

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

DIVISION OF MINERAL
RESOURCES MANAGEMENT
WELL PERMIT

API WELL NUMBER

34-067-2-1057-00-00

OWNER NAME, ADDRESS

OHIO BUCKEYE ENERGY LLC (Owner #: 8706)

P O BOX 18498

OKLAHOMA CITY

OK

73154

0496

DATE ISSUED

11/17/2010

PERMIT EXPIRES

11/16/2012

TELEPHONE NUMBER

(405) 935-4073

IS HEREBY GRANTED PERMISSION TO: Drill New Well

AND ABANDON WELL IF UNPRODUCTIVE

PURPOSE OF WELL: Oil & Gas

COMPLETION DATE IF PERMIT TO PLUG:

DESIGNATION AND LOCATION:

LEASE NAME NORTH AMERICAN COAL ROYALTY CO
WELL NUMBER BUELL #1
COUNTY HARRISON
CIVIL TOWNSHIP ARCHER
TRACT OR ALLOTMENT
SURFACE FOOTAGE LOCATION 1408'NL & 1795'WL OF NW QTR., SEC. 10
TARGET FOOTAGE LOCATION

SURFACE NAD27

TARGET NAD27

X: 2412032
Y: 252619
LAT: 40.3504438911251
LONG -81.013589030082

TYPE OF TOOLS: Air Rotary/Fluid Rotary

PROPOSED TOTAL DEPTH 8003 FEET
GROUND LEVEL ELEVATION 1317 FEET

GEOLOGICAL FORMATION(S):

TRENTON-BLACK RIVER

SPECIAL PERMIT CONDITIONS: Permit is subject to the attached terms and/or conditions
Hydrogen Sulfide Conditions
Permit Conditions for all wells drilled through the Knox Unconformity
Samples Requested, see attached letter

CONDITIONALLY APPROVED CASING PROGRAM (SUBJECT TO APPROVAL OF THE OIL AND GAS WELL INSPECTOR):

CONDUCTOR MINIMUM OF 13 3/8" CEMENTED TO SURFACE
9 5/8" APPROX. 1775' WITH CEMENT CIRCULATED TO SURFACE
7" APPROX. 9000'

This permit is NOT TRANSFERABLE. This permit, or an exact copy thereof, must be displayed in a conspicuous and easily accessible place at the well site before permitted activity commences and remain until the well is completed. Ample notification to inspector is necessary.

OIL AND GAS WELL INSPECTOR:

FARNSWORTH BRETT (330) 739-2345
JAY CHESLOCK - Supervisor (330) 284-7906
DISTRICT #: (330) 884-0616

FIRE AND EMERGENCY NUMBERS

FIRE: (740) 946-2211
MEDICAL SERVICE (740) 942-4631

INSPECTOR NOTIFICATION

The oil and gas inspector must be notified at least 24 hours prior to:

1. Commencement of site construction
2. Pit excavation and closure
3. Commencement of drilling, reopening, converting or plugback operations
4. Installation and cementing of oil casing strings
5. BOP testing
6. Well stimulation
7. Plugging operations

The oil and gas inspector must be notified immediately upon:

1. Discovery of defective well construction
2. Detection of any natural gas or H2S gas during drilling in urban areas
3. Discovery of defective well construction during well stimulation
4. Determination that a well is a lost hole
5. Determination that a well is a dry hole

John F. Husted

CHIEF, DIVISION OF MINERAL RESOURCES
MANAGEMENT

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

DIVISION OF MINERAL
RESOURCES MANAGEMENT
WELL PERMIT

API WELL NUMBER

34-067-2-1057-00-00

OHIO BUCKEYE ENERGY LLC
P O BOX 18188
OKLAHOMA CITY, OK 73154-0488

PLEASE NOTE: THESE STIPULATIONS MUST BE DISPLAYED WITH THE PERMIT IN A CONSPICUOUS PLACE AT THE WELL SITE IN ACCORDANCE WITH SECTION 1509.05 OF THE OHIO REVISED CODE.

HYDROGEN SULFIDE GAS PERMIT CONDITIONS

ALERT:

Hydrogen sulfide gas has been encountered in the "Big Lime" section in this township. Hydrogen sulfide can cause corrosion of the casing and tubing strings, deterioration of the surface equipment, contamination of fresh water resources and is a potential hazard to the health and safety of drilling crew workers, service company personnel, Division staff, and the local public. **In order to minimize the potential hazard, the following permit conditions must be followed if hydrogen sulfide gas is encountered in this well.**

If hydrogen sulfide gas is encountered in the "Big Lime" section and the well is being drilled on air, the rig shall convert to fluid drilling and shall remain on fluid until total depth. In addition, the volume of cement used in cementing the production string of casing in the well bore should be sufficient to provide a continuous sheath of cement to the top of the "Big Lime" section. If the specific gas bearing zone can be identified (i.e. Devonian Oriskany or Silurian Newburg), it is only necessary to cement the production casing in a method to ensure that it is contained. The Division's field inspector must be notified at least 6 hours prior to cementing this string of casing.

Due to the fact that hydrogen sulfide gas is not immediately detected during the drilling of the well, as a precautionary measure, the Division recommends that the production casing be cemented to the top of the "Big Lime" even when hydrogen sulfide gas has not been detected.

**PERMIT CONDITIONS FOR ALL WELLS
DRILLED THROUGH THE KNOX UNCONFORMITY**

Alert Owners should prepare to encounter large volumes of high-pressure natural gas when drilling through reservoirs below the Knox Unconformity. In accordance with Section 1501:9-9-02 of the Ohio Administrative Code, the owner, contractor and all persons in control of wells being drilled, shall use all reasonable means to safeguard against hazards to life, limb and property.

THESE STIPULATIONS MUST BE DISPLAYED WITH THE PERMIT IN A CONSPICUOUS PLACE AT THE WELL SITE IN ACCORDANCE WITH SECTION 1509.05 OF THE OHIO REVISED CODE.

1. Surface casing shall be set to a depth which is at least 10 percent (10%) of the total depth (TD) of the well or 50 feet through the deepest underground source of drinking water (USDW), whichever depth is greater. In addition, sufficient surface casing shall be set to allow the blowout preventer to contain any formation pressures that may be encountered before deeper casing is set. The surface casing shall be cemented with sufficient excess cement circulated to surface.
2. A blowout preventer (BOP), equipped with a choke manifold of sufficient size and pressure rating to control normal hydrostatic pressures for the deepest pool to be penetrated, must be installed on the surface casing. The BOP shall be chained to the rig substructure in a manner which minimizes any potential jarring or damage to the surface casing and/or collar threads.
3. A BOP test shall be conducted before drilling resumes below the surface casing. The test shall require a minimum pressure of 250 PSI for at least fifteen minutes. It is recommended that the BOP be tested at 500 PSI or the maximum anticipated surface pressure for the deepest pool to be penetrated. The owner shall provide a minimum of 8 hours advance notice to the appropriate Division inspector, so that the inspector may be present to witness the BOP test. The inspector may authorize the test to proceed in his/her absence. If the inspector is not present at the scheduled time, the owner can conduct the BOP test.
4. For air rotary operations, a rotating air-head in good working condition must be installed on the surface casing. Stripper rubbers should be inspected and replaced, if necessary, prior to drilling into formations where natural gas is anticipated.
5. For air rotary operations, a staked and chained steel blow (discharge) line must be vented not less than 80 feet from the well into a pit. For fluid rotary operations, a staked and chained blow line, at least 40 feet long, should be directed into a pit. Whether, drilling on air or fluid, the blow line shall be directed away from all inhabited structures and traveled roads that could be affected if high-pressure natural gas is encountered. All line fittings must be of high-pressure grade. The owner shall also install a kill line(s) for control of gas and/or oil shows.
6. To control high-pressured gas and/or oil that may be encountered below the Knox Unconformity, the operator may drill on a fluid system or maintain a smudge from a depth of 400 feet above the expected top of the producing formation to total depth. When a smudge is maintained, the local fire department should be notified of the potential controlled flare prior to drilling into the producing formation. When a fluid system is used the density of the fluid shall be sufficient to control all gas and/or oil shows encountered.
7. The owner shall maintain a sufficient supply of brine and/or mud at the well site for possible well control emergencies.
8. **THE DIVISION OF MINERAL RESOURCES MANAGEMENT MUST GRANT PRIOR APPROVAL BEFORE ANY MODIFICATION OF THESE CONDITIONS.**

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES

Under the authority of, and in accordance with Section 1509.10 of the Ohio Revised Code, the Division of Geological Survey hereby requests a set of drill cuttings and/or core (s) from the following well:

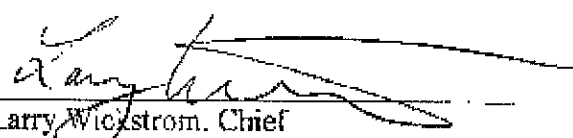
Operator Ohio Buckeye Energy LLC Permit No. 2-1057
Lease Name North American Coal Well No. Buell #1
Located in 1403'NL & 1795'NL OF NW QTR., SEC. 10
Of Archer Township Harrison County.

Drill cuttings are to be collected every 10 feet, or as specified otherwise, from the following intervals:

Queenston to T.D. every 10 feet

These cuttings are to be made available to the Survey and can be delivered in person or shipped to the Ohio Division of Geological Survey, 2045 Morse Road, Building C-1, Columbus, Ohio 43229-6693 or the Ohio Division of Geological Survey, 3307 South Old State Road, Delaware, Ohio 43015-9454. If you cannot deliver the cuttings, please notify Greg Schumacher at (740) 548-7348, Extension 25, Monday through Friday 8:00 AM-5:00 PM, as soon as possible after the drilling has been completed, so that arrangements can then be made to pick up the cuttings at the well site.

Delivery of the cuttings or notification of availability is the responsibility of the operator of the well.



Larry Wickstrom, Chief
ODNR-The Division of Geological Survey

11/17/2010

Date

DAILY ROUTE SLIP *Archer*

APPLICATION NO. aPATT019056 TYPE: Drill New Well

CONAME OHIO BUCKEYE ENERGY LLC API

WELL NAME /NO. NORTH AMERICAN COAL RO BUELL #1

COUNTY 67 HARRISON

INITIALS

DATE

DATE APPLICATION REC'D

DN

11/3/2010

PERMIT FEE AND CHECK NO.

\$500.00

139724

RUSH AMOUNT RUSH CHECK NO.

\$0.00

0

APPLICATION ENTERED

DN

11/3/2010

APPLICATIONS AND PLATS SENT
FOR MINE APPROVAL

COAL APPROVAL RECEIVED

S.

11/4

OIL/GAS AFFIDAVIT REC'D

URBANIZED AREA NOTIFICATION SENT

URBANIZED AREA NOTIFICATION
SENT TO INSPECTOR/REC'D BACK

URBAN MAP REVIEW

SAMPLES: YES _____ /SPECIAL AREAS

GEOLOGIST APPROVAL

MYW

11/16/2010

DATA ENTRY /ISSUED

DN

11/17/2010

PERMIT: TAKEN _____ MAILED ☒

DN

11/18/2010

FAX TO: _____

FINAL MAP CHECK

COMMENTS: Send Knox Unconformity Conditions

Send Hydrogen Sulfide Conditions

Send sample request letter. Question to TD

Proof Sheet

APPL NUMBER	APATT019056	URBANIZED AREA ?	
OWNER NUMBER	8705	NAME	
OWNER NAME	OHIO BUCKEYE ENERGY LLC		
EXISTING WELL	0		
API PERMIT NO		DISPOSAL PLAN 1	ND
APPL TYPE	NW	DISPOSAL PLAN 2	
TYPE OF WELL	OG	DISPOSAL PLAN 3	
VARIANCE REQUEST		DISPOSAL PLAN 4	
WELL NAME	NORTH AMERICAN COA	DISPOSAL PLAN 5	
WELL NUMBER	BUTELL #1	MP Check #	0
PREV/PROPOSED TD	9003		
DRILL UNIT ACRES	40		
TYPE OF TOOL	RTAP	PROPOSED FORMATIONS	
WELL CLASS	INTERAT	TRENTON-BLACK RIVER	
FIRE PHONE	(740) 946-2211		
MEDICAL PHONE	(740) 942-4631		
COUNTY CODE	67		
COUNTY NAME	HARRISON		
COAL (Y=1/N=0)	-1		
CIVIL TOWNSHIP	ARCHER	TARG CIVIL TWP	
SURF QUAD	DEWEET	TARG QUAD	
Nad 27 SURF ORIG X	2,412,632	Nad 27 TARG ORIG X	
Nad 27 SURF ORIG Y	252,619	Nad 27 TARG ORIG Y	
GROUND ELEVATION	1317	TARG ELEV	0
SURF SEC	10	TARG SECTION	
SURF LOT		TARG LOT	
SURF QTR TWP		TARG QTR TWP	
SURF ALLOT		TARG ALLOT	
SURF TRACT		TARG TRACT	
SURF FRACTION		TARG FRACTION	

Proof Sheet

SURFACE FOOTAGE

TARGET FOOTAGE

1103' NL & 1745' WL of NW QTR
Section 10

CASING PROGRAM

SPECIAL CONDITIONS/COMMENTS

63	12 7/8	300
09	4 9/8	1775
38	7	4000

- PER

KAX-1

HS

SR

COMPLETION DT

MINES APPROVAL

AFFIDAVIT APPROV

FINAL ENTRY DATE

11/08/2010

APPLICATION FOR A PERMIT (Form 1)
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road Building H-3
COLUMBUS, OHIO 43229-6893
(614) 265-6633

#1394724

\$500⁰²

API# 19056

SEE INSTRUCTIONS ON PAGE 2 (BACK)

1. We (applicant) (address) hereby apply this date		Ohio Buckeye Energy LLC P.O. Box 18496 OKC, OK 73154-0496 1-Nov 2010		2. Owner #: 8/CB Phone #: (405) 935-4073	
☐ Re-issue (check appropriate blank) ☒ Drill New Well ☐ Drill Directionally ☐ Drill Horizontally		☐ Revised Location ☐ Plug Back ☐ Plug and Abandon ☐ Orphan Well Program		☐ Convert ☐ Deepen ☐ Reopen ☐ Temporary Inactive	
3. TYPE OF WELL:		☐ Oil & Gas ☒ Stratigraphic Test ☐ Solution Mining* ☐ Input/Injection			
		☐ Annular Disposal ☐ Gas Storage ☐ Enhanced Recovery* ☐ Water Supply			
		☐ Saltwater Injection ☐ Other (explain): (* If checked, select appropriate box below) ☐ Observation ☐ Production/Extraction			
4. MAIL PERMIT TO: Ohio Buckeye Energy LLC (Same as Above)		20. TYPE OF TOWERS: ☐ Cable ☐ Cable / Air Rotary ☐ Cable / Fluid Rotary ☐ Cable / Air / Fluid Rotary			
5. COUNTY: Harrison		☐ Air Rotary ☒ Air / Fluid Rotary ☐ Fluid Rotary ☐ Service Rig			
6. CIVIL TOWNSHIP: Archer T11N R5W		21. PROPOSED CASING PROGRAM:			
7. SECTION: 10 8 LOT NA		13 3/8", S4.5#/ft, J-55 0 to 300 ft., 9 5/8", 40#/ft, J-55, 0 to 1775 ft			
9. FRACTION: NA 0. QTR TWP: NA		7", 25#/ft, P-110, 0 to 9003 ft.			
11. TRACT / ALLOT: NA		22. FIRE AND MEDICAL DEPARTMENT TELEPHONE NUMBERS: (closest to well site)			
12. WELL #: Kenneth J. Buell #1		Fire: JewettVolFireDept(740)946-2211			
13. LEASE NAME: North American Coal Royalty Co.		Medical: HarrisonComHosp(740)942-4631			
14. PROPOSED TOTAL DEPTH: 9003		23. MEANS OF INGRESS & EGRESS:			
15. PROPOSED GEOLOGICAL FORMATION: Trenton-Black River Formation		Township Road: County Road: CR-17 (Hanover Ridge Road) Municipal Road: State Highway:			
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): 40		24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.01(Y)? ☐ Yes ☒ No			
17. IF PERMITTED PREVIOUSLY:		19. LANDOWNER ROYALTY INTEREST			
API #: NA		Is There An Attached List? Yes ☐ No ☒			
OWNER: NA		Name: North American Coal Royalty Company (Minerals owner as indicated on plat)			
WELL #: NA		Address: 14785 Preston Road, Suite 1100, Dallas, Texas 75254			
LEASE NAME: NA		Name: NA			
TOTAL DEPTH: NA		Address: NA			
GEOLOGICAL FORMATION: NA		Name: NA			
18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES		Address: NA			
Division Name: NA		Name: NA			
Division Phone: NA		Address: NA			

RECEIVED

NOV 4 3 2010

DIVISION OF MINERAL
RESOURCES MANAGEMENT

I, the undersigned, being first duly sworn, depose and state under penalties of law that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct, and credible to the best of my knowledge.

The undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and to drill into and produce from a well and to appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I, the undersigned, being duly sworn, depose and state at this time that I am not able for any final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 567.12 of the Ohio Revised Code (ORC). I, the undersigned, further depose and state that all not fees required by § 509.06 (A) (ii) ORC for this application have been duly provided by me. If applying for a permit to plug and abandon a well, I hereby certify that the written notice as required in Section 1509.15, ORC, has been given.

I that I hereby agree to conform with all provisions of Chapter 1509, ORC, and Chapter 1501, OAC, and all orders and conditions issued by the Chief Division of Mineral Resources Management.

Signature of Owner/Authorized Agent: [Signature]

Name (Type or Print): Ta Chen Title: Manager Regulatory - Eastern Division

If signed by Authorized Agent, a certificate of appointment of agent must be on file.

Sworn to and subscribed before me this the 1st day of November, 2010.

[Signature]
(Notary Public)

8-20-2013

(Date Commission Expires)



W. Tal Oden
Manager - Regulatory, Eastern Division

November 2, 2010

Mr. Steve Opritza
Ohio Department of Natural Resources
Div. Of Mineral Resources Management
2045 Morse Road, H-3
Columbus, OH 43229-6693

Re: Kenneth J. Buell 1 – Application for a Permit

Dear Mr. Opritza:

Ohio Buckeye Energy, L.L.C. submits the enclosed *Application for a Permit* for its proposed Kenneth J. Buell 1 well located in Harrison County, Ohio.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Chesapeake Appalachia, L.L.C.

A handwritten signature in blue ink, appearing to read "W. Tal Oden".

Tal Oden

Enclosures

RECEIVED
NOV 08 2010
DIVISION OF MINERAL
RESOURCES MANAGEMENT

Operator: Chic Buckeye Energy, LLC

Well Name and #: Kenneth Buell #1
County: Harrison
Township: Archer
Section or Lot: 10

Coal Owner Waiver Affidavit

The undersigned owner of all of the coal under this well location has examined this proposed well location and has no objection to the work proposed to be done at this location provided the well operator has complied with all applicable requirements of the Ohio Code. In addition, the undersigned owner has no objection to the applicant drilling another well within 50 feet of the proposed location if necessary due to difficulty drilling this well.

Company Name: North American Coal Royalty Company

Signed By: James F. Melchior

Title President

Signature: James F. Melchior

Date: November 8, 2010

NORTH AMERICAN
COAL
CORPORATION
ROYALTY COMPANY

October 25, 2010

Mr. Rick Neidermeyer
Senior Landman – Coal Relations
Chesapeake Appalachia, LLC
179 Chesapeake Drive
Jane Lew, WV 26378

Dear Mr. Neidermeyer:

As requested in your October 18, 2010 e-mail, enclosed are both originals of the Coal Waiver Affidavits for the Kenneth Buell-HN-1 and Jewett Sportsman Club-HN-2 wells.

Please contact me if you have any questions.

Sincerely,

NORTH AMERICAN COAL ROYALTY COMPANY

Rachel Mouson

for James F. Melchior
President

JFM/rm
Encs.
cc: S. Hill
File: OH822

RECEIVED

NOV 3 3 2010

DIVISION OF MINERAL
RESOURCES MANAGEMENT

Coal Waiver Affidavit

Operator: Chesapeake Appalachia, LLC

Operator's Well # Kenneth Buell-HN-1

Well #: 034 067

State County Permit

Coal Owner Waiver

Instructions to Coal Owner

To the coal owner named below. You are hereby notified that any objection you wish to make or are required to make by Code 1509, must be filed with the Chief of the Division of Mineral Resources Management within ten (10) days after the receipt of this application by the Office of Oil and Gas.

The undersigned coal owner of the coal under this well location has been examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided; the well operator has complied with all applicable requirements of the Ohio Code and the governing regulations. In addition, I have no objection to the applicant drilling another well within 50 feet of the proposed location if necessary due to difficulty drilling this well.

Company Name: North American Coal Royalty Company

Signed By: James F. Melchior

Its: President

Signature: James F. Melchior

Date: October 21, 2010

RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Mineral Resources Management, 2045 Morse Road, Bldg. F-3, Columbus OH 43229-6893

1. DATE OF APPLICATION:		3. API #: N/A	
2. OWNER NAME, ADDRESS, & TELEPHONE NO.: Ohio Buckeye Energy LLC, P.O. Box 18498, OKC, OK 73154		4. WELL #: 1	
		5. LEASE NAME: North American Coal Royalty Company	
		6. PROPERTY OWNER: Kenneth J. Buell	
		7. COUNTY: Harrison	
		8. CIVIL TOWNSHIP: Archer T1 N R5W	
		9. SECTION: 10 10. LOT: NA	
11. CURRENT LAND USE: ☐ Cropland ☐ Commercial ☐ Pasture ☒ Idle Land ☐ Wetlands ☐ Recreational ☐ Residential ☐ Industrial ☐ Unreclaimed strip mine ☐ Woodland: ☐ Broadleaf ☐ Needle like		17. TYPE OF WELL: ☐ Oil ☒ Gas ☐ Other	
12. SLOPE GRADIENT & LENGTH DETERMINED FROM: ☐ Ground Measurement ☐ U.S. Geological Survey Topographical Maps ☒ Other: (explain) Aerial Topo Map		18. STEEPEST SLOPE GRADIENT CROSSING SITE: ☐ 0 to 2% ☒ 2.1 to 8% ☐ 8.1 to 10% ☐ greater than 24% ☐ 10.1 to 24%	
13. TYPE OF FALL VEGETAL COVER: ☐ Little or no vegeta. cover ☐ Short grasses ☒ Tall weeds or short brush (1 to 2 ft.) ☒ Brush or bushes (2 to 6 ft.) ☐ Agricultural crops ☐ Trees with sparse low brush ☐ Trees with dense low brush		19. LENGTH OF STEEPEST SLOPE CROSSING SITE: ☐ 1 to 100 ft. ☒ 101 to 200 ft. ☐ 201 to 400 ft. ☐ greater than 400 ft.	
14. SOIL & RESOILING MATERIAL AT WELLSITE: ☒ Stockpile and protect topsoil to be used when preparing seedbed ☐ Use of soil additives (e.g., lime, fertilizer) ☐ No resoling planned ☐ Proposed alternative		20. RESTORATION OF DRILLING PITS: ** ☐ Haul drilling fluids and fill pits ☐ Use steel circulating tanks ☒ Proposed alternative No pits, cld vol mud sys	
15. DISPOSAL PLAN FOR TREES AND TREE STUMPS: ☐ No trees disturbed ☐ Haul to landfill ☒ Cut into firewood ☐ Sell to lumber company ☐ Bury with landowner's approval ☒ Mulch small trees and branches, erosion control ☐ Use for wildlife habitat with landowner approval ☒ Proposed alternative cut pile along acc. Road		21. BACKFILLING AND GRADING AT SITE: ☒ Construct diversions channeled to naturally established drainage systems ☐ Construct terraces across slopes ☐ Grade to approximate original contour ☒ Grade to minimize erosion & control offsite runoff ☐ Proposed alternative	
16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES: ☒ No existing drainage facilities for removal of surface and/or subsurface water ☐ Tile drainage system underlying land to be disturbed ☐ Drain pipe(s) underlying land to be disturbed ☐ Surface drainage facilities on land to be disturbed		22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE: ☒ Seeding plan ☐ Sod ☐ Agricultural crops ☐ Trees and/or Bushes ☐ Proposed alternative	
		23. ADDITIONAL NOTES: ☒ Rat/Mouse, if used, will be plugged	
		24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD: ☐ 100 ft. or less ☐ 101 to 500 ft. ☒ 501 to 1500 ft. ☐ greater than 1500 ft.	
		25. CURRENT LAND USE OF PATH OF ACCESS ROAD: ☐ Cropland ☐ Pasture ☐ Commercial ☒ Idle and ☐ Wetlands ☐ Recreational ☐ Industrial ☐ Residential ☐ Unreclaimed strip mine ☐ Woodland ☐ Broadleaf ☐ Needle like	

*PITS MUST BE FILLED WITHIN TWO MONTHS AFTER COMMENCEMENT OF THE WELL AND WITHIN FOURTEEN DAYS AFTER COMMENCEMENT OF THE WELL IN AN URBANIZED AREA.

REQUIRED BY SECTION 1509.06 (A)(10), OHIO REVISED CODE -- FAILURE TO SUBMIT MAY RESULT IN AN ASSESSMENT OF CRIMINAL FINES NOT LESS THAN \$100.00 NOR MORE THAN \$2,000.00 OR CIVIL PENALTIES NOT LESS THAN \$4,000.00.

26. SURFACING MATERIAL FOR ACCESS ROAD ☒ Gravel ☐ Brick and/or tile waste ☐ Slag ☒ Crushed stone ☐ No surfacing material to be used ☐ Proposed alternative _____	29. STEEPEST SLOPE GRADIENT ON ACCESS ROAD: ☐ 0 to 5% ☒ 6 to 10% ☐ greater than 10%
27. PATH OF ACCESS ROAD TO BE DETERMINED BY: ☐ Landowner ☐ Contractor ☒ Existing access road ☐ Operator	30. APPROXIMATE LENGTH OF STEEPEST SLOPE ON ROAD ☐ 0 to 100 ft. ☐ 101 to 200 ft. ☒ 201 to 400 ft. ☐ greater than 400 ft.
28. GRADING AND EROSION CONTROL PRACTICE ON ROAD: ☒ Diversions ☐ Filter strips ☐ Grains ☐ Riprap ☐ Open top culverts ☐ Water breaks ☒ Outcropping of road ☐ Pipe culverts ☐ Proposed alternative _____	31. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? ☒ Yes ☐ No

The undersigned hereby agrees to implement all restoration operations identified on this form, and conform to all provisions of Section 1509.072 of the Ohio Revised Code, and to all Orders and rules issued by the Chief, Division of Mineral Resources Management.

Signature of Owner/Authorized Agent 

Name (Typed or Printed): Tal Oden, Mgr. Regulatory Eastern Division Date 29-Oct-10

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

DIVISION OF MINERAL
RESOURCES MANAGEMENT
WELL PERMIT

API WELL NUMBER

34-087-2-1057-01-00

OWNER NAME, ADDRESS

OHIO BUCKEYE ENERGY LLC (Owner #: 8706)
P O BOX 18496
OKLAHOMA CITY

OK 73154 0496

DATE ISSUED

12/23/2010

PERMIT EXPIRES

12/22/2012

TELEPHONE NUMBER

(405) 935-4073

IS HEREBY GRANTED PERMISSION TO: Plug back to horizontally drill

PURPOSE OF WELL: Oil & Gas

COMPLETION DATE IF PERMIT TO PLUG:

AND ABANDON WELL IF UNPRODUCTIVE

DESIGNATION AND LOCATION:

LEASE NAME NORTH AMERICAN COAL ROYALTY CO
WELL NUMBER BUELL #5H
COUNTY HARRISON
CIVIL TOWNSHIP ARCHER
TRACT OR ALLOTMENT
SURFACE FOOTAGE LOCATION 1427'NL & 1786'WL OF SEC. 10
TARGET FOOTAGE LOCATION 2047'NL & 10'EL OF SEC. 9

SURFACE NAD27

X: 2412632

Y: 252619

LAT. 40.3504488911251

LONG -81.015589030062

TARGET NAD27

2415130

246552

40.3336541855098

-81.0073999198734

TYPE OF TOOLS: Air Rotary/Fluid Rotary

PROPOSED TOTAL DEPTH

8411 FEET

GROUND LEVEL ELEVATION

1318 FEET

GEOLOGICAL FORMATION(S):

UTICA

SPECIAL PERMIT CONDITIONS: Permit is subject to the attached terms and/or conditions
Horizontal Drilling Well Permit Conditions.

CONDITIONALLY APPROVED CASING PROGRAM (SUBJECT TO APPROVAL OF THE OIL AND GAS WELL INSPECTOR):

CASING IN HOLE:

13 3/8" - 3113'

9 5/8" - 1830'

5 1/2" PRODUCTION CASING CEMENTED IF PRODUCTIVE

"BLOW OUT PREVENTOR REQUIRED" HAZARDOUS CONDITIONS MAY BE ENCOUNTERED

ALL DUE PRECAUTIONS SHOULD BE TAKEN

This permit is NOT TRANSFERABLE. This permit or an exact copy thereof must be displayed in a conspicuous and easily accessible place at the well site before permitted activity commences and remain until the well is completed. Ample notification to inspector is necessary.

OIL AND GAS WELL INSPECTOR:

FARNSWORTH BRETT (330) 738-2345
JAY CHESLOCK - Supervisor (330) 284-7936
DISTRICT # (330) 886-0618

FIRE AND EMERGENCY NUMBERS

FIRE: (740) 946-2211

MEDICAL SERVICE (740) 942-4531

INSPECTOR NOTIFICATION

The oil and gas inspector must be notified at least 24 hours prior to

1. Commencement of site construction
2. Pit excavation and closure
3. Commencement of drilling, reworking, converting or plugback operations
4. Installation and cementing of all casing strings
5. BQP testing
6. Well stimulation
7. Plugging operations

The oil and gas inspector must be notified immediately upon:

1. Discovery of defective well construction
2. Detection of any natural gas or H2S gas during drilling in urban areas
3. Discovery of defective well construction during well stimulation
4. Determination that a well is a lost hole
5. Determination that a well is a dry hole

John F. Husted

CHIEF, DIVISION OF MINERAL RESOURCES
MANAGEMENT

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

DIVISION OF MINERAL
RESOURCES MANAGEMENT
WELL PERMIT

API WELL NUMBER

34-067-2-1057-01-00

OHIO BUCKEYE ENERGY LLC
P O BOX 19496
OKLAHOMA CITY, OK 73154-0496

HORIZONTAL DRILLING PERMIT CONDITIONS

Within thirty (30) days of completion of drilling operations, the following items **must** be submitted to the Division of Mineral Resources Management:

- A copy of the bore hole deviation survey
- A revised surveyor's plat showing:
 1. Surface Location;
 2. Actual entry into the target formation;
 3. Actual ending point of the bore hole in the target formation;
 4. X, Y coordinates of the above three points.
- A fifty-dollar (\$ 50.00) fee for the revised surveyor's plat.

AUTHORIZATION FOR EXPEDITING AN APPLICATION

NAME OF OWNER: Ohio Buckeye Energy LLC
Application # aPATT019213

DATE: December 22, 2010 **TELEPHONE:** (405) 935-4073

COUNTY: Harrison **TOWNSHIP:** Archer

LOCATION: Sec. 10

LEASE NAME: North American Coal Royalty (K. Buell) # 8H
Permit # 2-1057-01

CALLED REGIONAL OFFICE: e-mailed Brett Farnsworth on 12/22/2010

CALLED COUNTY ENGINEER: mailed notice on 12/22/2010

COMMENTS: _____

PROPOSED DATE: 12/23/2010 **FAX NO.** (405) 849-4073

REGIONAL SUPERVISOR: _____
(NAME)

WAS NOTIFIED BY: _____
(NAME)

AT: _____ **ON** _____
(TIME) (DATE)

DAILY ROUTE SLIP Archer

APPLICATION NO. aPATT019213 TYPE: Plug back to horizontally d
 CONAME **OHIO BUCKEYE ENERGY LLC** API **34067210570100**
 WELL NAME/NO. **NORTH AMERICAN COAL RO** BUELL #8

COUNTY **67 HARRISON** INITIALS DATE

DATE APPLICATION REC'D pn 12/22/2010

PERMIT FEE AND CHECK NO. \$500.00 1418638

RUSH AMOUNT RUSH CHECK NO. \$250.00 1418637

APPLICATION ENTERED pn 12/22/10

APPLICATIONS AND PLATS SENT FOR MINE APPROVAL — —

COAL APPROVAL RECEIVED — —

OIL/GAS AFFIDAVIT REC'D — —

URBANIZED AREA NOTIFICATION SENT — —

URBANIZED AREA NOTIFICATION SENT TO INSPECTOR/REC'D BACK — —

URBAN MAP REVIEW — —

SAMPLES: YES —/SPECIAL AREAS — —

GEOLOGIST APPROVAL Se 12/23

DATA ENTRY /ISSUED pn 12/23/2010

PERMIT: TAKEN — MAILED ✓ pn 12/23/2010

FAX TO: —

FINAL MAP CHECK Se 12/23

COMMENTS: Main Horizontal Drilling Conditions
BOP Required

Proof Sheet

APPL NUMBER	API 1019213	URBANIZED AREA ?	☐
OWNER NUMBER	8705	NAME	
OWNER NAME	OHIO DUCKEYE ENERGY LLC		
EXISTING WELL	-1		
API PERMIT NO	54067210570100	DISPOSAL PLAN 1	ND
APPL TYPE	PHEX	DISPOSAL PLAN 2	
TYPE OF WELL	OG	DISPOSAL PLAN 3	
VARIANCE REQUEST		DISPOSAL PLAN 4	
WELL NAME	NORTH AMERICAN COA	DISPOSAL PLAN 5	
WELL NUMBER	BUELL #8H	MP Check #	0
PREV/PROPOSED TD	8411		
DRILL UNIT ACRES	177.4		
TYPE OF TOOL	RTAP	PROPOSED FORMATIONS	
WELL CLASS	6, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	UTICA	
FIRE PHONE	(740) 946-2211		
MEDICAL PHONE	(740) 942-4631		
COUNTY CODE	67		
COUNTY NAME	HARRISON		
COAL (Y=1/N=0)	-1		
CIVIL TOWNSHIP	ARCHER	TARG CIVIL TWP	ARCHER
SURF QUAD	11 WETT	TARG QUAD	DEWETT
Nad 27 SURF ORIG X	2,412,632	Nad 27 TARG ORIG X	2,416,130
Nad 27 SURF ORIG Y	252,619	Nad 27 TARG ORIG Y	246,552
GROUND ELEVATION	1318	TARG ELEV	1166
SURF SEC	10	TARG SECTION	9
SURF LOT		TARG LOT	
SURF QTR TWP		TARG QTR TWP	
SURF ALLOT		TARG ALLOT	
SURF TRACT		TARG TRACT	
SURF FRACTION		TARG FRACTION	

Proof Sheet

SURFACE FOOTAGE

1427'NL. & 1786'WL. OF SEC. 10

TARGET FOOTAGE

2047'NL. & 13'WL. OF SEC 9

CASING PROGRAM

23		
24	13 7/8	215
24	9 5/8	1230
19	5 1/2	
26		
27		

SPECIAL CONDITIONS/COMMENTS

	13R
	11D

COMPLETION DT

MINES APPROVAL

12/22/2010

AFFIDAVIT APPROV

FINAL ENTRY DATE



W. Tal Oden
Manager - Regulatory, Eastern Division

December 21, 2010

Mr. Steve Opritza
Ohio Department of Natural Resources
Div. Of Mineral Resources Management
2045 Morse Road, H-3
Columbus, OH 43229-6693

Re: Kenneth J Buell 8H – API 34-067-2-1057-00-00
Revised Plug Back to produce Permit Application for Drilling a Well

Dear Mr. Opritza:

Ohio Buckeye Energy, L. L. C. submits the enclosed *Revised Application for a Permit to plug back and produce* for its proposed Kenneth J Buell 8H well located in Harrison County, Ohio.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Chesapeake Appalachia, L.L.C.

A handwritten signature in black ink, appearing to read "Tal Oden".

Tal Oden

Enclosures

RECEIVED

DEC 21 2010

DIVISION OF MINERAL
RESOURCES MANAGEMENT



W. Tal Oden
Manager - Regulatory, Eastern Division

December 14, 2010

Mr. Steve Opritza
Ohio Department of Natural Resources
Div. Of Mineral Resources Management
2045 Morse Road, H-3
Columbus, OH 43229-6693

Re: Kenneth J Buell 8H - API 34-067-2-1057-00-00
Plug Back to produce Permit Application for Drilling a Well

Dear Mr. Opritza:

Chesapeake Appalachia, L.L.C. submits the enclosed *Application for a Permit* to plug back and produce for its proposed Kenneth J Buell 8H well located in Mahoning County, Ohio.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Chesapeake Appalachia, L.L.C.

A handwritten signature in cursive script, appearing to read "Tal Oden".

Tal Oden

DEC 17 2010

Enclosures

Hand for revised plat - 5 12/17

Chesapeake Energy Corporation

P.O. Box 28496 • Oklahoma City, OK 73154-0496 • 6100 N. Western Avenue • Oklahoma City, OK 73118
405.933.4073 • fax 405.849.4073 • cell 405.443.5913 • tal.oden@che.com

APPLICATION FOR A PERMIT (Form 1)
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road, Building H-3
COLUMBUS, OHIO 43229-6693
(614) 265-8633

#1418637/1418638
250⁰⁰ 500⁰⁰

SEE INSTRUCTIONS ON PAGE 2 (BACK)

C.P. # 19213

1. I, We (applicant) (address) <u>Ohio Buckeye Energy LLC</u> hereby apply this date <u>13-Dec</u> , 20 <u>10</u> for a permit to:		2. Owner #: <u>8705</u> Phone #: <u>(405) 935-4073</u>	
☒ Reissue (check appropriate blank) ☐ Drill New Well ☐ Drill Directionally ☒ Drill Horizontally		☐ Revised Location ☒ Plug Back ☐ Plug and Abandon ☐ Orphan Well Program	
☐ Convert ☐ Deepen ☐ Reopen ☐ Temporary Inactive			
3. TYPE OF WELL: ☒ Oil & Gas ☐ Stratigraphic Test ☐ Annular Disposal ☐ Gas Storage ☐ Saltwater Injection ☐ Other (explain): ☐ Solution Mining* ☐ Enhanced Recovery* (* if checked, select appropriate box below) ☐ Input/Injection ☐ Water Supply ☐ Observation ☒ Production/Extraction			
4. MAIL PERMIT TO: <u>Ohio Buckeye Energy LLC (Same as Above)</u>		20. TYPE OF TOOLS: ☐ Cable ☐ Air Rotary ☐ Cable / Air Rotary ☒ Air / Fluid Rotary ☐ Cable / Fluid Rotary ☐ Fluid Rotary ☐ Cable / Air / Fluid Rotary ☐ Service Rig	
5. COUNTY: <u>Harrison</u>		21. PROPOSED CASING PROGRAM:	
6. CIVIL TOWNSHIP: <u>Archer T11N R6W</u>		13 3/8" . 54.6#/ft, J-55 0 to 300 ft., 9 5/8", 40#/ft, J-65, 0 to 1775 ft., 5 1/2", 20#/ft., P-113, 0 to 15,170 ft.	
7. SECTION: <u>10</u> 8. LOT: <u>NA</u>			
9. FRACTION: <u>NA</u> 10. QTR. WP: <u>NA</u>			
11. TRACT / ALLOT: <u>NA</u>			
12. WELL #: <u>Kenneth J. Buell # 8H</u>			
13. LEASE NAME: <u>North American Coal Royalty Co.</u>			
14. PROPOSED TOTAL DEPTH: <u>8,411 (TVD), 15,170 (MD)</u>			
15. PROPOSED GEOLOGICAL FORMATION: <u>Utica</u>		22. FIRE AND MEDICAL DEPARTMENT TELEPHONE NUMBERS: (closest to well site) Fire: <u>JewettVolFireDept(740)946-2211</u> Medical: <u>HarrisonComHosp(740)942-4831</u>	
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): <u>177.4 acres</u>		23. MEANS OF INGRESS & EGRESS: Township Road: _____ County Road: <u>CR-17 (Hanover Ridge Road)</u> Municipal Road: _____ State Highway: _____	
17. IF PERMITTED PREVIOUSLY: API #: <u>34-0570-21057-00-00</u> OWNER: <u>Ohio Buckeye Energy LLC</u> WELL #: <u>1</u> LEASE NAME: <u>North American Coal Royalty Co.</u> TOTAL DEPTH: <u>8003</u> GEOLOGICAL FORMATION: <u>Trenton-Black River</u>		24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.01(Y)? ☐ Yes ☒ No	
18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES Division Name: <u>NA</u> Division Phone: <u>NA</u>			
19. LANDOWNER ROYALTY INTEREST: Is There An Attached List? ☐ Yes ☒ No Name: <u>North American Coal Royalty Company (Minerals owner as indicated on Survey Plat)</u> Address: <u>14785 Preston Road, Suite 1100, Dallas, Texas 75254</u> Name: <u>NA</u> Address: <u>NA</u> Name: <u>NA</u> Address: <u>NA</u>			

RECEIVED

DEC 22 2010

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, and that the facts stated herein are true, correct, and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and produce from a well and appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I, the undersigned, being duly sworn, depose and state at this time that I am not liable for any final nonappealable order of a court for damages to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code (ORC). I, the undersigned, further depose and state that all notices required by 1509.05 (A) (8) ORC for this application have been duly provided by me. If applying for a permit to plug and abandon a well, I hereby certify that the written notices, as required in Section 1509.13, ORC, have been given.

That I hereby agree to conform with all provisions of Chapter 1505, ORC, and Chapter 1501, OAC, and all orders and conditions issued by the Chief, Division of Mineral Resources Management.

Signature of Owner/Authorized Agent: [Signature]

Name (Type or Print):

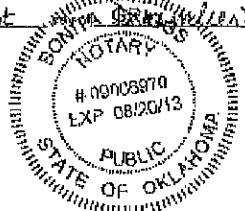
Title:

Title:

Regulatory Manager - Eastern Division

If signed by Authorized Agent, a certificate of appointment of agent must be on file.

Sworn to and subscribed before me this 21st day of December, 20 10.



[Signature]
(Notary Public)

8/21/2013

(Date Commission Expires)

**There is an Oversize
Map or Maps for
this Permit.**

**Images are available
for viewing at**

M:Drive/OIL&Gas/OverSizedImages

ROUTE SLIP FOR CORRECTION/CHANGE OF EXISTING PERMITS

COUNTY: HARRISON TOWNSHIP: ARCHER PERMIT # 1057
PERSON RECEIVING REQUEST OPRITZA DATE 12/21/2010
OWNER: OHIO BUCKEYE ENERGY LLC
LEASE NAME: NORTH AMERICAN WAL WELL NO: 1

CHANGES:

_____ change in acreage/drill unit and/or _____ As Drilled Plat for Directional Drill
_____ Unit Configuration only
(new plat submitted: yes _____ no _____)
(fee required: yes _____ no _____)
(check no: _____)
_____ change in type of tool _____ ☒ correction in footage
description (____ surface ____ target)
_____ change in formation/total depth
_____ change in lease name/well number _____ correction to X,Y coordinates
_____ change in casing program (____ surface ____ target)
_____ other (specify) _____

CORRECTION SHOULD READ:

1427' NL & 1786' WL of SEC 10

CHANGES AUTHORIZED BY: (Geologist) SO Date: 12/21

HAS MINES BEEN NOTIFIED OF CHANGE (where applicable) Yes _____ No _____ BY _____

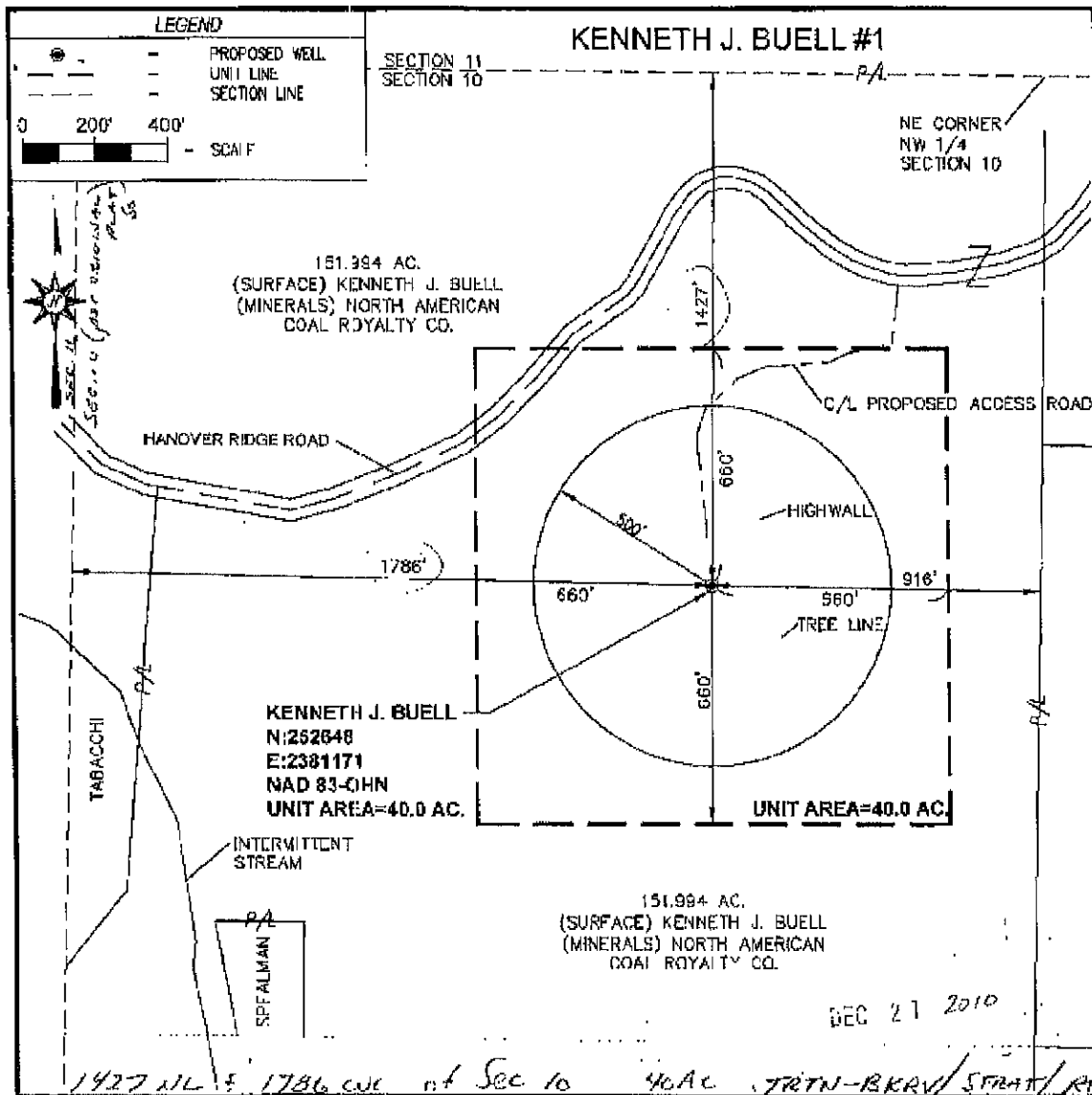
DATA ENTERED INTO COMPUTER/ISSUED BY: PN DATE: 12/21/10

REISSUE PERMIT: YES _____ NO ☒ ADD CORRECTION TO PERMIT LIST ☒ YES _____ NO

DATE CORRECTION NEEDED: _____ TO BE MAILED: _____ TO BE FAXED: _____

FAX NUMBER: _____

COMMENTS: _____



SURVEY PLAT SHOWING PROPOSED WELL

STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINERAL RESOURCE MANAGEMENT, COLUMBUS, OHIO

OPERATOR: OHIO BUCKEYE ENERGY LLC ADDRESS: P.O. BOX 18496 OKC, OK 73154-0496 LANDOWNER: SURFACE: KENNETH J. BUELL MINERALS: NORTH AMERICAN COAL ROYALTY COMPANY WELL NUMBER: 1 COUNTY: HARRISON MUNICIPALITY: ARCHER TOWNSHIP U.S.G.S. QUAD: JEWETT OHIO STATE PLANE GRID N: 252648 COORDINATES OH-N NAD 83(2007) E: 2381171 LATITUDE: 40° 21' 01.8528" N NAD 83 LONGITUDE: 81° 01' 08.7971" W NAD 83 OHIO STATE PLANE GRID N: 2412632 ✓ COORDINATES OH-N NAD 27 E: 252619 ✓ LATITUDE: 40.35044843° N NAD 27 LONGITUDE: 81.01956964° W NAD 27	SUBDIVISION: CIVIL TOWNSHIP / PLSS TOWNSHIP & RANGE: T11N, R5W QUARTER TOWNSHIP: N/A SECTION: 10 LOT: N/A TRACT: N/A ALLOTMENT: N/A FRACTION: N/A ELEVATION: 1318' NAVD 88 ✓ DATE: 11/01/2010 REVISIONS: 1 REVISIONS: (2/20/10) P.C. 1) SECTION AND PROPERTY BOUNDARIES REVISED FROM A STONE FOUND AT THE SW CORNER OF SECTION 10, CARSONITE PROPERTY MARKERS FOUND ON THE SOUTH BOUNDARY OF SEC. 10 & SEC. 4 AND AN IRON PIN AT THE SE CORNER OF SEC. 4.
---	---

NOTES:
THIS SURVEY WAS PERFORMED SOLELY TO LOCATE THE PROPOSED WELL WITH RESPECT TO EXISTING BOUNDARIES AND TO PROVIDE STATE PLANE COORDINATES.

WELL TYPE
OIL OR GAS: NEW LOCATION: X OTHER: _____

PARCEL DIMENSIONS AND OWNERSHIP DATA WERE OBTAINED FROM THE COUNTY AUDITOR TAX MAPS AND GIS DATA.

0 400' 800'

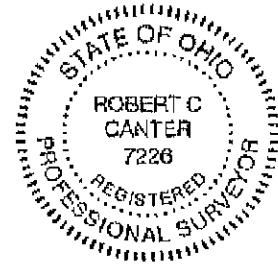


Robert C. Canter, P.S.
6801 S.R. 56 Athens, Ohio 45701
Phone: (740) 592-5706
Email: canter@congps.com

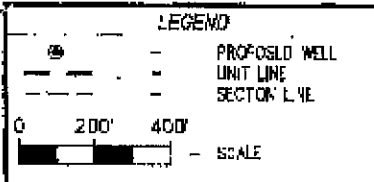
I HEREBY CERTIFY THAT OIL DRILLING OR PRODUCING WITHIN 1000 FEET AND ALL BUILDINGS AND STREAMS WITHIN 200 FEET HAVE BEEN SHOWN, THAT THIS PLAT IS TRUE AND CORRECT AND WAS PREPARED ACCORDING TO THE CURRENT STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES, DIVISION OF MINERAL RESOURCE MANAGEMENT SPECIFICATIONS.

Robert C. Canter 12-20-10
ROBERT C. CANTER, P.S. 7226 DATE

PROJECT NO.	SCALE	DRAWN BY:	CHECKED BY:
10101	1"=400'	H. MOORE	R.C. CANTER



SEAL



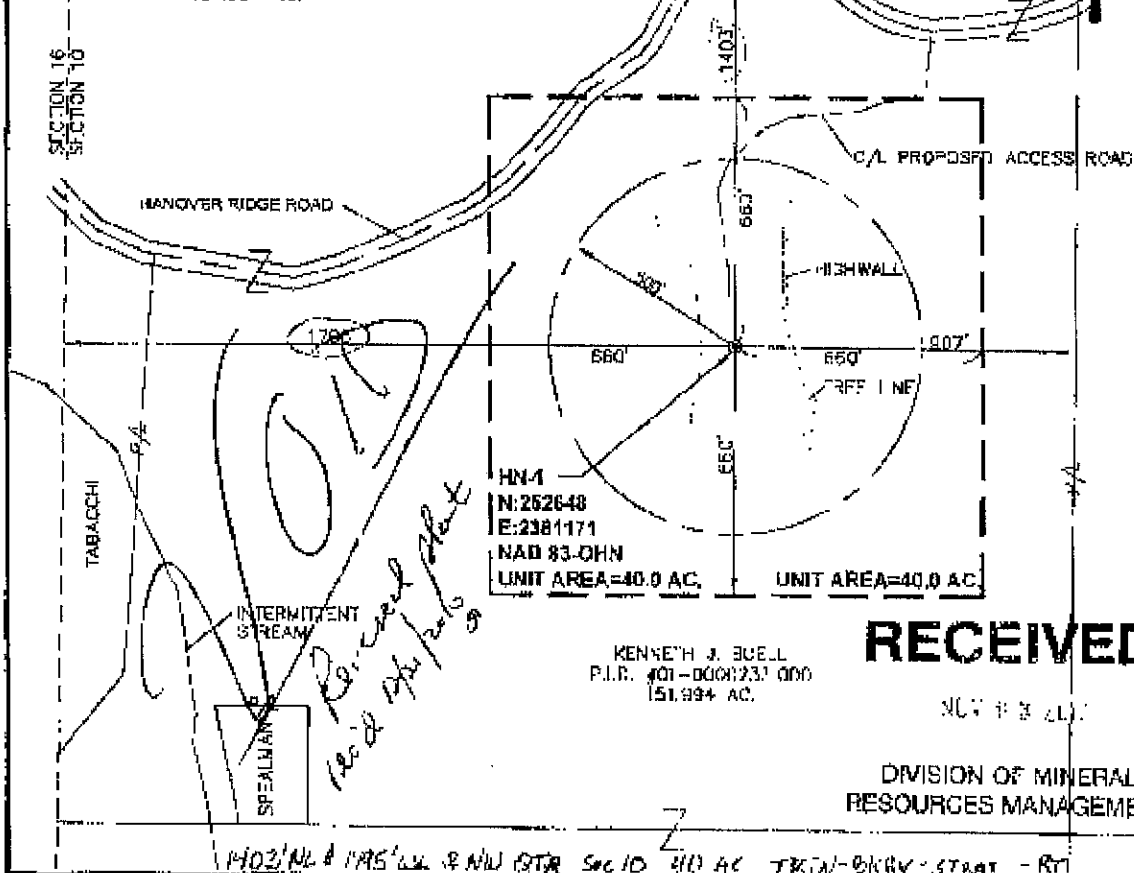
KENNETH J. BUELL #1

SECTION 11
SECTION 10

P/A

NE CORNER
NW 1/4
SECTION 10

KENNETH J. BUELL
P.L.D. #01-0000233000
151.994 AC.



SURVEY PLAT SHOWING PROPOSED WELL

STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES - DIVISION OF MINERAL RESOURCE MANAGEMENT, COLUMBUS, OHIO

OPERATOR: OHIO HUCKEYE ENERGY LLC
ADDRESS: P.O. BOX 18496 OKC, OK 73154-0496
LANDOWNER: SURFACE: KENNETH J. BUELL
MINERALS: NORTH AMERICAN COAL ROYALTY COMPANY
WELL NUMBER: 1
COUNTY: HARRISON
MUNICIPALITY: ARCHER TOWNSHIP
U.S.G.S. QUAD: JEWETT
OHIO STATE PLANE GRID N: 252648
COORDINATES ON NAD 83(2007) F: 2381171
LATITUDE: 43° 2' 01.8826" N NAD 83
LONGITUDE: 81° 01' 09.7971" W NAD 83

SUBDIVISION CIVIL TOWNSHIP / PLSS
TOWNSHIP & RANGE: 11N, 85W
QUARTER TOWNSHIP: N/A
SECTION: 10
LOT: N/A
TRACT: N/A
ALLOTMENT: N/A
FRACTION: N/A
ELEVATION: 1317' NAVD 88
DATE: 10/19/2010
REVISIONS: N/A

OHIO STATE PLANE GRID N: 2412632
COORDINATES ON NAD 27 E: 252619

WELL TYPE:
OIL OR GAS: NEW LOCATION: X OTHER:

NOTES:
THIS SURVEY WAS PERFORMED SOLELY TO LOCATE THE PROPOSED WELL WITH RESPECT TO EXISTING BOUNDARIES AND TO PROVIDE STATE PLANE COORDINATES.
PARCELS, DIMENSIONS AND OWNERSHIP DATA WERE OBTAINED FROM THE COUNTY AUDITOR TAX MAPS AND GIS DATA.



CANTER SURVEYING

Robert C. Canter, P.S.
6501 S.R. 56 Athens, Ohio 45701
Phone: (740) 592-5706
Email: canter@cantergps.com

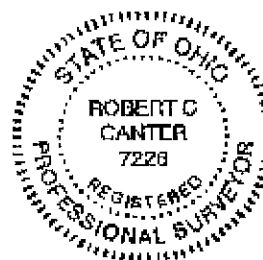
I HEREBY CERTIFY THAT ON DRILLING OR PRODCING WITHIN 1000 FEET AND ALL BUILDINGS AND STREAMS WITHIN 200 FEET HAVE BEEN MEASURED. THIS PLAT IS TRUE AND CORRECT AND WAS PREPARED ACCORDING TO THE CURRENT STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES, DIVISION OF MINERAL RESOURCE MANAGEMENT SPECIFICATIONS.

Robert C. Canter

ROBERT C. CANTER, P.S. 7226

DATE

PROJECT NO.	SCALE	DRAWN BY:	CHECKED BY:
10101	1"=400'	H. MOORE	R.C. CANTER



SHAL

ROUTE SLIP FOR CORRECTION/CHANGE OF EXISTING PERMITS

COUNTY: Harrison TOWNSHIP: Archer PERMIT # 2-1057

PERSON RECEIVING REQUEST PATTY NICKLAUS DATE 04/07/2011

OWNER: Ohio Buckeye Energy LLC

LEASE NAME: North American Coal Royalty Co. WELL NO: Bwell # 8H

CHANGES:

☐ Change in acreage/drill unit and/or ☒ As Drilled Plat for Directional Drill

☐ Unit Configuration only

(new plat submitted: yes ☒ no ☐
(fee required: yes ☒ no ☐
(check no: 1451599)

☐ change in type of tool

☒ correction in footage
description (☐ surface ☒ target)

☐ change in formation/total depth

☐ change in lease name/well number

☐ correction to X,Y coordinates
(☐ surface ☐ target)

☐ change in casing program

☐ other (specify):

CORRECTION SHOULD READ:

Target: 1964' NL & 13' EL OF SEC 10
Target: X: 2,416,126 Y: 246,617

CHANGES AUTHORIZED BY: (Geologist) MDW Date: 4/18/2011

HAS MINES BEEN NOTIFIED OF CHANGE: (where applicable) Yes ☐ No ☐ BY ☐

DATA ENTERED INTO COMPUTER/ISSUED BY: PN DATE: 4/22/2011

REISSUE PERMIT: YES ☐ NO ☒ ADD CORRECTION TO PERMIT LIST ☒ YES ☐ NO ☐

DATE CORRECTION NEEDED: ☐ TO BE MAILED: ☐ TO BE FAXED: ☐

FAX NUMBER: ☐

COMMENTS: see oversize images for plat

		Directional Survey Report				Ohio Buckeye Energy, LLC				
		Well ID: 832724				Well Name: Kenneth Buall 8H				
		County: Harrison State: OH Country: United States								
Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity	
		Well Bore: Original Well Bore			Plans of Vertical Section: 150					
TieIn	0.0	3.00	0	0.0	0.0	0.0	0.0	0.0		
MMS	230.0	0.23	284.38	230.3	0.1	0.4	0.5	-0.3	0.130	
MMS	268.0	0.57	232.59	268.3	0.0	-0.8	0.8	-0.4	0.801	
MMS	502.0	0.38	184.85	502.3	-1.4	-1.7	2.2	0.4	0.138	
MMS	804.0	0.49	181.1	804.3	-3.7	-2.0	4.2	2.2	0.040	
MMS	1181.0	0.22	284.7	1,181.3	5.8	3.0	5.8	2.8	0.153	
MMS	1507.0	0.15	343.86	1,507.3	4.4	3.7	5.8	1.8	0.057	
MMS	1791.0	0.05	148.48	1,791.0	-4.1	-3.8	5.6	1.7	0.058	
MMS	2223.0	0.30	323.78	2,223.3	-3.3	-4.2	5.3	0.7	0.030	
MMS	2415.0	0.34	323.36	2,415.3	-2.4	-4.7	5.3	-0.3	0.027	
MMS	2607.0	0.12	272.5	2,607.0	-1.9	5.2	5.4	-1.0	0.151	
MMS	2795.0	0.32	314.48	2,795.3	-1.5	5.8	6.0	-1.8	0.129	
MMS	2983.0	0.08	302.58	2,983.3	-0.6	7.0	7.0	-3.0	0.143	
MWD	3177.0	0.52	288.51	3,177.3	0.3	-8.6	8.0	-4.0	0.030	
MWD	3369.0	0.73	324.78	3,369.3	1.6	-10.1	10.2	-6.4	0.209	
MWD	3558.0	0.81	311.02	3,558.3	3.2	-11.5	12.0	-8.6	0.108	
MWD	3753.0	0.50	320.84	3,748.3	4.7	-12.9	13.8	-10.5	0.054	
MWD	3957.0	0.55	309.23	3,956.3	6.2	-14.5	15.7	-12.6	0.058	
MWD	4131.0	0.53	322.30	4,129.3	7.4	-15.6	17.3	-14.2	0.038	
MWD	4225.0	0.75	313.51	4,224.3	8.3	-16.4	18.4	-15.4	0.153	
MWD	4307.0	0.88	313.6	4,308.3	11.3	-19.4	22.3	-18.5	0.032	
MWD	4703.0	1.00	311.35	4,698.3	13.5	-21.8	25.7	-22.6	0.023	
MWD	4793.0	1.87	315.46	4,789.3	15.0	-23.4	27.3	-24.7	0.751	
MWD	4885.0	1.32	314.06	4,884.3	16.7	-26.1	30.2	-27.1	0.370	
MWD	4983.0	0.87	302.18	4,979.3	17.9	-26.6	32.1	-28.8	0.443	
MWD	5074.0	0.75	279.42	5,073.7	18.4	-27.9	33.4	-20.9	0.441	
MWD	5165.0	1.23	281.93	5,168.7	18.4	-28.5	34.3	-30.7	0.593	
MWD	5284.0	2.12	284.41	5,263.7	17.8	-32.2	38.3	-31.6	0.940	
MWD	5353.0	2.37	287.73	5,358.6	17.4	-35.9	38.3	-33.0	0.520	
MWD	5454.0	2.41	285.74	5,453.6	17.8	-34.8	41.3	-35.3	0.788	
MWD	5540.0	2.13	289.71	5,547.5	18.1	-43.3	47.3	-38.2	0.549	
MWD	5644.0	1.76	313.42	5,643.4	20.8	-45.0	50.3	-41.1	0.622	
MWD	5741.0	1.87	304.26	5,740.4	22.7	-48.4	53.3	-43.9	0.235	
MWD	5837.0	1.88	305.79	5,836.3	24.4	-48.8	55.3	-46.6	0.224	
MWD	5934.0	1.83	319.52	5,933.0	26.4	-50.0	57.3	-48.4	0.435	
MWD	6029.0	1.00	324.77	6,028.2	28.5	-54.8	61.3	-52.0	0.527	
MWD	6124.0	1.28	317.33	6,123.2	30.2	-59.0	63.3	-54.1	0.198	
MWD	6220.0	0.88	318.02	6,219.2	31.6	-57.3	65.3	-58.0	0.313	
MWD	6315.0	1.80	321.24	6,314.2	33.4	-58.8	67.3	-56.3	0.972	
MWD	6410.0	1.32	320.45	6,409.1	35.6	-60.3	70.3	-61.0	0.887	
MWD	6506.0	1.55	336.73	6,505.1	37.7	-61.4	72.1	-63.4	0.276	
MWD	6598.0	1.58	350.51	6,598.1	40.1	-52.1	74.3	-63.6	0.436	
MWD	6694.0	1.32	352.33	6,693.0	42.5	-82.5	75.5	-68.1	0.278	
MWD	6791.0	0.81	22.7	6,789.0	44.3	-62.4	76.5	-68.5	0.767	
MWD	6886.0	0.74	38.13	6,885.0	45.4	81.7	76.5	-70.1	0.245	
MWD	6981.0	0.93	55.22	6,980.0	46.0	80.7	76.3	-70.4	0.315	
MWD	7077.0	1.12	68.45	7,076.0	47.1	58.2	76.7	-70.4	0.287	
MWD	7171.0	1.14	71.4	7,170.3	47.8	57.8	74.7	-70.1	0.106	
MWD	7265.0	1.22	77.31	7,264.0	48.3	55.6	73.3	-69.6	0.153	
MWD	7361.0	1.14	80.72	7,360.9	48.5	53.7	72.3	-64.8	0.302	
MWD	7457.0	1.14	88.39	7,455.9	48.3	51.8	70.3	-67.8	0.159	
MWD	7552.0	1.03	108.9	7,550.9	47.9	50.0	69.3	-64.6	0.239	
MWD	7647.0	0.95	111.39	7,645.8	47.4	48.5	67.3	-65.3	0.095	
MWD	7743.0	1.00	116.14	7,741.8	48.7	47.0	66.3	-63.9	0.089	
MWD	7793.0	0.86	132.4	7,788.8	48.3	40.3	65.5	-63.2	0.696	
MWD	7824.0	2.81	141.88	7,822.8	45.4	-49.6	64.4	-62.1	6.000	
MWD	7893.0	0.77	149	7,891.7	43.4	44.2	62.3	-59.7	13.096	
MWD	7888.0	12.73	150.22	7,884.3	38.8	-41.4	56.3	-54.3	16.357	
MWD	7918.0	16.71	152.77	7,915.2	31.8	-37.6	49.3	-40.3	14.448	
MWD	7960.0	20.22	154.29	7,945.6	22.7	-33.1	40.2	-35.2	11.067	
MWD	7981.0	21.23	154.39	7,974.7	13.1	-28.5	31.3	-25.5	0.084	
MWD	8013.0	21.95	150.33	8,004.8	3.1	-23.3	23.5	-10.3	4.937	

Directional Survey Report					Ohio Buckeye Energy, LLC				
Well ID: B32724					Well Name: Kenneth Buell BH				
					County: Hamson State: OH Country: United States				
Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S	E-W	Closure	Vertical Section	Dog Leg Severity
MWD	8,045.0	22.13	148.02	8,034.3	7.2	-7.1	11.5	-2.3	7.330
MWD	8,077.0	22.42	147.34	8,066.3	-10.5	-8.9	71.0	11.1	10.300
MWD	8,109.0	22.90	146.83	8,098.5	-31.2	-1.6	31.3	26.2	10.918
MWD	8,140.0	32.48	148.43	8,119.1	-44.8	5.8	45.3	42.2	8.741
MWD	8,172.0	34.18	149.33	8,144.8	-53.9	15.5	51.9	59.6	5.537
MWD	8,204.0	36.58	149.52	8,170.9	-75.8	25.1	78.9	78.3	7.504
MWD	8,235.0	39.47	149.05	8,196.1	-92.8	36.4	109.3	98.0	9.375
MWD	8,267.0	41.68	148.59	8,219.6	-110.1	45.6	115.2	118.2	7.130
MWD	8,299.0	43.30	148.54	8,243.1	-128.6	57.1	140.7	138.5	8.958
MWD	8,331.0	45.60	149.08	8,265.7	-148.1	68.7	181.2	162.6	8.804
MWD	8,363.0	48.87	148.63	8,287.2	-169.3	81.0	185.6	185.3	7.163
MWD	8,394.0	51.08	148.16	8,307.1	-188.7	93.2	213.4	211.0	7.271
MWD	8,426.0	53.55	149.52	8,325.7	-210.4	105.2	235.7	235.3	7.739
MWD	8,458.0	56.35	149.34	8,345.1	-233.0	119.5	261.8	261.5	8.793
MWD	8,490.0	59.27	149.63	8,362.1	-258.4	133.2	288.9	288.6	9.240
MWD	8,521.0	62.28	150.83	8,377.3	-279.0	146.5	315.9	315.6	9.951
MWD	8,553.0	64.92	151.46	8,391.5	-305.0	160.3	344.5	344.3	8.487
MWD	8,585.0	67.36	151.01	8,404.4	-330.6	174.4	373.8	373.8	7.733
MWD	8,615.0	70.17	150.68	8,415.7	-355.9	188.5	402.7	402.4	8.125
MWD	8,645.0	72.81	150.83	8,425.6	-382.3	203.1	431.0	432.8	8.255
MWD	8,680.0	75.79	151.45	8,434.5	-408.2	218.4	461.8	463.6	9.358
MWD	8,712.0	78.52	150.86	8,441.5	-435.4	233.8	491.0	494.8	8.547
MWD	8,743.0	82.11	150.75	8,446.6	-463.0	248.7	523.8	525.3	11.649
MWD	8,775.0	85.10	150.75	8,450.3	-490.8	264.2	557.4	557.1	9.905
MWD	8,809.0	88.09	150.75	8,453.4	-518.6	280.0	600.3	620.0	8.030
MWD	8,834.0	89.30	150.91	8,454.2	-529.5	341.8	718.3	718.0	0.870
MWD	9,030.0	90.87	151.67	8,453.6	-713.7	387.9	812.3	812.0	1.234
MWD	9,124.0	90.40	150.04	8,452.6	-795.8	433.7	955.3	906.0	1.836
MWD	9,219.0	90.07	140.39	8,451.4	-877.8	481.6	1,001.2	1,021.0	0.810
MWD	9,314.0	89.80	150.00	8,450.0	-960.1	529.0	1,090.2	1,095.0	1.833
MWD	9,410.0	89.30	140.06	8,451.5	-1,043.0	577.3	1,182.1	1,192.0	1.966
MWD	9,505.0	89.07	147.07	8,452.2	-1,124.7	627.0	1,286.0	1,297.9	1.374
MWD	9,602.0	89.04	146	8,452.8	-1,205.0	680.4	1,393.8	1,383.6	1.825
MWD	9,697.0	88.38	147.05						
MWD	9,697.0	88.38	147.05	8,454.5	-1,284.2	732.7	1,476.6	1,478.6	1.358
MWD	9,793.0	88.37	147.56	8,457.2	-1,365.0	784.6	1,574.4	1,574.4	0.598
MWD	9,889.0	88.16	147.58	8,459.2	-1,448.0	836.0	1,670.3	1,670.3	0.823
MWD	9,984.0	88.09	147.25	8,461.5	-1,528.1	887.2	1,765.2	1,765.2	1.279
MWD	10,080.0	88.64	148.55	8,464.2	-1,607.3	938.2	1,861.1	1,861.1	1.472
MWD	10,175.0	88.99	147.16	8,466.2	-1,688.0	989.3	1,955.0	1,955.0	0.806
MWD	10,271.0	89.25	149.52	8,467.7	-1,770.0	1,039.2	2,052.0	2,052.0	1.853
MWD	10,366.0	89.09	148.73	8,468.8	-1,851.6	1,087.0	2,147.0	2,147.0	0.952
MWD	10,462.0	89.25	149.69	8,469.5	-1,934.0	1,136.1	2,243.0	2,242.9	1.100
MWD	10,558.0	89.97	150.347	8,470.1	-2,017.1	1,184.1	2,339.0	2,338.9	1.015
MWD	10,653.0	89.25	150.13	8,470.9	-2,099.6	1,231.2	2,434.0	2,433.9	0.792
MWD	10,749.0	89.05	152.42	8,472.3	-2,183.8	1,277.4	2,529.9	2,529.9	2.494
MWD	10,844.0	89.95	151.42	8,474.2	-2,267.6	1,323.1	2,624.8	2,624.8	1.491
MWD	10,939.0	89.95	152.48	8,475.4	-2,351.4	1,368.7	2,719.8	2,719.7	1.278
MWD	11,035.0	89.08	151.42	8,477.1	-2,435.1	1,411.9	2,815.7	2,815.7	1.109
MWD	11,130.0	89.08	150.4	8,478.5	-2,518.1	1,458.1	2,910.7	2,910.7	1.074
MWD	11,225.0	90.34	150.52	8,479.1	-2,601.6	1,504.9	3,005.6	3,005.0	1.332
MWD	11,321.0	90.84	150.75	8,479.1	-2,685.4	1,552.0	3,101.6	3,101.6	2.573
MWD	11,416.0	90.87	150.52	8,479.7	-2,769.2	1,599.5	3,198.6	3,198.6	2.244
MWD	11,511.0	91.21	150.92	8,475.0	-2,851.1	1,645.0	3,291.8	3,291.8	1.563
MWD	11,558.0	91.42	149.2	8,475.1	-2,931.5	1,688.5	3,383.6	3,383.6	0.873
MWD	11,654.0	90.14	152.35	8,476.3	-3,014.3	1,729.2	3,444.6	3,444.6	1.480
MWD	11,701.0	89.33	150.6	8,478.4	-3,098.8	1,777.9	3,481.6	3,481.6	5.897
MWD	11,795.0	87.98	149.38	8,479.6	-3,183.7	1,784.7	3,575.5	3,575.5	2.873
MWD	11,891.0	87.51	147.85	8,482.3	-3,279.1	1,836.3	3,671.4	3,671.4	0.736
MWD	11,986.0	87.78	147.89	8,486.2	-3,356.6	1,886.8	3,766.2	3,766.2	0.287
MWD	12,081.0	88.58	148.70	8,489.3	-3,440.2	1,928.7	3,851.1	3,851.1	1.251
MWD	12,176.0	88.20	149.3	8,491.9	-3,421.7	1,986.6	3,956.1	3,956.1	0.701
MWD	12,272.0	88.25	149.48	8,494.5	-3,504.3	2,034.4	4,052.0	4,052.0	0.195
MWD	12,367.0	88.72	149.34	8,497.1	-3,586.1	2,082.7	4,147.0	4,147.0	0.916

Directional Survey Report

Well ID: 932724

Ohio Buckeye Energy, LLC

Well Name: Kenneth Buell 3H

County: Harrison State: OH Country: United States

Survey Type	Meas. Depth	Incl.	Azimuth	TVD	Coordinates N-S	E-W	Closure	Vertical Section	Dog Leg Severity
MWD	2,482.0	88.56	148.01	8,488.8	2,067.0	2,131.4	4,242.0	4,242.0	0.514
MWD	2,558.0	88.62	149.2	8,502.5	-3,780.0	2,180.7	4,307.9	4,307.9	0.227
MWD	2,633.0	88.59	148.84	8,505.2	-3,831.8	2,228.8	4,432.9	4,432.9	0.874
MWD	2,749.0	88.79	148.66	8,507.5	-3,973.6	2,276.7	4,627.9	4,537.8	0.482
MWD	2,843.0	88.72	151.22	8,510.1	-3,996.5	2,323.5	4,622.8	4,622.8	1.787
MWD	2,938.0	88.02	150.53	8,513.3	-4,079.4	2,369.7	4,717.7	4,717.7	0.733
MWD	3,034.0	89.16	150.01	8,515.6	-4,162.7	2,417.3	4,813.7	4,813.7	1.306
MWD	3,129.0	88.30	150.77	8,517.7	-4,245.3	2,464.3	4,909.7	4,909.7	1.161
MWD	3,224.0	88.60	152.68	8,519.4	-4,328.9	2,509.3	5,003.6	5,003.6	2.397
MWD	3,319.0	88.52	151.27	8,520.9	-4,412.8	2,553.9	5,098.5	5,098.5	1.869
MWD	3,414.0	88.85	151.1	8,523.1	-4,496.0	2,599.7	5,193.5	5,193.5	0.400
MWD	3,510.0	89.13	152.56	8,524.3	-4,580.8	2,644.0	5,289.4	5,289.4	1.577
MWD	3,605.0	89.08	151.73	8,525.3	-4,664.6	2,689.3	5,384.3	5,384.3	1.031
MWD	3,700.0	87.78	151.1	8,529.9	-4,748.0	2,734.7	5,479.3	5,479.3	1.139
MWD	3,795.0	87.82	150.11	8,533.3	-4,831.6	2,781.9	5,575.2	5,575.2	1.031
MWD	3,891.0	87.08	149.56	8,537.5	-4,913.7	2,830.2	5,670.1	5,670.1	1.807
MWD	3,986.0	87.31	148.88	8,542.1	-4,994.3	2,878.5	5,764.9	5,764.9	0.414
MWD	4,081.0	87.68	148.51	8,546.4	-5,076.4	2,928.0	5,859.8	5,859.8	0.482
MWD	4,177.0	88.15	148.35	8,549.8	-5,157.1	2,979.0	5,955.7	5,955.7	0.617
MWD	4,272.0	88.08	148.43	8,552.4	-5,238.0	3,029.8	6,050.8	6,050.8	0.786
MWD	4,367.0	88.19	147.25	8,554.8	-5,318.4	3,079.3	6,145.0	6,145.0	1.403
MWD	4,463.0	88.30	148.72	8,558.1	-5,399.8	3,130.2	6,241.6	6,241.6	2.079
MWD	4,558.0	88.50	147.71	8,560.4	-5,480.6	3,180.2	6,336.4	6,336.4	1.084
MWD	4,653.0	89.78	148.55	8,565.2	-5,561.2	3,230.4	6,431.4	6,431.4	1.186
MWD	4,748.0	89.06	149.1	8,568.1	-5,642.5	3,279.8	6,526.4	6,526.4	0.954
MWD	4,844.0	89.23	148.82	8,567.5	-5,725.2	3,328.3	6,622.4	6,622.4	0.890
MWD	4,939.0	89.03	149.08	8,569.9	-5,807.1	3,376.5	6,717.2	6,717.2	0.939
MWD	5,034.0	88.88	147.97	8,560.7	-5,888.1	3,426.1	6,812.3	6,812.3	1.222
MWD	5,130.0	88.99	147.97	8,562.7	-5,969.4	3,477.0	6,908.2	6,908.2	0.312
MWD	5,167.0	89.09	147.61	8,563.3	-6,050.8	3,496.7	6,945.2	6,945.2	0.846
PROJ	5,226.0	89.08	147.7	8,564.3	-6,050.5	3,528.2	7,004.3	7,004.1	0.651

Calculations using Minimum Curvature Method

**Project Narrative
Well Completion Plan
Buell 8 H Well
January 26, 2011**

The Buell 8H well is currently being drilled in Harrison County. Chesapeake intends to complete the well by perforating casing and hydraulically fracturing the target formation. The following plan has been developed to accomplish the completion.

Water Source

Water used to complete the Buell 8H well will come from the Sparrow Reservoir, owned by the Village of Cadiz. It is the understanding of Chesapeake that the reservoir is no longer used to supply municipal water. Chesapeake has met with Village of Cadiz representatives and has reached an agreement with them to purchase water out of the reservoir for our operations. Chesapeake has confirmed that the Village of Cadiz has previously registered the Sparrow Reservoir with the ODNR Division of Water. The Sparrow Reservoir Water Withdrawal Facility Registration number is 00230. As seen on Attachment A: Water Trucking Route Map, Chesapeake will utilize trucks to pull water out of the reservoir and transport it to the proposed Corban Freshwater Storage Area. A small area on both sides of Reservoir Road (59), just west of the bridge will be cleared of brush and debris and graveled with stone to provide a suitable area for six trucks at a time to pump water out of the reservoir and haul it to the Corban Freshwater Storage Area. Appropriate BMPs will be utilized as needed to provide adequate erosion and sediment control. A stream and wetland delineation was performed by a consultant and found no impacts associated with the Cadiz Reservoir Withdrawal Point.

Water Trucking

Trucks loaded with water at the Cadiz Reservoir Withdrawal Point will travel north on Reservoir Road (CR 59) for approximately 1.5 miles and will turn left onto Old Hopedale Road (CR 5). After traveling approximately .5 miles, the loaded water trucks will turn right onto Baker Ridge Road (CR 51). After a short distance on Baker Ridge Road (CR 51), the loaded trucks will turn onto US 22 and travel south for approximately 1.8 miles. From there, they will get off on Cadiz Jewett Road (SR 9). They will travel north on SR 9 for approximately 6 miles and turn right onto Hanover Ridge Road (CR 17). Travel on Hanover Ridge Road (CR 17) for approximately 1.6 miles (you will pass the Buell pad location on the right) and bear right at the Y in the road onto Bells Hill Road. Travel approximately 3,000 feet to the top of the hill, past the state forest boundary, and you will arrive at the Corban Freshwater Storage Area. The loaded trucks will transport their water into one of the tanks at the Corban Freshwater Storage Area. From there, unloaded trucks will travel down the hill on Bells Hill Road for another 1.6 miles to the intersection with Upper Clearfork Road (CR 13). The unloaded trucks will travel approximately 2,500 feet to the intersection with Cadiz Jewett Road (SR 9). The unloaded trucks will turn left and travel south on SR 9 back to the Cadiz Reservoir to get loaded again. Refer to Attachment A: Water Trucking Route Map for a depiction of the route. Chesapeake has met with Harrison County and Greene and Archer Townships to discuss the hauling route.

Chesapeake is in the process of finalizing Road Use Maintenance Agreements with the county and township representatives.

Corban Freshwater Storage Area

Chesapeake will construct a tank facility to store freshwater for the completion of the Buell well. The facility will be capable of holding 150 tanks which can store up to 500 bbls per tank. Even though it is fresh water, all of the tanks will be provided with containment to prevent off-site spills. The design for the facility including erosion and sediment control can be found in Attachment B: Corban Freshwater Storage Area. Only fresh water will be stored in the tanks at this facility. No production or flowback water will be stored at this location. A stream and wetland delineation was performed by a consultant and found no impacts associated with the Corban Freshwater Storage Area. The immediate use of the facility is limited to just the Buell location; however this facility may remain for future locations. The life of this facility will be dictated by the drill schedule. When the facility is no longer needed, all of the tanks will be removed and all necessary reclamation will be performed.

Temporary Waterline

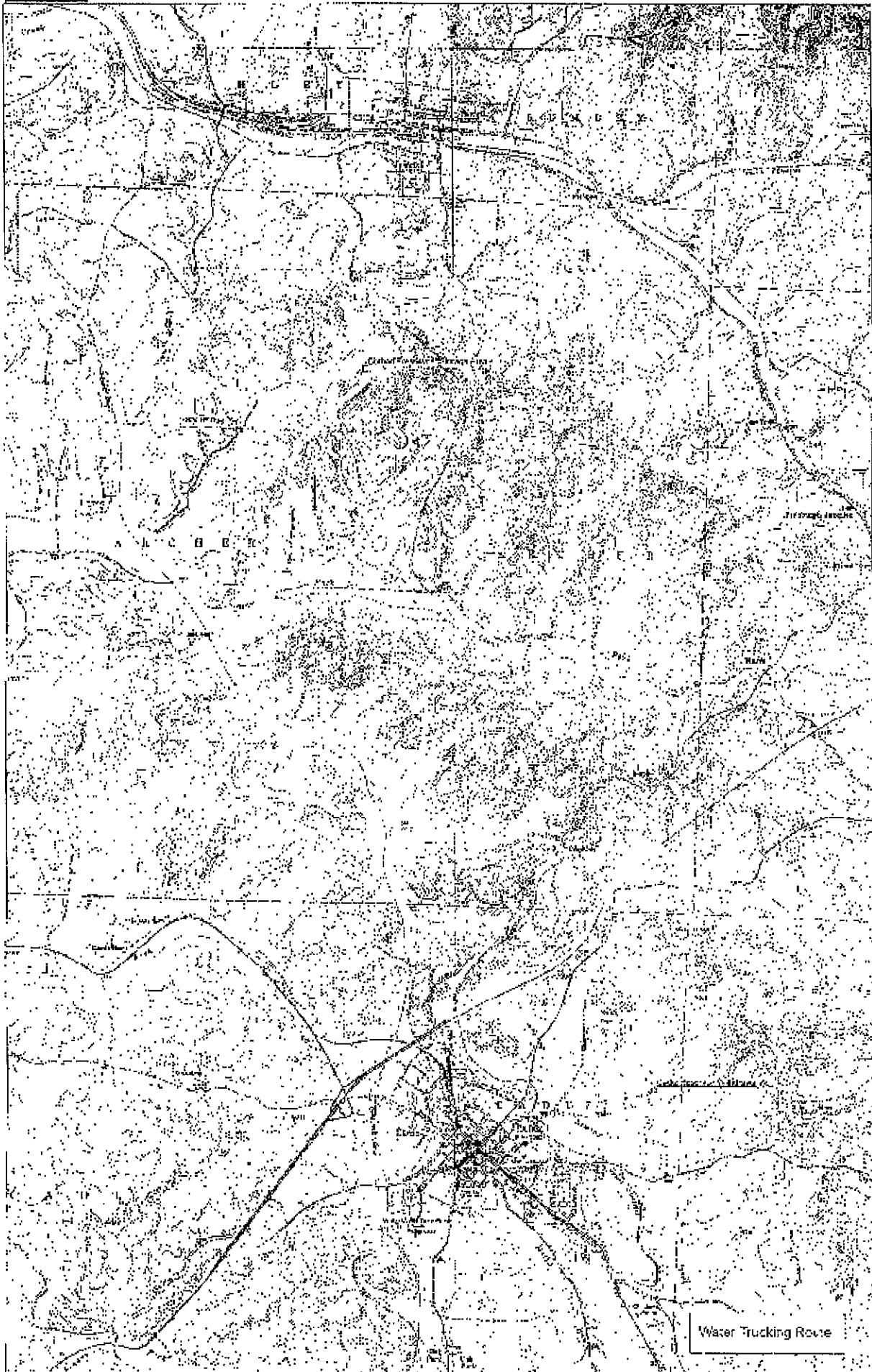
A temporary, above ground 16" HDPE waterline will be installed from the Corban Freshwater Storage Area to the Buell pad (approximately 0.75 miles long). A self contained, diesel powered Pioneer 10' x 8' centrifugal pump will be used to push the water out of the tanks and through a temporary waterline (see below) up to the working tanks on the Buell well pad. The pump will be located on the western end of Pad 1 of the Corban Freshwater Storage Area. It is anticipated that limited disturbance will be needed to install the waterline. In the areas where disturbance cannot be avoided, appropriate BMPs will be utilized to provide adequate erosion and sediment control. All of the stream crossings will be elevated above the Ordinary High Water Mark of the stream. A stream and wetland delineation was performed by a consultant and found no impacts associated with the temporary waterline. Refer to Attachment C for the location of the proposed temporary waterline as well as information on the type of pump to be used. This temporary waterline will be removed immediately following the hydraulic fracturing of the Buell 8H well and any necessary reclamation will be performed at that time.

of tanks

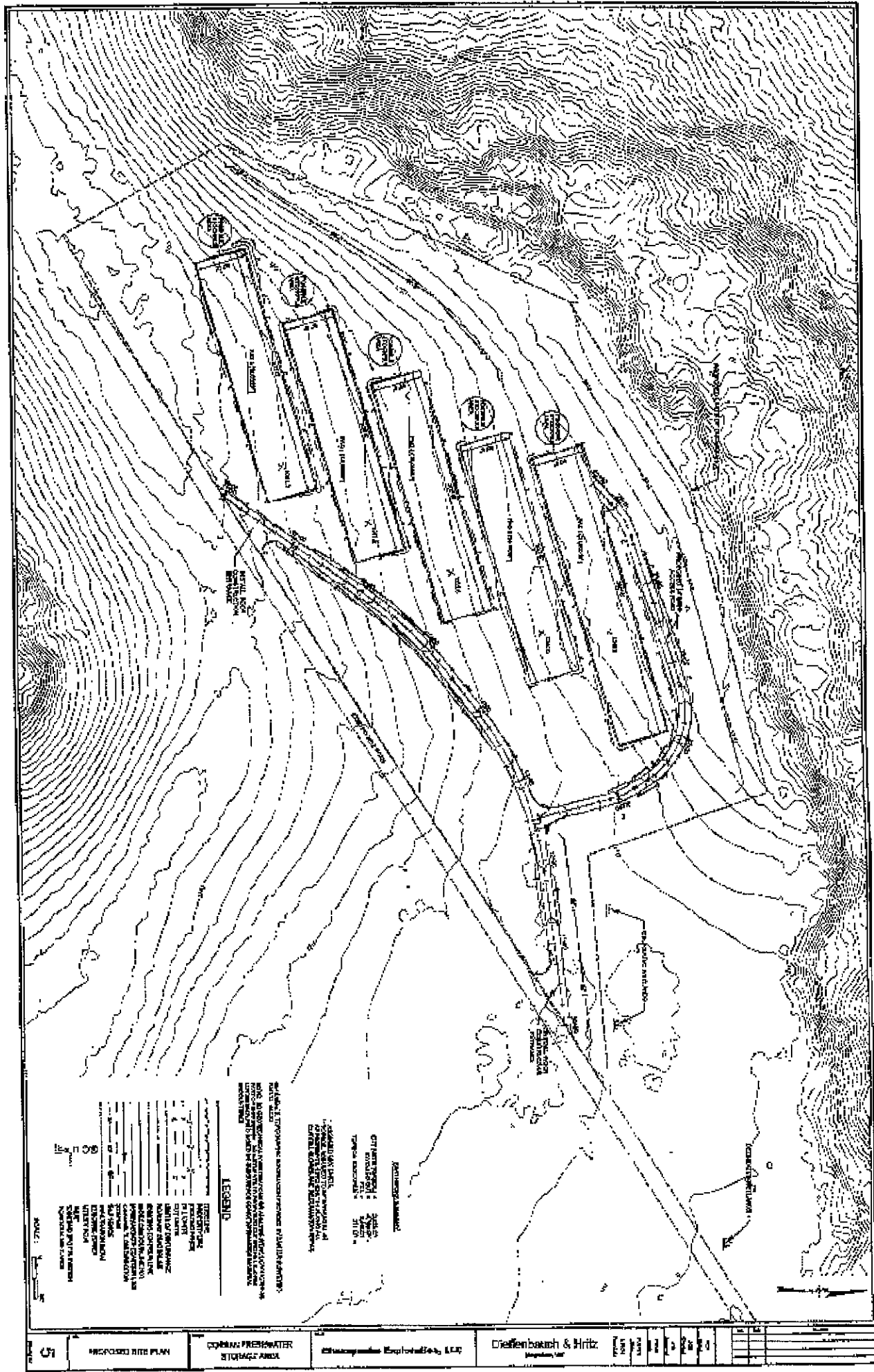
Production Water

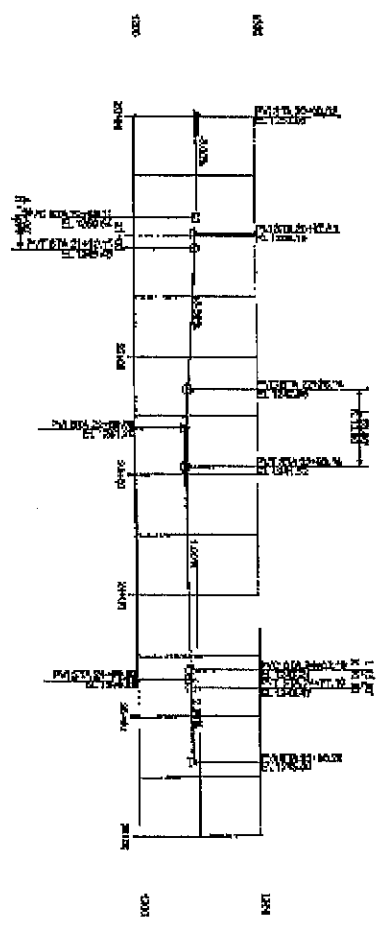
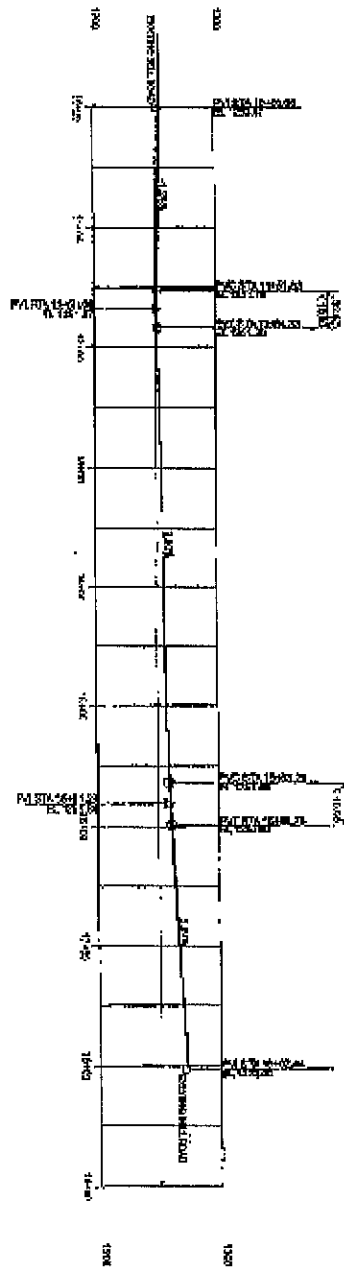
All production water from the Buell 8H well will be captured and stored in tanks (equipped with primary and secondary containment) on the pad location. No production or flowback water will be stored at the Corban Freshwater Storage Area. All production or flowback water will be transported for reuse at another well site or taken to an approved Salt Water Injection Well for disposal.

Attachment A: Water Trucking Route

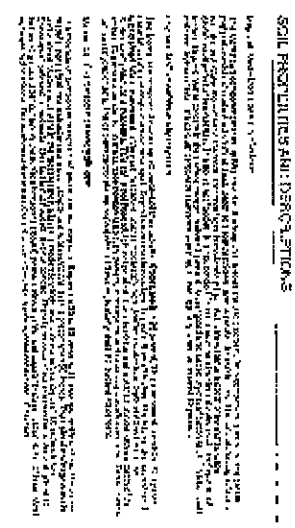


Attachment B: Corban Freshwater Storage Area





SCALE: 1"=40'

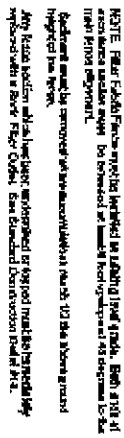
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1. The following information was obtained from the records of the Federal Bureau of Investigation, Bureau of Prisons, and the United States Department of Justice, Office of the Inspector General, regarding the activities of the following individuals:

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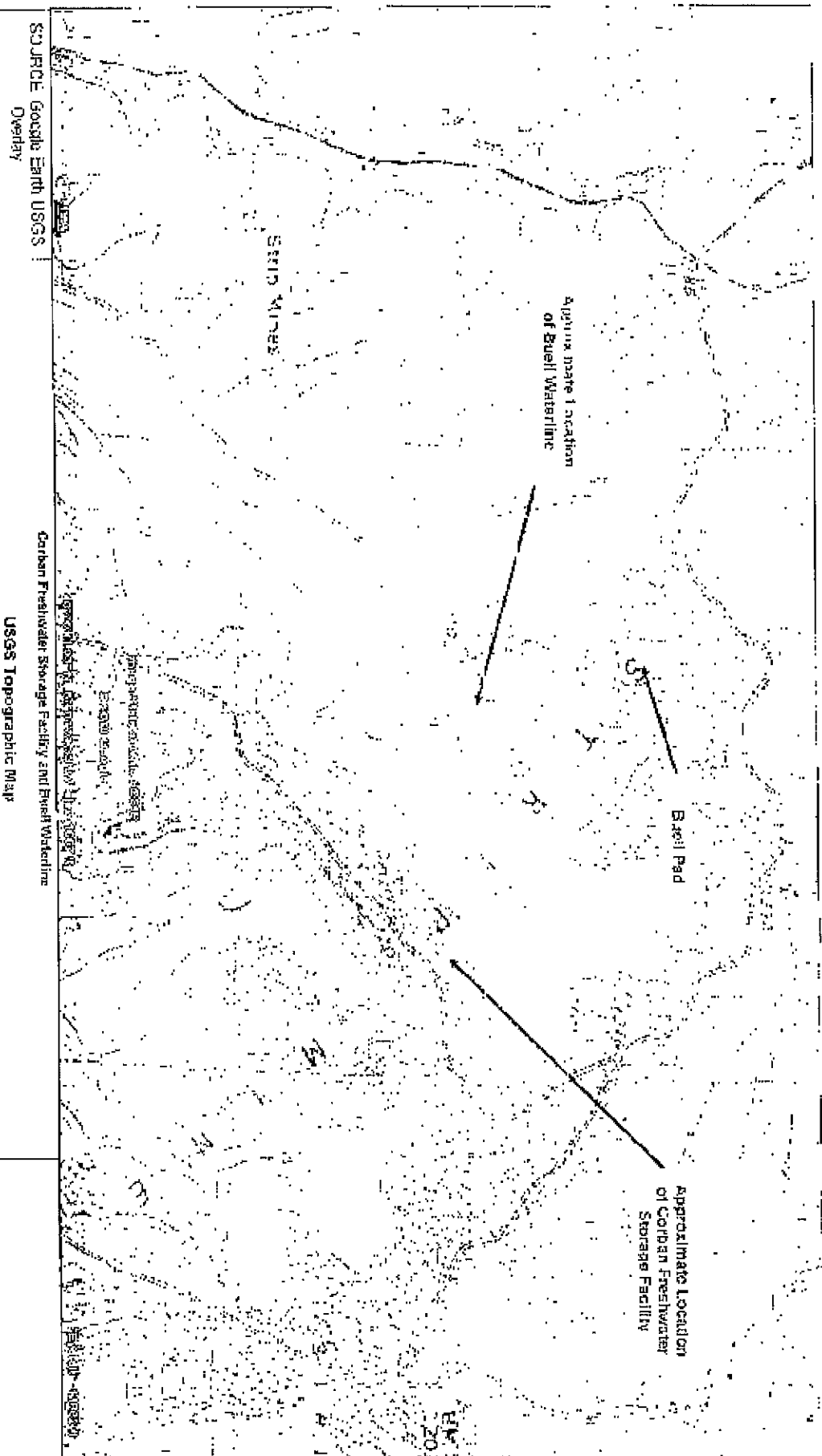


15/03/2019 11:59:00

SILT FENCE SIZE CHART



Attachment C: Temporary Waterline



SOURCE Google Earth USGS
Overlay

Corban Freshwater Storage Facility and Buell Waterline
USGS Topographic Map

Date 2012
Scale VT5

PROJECT NO: 1028C01

DITENBACH & HOLTZ

PIONEER PUMP

FLUENT PROCESSING EQUIPMENT

PIONEER PRIME SERIES - END SUCTION CENTRIFUGAL PUMP

PUMP SPECIFICATIONS:

Model:	PP108S17L71-H
Description:	Bare Shaft, Frame Mounted, Horizontal, Fully Automatic Dry Priming, Vacuum Assisted, Run Dry, Heavy Duty Solids Handling Pump
Size:	13" x 8" Class 150 ANSI Flanges Standard (Class 250 ANSI Flanges Available)
Volute Casing:	ASTM A536 Grade 65-45-12 Ductile Iron, Tangential Discharge with Cleanout, Clockwise Rotation (Viewed from the Drive End)
Wear Ring(s):	ASTM A48 Class 40 Gray Iron
Bracket:	ASTM A48 Class 30/35 Gray Iron - Enclosed w/ Lip Seal for Mechanical Seal Dry Running w/ Oil Level Sight Glass
Backplate:	ASTM A536 Grade 65-45-12 Ductile Iron
Suction Cover:	ASTM A536 Grade 65-45-12 Ductile Iron
Mechanical Seal:	Single Type Seal w/ Tungsten Carbide vs. Silicon Carbide Seal Faces, Viton Elastomers, 300 Series Stainless Steel Hardware and Spring Seal System Designed for Indefinite Dry Running
Impeller:	Enclosed Type Non-Clog Impeller w/ 3.5" Spherical Solids Handling Capability - Construction of ASTM A744 CA6NM Stainless Steel (Other Materials Available Including: 316 Stainless Steel CD4MCu Stainless Steel, ASTM A536 Grade 65-45-12 Ductile Iron, and Hardened Iron)
Bearing Housing:	ASTM A48 Class 30/35 Gray Iron
Pump End Bearing:	Single Row Ball
Drive End Bearing:	Double Row Angular Contact Bearings
Shaft:	17-4 PH Corrosion Resistant Stainless Steel (Other Metals Available)
Optional Materials:	Special Metals Including: 316 Stainless Steel, CD4MCu Stainless Steel and Hardened Materials

UltraPrime™ Priming System

Vacuum Pump Specifications:

- 50 CFM Air Flow Capacity
- Mechanically Driven Diaphragm Style
- Continuous Vacuum
- Casing - Corrosion Resistant Aluminum w/ Buna-n Elastomer
- Drive Assembly - Cast Iron Class 30 w/ Steel Shaft and Connecting Rod-Die Lubricated

Separator Specifications:

- Separator Spool: Double Chamber Standard Steel
- Air/Water Chamber: Bolted to suction spool/volute of centrifugal pump chamber designed to separate air and water before entering the pump case. O-ring sealed w/ vacuum pump isolation valve.
- PosiValve™ Air Separation Valve: Constructed of non-corrosive manganese bronze with 316 Stainless Steel (SS) valve stem and seat. Actuator assembly with float ball and hardware 316 SS.
- Discharge Check Valve: Swing Style - Cast Iron w/ Buna n disc

PIONEER PUMP



Submit

...the most efficient way to ensure that your vacuum prime assist pump is the right size for your application. The UltraPrime™ priming system is the most efficient way to ensure that your vacuum prime assist pump is the right size for your application.

...the most efficient way to ensure that your vacuum prime assist pump is the right size for your application. The UltraPrime™ priming system is the most efficient way to ensure that your vacuum prime assist pump is the right size for your application.

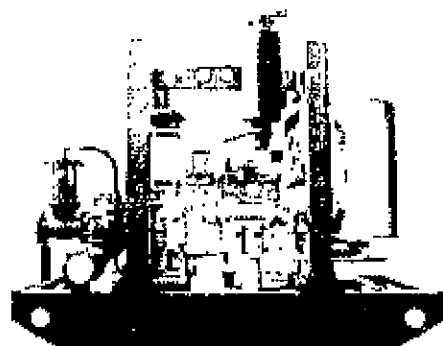
Pioneer Prime vacuum prime assist pumps deliver extreme flows with high head capability and utilize our UltraPrime™ priming system. This advanced system is capable of rapid (60 CFM) unattended priming and run-dry operation for the ultimate in remote operation.

- **Efficient and effective priming system** — Our UltraPrime™ priming system is specifically designed to eliminate product carryover, minimize downtime, and ensure large liquid volumes are drawn into the system. It also allows for high head capability.
- **Optimized package design** — Our vacuum prime assist pumps are designed to be as compact as possible, making them easy to install and maintain. They also feature a built-in safety system to prevent over-pressurization and ensure safe operation.
- **High head capability** — Our vacuum prime assist pumps are designed to handle high head applications, making them ideal for remote operation.
- **Easy to install and maintain** — Our vacuum prime assist pumps are designed to be as compact as possible, making them easy to install and maintain. They also feature a built-in safety system to prevent over-pressurization and ensure safe operation.

Pioneer Prime vacuum prime assist pumps are ideal for a wide range of applications, including remote operation, high head capability, and easy installation and maintenance.

...now, or go to www.pioneerprime.com for more information on our vacuum prime assist pumps.

DRY PRIME



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www.pioneerhydraulic.com

Quickly find the Pioneer pump that meets your needs using this powerful tool.

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PIONEER QUICK LINK

[Pump Selector](#)

Quickly find the "one pump that meets your needs" using this powerful tool.

[Request a Quote](#)

Easily request a quote using this handy online form.



Centrifugal Pumps by Pioneer Pump

Every pump in the extensive Pioneer line is advanced engineered to move water faster, more efficiently and with less downtime, whatever the application. Guaranteed.

Pioneer Pump's engineering leadership means our pumps are capable of outstanding hydraulic performance for both solids handling and clear liquids. Our large impeller eye areas provide higher suction lifts and lower NPSHr. In addition, our rugged construction ensures long life and reliability in even the harshest conditions, while "greener" designs make Pioneer pumps cleaner and more efficient than ever. Plus, our modular designs fulfill your needs with the right pump for multiple applications while minimizing spare parts.

We offer centrifugal pumps for every market and application. Packages are available that meet both domestic and international market standards such as CE, ATEX and ASTM, as well as some more specialized specifications such as those found in the nuclear industry.

Find the Pioneer pump that works for you:

Standard Centrifugal Pumps

The heart of the Pioneer Pump line, our standard centrifugal units offer extreme performance for the toughest applications and industries.

[Learn more >>](#)

Pioneer Prime Dry Priming Pumps

Our UltraPrime™ priming system is capable of rapid (50 CFM) unattended priming and run-dry operation.

[Learn more >>](#)

Self-priming / Wet-priming Pumps

These pumps are designed for reliable solids and clear liquids pumping. After initial priming, they continue to reprime automatically.

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Hydraulic Submersible Pumps

Ideal for dewatering construction and mining applications, these pumps and corresponding power units offer exceptional performance.

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Canby, OR 97013 | 503.265.4



Pioneer Prime: Vacuum Prime Assist Pumps

Size: 1.5"–18", 40–450mm
Head: 700+ feet, 210m
Flow: 20–18,000 GPM, 4–4,000m³/hr

Pioneer Prime vacuum prime assist pumps deliver extreme flows with high head capability and utilize our UltraPrime™ priming system. This advanced system is capable of rapid (50 CFM) unattended priming and run dry operation for the ultimate in remote operation.

- **Eliminate environmental concerns due to product spillage** — Our PosiValve™ stainless steel priming valve is specifically designed to eliminate product carryover.
- **Achieve better performance** — Large impeller eye areas with lower NPSHr characteristics allow for higher suction lift capability
- **Use less energy** — Optimized package design matches the vacuum prime assist pumps with engines

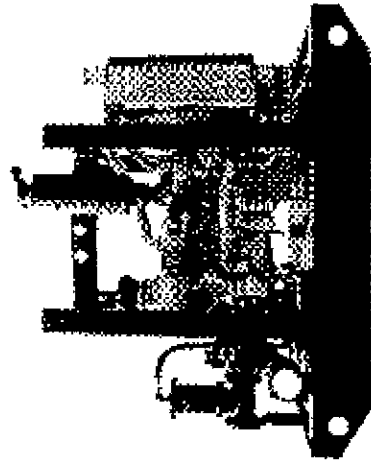
PUMPS PACKAGES MARKETS SERVICE & PARTS HOW TO BUY ABOUT
PIONEER QUICK LINKS

Pump Selector

Quickly find the Pioneer pump that meets your needs using this powerful tool

Request a Quote

Easily request a quote using this handy online form.



Select a Solids Handling Pump

MODEL	PUMP SIZE	MAX FLOW	MAX HEAD	MAX SOLID SIZE	PERFORMANCE CURVE
PP43Q75>	4" x 3"	550 GPM	180 FT	1.63"	quick view
PP44S8>	4" x 4"	1,600 GPM	120 FT	3.0"	quick view
PP44S8B>	4" x 4"	1,400 GPM	120 FT	2.0"	quick view
PP44S10>	4" x 4"	1,700 GPM	150 FT	3.0"	quick view
PP63S10>	6" x 6"	2,600 GPM	140 FT	3.0"	quick view
PP64S12>	6" x 4"	2,000 GPM	220 FT	3.0"	quick view
PP65S12>	6" x 6"	3,400 GPM	200 FT	3.0"	quick view

to use less horsepower and achieve higher performance.

- **Get a rental-ready package** — Robust skid with large integral fuel tank allows for extended run time.
- **Enjoy quiet operation** — Sound-attenuated packages available.
- **Increase flexibility** — Modular pumpset designs make it fast and easy to convert from trailer to skid

Pioneer Prime vacuum prime assist pumps are ideal for construction, industrial, municipal, agricultural, mining, paper mills, and oil and gas applications.

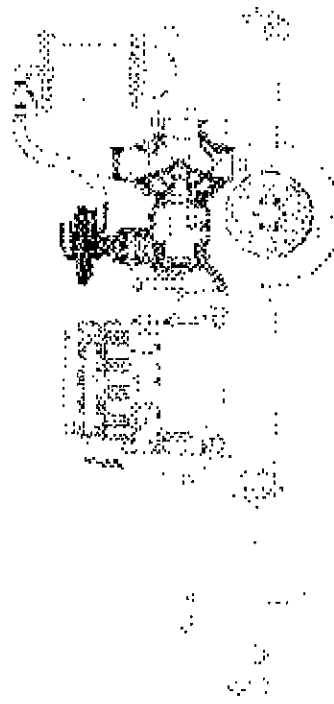
Request a quote now, or contact us for more information on our vacuum prime assist pumps.

PP88S12>	8" x 8"	4,500 GPM	200 FT	3.0"	<u>quick view</u>
PP88S14>	8" x 6"	3,600 GPM	300 FT	3.0"	<u>quick view</u>
PP64S17>	6" x 4"	3,000 GPM	500 FT	3.0"	<u>quick view</u>
PP88S17>	8" x 6"	5,400 GPM	450 FT	2.0"	<u>quick view</u>
PP108S17>	10" x 8"	6,500 GPM	450 FT	3.5"	<u>quick view</u>
PP1212S14>	12" x 12"	8,000 GPM	250 FT	2.3"	<u>quick view</u>
PP1212S17>	12" x 12"	9,500 GPM	325 FT	3.6"	<u>quick view</u>
PP1414S17>	14" x 14"	11,000 GPM	140 FT	4.0"	<u>quick view</u>
PP1818S22>	18" x 18"	18,000 GPM	210 FT	4.5"	<u>quick view</u>

Select a Clear Liquids Handling Pump

MODEL	PUMP SIZE	MAX FLOW	MAX HEAD	MAX SOLID SIZE	PERFORMANCE CURVE
PP425C75>	4" x 2.5"	540 GPM	250 FT	0.5"	<u>quick view</u>
PP43C75>	4" x 3"	650 GPM	250 FT	0.5"	<u>quick view</u>
PP44C75>	4" x 4"	900 GPM	250 FT	0.5"	<u>quick view</u>
PP54C75>	5" x 4"	1,300 GPM	250 FT	0.5"	<u>quick view</u>
PP425C10>	4" x 2.5"	500 GPM	490 FT	0.5"	<u>quick view</u>
PP43C10>	4" x 3"	800 GPM	490 FT	0.5"	<u>quick view</u>
PP64C10>	6" x 4"	1,200 GPM	480 FT		<u>quick view</u>
PP88C95>	8" x 5"	1,800 GPM	100 FT		<u>quick view</u>
PP88C10>	8" x 6"	2,000 GPM	130 FT		<u>quick view</u>
PP53C14>	5" x 3"	950 GPM	350 FT	0.75"	<u>quick view</u>
PP64C13>	6" x 4"	1,950 GPM	310 FT	0.75"	<u>quick view</u>
PP66C14>	6" x 6"	2,700 GPM	320 FT	1.0"	<u>quick view</u>
PP88C14>	8" x 6"	4,400 GPM	310 FT	1.0"	<u>quick view</u>
PP1010C14>	10" x 10"	6,000 GPM	310 FT	1.3"	<u>quick view</u>
PP63C17>	6" x 3"	900 GPM	525 FT	0.75"	<u>quick view</u>

DRY PRIME



PP64C17>	6" x 4"	1,700 GPM	525 FT	1.0"	quick view
PP86C17>	8" x 6"	4,500 GPM	500 FT	1.5"	quick view
PP86C17B>	8" x 6"	2,600 GPM	500 FT	1.0"	quick view
PP108C18>	10" x 8"	5,500 GPM	600 FT	1.25"	quick view
PP1212C17>	12" x 12"	11,000 GPM	300 FT	2.3"	quick view
PP43C21>	4" x 3"	750 GPM	800 FT	0.78"	quick view
PP64C21>	6" x 4"	1,300 GPM	800 FT	0.88"	quick view
PP86C21>	8" x 6"	4,000 GPM	650 FT	1.5"	quick view

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43 SHARE 83 COMMENT

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Opritz, Steve

From: Steve Dutnell [steve.dutnell@chk.com]
Sent: Wednesday, January 26, 2011 5:37 PM
To: Opritz, Steve
Subject: RE: Buell 8H Well Completion Plan

Steve,

See responses below.

From: Opritz, Steve [mailto:Steve.Opritz@dnr.state.oh.us]
Sent: Wednesday, January 26, 2011 2:03 PM
To: Steve Dutnell
Subject: RE: Buell 8H Well Completion Plan

Hello Steve,

Yes we received the well completion plan. Very well done. A couple of questions come to mind regarding the tanks at the pad site.

How many will be used for the actual frac of Buell 8H? A 150 frac tanks will be used to store water at the freshwater pad 150 tanks x 500 BBL/tank = 75,000 BBLs. The assumption is the gph will require about twice that volume.

Will heating be necessary? If so, will that be at the storage site or on location?

Freeze problems will be controlled by:

- heated tanks (internal hoses filled with heated glycol) that raises the temperature of the water at the well site,
- heater units that circulate water through truck mounted heat exchangers at the water storage site,
- simple circulation; and
- short residence times (due to pumping rates)

What do you mean by secondary containment with the flowback tanks? The flowback frac tanks will be parked at the well site within a temporary containment area constructed with 40 mil HDPE liner material draped over metal a-frames or plastic jersey barriers to create a berm. The temporary containment will contain water spills or leaks from the tanks.

I also received the revised application for Mangun 8H from Tai today. Work on the application is basically done and I expect the permit will go out next Monday. Thanks

Steve Opritz, Geologist

Ohio Department of Natural Resources

Division of Mineral Resources Management

2045 Morse Road, H-3

Columbus, OH 43229-6693

Phone:(614) 265-6442

Fax: (614) 265-7998

-----Original Message-----

From: Steve Dutnell [mailto:steve.dutnell@chk.com]
Sent: Wednesday, January 26, 2011 1:35 PM
To: Opritz, Steve
Subject: RE: Buell 8H Well Completion Plan

Steve

1/27/2011

I was just calling to see that you received the plan for completing the Buell 8H and discuss if you like.

Also, you should receive the Mangum 8H resubmit to include the Landowner Royalty list

I'm heading to a meeting at 1:00 CS?

Steve

From: Steve Dutnell

Sent: Wednesday, January 26, 2011 11:27 AM

To: Tugend, Thomas

Cc: 'Opritz, Steve'; 'Farnsworth, Brett'; Tal Oden; Randy Orsburn; Scott Krueger; Zachary Arnold; John Angiulli

Subject: Buell 8H Well Completion Plan

Thomas,

Per your request during our recent telephone discussion, please find attached Chesapeake plan to complete the Buell 8H well in Harrison County. My understanding is that the freshwater storage pad construction work is scheduled to begin this Friday January 29, 2010. I'll follow up this email with a telephone call to confirm you have received the plan.

Stephen L. Dutnell, P.E.

Asst Consulting

c/o Chesapeake Energy Corporation

6100 N. Western Avenue

Oklahoma City, OK 73118

Office: (405) 935-6619

Cell:(405) 323-8659

WELL COMPLETION RECORD (Form 8)

Ohio Department of Natural Resources
Division of Mineral Resources Management
2044 Morse Road, Bldg. H-3, Columbus, OH 43229-6693
Telephone: 614-265-6633 Fax: 614-265-7988

This record is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below.
Sign on reverse side (back), and return to our office within 30 days after expiration.



1. Owner #: 8705		3. API #: 34-067-2-1037-01-00	
2. Owner name, address and telephone numbers. OHIO BUCKEYE ENERGY LLC P.O. BOX 18498 OKLAHOMA CITY, OK 73154 (405) 925-4073		4. Type of Permit: PLUG BACK TO HORIZONTALLY DRILL	
5. County: HARRISON		6. Civil Township: ARCHER	
7. Footage: TARGET 2047'NL & 13'EL OF SEC. 9 SURFACE 1427'NL & 1783'WL OF SEC. 10		8. Type of Well: OIL & GAS	
9. X: 2418180 Y: 248562		21. Date drilling commenced: 1/19/2011	
10. Quad: JEWETT		22. Date drilling completed: 2/13/2011	
11. Section: 10 12. Lot:		23. Date put into production: 6/14/2011	
13. Fracture: 14. Ctr. Twp:		24. Date plugged if dry:	
15. Tract:		25. Producing formation: UTICA	
16. Acre:		26. Deepest formation: UTICA	
17. Well #: BUELL 88H		27. Driller's total depth: 15,228' (MD)	
18. Lease Name: NORTH AMERICAN COAL ROYALTY CO		28. Logger's total depth: N/A	
19. PTD: 8411 20. Drilling Unit: 177.4		29. Lost hole at: N/A feet	
30. Type of tools: ☐ Cable ☐ Air Rotary ☐ Fluid Rotary ☒ Air/Fluid Rotary ☐ Cable/Air Rotary ☐ Service Rig ☐ Cable/Fluid Rotary ☐ Cable/Air Rotary/Fluid Rotary		31. Type of completion: ☐ Open Hole ☒ Through Casing ☐ Slotted Liner	
32. Elevation: Ground Level 1,917' Derrick Floor 1,345' Kelly Bushing 1,345'		33. Perforated intervals and number of shots: (8,062' - 15,360') 1000 shots	
34. Name of Frac Company: Weatherford		35. Method of shot, acid, or fracture treatments, production tests, pressures, etc:	
SHOT: Use ☒ Gas ☒ Type ☒ Percent ☒		ACID: Gas ☒ Type ☒ Percent ☒	
FRAC FLUIDS: Water (gals) ☒ Water (bbl) 250,741 CO2 (tons) ☒ N2 (masc) ☒		SAND: Lbs 9,437,228 Sks ☒	
PRESSURES (psi): Breakdown 7,297 API 8,132 ISIP 6,195 5 min. SIP 5,777 Avg. Rate 81		METHOD OF FLUID CONTAINMENT ELUDES: PTD ☐ FRAC TANK ☒ Swab ☐ ☒ Flowback ☐ ☒	
DATE TREATED: 3/8/2011		36. Amount of initial production per day: Natural: Gas ☒ Oil ☒ Brine ☒ After Treatment: Gas 5,187 Oil 19 Brine 220 SERC Data: Number of Tanks 8 Maximum Storage Capacity of all Tanks (bbls.) 2400	
37. Casing and tubing used. Please indicate which is used (cement or mudlogging)			
Type	Sks	Feet Used in Drilling	Amount of Cement or Mud
Conductor/Drive Pipe:	20"		288 sks
Surface:	13 5/8"		322 sks
Intermediate:	9 5/8"		710 sks
Production:	5 1/2"		2833 sks
Tubing:			
Comments:			
38. Name of drilling contractor: NOMAC			
39. Type of electrical and/or radioactivity logs run: (all logs must be submitted) ARRAY INDUCTION COMPENSATED NEUTRON/LITHO-DENSITY			
40. Name of logging company: SCHLUMBERGER			
DIVISION USE ONLY			
Log Submitted: Y/N Confidential: Y/N		FRAC DATA SUBMITTED: Pressure/Rate Graph ☐ Record ☐ Invoice ☐	
		Well Class:	

FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or brine; indicate depth or interval	REMARKS
Freshwater Strata				
Glacial Deposits				
Coal Seams				
1st Cow Run				
Bull Run				
2nd Cow Run				
Salt Sand				
Maxton Sand				
Keener Sand				
Big Injun Sand	1053		Water @ 1200'	
Squaw Sand				
Mississippian Shale				
Wehr Sand				
Berea Sand	1563			
Bedford Shale				
Zinc Berea				
Ohio Shale	1601			
Gantz				
Thirty Foot				
Gordon				
Cinnamon				
Marcellus	4589		Gas show at 4570'	
Big Lime	4843			
Sylvania				
Oriskany				
Bass Island				
Salina	5115			
Salt Section				
Newburg				
Lockport	5884			
Little Lime				
Packer Shell	6573			
Stray Clinton				
Red Clinton				
White Clinton				
Medina				
Queenston	8748			
Utica	8235		Gas show 8250'	
Trenton				
Black River				
Gull River				
Glenwood Shale				
Knox Unconformity				
Beekmantown				
Rosa Run				
Trempealeau/Copper Ridge				
"B" Zone				
Krysik				
Kerbel				
Conasauga				
Rome				
Mt. Simon				
Granite Wash				
Middle Run				
Granite				
I certify that the above information is true and correct, to the best of my knowledge.				
<i>Bonnie Griggs</i>		8/18/2011		
(SIGNATURE)		(DATE)		
Bonnie Griggs		Regulatory Compliance Specialist		
(NAME typed or printed)		(TITLE)		
Ohio Buckeye Energy, LLC				
(REPRESENTING)				

WELL COMPLETION RECORD (Form B)

Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Road, Bldg. H-3, Columbus, OH 43229-6603
Telephone: 614-265-6633 Fax: 614-288-7858

This report is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below, sign on reverse side (Back) and return to our office within 30 days after expiration.



1. Owner #: 8705		3. API #: 34-087-2-1057-01-00																																				
2. Owner name, address and telephone numbers: OHIO BUCKEYE ENERGY LLC P.O. BOX 18486 OKLAHOMA CITY, OK 73154 (405) 935-4073		4. Type of Permit: PLUS BACK TO HORIZONTALLY DRILL																																				
5. County: HARRISON		6. Civil Township: ARCHER																																				
7. Footage: TARGET: 2047'NL & 13'BL OF SEC. 6 SURFACE: 1427'NL & 1785'WL OF SEC. 10																																						
8. Type of Well: OIL & GAS																																						
9. X: 2416130 Y: 248552		21. Date drilling commenced: 1/19/2011																																				
10. Quad: JFAFTY		22. Date drilling completed: 3/13/2011																																				
11. Section: 10 12. Twp: 12		23. Date put into production: 8/14/2011																																				
13. Fraction: 14. Civ. Twp:		24. Date plugged if dry:																																				
15. Tract:		25. Producing formation: UTICA																																				
16. Allst:		26. Deepest formation: UTICA																																				
17. Well #: BUELL #8H		27. Driller's total depth: 15,225' (MD)																																				
18. Lease Name: NORTH AMERICAN COAL ROYALTY CO		28. Logger's total depth: N/A																																				
19. PTD: 8411 20. Drilling Unit: 177.4		29. Lost hole or: N/A feet																																				
30. Type of tools: ☐ Cable ☐ Air Rotary ☐ Fluid Rotary ☒ Air/Fluid Rotary ☐ Cable/Air Rotary ☐ Service Rig ☐ Cable/Fluid Rotary ☐ Cable/Air Rotary/Fluid Rotary		31. Type of completion: 32. Elevation: ☐ Open Hole Ground Level 1,317' ☒ Through Casing Cement Floor 1,345' ☐ Natural Line Kelly Building 1,345'																																				
33. Perforated intervals and number of shots: (8.852' - 15.080') 1080 shots																																						
34. Name of Frac Company: Weptierco																																						
35. Method of shot, acid, or fracture treatments, production tests, pressures, etc. <table border="0"> <tr> <td>SHOT:</td> <td>ACID:</td> <td>FRAC FLUIDS:</td> <td>SAND</td> <td>PRESSURES (psi):</td> </tr> <tr> <td>Lbs. <u>X</u></td> <td>Gals. <u>X</u></td> <td>Water (gals) <u>X</u></td> <td>Lbs. <u>0,437,223</u></td> <td>Breakdown <u>7,287</u></td> </tr> <tr> <td>Qts. <u>X</u></td> <td>Type <u>X</u></td> <td>Water (bbl) <u>258,741</u></td> <td>Gals. <u>X</u></td> <td>ATP <u>8,132</u></td> </tr> <tr> <td>Type <u>X</u></td> <td>Percent <u>X</u></td> <td>CO2 (tons) <u>X</u></td> <td></td> <td>ISIP <u>6,185</u></td> </tr> <tr> <td></td> <td></td> <td>N2 (mcf) <u>X</u></td> <td></td> <td>5 min. SIP <u>5,777</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Avg. Rate <u>81</u></td> </tr> </table> METHOD OF FLUID CONTAINMENT FLUIDS: PIT: FRAC TANK: Seab ☐ ☒ Flowback ☐ ☒ DATE TREATED: 3/8/2011				SHOT:	ACID:	FRAC FLUIDS:	SAND	PRESSURES (psi):	Lbs. <u>X</u>	Gals. <u>X</u>	Water (gals) <u>X</u>	Lbs. <u>0,437,223</u>	Breakdown <u>7,287</u>	Qts. <u>X</u>	Type <u>X</u>	Water (bbl) <u>258,741</u>	Gals. <u>X</u>	ATP <u>8,132</u>	Type <u>X</u>	Percent <u>X</u>	CO2 (tons) <u>X</u>		ISIP <u>6,185</u>			N2 (mcf) <u>X</u>		5 min. SIP <u>5,777</u>					Avg. Rate <u>81</u>					
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				Avg. Rate <u>81</u>																																		
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38. Name of drilling contractor: NOMAC																																						
39. Type of electrical and/or radioactivity logs run. (all logs must be submitted) ARRAY INDUCTION; COMPENSATED NEUTRON/LITHO-DENSITY																																						
40. Name of logging company: SCHLUMBERGER																																						
DIVISION USE ONLY Log Submitted: Y / N Confidential: Y / N FRAC DATA SUBMITTED: Pressure/Rate Graph ☐ Record ☐ Invoice ☐ Well Class:																																						

FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or brine; indicate depth or interval	REMARKS			
Freshwater Strata							
Glacial Deposits							
Coal Seams							
1st Cow Run							
Buell Run							
2nd Cow Run							
Salt Sand							
Maxton Sand							
Keener Sand							
Big Injun Sand	1063		Water @ 1200'				
Squaw Sand							
Mississippi Shale							
Weir Sand							
Berea Sand	1663						
Bedford Shale							
2nd Berea							
Ohio Shale	1801						
Gantz							
Thirty Foot							
Gordon							
Cinnamon							
Marcellus	4589		Gas show at 4570'				
Big Lime	4643						
Sylvania							
Oriskany							
Base Island							
Salina	5115						
Salt Section							
Newburg							
Lockport	5864						
Little Lime							
Packer Shell	6573						
Stray Clinton							
Red Clinton							
White Clinton							
Medina							
Queenston	6748						
Ulica	8236		Gas show 8250'				
Trenton							
Black River							
Gull River							
Glenwood Shale							
Knox Unconformity							
Beekmantown							
Rose Run							
Trempealeau/Copper Ridge							
"B" Zone							
Kryslk							
Kerbel							
Conasauga							
Rome							
Mt. Simon							
Granite Wash							
Middle Run							
Granite							
I certify that the above information is true and correct, to the best of my knowledge:							
<i>Bonnie Griggs</i>		8/18/2011					
(SIGNATURE)		(DATE)					
Bonnie Griggs		Regulatory Compliance Specialist					
(NAME typed or printed)		(TITLE)					
Ohio Buckeye Energy, LLC							
(REPRESENTING)							

WELL COMPLETION RECORD (Form 8)

Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Road, Bldg. H-3, Columbus, OH 43229-6693
Telephone: 614-265-6533 Fax: 614-265-7966

This report is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below, sign on reverse side (Back) and return to our office within 30 days after expiration.

☐

1. Owner #: 8705		3. API #: 34-087-2-1057-01-00																															
2. Owner name, address and telephone numbers: OHIO BUCKEYE ENERGY LLC P.O. BOX 16498 OKLAHOMA CITY, OK 73154 (405) 935-4073		4. Type of Permit: PLUG BACK TO HORIZONTALLY DRILL																															
		5. County: HARRISON																															
		6. Civil Township: ARCHER																															
8. Type of Well: OIL & GAS		7. Footage: TARGET: 2047'NL & 13'EL OF SEC. 3 SURFACE: 1427'NL & 1788'NL OF SEC. 10																															
9. X: 2410130 Y: 243552		21. Date drilling commenced: 1/18/2011																															
10. Quad: JEWETT		22. Date drilling completed: 2/12/2011																															
11. Section: 10 12. Lot:		23. Date put into production: 6/14/2011																															
13. Fraction: 14. Ctr. Twp:		24. Date plugged if dry:																															
15. Tract:		25. Producing formation: UTICA																															
16. APOC:		26. Deepest formation: UTICA																															
17. Well #: 04111		27. Driller's total depth: 15,236' (MD)																															
18. Lease Name: NORTH AMERICAN COAL ROYALTY CO		28. Logger's total depth: N/A																															
19. PTD: 6411 20. Drilling Unit: 177.4		29. Lost hole ft: N/A feet																															
30. Type of tools: ☐ Cable ☐ Fluid Rotary ☐ Cable/Air Rotary ☐ Cable/Fluid Rotary		31. Type of completion: ☐ Open Hole ☒ Through Casing ☐ Slotted Liner																															
☐ Air Rotary ☒ Air/Fluid Rotary ☐ Service Rig ☐ Cable/Air Rotary/Fluid Rotary		32. Elevations: Ground Level: 1,317' Derrick Floor: 1,345' Kelly Bushing: 1,346'																															
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SHOT:	ACID:	FRAC FLUIDS:	SAND:	PRESSURES (psi):																													
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37. Casing and tubing record: Please indicate which is used (cement or grouting)																																	
Type	Size	Feet Used in Drilling	Amount of Cement or Mud																														
Conductor/Drive Pipe:	20"		238 sks																														
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Comments:																																	
38. Name of drilling contractor: NOMAC																																	
39. Type of electrical and/or radioactivity logs run (all logs must be submitted): ARRAY INDUCTION; COMPENSATED NEUTRON/LITHO-DENSITY																																	
40. Name of logging company: SCHLUMBERGER																																	
DIVISION USE ONLY																																	
Log Submitted: Y / N		Waf. Consat:																															
Confidential: Y / N		Pressure/Rate Graph ☐																															
		Record ☐																															
		Invoice ☐																															

FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or brine; indicate depth or interval	REMARKS
Freshwater Strata				
Glacial Deposits				
Coal Seams				
1st Cow Run				
Buell Run				
2nd Cow Run				
Salt Sand				
Maxton Sand				
Keener Sand				
Big Injun Sand	1053		Water @ 1200'	
Squaw Sand				
Mississippian Shale				
Weir Sand				
Berea Sand	1583			
Bedford Shale				
2nd Berea				
Ohio Shale	1601			
Gantz				
Thirty Foot				
Gordon				
Cinnamon				
Marcellus	4589		Gas show at 4570'	
Big Lime	4643			
Sylvania				
Oriskany				
Bass Island				
Salina	5115			
Salt Section				
Newburg				
Lockport	5384			
Little Lime				
Packer Shell	6573			
Gray Clinton				
Red Clinton				
White Clinton				
Medina				
Queenston	6749			
Ulica	8235		Gas show 8250'	
Trenton				
Black River				
Gull River				
Glenwood Shale				
Knox Unconformity				
Beekmantown				
Rose Run				
Trempealeau/Copper Ridge				
"B" Zone				
Krysak				
Kerbet				
Conasauga				
Rome				
Mt. Simon				
Granite Wash				
Middle Run				
Granite				

I certify that the above information is true and correct, to the best of my knowledge:

	8/11/2011
(SIGNATURE)	(DATE)
Bonnie Griggs	Regulatory Compliance Specialist
(NAME typed or printed)	(TITLE)
Ohio Buckeye Energy, LLC	
(REPRESENTING)	

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Schlumberger

Invoice Mailing Address: CHESAPEAKE OPERATING, INC. - FOR INVOICING ONLY (EDI)		Service Contract Number [REDACTED]	
[REDACTED]		Left District	Date: 10-Feb-2011 Time: 8:00 PM
		Arrive Location	Date: 11-Feb-2011 Time: 12:00 AM
		Start Job	Date: 11-Feb-2011 Time: 2:30 AM
		Complete Job	Date: 11-Feb-2011 Time: 8:35 AM
		Leave Location	Date: 11-Feb-2011 Time: 12:00 PM
		Arrived District	Date: 11-Feb-2011 Time: 11:00 PM
Customer PO		Service Description	
Contract		Contracting Primary, Primary Longshore	
User		TWR Have & Render KIMBERLY BUELL-RI	
Contract Ref		Contract Party/Client/Work/Storage Hartman	
Contractor or Authorized Representative		Sew./Province OH	
AP/Ref		S.B. Location Yarlor, OH	
Contractor Address		Legal Location	
Service Agreement		[REDACTED]	

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Products			
STB1000	SUGAR	800	EA
A231	Coben #10	20	EA
B244	Green-Coke 253	10	GA
BK21	Stentorix Extender	5252	LB
D031	Earley	180	CH
D046	Anticoin Agent, All Purpose	513	LB
D060	TIC Dispenser	450	LB
D201	Basic Cement Emitter	2185	LB
D207	General Purpose FLAC	1552	LB
D801	Cement, Class A	2534	CH
D670	MUDPUSH II Fresh Water Based Spacer	80	BBL
E220	Surfactant E220	80	GA
E208	Antifouling Agent	10	GA
D047	Anticoin Agent	20	GA
D081	Retarder, Liquid	50	GA
Services			
48010000	Back Unit, Cement Add Hr	8	HR
48020000	Pump, Cement Add Hr	8	HR
48021000	SB, Cement	3	EA
48031000	Cement Plug Container	1	JOB
49100000	Cement Bonding Charge	2055	CF
49102000	Transportation, Cement Ton-mile	30180	SA
59200002	Transportation, Mileage Heavy Vehicles	2480	MO
59200005	Transportation, Mileage Light Vehicles	1230	MO
D9870004	CostCAT Monitoring System	1	JOB
102476030	Service Supervision/Field Engineer	4	HR
102476031	Equipment Operation/Service Technician	7	HR
102671185	Pump, Casing Cement 15001-15800 lb	1	EA
102676100	Batch Meter, 51-100 lb	1	EA
102676100	Batch Meter, 51-100 lb Add Hr	4	HR
107136000	Drillbit Change, per job	1	JOB
107136100	Drilling EQUIPMENT AFTER job	1	EA

Date Printed: 07-Apr-2011 2:00 PM

This document is Confidential and intended for a authorized users only.

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Schlumberger

Invoice Mailing Address: CHESAPEAKE OPERATING, INC. - FOR INVOICING ONLY (EO)		Left District	Date: 10-Feb-2011	Time: 0:00 PM
		Arrive Location	Date: 11-Feb-2011	Time: 12:00 AM
		Start Job	Date: 11-Feb-2011	Time: 2:30 AM
		Complete Job	Date: 11-Feb-2011	Time: 9:33 AM
		Leave Location	Date: 11-Feb-2011	Time: 12:00 PM
		Arrived On/Off	Date: 11-Feb-2011	Time: 11:00 PM
Customer PO		Contract	Well Name & Number KIMBLE HULL 4H	
JPT		Customer	Doing From Overhaul/Workover	Wellhead/Well
Equipment or Equipment Features include		WLS Location	Log A Location	
APPROXIMATE COST		Product	NO	
Workover Description				

Estimated Discounted Total (USD):	
-----------------------------------	--

THE ESTIMATE CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.	
THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.	
Signature of Customer or Authorized Representative:	Signature of Schlumberger Representative:
_____	_____
Date	Date

Date Printed: 07-Apr-2011 2:36 PM

This document is Confidential and Excluded from public release.

Page 2 of 3



Regulatory Department

August 18, 2011

Mr. Steve Opritza
Ohio Department of Natural Resources
2045 Morse Road, Building H-3
Columbus, OH 43229-6693

RE: North American Coal Royalty Co. Buell #8H - API 34-067-2-1057-01-00)
Horizontal Final Completion Report (Form 8)

Dear Mr. Opritza:

Ohio Buckeye Energy, L.L.C. submits the enclosed *Horizontal Final Well Completion Record* (Form 8) for the North American Coal Royalty Co. Buell #8H well located in Harrison County, Ohio. The package contains the following:

- 1 original and 1 copy of signed Well Completion Record (Form 8);
- 1 job summary sheet showing volumes, types of fluids, proppant, rates and pressures of frac job;
- Pressure rate graph;
- Invoice detailing frac job;
- Copy of cementing ticket for production casing; and
- 1 original letter requesting 1 year confidentiality on electric logs.

Please feel free to contact us if you have any questions.

Sincerely,

Ohio Buckeye Energy, L.L.C.

A handwritten signature in cursive script that reads "Bonnie Griggs".

Bonnie Griggs
Regulatory Compliance Specialist

Enclosures



Regulatory Department

August 18, 2011

Mr. Steve Opritza
Ohio Department of Natural Resources
2045 Morse Road, Building H-3
Columbus, OH 43229-6693

RE: Confidential Electric Log Filing;
North American Royalty Co. Buell #8H
(API 34-067-2-1057-01-00)

Dear Mr. Opritza:

Ohio Buckeye Energy, L.L.C. would like to request confidentiality for one (1) year on all electric logs for the above referenced well because of propriety information that if released prematurely could jeopardize future operations.

Please feel free to contact us if you have any questions.

Sincerely,

Ohio Buckeye Energy, L. L. C.

A handwritten signature in cursive script that reads "Bonnie Griggs".

Bonnie Griggs
Regulatory Compliance Specialist

Enclosures

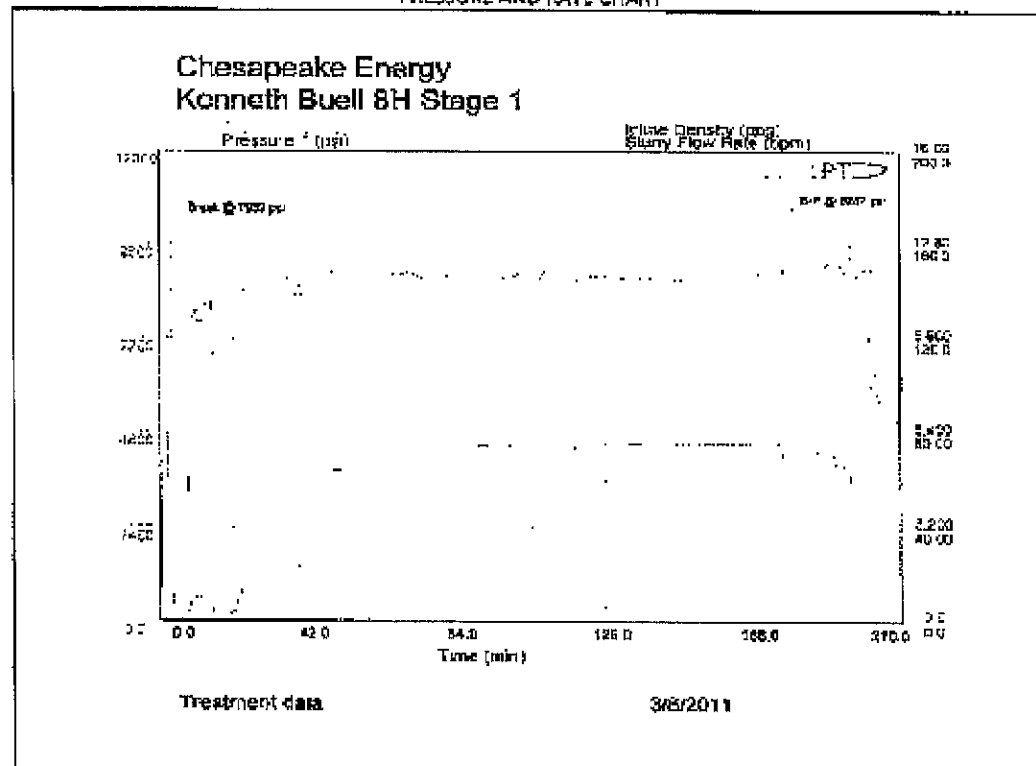
Chesapeake Energy Corporation
P.O. Box 16496 • Oklahoma City, OK 73154-0496 • 8100 N. Western Avenue • Oklahoma City, OK 73116
405.842.8000

CHESAPEAKE ENERGY CORPORATION			
ODNR FRAC INFORMATION SHEET			
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	1	LONG	-81.0195696

PRESSURES, PSI	MIN	8,590	RATES, BPM	MIN	63.8
	MAX	9,199		MAX	75.5
	AVERAGE	8,807		AVERAGE	73.4
	ISIP	6,287	FRAC FLUID TYPE, bbl/s	Clean	11,215
	5 MIN	5,021		Slurry	11,800
	10 MIN	4,851		Slickwater	9,924
	15 MIN	4,766		Gel	1,291

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	162,472
30/50	324,713
30/50 Resin	26,990
	514,175

PRESSURE AND RATE CHART



SHIP TO: **██████████**
WELL: 8H
LEASE: BUELL
UNITED STATES



Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALE
ONE WEATHERFORD BLVD
BUCKINGHAM WV 26201
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: **██████████** SEQ: 1
INVOICE DATE: 03/12/11
BILLING PERIOD FROM: MAR 07 2011 TO: MAR 30 2011
DAY EVERY TICKET: **██████████**
PREPARED BY: **██████████**
JOB NUMBER: STAGE 1 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 07 2011
ORDER NUMBER: **██████████**
INVOICE NUMBER: PDC # 4075

CUSTOMER: **██████████**
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18488
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY GAL	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	UNIT	GROSS AMOUNT	TAXES DUES	EXTENDED AMOUNT	DATE
1	500 GAL		INHIBITOR, WAK-251LC CATIONIC 1000 SS	MAR 07 2011					N PST: N
2	25.00 GAL		IRON CONTROL, WAK-6411 SPOURST ERANT	MAR 07 2011					N PST: N
3	476.00 GAL		CLAY CONTROL, WAK-251LC	MAR 07 2011					N PST: N
4	407.00 GAL		SURFACTANT, WAK-452LN	MAR 07 2011					N PST: N
5	261.00 GAL		FRACTION REDUCER WAK-500LV(S)	MAR 07 2011					N PST: N
6	250.00 GAL		GELLING AGENT, WAK-100	MAR 07 2011					N PST: N
7	42.00 GAL		CROSSLINK CONTROL, WAK-100, 50 PNTS DOWDED	MAR 07 2011					N PST: N
8	10.00 GAL		CROSSLINK CONTROL, WAK-100, 50 RATE	MAR 07 2011					N PST: N
9	81.00 GAL		PH ADJUSTING AGENT, WAK-50AL	MAR 07 2011					N PST: N
10	170.00 LB		BREAKER, WAK-104	MAR 07 2011					N PST: N
11	42.00 GAL		BREAKER, WAK-100L ACTIVATION	MAR 07 2011					N PST: N
12	70.00 LB		BREAKER, WAK-133	MAR 07 2011					N PST: N
13	500.00 GAL		ACID, HYDROCHLORIC, 16 PPT	MAR 07 2011					N PST: N

INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/12/11

LINE NO.	QTY	UNIT	ITEM NUMBER	DESCRIPTION	SHIP RETURN	QTY	UNIT	PRICE AMOUNT	DISC %	EXTENDED AMOUNT	TAX
14	102472.40	LB	[REDACTED]	FLUID LOSS AGENT, WFL-101, 300 MESH, BULK	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	324713.00	LB	[REDACTED]	PROP. PREMIUM, 3050	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	20960.00	LB	[REDACTED]	RESIN COATED PROP, SUPER LO, 3 050	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	25700.75	EA	[REDACTED]	DELIVERY CHARGE, PROPHANT	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00	EA	[REDACTED]	CHARGE, PUMPING, 5 GA/H	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00	EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00	EA	[REDACTED]	EQUIPMENT TO PUMP UNBARGE	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
 Rec: Weatherford
 AFB Allocation ID/Prop.
 Delivery Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

REMIT TO: [REDACTED] TAX: INVOICE NUMBER: DATE: 03/12/11	SUB TOTAL: (USD) TAX: (USD) TOTAL: (USD)
--	--

Weatherford (USA) INC. warrants that any material, device or software of Weatherford International, Inc. will provide the requested equipment, materials or services to its customers. Such provision shall be governed by the terms and conditions of the current weatherford master service agreement between the parties. It is agreed that there is no express warranty by weatherford, weatherford's agents and licensors, a copy of which can be found at www.weatherford.com/mssa as applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.
 RELEASED BY: [REDACTED] 03/12/11 10:05:10 AM 8 7734127X

SHIP TO: [REDACTED]
 WEILL: RH
 LEASE: BUELL
 UNITED STATES

Weatherford
 BRANCH PLANT: 33110
 WEATHERFORD ALS
 ONE WEATHERFORD BLVD
 BUCKHANNON WV 26201
 UNITED STATES

PH:
 FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ. 1
 INVOICE DATE: 03/15/11
 BILLING PERIOD FROM: MAR 03 2011 TO: MAR 11 2011
 DELIVERY TICKET: [REDACTED]
 PREPARED BY:
 JOB NUMBER: STAGE 2 OF 1
 ORDER DATE: FEB 21 2011
 SHIPPING DATE: MAR 03 2011
 ORDER NUMBER:
 SNODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
 CHESAPEAKE ENERGY MARKETING INC
 P O BOX 16485
 OKLAHOMA CITY OK 73154
 UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER / REF NUMBER	DESCRIPTION	DATE / RETURN	QTY UOM	GROSS AMOUNT	BLIND CHG \$	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAG-25110 CATIONIC 1.555 SG	MAR 03 2011					N PST: N
2	50.00 GL		IRON CONTROL, WAG-6411 SEDIMENT ERANT	MAR 03 2011					N PST: N
3	825.00 GL		CLAY CONTROL, WAG-6111C	MAR 03 2011					N PST: N
4	872.00 GL		SURFACTANT, WAG-7551N	MAR 03 2011					N PST: N
5	770.00 GL		FRICTION REDUCER, WAG-6511N	MAR 03 2011					N PST: N
6	1155.00 GL		GELLING AGENT, WAG-6111C	MAR 03 2011					N PST: N
7	72.00 GL		CROSSLINK CONTROL, WAG-1511C 1.555 SG	MAR 03 2011					N PST: N
8	48.00 GL		CROSSLINK CONTROL, WAG-1511C 1.555 SG	MAR 03 2011					N PST: N
9	75.00 GL		WAG-6111C GELLING AGENT, WAG-6111C	MAR 03 2011					N PST: N
10	120.00 LB		BREAKER, WAG-134	MAR 03 2011					N PST: N
11	90.00 GL		BREAKER, WAG-136L ACTIVATOR	MAR 03 2011					N PST: N
12	120.00 LB		BREAKER, WAG-135	MAR 03 2011					N PST: N
13	8000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 03 2011					N PST: N



CRIMINAL

PAGE 2 of 2
DATE: 03/15/11

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

Weatherford is an equal opportunity employer. The men or women of Weatherford International, Inc. will provide the requested information and make the appropriate disclosures. Each candidate shall be provided the terms and conditions of the offered position prior to any agreement; however, the parties to any such agreement shall be bound by the terms and conditions of the offer. Weatherford is an equal opportunity employer. In case of which our focus is on the weatherford candidate shall be provided the terms and conditions of the offered position prior to any agreement; however, the parties to any such agreement shall be bound by the terms and conditions of the offer. In case of which our focus is on the weatherford candidate shall be provided the terms and conditions of the offered position prior to any agreement; however, the parties to any such agreement shall be bound by the terms and conditions of the offer.

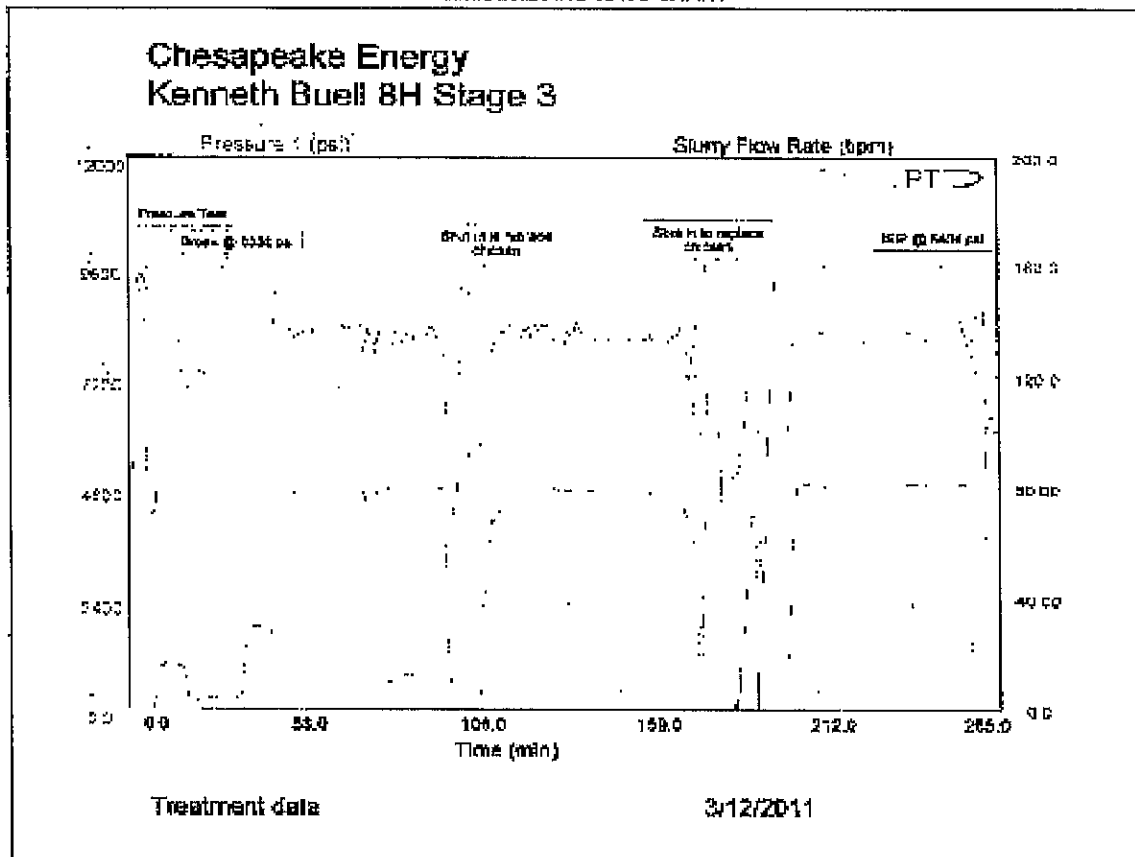
**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	3	LONG	-81.0195696

PRESSURES, PSI	MIN	N/A	RATES, BPM	MIN	N/A
	MAX	9,030		MAX	82.3
	AVERAGE	8,076		AVERAGE	73.9
	ISIP	6,404	FRAC FLUID TYPE, bbls	Clean	14,318
	5 MIN	6,244		Slurry	14,916
	10 MIN	6,172		Slickwater	13,368
	15 MIN	6,090		X-link	950

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	160,757
30/50	336,300
30/50 Resin	48,501
	545,558

PRESSURE AND RATE CHART



SHIP TO: [REDACTED]
WELL: 84
LEASE: BUELL
UNITED STATES



Weatherford

BRANCH PLANT: 8810
WEATHERFORD, ALA
ONE WEATHERFORD BLVD
BUCKINGHAM, VA 28201
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/15/11
BILLING PERIOD FROM: MAR 11 2011 TO: MAR 12 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 3 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 11 2011
ORDER NUMBER: [REDACTED]
CROSS REF ID: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18486
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER REFERENCE	DESCRIPTION	SHIP DATE	STY UNIT	GROSS AMOUNT	SURCH. DISC %	EXTENDED AMOUNT	TAX
1	10.00 GL	[REDACTED]	INHIBITOR, NON-25% LC CATIONIC 1.555 SG	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	50.00 GL	[REDACTED]	IRON OXIDE, W/O-BIT, SQUEEZE BRANT	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	645.00 GL	[REDACTED]	CLAY CONTROL, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	475.00 GL	[REDACTED]	SURFACTANT, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	570.00 GL	[REDACTED]	FRACTION REDUCER, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	450.00 GL	[REDACTED]	GELLING AGENT, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	41.00 GL	[REDACTED]	CROSSLINK CONTROL, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	32.00 GL	[REDACTED]	CROSSLINK CONTROL, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	62.00 GL	[REDACTED]	OH SOLIDIFYING AGENT, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	50.00 LB	[REDACTED]	BREAKER, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	54.00 GL	[REDACTED]	BREAKER, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	25.00 LB	[REDACTED]	BREAKER, W/O-BIT-10% LC	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	6000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PST	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

DO NOT MAIL PA
ELECTRONIC TRANSACTION ONLY



ORIGINAL

PAGE 242
DATE: 03/25/11

[illegible]

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	4	LONG	-81.0195696

PRESSURES, PSI	MIN	7,680
	MAX	9,145
	AVERAGE	8,402
	ISIP	6,376
	5 MIN	6,052
	10 MIN	5,975
	15 MIN	5,888

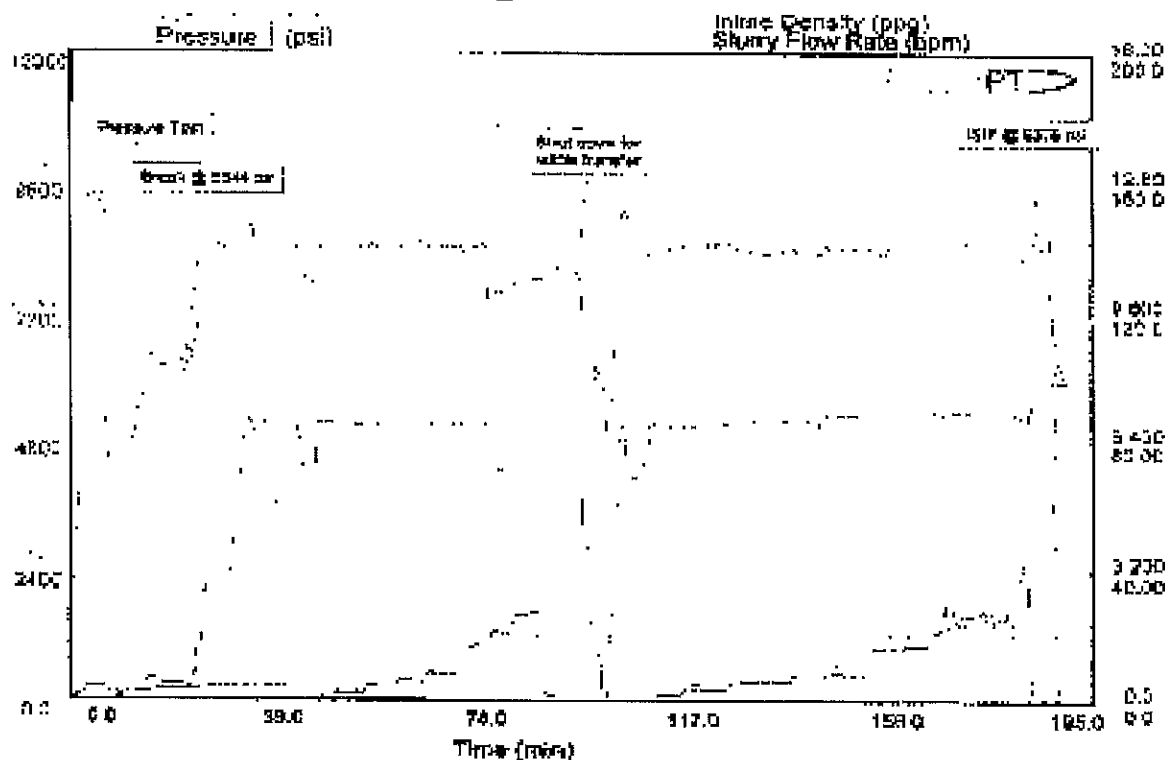
RATES, BPM	MIN	68.5
	MAX	93.4
	AVERAGE	86.7

FRAC FLUID TYPE, bbls	Clean	12,503
	Slurry	13,065
	Slickwater	11,351
	Gel	1,152

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	160,923
30/50	326,902
30/50 Resin	33,826
	521,651

PRESSURE AND RATE CHART

**Chesapeake Energy
Kenneth Buell 8H Stage 4**



Treatment data

3/13/2011

SHIP TO:
WELL: 6H
LEASE: BUELL
UNITED STATES

Weatherford
BRANCH PLANT: 33110
WEATHERFORD ALE
ONE WEATHERFORD BLVD
BUCAMANNON WV 26201
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

PH:
FX:

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/15/11
DELIVERY PERIOD FROM: MAR 12 2011 TO: MAR 13 2011
DELIVERY TICKET:
PREPARED BY:
JOB NUMBER: STAGE 4 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 12 2011
ORDER NUMBER:
INVOICE NUMBER: [REDACTED]

CUSTOMER:
CHESAPEAKE ENERGY MARKETING INC
P O BOX 12486
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY	UNIT	ITEM NUMBER	DESCRIPTION	DATE	UNIT PRICE	AMOUNT	TAXES	EXTENDED AMOUNT	TAX
1	10.00	GL		IN-BETTER, 404-25, 10 CATHODIC	MAR 12 2011					N
				1,055.00						PST: N
2	50.00	GL		IRON CONTROL, W/C-BILL REQUEST	MAR 12 2011					N
				ERRAT						PST: N
3	103.00	GL		CLAY CONTROL, W/C-BILL	MAR 12 2011					N
										PST: N
4	450.00	GL		SURFACTANT, W/C-BILL	MAR 12 2011					N
										PST: N
5	114.00	GL		FRUCTION REDUCER, W/C-BILL	MAR 12 2011					N
										PST: N
6	500.00	GL		GELLING AGENT, W/C-BILL	MAR 12 2011					N
										PST: N
7	10.00	GL		CROSSLINK CONTROL, W/C-BILL	MAR 12 2011					N
				DATE 12-2011						PST: N
8	50.00	GL		CROSSLINK CONTROL, W/C-BILL	MAR 12 2011					N
				DATE 12-2011						PST: N
9	175.00	GL		DE-EMULSIFYING AGENT, W/C-BILL	MAR 12 2011					N
										PST: N
10	60.00	LB		BREAKER, W/C-BILL	MAR 12 2011					N
										PST: N
11	50.00	GL		BREAKER, W/C-BILL, ACTIVATOR	MAR 12 2011					N
										PST: N
12	60.00	LB		BREAKER, W/C-BILL	MAR 12 2011					N
										PST: N
13	1000.00	GL		ACID, HYDROCHLORIC, 15 PCT	MAR 12 2011					N
										PST: N

INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/15/11

UNIT NO.	QTY UOM	ITEM NUMBER PSE NUMBER	DESCRIPTION	SHIP RETURN	QTY BMT	UNIT PRICE AMOUNT	FLUOR COST %	EXTENDED AMOUNT	TAX
14	145623.00 LB		FLUOR LOSS AGENT WCL 131.00 WBS-4 BULK	MAR 12 2011					N PST: N
15	323802.00 LB		PROP. PREMIUM, 3050	MAR 12 2011					N PST: N
16	33834.00 LB		MESIN-COATED PROP, SUPER LD 2 G50	MAR 12 2011					N PST: N
17	25042.86 EA		DELIVERY CHARGE, PROPPANT	MAR 12 2011					N PST: N
18	1.00 EA		CHARGE, PUMPING, STAGE	MAR 12 2011					N PST: N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 12 2011					N PST: N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 12 2011					N PST: N
EDI Information Requester Name AFE #/Location ID/Prop. Delivery Work Ticket #				Attention To	DEFAULT				
EDI TRANSACTION FYI ONLY DO NOT MAIL PAYMENT									
TERMS NET-30					SUBTOTAL (USD)				
TAX					TAX (USD)				
REFERENCE NUMBERS					TOTAL (USD)				
DATE		002344111 03/15/11							

Weatherford (and its direct or indirect subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the contract applicable under the service agreement between the parties. In the event the terms and conditions of such service agreement (Weatherford's standard terms and conditions), a copy of which can be found at www.weatherford.com/etd, shall be applicable to the provision of such equipment, materials or services. If paper copy of these standard terms and conditions will be provided to the customer, please review them carefully. Weatherford (and its direct or indirect subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the contract applicable under the service agreement between the parties. In the event the terms and conditions of such service agreement (Weatherford's standard terms and conditions), a copy of which can be found at www.weatherford.com/etd, shall be applicable to the provision of such equipment, materials or services. If paper copy of these standard terms and conditions will be provided to the customer, please review them carefully.

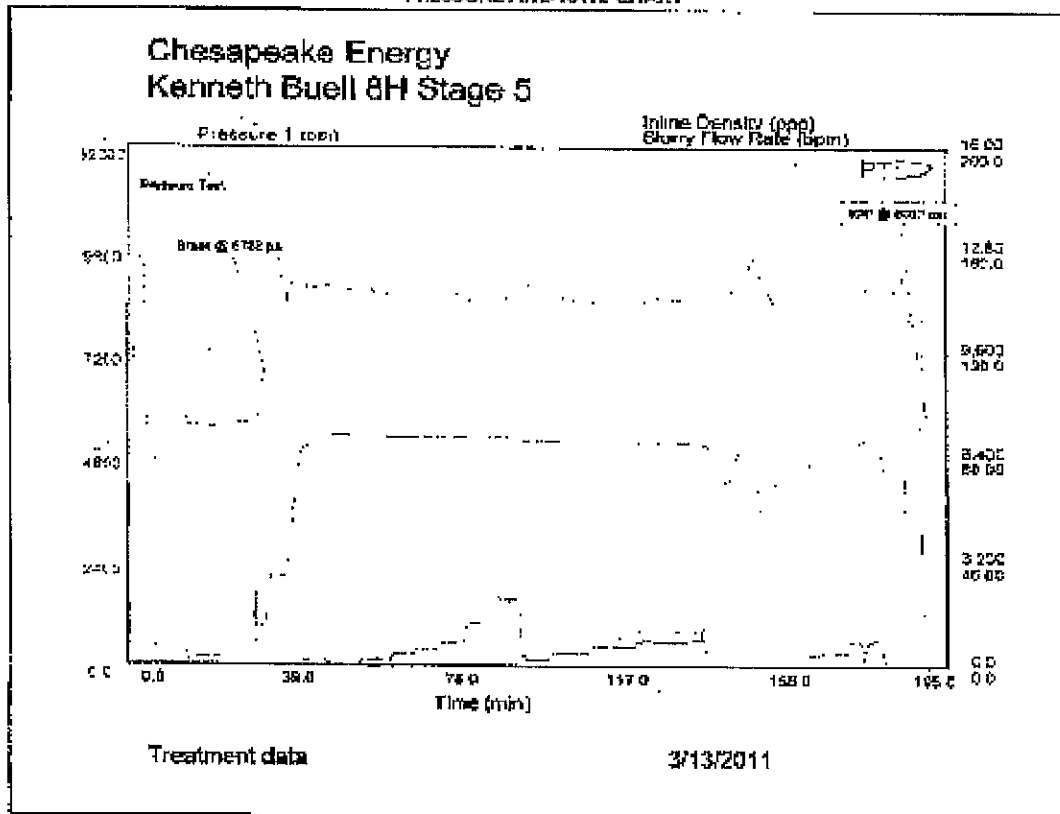
**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	5	LONG	-81.0195696

PRESSURES, PSI	MIN	8,227	RATES, BPM	MIN	58.7
	MAX	9,499		MAX	88
	AVERAGE	8,004		AVERAGE	83
	ISIP	6,007	FRAC FLUID TYPE, bbls	Clear	12,429
	5 MIN	5,506		Slurry	12,878
	10 MIN	5,395		Slickwater	11,900
	15 MIN	5,293		Gel	529

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	159,947
30/50	171,655
30/50 Resin	-
	331,602

PRESSURE AND RATE CHART





ORIGINAL

Weatherford

INVOICE NUMBER

第 1

HYPOCENITE

337571

WILLIAM PERDUE FORD:

MAR 13 2011 TO: MAR 13 2011

DELIVERY TICKET:

附錄 1

308 NUMBER

PAGE 50 OF 12

ORDER DATE:

2018年2月21日

SHIPPING DATE:

日期 12/20/11

• **PROBABLE IN LITERATURE:**

FINCHES: KILLER BIRDS

PM:

FI:

LINE NO.	QTY LBS	ITEM NUMBER AND NAME	DESCRIPTION	SERV DATE	QTY LBS	SENDER AMOUNT	BLK CHK %	EXTENDED AMOUNT	YAG
1	10.00 GL		IRON TOP, WKS-25 (LO CATRONIC 1055 SO	MAR 13 2011					N PST: N
2	50.00 GL		IRON CONTROL, WKS-24 (L SECUREST BRANT	MAR 13 2011					N PST: N
3	654.00 GL		CLAY CONTROL, WKS-24 (L	MAR 13 2011					N PST: N
4	244.00 GL		SURFACTANT, WKS-22 (L	MAR 13 2011					N PST: N
5	301.00 GL		FLOTATION REDUCER, WKS-24 (W)	MAR 13 2011					N PST: N
6	261.00 GL		GELLING AGENT, WKS-24 (L	MAR 13 2011					N PST: N
7	31.00 GL		CROSSLINK CONDITIONER, WKS-24 (L BATH, DE-24 (L	MAR 13 2011					N PST: N
8	20.00 GL		CROSSLINK CONTROL, WKS-24 (L BATH	MAR 13 2011					N PST: N
9	30.00 GL		DE-24 (L GELLING AGENT, WKS-24 (L	MAR 13 2011					N PST: N
10	50.00 LB		BREAKER, WKS-24 (L	MAR 13 2011					N PST: N
11	61.00 GL		BREAKER, WKS-24 (L ACTIVATOR	MAR 13 2011					N PST: N
12	50.00 LB		BREAKER, WKS-24 (L	MAR 13 2011					N PST: N
13	5001.00 GL		ACID, HYDROCHLORIC, 10 PPT	MAR 13 2011					N PST: N

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/15/11

LINE NO.	QTY UOM	ITEM NUMBER / ACT NUMBER	DESCRIPTION	DATE RECEIVED	QTY UNIT	GROSS AMOUNT	TAXES	EXTENDED AMOUNT	TAXES
14	185947.00 LB	[REDACTED]	FLUID LOSS AGENT, WFL-104, 400 MESH, BULK	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	171035.00 LB	[REDACTED]	PROP, FINE V LUM, 3250	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	15500.10 EA	[REDACTED]	DELIVERY CHARGE, PROPANT	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
EDI Information Requester Name A/E & Location Delivery Method Attention To DEFAULT									
TO: [REDACTED] FROM: [REDACTED] DATE: 03/15/11 SUBTOTAL (USD) TAX (USD) TOTAL (USD)									

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

Weatherford International, a subsidiary, is a wholly owned subsidiary of Weatherford International, Inc., we provide the services equipment, materials or services to the customer. Such payment shall be governed by the standard conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/terms, shall be applicable to the purchase of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided to you upon your next request.)
Copyright © 2008 Weatherford International, Inc. All rights reserved. WFL-104, 400 MESH, BULK, 171035, 3250, 15500.10, 1.00, 1.00, 1.00

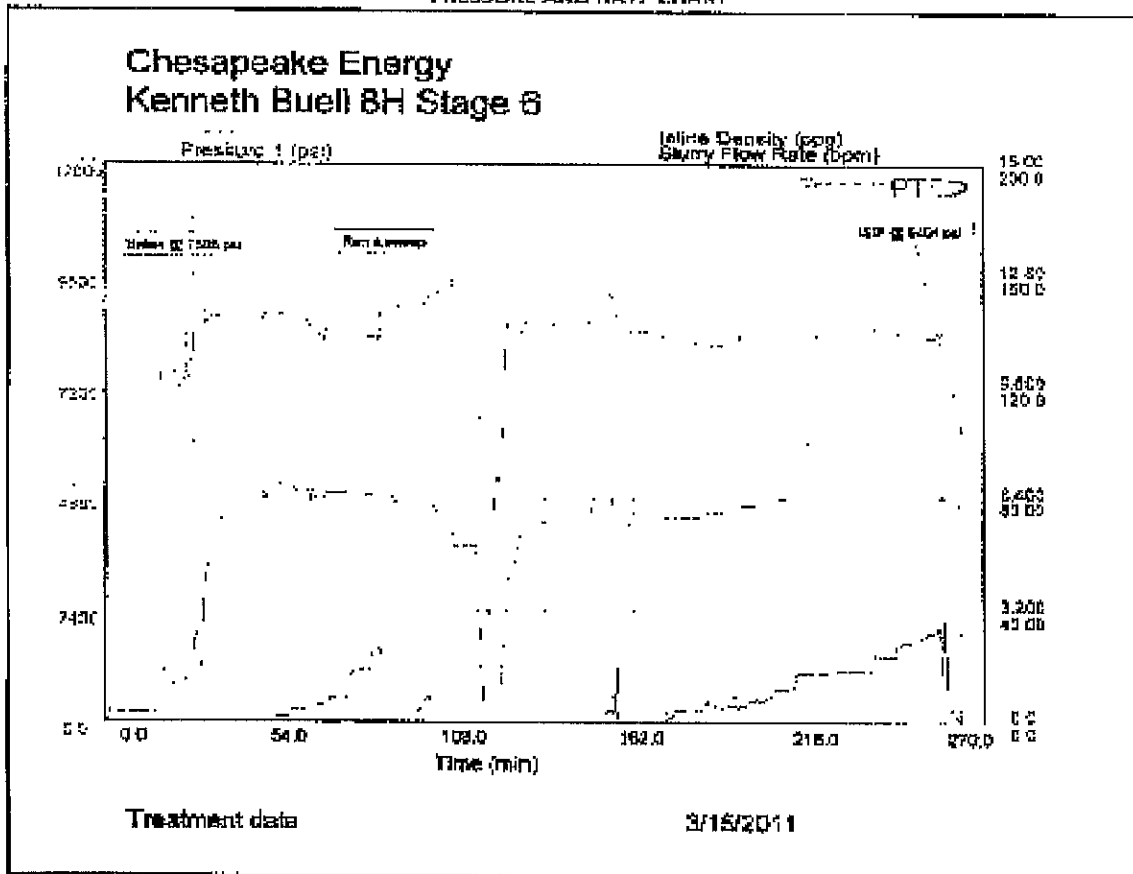
**CHESAPEAKE ENERGY CORPORATION
GOMR FRAC INFORMATION SHEET**

Kenneth Buell BH			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	6	LONG	-81.0195696

PRESSURES, PSI	MIN	8,029	RATES, BPM	MIN	61.2
	MAX	9,333		MAX	81.9
	AVERAGE	8,352		AVERAGE	77.4
	ISIP	6,404	FRAC FLUID TYPE, bbls	Clean	17,026
	5 MIN	5,992		Slurry	17,604
	10 MIN	5,856		Slickwater	14,925
	15 MIN	5,700		Gel	2,101

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	155,636
30/50	324,819
30/50 Resin	56,726
	537,181

PRESSURE AND RATE CHART



SHIP TO:
WELL: 8H
LEASE: BUELL
UNITED STATES

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALE
ONE WEATHERFORD BLVD
BUCKHANNON, WV 25201
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

SERVICE NUMBER: [REDACTED] SER: 1
INVOICE DATE: 03/16/11
BILLING PERIOD FROM: MAR 13 2011 TO: MAR 14 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 1 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 13 2011
ORDER NUMBER: [REDACTED]
ENCODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 16488
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY LBS	ITEM NUMBER DESCRIPTION	SHIP DATE	UNIT	GROSS AMOUNT	NET AMOUNT	TAX
1	10.00 GL	INHERITOR, WAC-251LC EXTENSION 1.045 00	MAR 13 2011				N PST: N
2	50.00 GL	IRON CONTROL, WAC-411L SQUEEZE ERAMIT	MAR 13 2011				N PST: N
3	751.00 GL	CLAY CONTROL, WAC-421LC	MAR 13 2011				N PST: N
4	745.00 GL	SURFACTANT, WAC-321LN	MAR 13 2011				N PST: N
5	751.00 GL	FRICTION REDUCER, WFR-421LC	MAR 13 2011				N PST: N
6	1000.00 GL	GELLING AGENT, WGA-421LC	MAR 13 2011				N PST: N
7	81.00 GL	CROSS-LINK CONTROL, WCL-121LC RATE	MAR 13 2011				N PST: N
8	84.00 GL	CROSS-LINK CONTROL, WCL-121LC RATE	MAR 13 2011				N PST: N
9	420.00 GL	GELLING AGENT, WGA-421LC	MAR 13 2011				N PST: N
10	100.00 LB	BREAKER, WBC-121	MAR 13 2011				N PST: N
11	172.00 LB	BREAKER, WBC-121L ACTIVATOR	MAR 13 2011				N PST: N
12	150.00 LB	BREAKER, WBC-121	MAR 13 2011				N PST: N
13	2000.00 GL	ACID, HYDROCHLORIC, 15% ⁺	MAR 13 2011				N PST: N

WEATHERFORD ALE - 33110 - WAC-251LC EXTENSION (1) 1.045 00 (1) 10.00 GL (1) 10.00 GL (1) 50.00 GL (1) 751.00 GL (1) 745.00 GL (1) 751.00 GL (1) 1000.00 GL (1) 81.00 GL (1) 84.00 GL (1) 420.00 GL (1) 100.00 LB (1) 172.00 LB (1) 150.00 LB (1) 2000.00 GL

100



ORIGINAL

PAGE 2 of 2

DATE: 03/15/11

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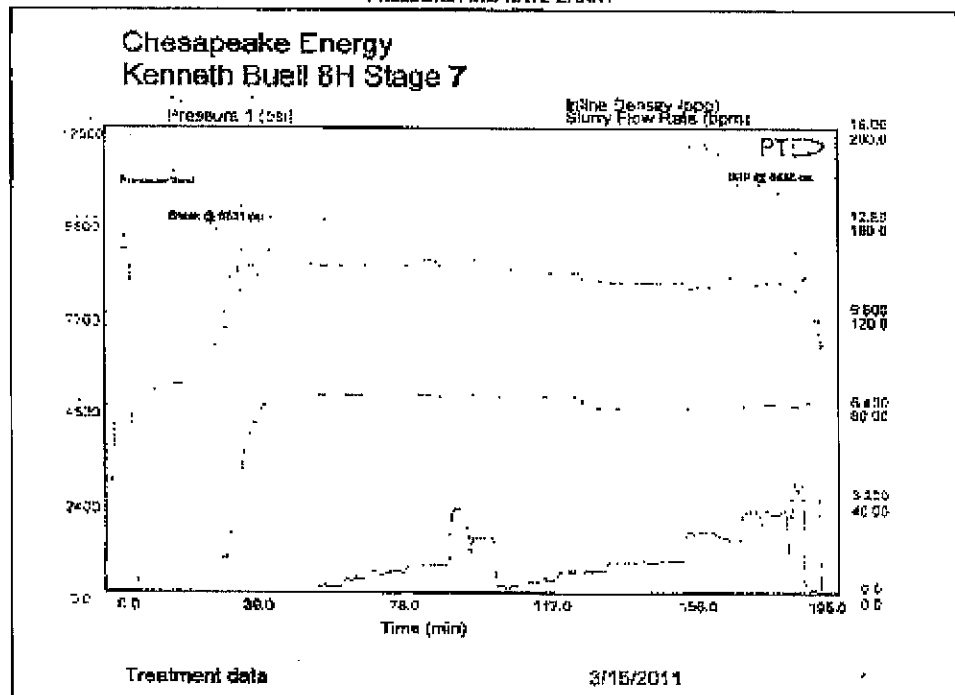
**CHESAPEAKE ENERGY CORPORATION
GOMR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	7	LONG	-81.0195696

PRESSURES, PSI	MIN	7,670	RATES, BPM	MIN	78.5
	MAX	8,650		MAX	85.5
	AVERAGE	8,193		AVERAGE	82.2
	ISIP	6,488	FRAC FLUID TYPE, bbls	Clean	12,313
	5 MIN	6,208		Slurry	12,885
10 MIN	6,107	Slickwater		10,762	
15 MIN	6,022				

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	155,347
30/50	340,336
30/50 Resin	35,857
	531,540

PRESSURE AND RATE CHART





Wiederentford

BRANCH PLANT: 3910
WEATHERFORD ALE
ONE WEATHERFORD BLVD
BUCKINGHAM WV 25201
UNITED STATES

**THE
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INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER:

INVOICE DATE

REPORT PERIOD FROM: MAR 14 2011 TO: MAR 15 2011

DELIVERY TICKET

PROF. DR. RICHARD M. BRY

JOHN LUNN BEE

● 同是肥田 却大不同：

SHIPPING DATA

OFFER NUMBER:

INDEX OF AUTHORS

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18498
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NAME & REF NUMBER	DESCRIPTION	ENTRY RETURN	QTY UNIT	CROSS CURRENT	PRO PCT	EXTENDED AMOUNT	TAX
1	10.00 GL		INSECTOR, MW 2510 CATION G 1063 SG	MAR 14 2011					N ST: N
2	50.00 GL		IRON CONTROL, WPC-BK16 REQUEST BRANT	MAR 14 2011					N ST: N
3	537.00 SS		CLAY CONTROL, WPC-631 LG	MAR 14 2011					N ST: N
4	514.00 GL		SURFACTANT, WPC-232LN	MAR 14 2011					N ST: N
5	651.00 GL		PROCTION REDUCER, WPC-651LN	MAR 14 2011					N ST: N
6	475.00 GL		GELLING AGENT, WPC-475 LN	MAR 14 2011					N ST: N
7	61.00 GL		CROSS-LINK CONTROL, WPC-61 NO 1015 CATION G	MAR 14 2011					N ST: N
8	44.00 GL		DROSS-LINK CONTROL, WPC-44 LG	MAR 14 2011					N ST: N
9	32.00 GL		EMULSIFYING AGENT, WPC-32-L	MAR 14 2011					N ST: N
10	57.00 LB		BREAKER, WPC-134	MAR 14 2011					N ST: N
11	85.00 SS		BREAKER, WPC-85 LG ACTIVATOR	MAR 14 2011					N ST: N
12	65.00 LB		BREAKER, WPC-133	MAR 14 2011					N ST: N
13	5000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 14 2011					N ST: N

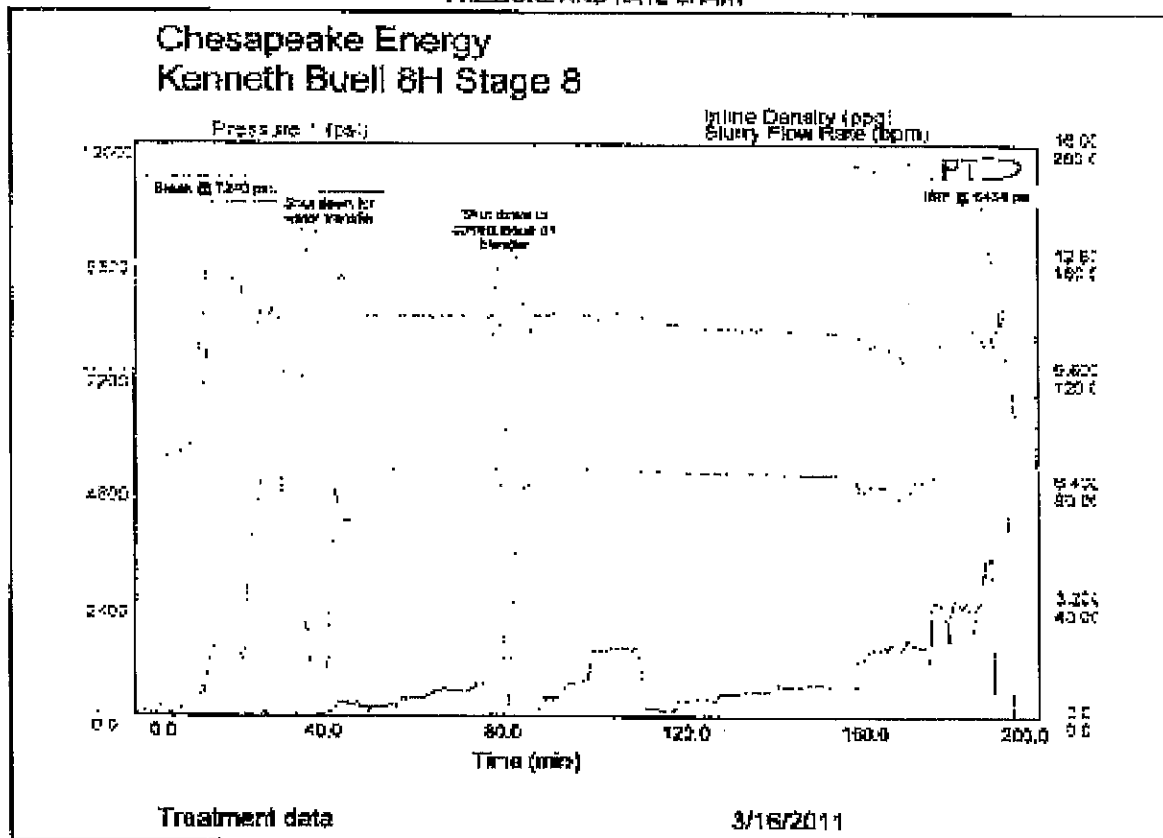
**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	8	LONG	-81.0195696

PRESSURES, PSI	MIN	7,237	RATES, BPM	MIN	70.6
	MAX	8,651		MAX	87.1
	AVERAGE	8,122		AVERAGE	84
	ISIP	64,344	FRAC FLUID TYPE, bbls	Clean	13,056
	5 MIN	6,138		Slurry	13,614
	10 MIN	6,018		Slickwater	11,532
	15 MIN	5,926		X-link	1,243
				Gel	1,224

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	158,130
30/50	328,340
30/50 Resin	32,574
	519,044

PRESSURE AND RATE CHART





Weatherford
BRUNCH PLANT: 33114
WEATHERFORD AFS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

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INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED]
INVOICE DATE: Jan 2011
BILLING PERIOD FROM: MAR 15 2011 TO: MAR 16 2011
CALL/VARY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 8 OF 18
GRACE DATE: FEB 27 2011
SAPPHIRE DATE: MAR 15 2011
ORDER NUMBER: [REDACTED]
GRACE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 10490
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY LBS	ITEM NUMBER	DESCRIPTION	UNIT	EXTENSION	UNIT PRICE	QTY AS SHOWN	AMOUNT	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAF-2510 CATIONIC 1.25E 52		MAR 15 2011					N
2	50.00 GL		IRON CONTROL, WFC-64 IL SEQUEST BRANT		MAR 10 2011					N
3	500.00 GA		CHRY CONTROL, WGS-031LC		MAR 15 2011					N
4	477.00 GL		SURFACTANT, WME-352UN		MAR 15 2011					N
5	515.00 GL		FRICTION REDUCER, WIFL55LA/00		MAR 15 2011					N
6	500.00 GL		GEN INH AGENT, WGL-21		MAR 15 2011					N
7	51.00 GL		CROSSLINK CONTROLLER, W-12GL 50 RATE DELAYED		MAR 15 2011					N
8	48.00 GL		CROSSLINK CONTROL, WGL-12GL 50 RATE		MAR 15 2011					N
9	77.00 GL		SCALE INHIBITING AGENT, WPS-504L		MAR 15 2011					N
10	50.00 LB		BREAKER, WBS-6-134		MAR 15 2011					N
11	51.00 GL		BREAKER, WBS-13GL ACTIVATOR		MAR 15 2011					N
12	50.00 LB		BREAKER, WBS-133		MAR 15 2011					N
13	5000.00 GL		ACID, HYDROCHLORIC, 15 PCT		MAR 15 2011					N

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 08/17/11

LINE NO.	QTY / UNIT	ITEM NUMBER / UNIT NUMBER	DESCRIPTION	SHIP / RETURN DATE	QTY / UNIT	GROSS AMOUNT	TAXES	NET AMOUNT	TAX
14	150130.00 LB		FLUID LOSS AGENT, UNF-101, 100 MESH, BULK	MAR 16 2011					N PST: N
15	328340.00 LB		PROP, PREMIUM, 30SC	MAR 15 2011					N PST: N
16	31574.00 LB		RESIN COATED PROP, SUPER LG, 2 DS	MAR 14 2011					N PST: N
17	25902.82 EA		DELIVERY CHARGE PROPANT	MAR 15 2011					N PST: N
18	1.00 EA		CHARGE, PUMPING, STAGE	MAR 15 2011					N PST: N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 15 2011					N PST: N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 15 2011					N PST: N
REM Information Remittance Name A/E # Location ID/Prop. Delivery/Work Order #				AMOUNT TO	DEFAULT				
EDI TRANSACTION FYI ONLY DO NOT MAIL PAYMENT									
TOTAL REMITTANCE				SUBTOTAL (USD)					
TAX				TOTAL (USD)					
INVOICE NUMBER		0000000000		TOTAL (USD)					
DATE		03/17/11		TOTAL (USD)					

Weatherford does not warrant any equipment, materials or services it provides to its customers. Such provision shall be governed by the standard conditions of the current applicable master services agreement between the parties. In the event that there is no such master services agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your next invoice.

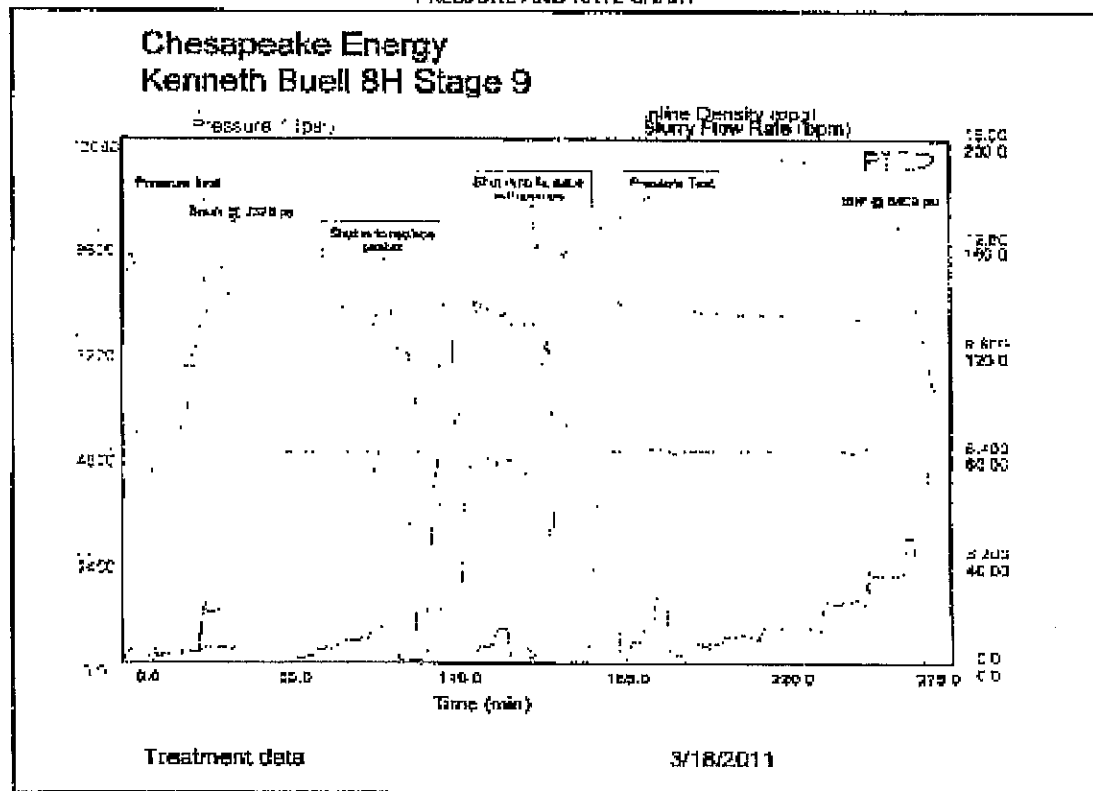
**CHESAPEAKE ENERGY CORPORATION
QDNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	9	LONG	-81.0195636

PRESSURES, PSI	MIN	7,705	RATES, BPM	MIN	71.8
	MAX	9,952		MAX	81.6
	AVERAGE	8,007		AVERAGE	80.5
	ISIP	6,409	FRAC FLUID TYPE, bbls	Clean	15,792
	5 MIN	6,057		Slurry	16,218
	10 MIN	5,957		Slickwater	13,363
	15 MIN	5,900		X-link	2,074
				Gel	2,429

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	158,903
80/50	338,341
80/50 Resin	49,483
	546,727

PRESSURE AND RATE CHART





Weatherford

BRANCH PLANT: 3310
WEATHERFORD AVE
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] PAGE: 1
INVOICE DATE: 03/21/11
BILLING PERIOD FROM: MAR 15 2011 TO: MAR 15 2011
DELIVERY TRUCK: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 2 OF 10
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 15 2011
ORDER NUMBER: [REDACTED]
EMCODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHEESAPEAKE ENERGY MARKETING INC
P O BOX 18466
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	IDENTIFIER/ REF NUMBER	DESCRIPTION	UNIT PRICE	QTY	CROSS AMOUNT	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAI-251LC CATHODIC 1000 5-0	MAR 18 2011				N ST N
2	51.00 GL		IRON CONTROL, WAI-611L SEQUEST BRANT	MAR 18 2011				N ST N
3	600.00 GL		CLAY CONTROL, WMS-431LC	MAR 18 2011				N ST N
4	443.00 GL		SURFACTANT, WMS-031LN	MAR 18 2011				N ST N
5	101.00 GL		PROPORTION REDUCER, WFR-851LN	MAR 18 2011				N ST N
5	600.00 GL		CELLING AGENT, WMA-111LN	MAR 18 2011				N ST N
7	74.00 GL		CROSSLINK CONTROL, WML-151LB 5000 10-0	MAR 18 2011				N ST N
8	45.00 GL		CROSSLINK CONTROL, WML-151LB 50 RATE	MAR 18 2011				N ST N
9	197.00 GL		PH ADJUSTING AGENT WMS-854L	MAR 18 2011				N ST N
10	70.00 LB		BREAKER, WBR-134	MAR 18 2011				N ST N
11	74.00 GL		BREAKER, WBR-136L ACTIVATOR	MAR 18 2011				N ST N
12	70.00 LB		BREAKER, WBR-133	MAR 18 2011				N ST N
13	5000.00 GL		ACID, HYDROCHLORIC 45% PCT	MAR 18 2011				N ST N

INVOICE NUMBER: 5944372 RI
 DT NUMBER: 6451535 SA



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/21/11

LINE NO.	CTY UOM	ITEM NUMBER / REF NUMBER	DESCRIPTION	DATE RECEIVED	DATE SHIP	GROSS AMOUNT	INVO DISC%	INVOICED AMOUNT	TAX
14	150000.00 LB		FLUID LOSS AGENT, WFL-101, 100 MESH, BULK	MAR 16 2011					N PST, N
15	538341.00 LB		PROP, PREMIUM, 30SC	MAR 16 2011					N PST, N
16	40463.00 LB		RESIN COATED PROP, SUPER LO, 9 0450	MAR 16 2011					N PST, N
17	27308.36 EA		DELIVERY CHARGE PROPANT	MAR 16 2011					N PST, N
18	100 EA		CHARGE PUMPING, STAGE	MAR 16 2011					N PST, N
19	100 EA		24 HOUR PUMPING CHARGE	MAR 16 2011					N PST, N
20	100 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 16 2011					N PST, N

EDI Information
 Requester Name
 A/E #/Location ID/Pro
 Delivery/Make Ticket #

Attention To

DEFAULT

EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

TERMS
 30 DAY

TAX

INVOICE NUMBER

DATE

5944372 RI
 03/21/11

NET TOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (each term shall be the day subsequent, unless otherwise specified) will provide the respective equipment, materials as ordered by its customer. Each provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/terms shall be applicable to the provision of such equipment, materials or services. (A separate copy of these standard terms and conditions will be provided to customers upon request.)
 FORMNO: 03060902 (REV) WEFTMT Standard Conditions Agreement 1.1 01/06/10 JCB/01/2010/000

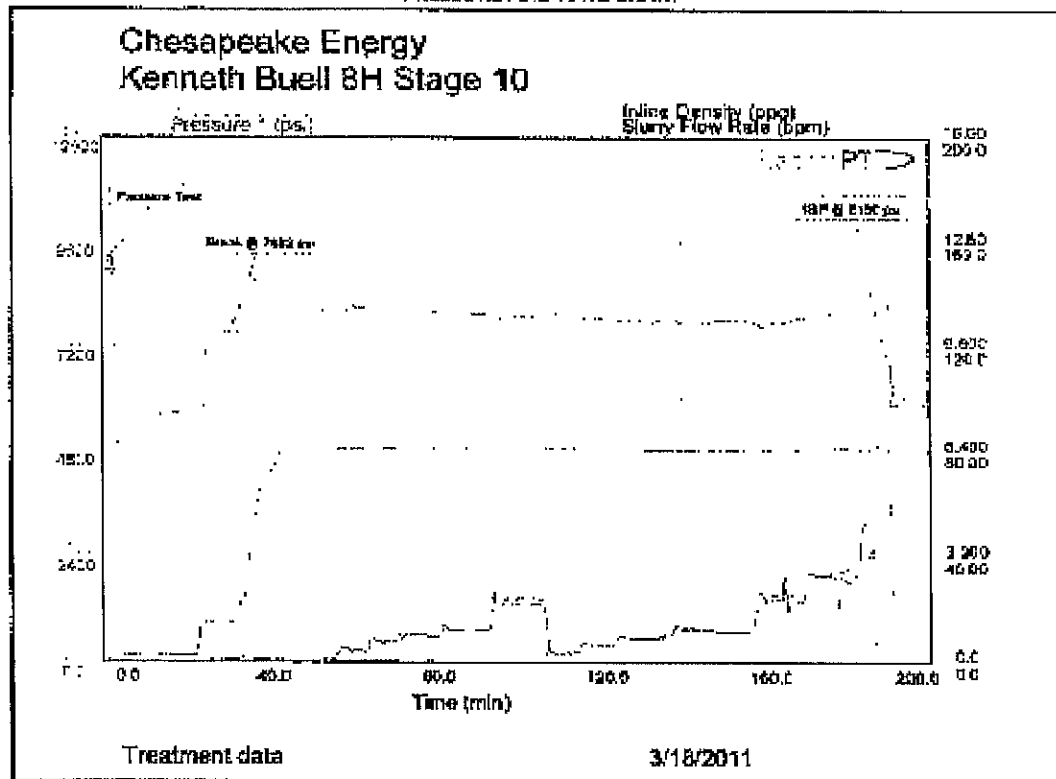
**CHESAPEAKE ENERGY CORPORATION
CONR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	10	LONG	81.0195696

PRESSURES, PSI	MIN	7,632	RATES, BPM	MIN	80.1
	MAX	8,187		MAX	81.2
	AVERAGE	7,910		AVERAGE	80.5
	ISIP	6,190	FRAC FLUID TYPE, bbls	Clean	12,174
	5 MIN	5,946		Slurry	12,637
	10 MIN	5,796		Slickwater	10,625
	15 MIN	5,644		X-link	1,544
				Gel	1,549

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	171,253
30/50	311,317
30/50 Resin	46,529
	529,099

PRESSURE AND RATE CHART





Westward

BRANCH PLANT: 20410
WEATHERFORD ALA
ONE WEATHERFORD BLVD
BUCKHAMTON WV 26201
UNITED STATES

PH:
ET:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 02/11/11
BILLING PERIOD FROM: MAR 10 2011 TO: MAR 10 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 10 OF 10
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 10 2011
ORDER NUMBER:
RETURN VIA: [REDACTED]
FAXED NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18498
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY	ITEM NUMBER	DESCRIPTION	DATE RETURN	QTY UNIT	PRICE AMOUNT	UNIT PRICE	EXTENDED AMOUNT	TAX
1	10.00 QL		INHIBITOR, W41-25110 CATIONIC 1.068 SG	MAR 18 2011					N PST: V
2	50.00 QL		IRON CONTROL, W42-541 L. SFOQUEST ERANT	MAR 18 2011					N PST: N
3	120.00 QL		CLAY CONTROL, W43-52110	MAR 18 2011					N PST: N
4	317.00 QL		SURFACTANT, W45-05211	MAR 18 2011					N PST: N
5	584.00 QL		PRODUCTION REDUCER, W46-65110(M)	MAR 18 2011					N PST: N
6	415.00 QL		GELLING AGENT, W47-11110	MAR 18 2011					N PST: N
7	55.00 QL		CATIONIC CONTROL, W48-10110 POLYDISPERSED	MAR 18 2011					N PST: N
8	36.00 QL		CROSSLINK CONTROL, W49-105.00 RATE	MAR 18 2011					N PST: N
9	125.00 QL		PHASE-1 GELLING AGENT, W45-05110	MAR 18 2011					N PST: N
10	10.00 LB		BREAKER, W46K-34	MAR 18 2011					N PST: N
11	53.00 QL		BREAKER, W46K-100L ACTIVATOR	MAR 18 2011					N PST: N
12	10.00 LB		BREAKER, W46K-35	MAR 18 2011					N PST: N
13	5000.00 QL		ACID, HYDROFLUORIC, 70% HCl	MAR 18 2011					N PST: N

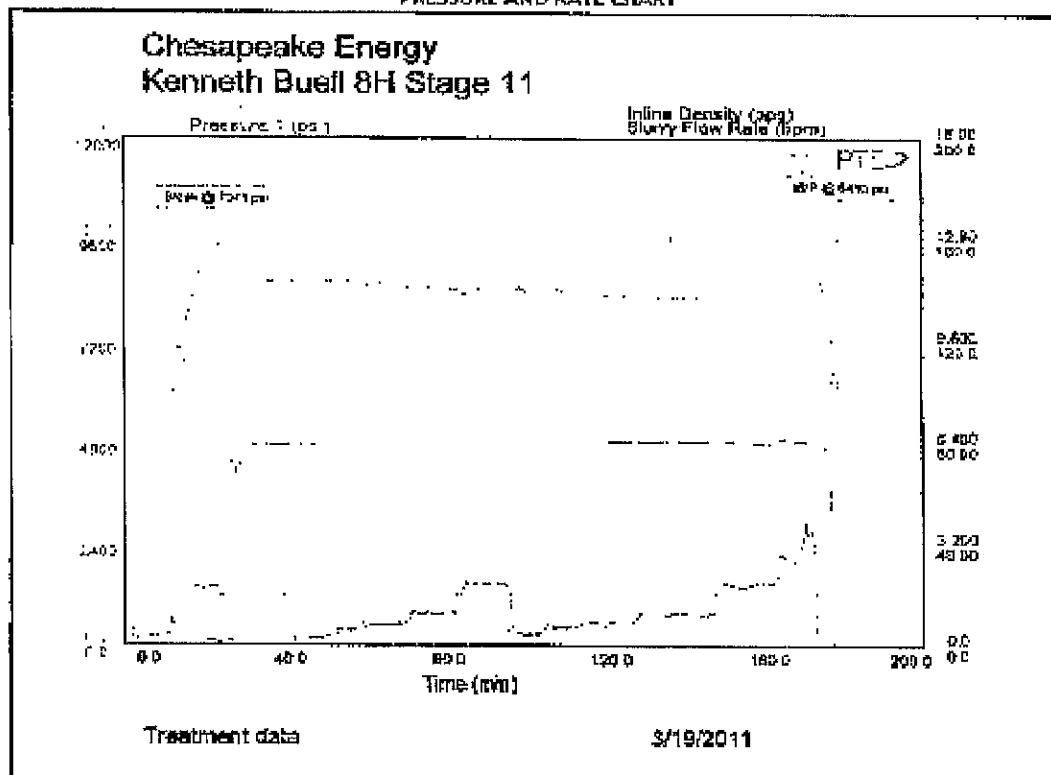
CHESAPEAKE ENERGY CORPORATION
QDNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	11	LONG	-81.0195696

PRESSURES, PSI	MIN	8,085	RATES, BPM	MIN	77.3
	MAX	8,652		MAX	81
	AVERAGE	9,265		AVERAGE	79.4
	ISP	6,410	FRAC FLUID TYPE, bbls		
	5 MIN	5,852			
	10 MIN	5,612			
	15 MIN	5,481			
			Clean	11,886	
			Slurry	12,284	
			Slickwater	10,812	
			X-link	1,064	
			Gel	1,074	

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	180,400
30/50	273,049
30/50 Resin	46,909
	480,358

PRESSURE AND RATE CHART



SHIP TO: [REDACTED]
WELL: 84
LEASE: BUELL
UNITED STATES



Weatherford
BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKINGHAM WV 26207
UNITED STATES

INVOICE

ORIGINAL

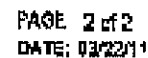
PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ: 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 15 2011 TO: MAR 19 2011
DELIVERY TICKET:
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 11 OF 18
ORDER DATE: FEB 22 2011
SHIPPING DATE: MAR 15 2011
ORDER NUMBER:
INVOICE NUMBER:

PH:
FX:

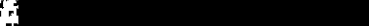
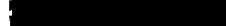
CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 10408
OKLAHOMA CITY OK 73164
UNITED STATES

LINE NO.	QTY REQ.	ITEM NUMBER REF NUMBER	DESCRIPTION	UNIT REMARKS	DATE UNIT	GROSS AMOUNT	NET AMOUNT	TAX
1	4.00 GL	[REDACTED]	WATER, WML-2510 CATIONS 1.000 SG	MAR 15 2011	[REDACTED]			N ST: N
2	20.00 GL	[REDACTED]	IRON CONTROL, WML-611L SEQUEST ERANT	MAR 15 2011	[REDACTED]			N ST: N
3	427.00 GL	[REDACTED]	CLAY CONTROL, WML-8311L	MAR 15 2011	[REDACTED]			N ST: N
4	137.00 GL	[REDACTED]	SURFACTANT, WML-8311L	MAR 15 2011	[REDACTED]			N ST: N
5	485.00 GL	[REDACTED]	FRICTION REDUCER, WML-8311L	MAR 15 2011	[REDACTED]			N ST: N
6	300.00 GL	[REDACTED]	GELLING AGENT, WML-8311L	MAR 15 2011	[REDACTED]			N ST: N
7	55.00 GL	[REDACTED]	CROSSLINK CONTROL, WML-132L DO RATE	MAR 15 2011	[REDACTED]			N ST: N
8	47.00 GL	[REDACTED]	CROSSLINK CONTROL, WML-132L DO RATE	MAR 15 2011	[REDACTED]			N ST: N
9	50.00 GL	[REDACTED]	COLLECTING AGENT, WML-8311L	MAR 15 2011	[REDACTED]			N ST: N
10	40.00 LB	[REDACTED]	BREAKER, WML-132L	MAR 15 2011	[REDACTED]			N ST: N
11	24.00 GL	[REDACTED]	BREAKER, WML-132L ACTIVATOR	MAR 15 2011	[REDACTED]			N ST: N
12	50.00 LB	[REDACTED]	BREAKER, WML-132L	MAR 15 2011	[REDACTED]			N ST: N
13	3000.00 GL	[REDACTED]	WML, HYDROCHLORIC, 15 PCT	MAR 15 2011	[REDACTED]			N ST: N



ECH Information Requester Name A/E #/Location /C/Prop. Delivery/Work Ticket #	Attention To ACTION	DEFAULT
--	------------------------	---------

EDI TRANSACTION
FM ONLY
DO NOT MAIL PAYMENT

TERMS: PAY TO:		CUSTOMER NAME _____ _____ _____ TAX NUMBER _____ TOTAL AMT _____ TOTAL AMT _____	
TAX INVOICE NUMBER DATE:			
	03/2/11		

[illegible]

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	12	LONG	-81.0195696

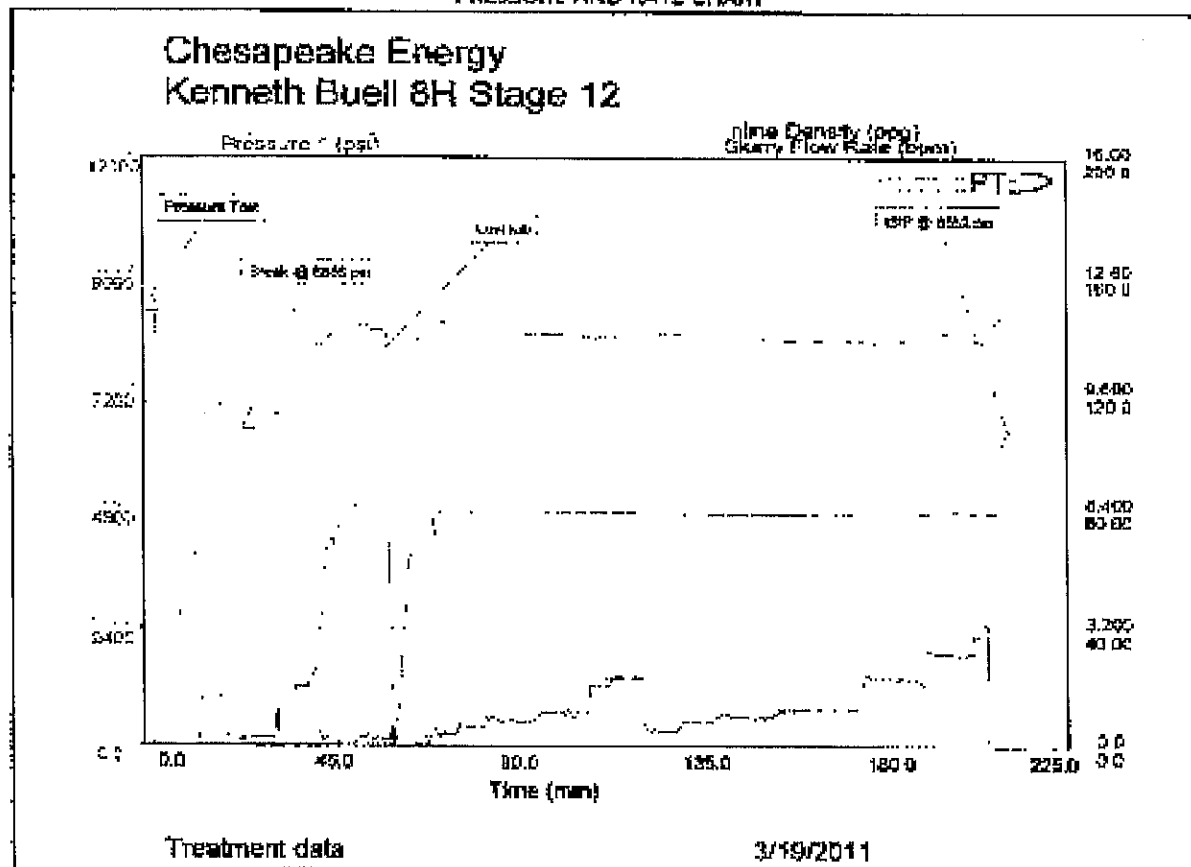
PRESSURES, PSI	MIN	8,142
	MAX	8,684
	AVERAGE	8,367
	ISIP	6,562
	5 MIN	5,340
	10 MIN	5,050
	15 MIN	4,855

RATES, BPM	MIN	77.9
	MAX	79.5
	AVERAGE	78.5

FRAC FLUID TYPE, bbls	Clean	12,590
	Slurry	13,049
	Slickwater	11,359
	X-link	1,155
	Gel	1,231

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	159,759
30/50	334,854
30/50 Resin	34,563
	529,176

PRESSURE AND RATE CHART



SHIP TO: [REDACTED]
WELL: 8
LEASE: RUELL
UNITED STATES

Weatherford
BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 19 2011 TO: MAR 19 2011
DELIVERY TICKET:
PREPARED BY:
JOB NUMBER: STAGE 12 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 19 2011
ORDER NUMBER:
EXCISE NUMBER:

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 15489
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER	DESCRIPTION	UNIT	AMOUNT	EXTENSION	TAX
1	0.00 GL		INHIBITOR, WFR-25 ILC CATIONIC	MAR 19 2011			N
2	30.00 GL		HCM CON INCL, WFR-671L SEQUEST	MAR 19 2011			N
3	424.00 GL		CLAY CONTROL, WFR-631LO	MAR 19 2011			N
4	387.00 GL		SURFACTANT, WFR-351LN	MAR 19 2011			N
5	510.00 GL		FRICTION REDUCER, WFR-451LN	MAR 19 2011			N
6	250.00 GL		SEEDING AGENT, WFR-101LN	MAR 19 2011			N
7	57.00 GL		CROSSLINK CONTROL, WFR-101LN	MAR 19 2011			N
8	22.00 GL		CROSSLINK CONTROL, WFR-101LN	MAR 19 2011			N
9	62.00 GL		SEEDING AGENT, WFR-101LN	MAR 19 2011			N
10	50.00 LB		BREAKER, WFR-124	MAR 19 2011			N
11	90.00 GL		BREAKER, WFR-124	MAR 19 2011			N
12	50.00 LB		BREAKER, WFR-124	MAR 19 2011			N
13	2000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 19 2011			N

INVOICE NUMBER
 IN NUMBER:



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/22/11

LINE NO.	QTY UOM	ITEM NUMBER REQ NUMBER	DESCRIPTION	UNIT RETURN	DATE ENTER	PRICE AMOUNT	UNIT COST	EXTENDED AMOUNT	TAX
14	139759.00 LB		FLUID LOSS AGENT, WFL-191,100 MESH, BULK		MAR 18 2011				N ST N
15	234064.00 LB		PROP. PREMIUM, 8052		MAR 18 2011				N ST N
18	84563.00 LB		RESIN COATED PROP, SUPER LC, 3 DES		MAR 18 2011				N ST N
17	28408.80 EA		DELIVERY CHARGE, PROPANT		MAR 18 2011				N ST N
18	1.00 CA		CHARGE, PUMPING, STAGE		MAR 18 2011				N ST N
19	1.00 EA		24 HOUR PUMPING CHARGE		MAR 19 2011				N ST N
20	1.00 EA		FOURMENT TO PUMP LINEAR GEL		MAR 18 2011				N ST N

EDM Information
 Requester Name
 AFE #/Location ID/Prop.
 Delivery/Week Ticket #

Attention To

DEFAULT

EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

TAXES		TOTAL (USD)	
INVOICE NUMBER:		TOTAL (USD)	
DATE:	03/22/11	TOTAL (USD)	

Weatherford (and/or its subsidiaries) and/or its affiliates of Weatherford International, Inc. will provide the equipment, materials or services to its customers. Such services shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford, its subsidiaries and/or affiliates shall be bound by the terms and conditions of the Weatherford International, Inc. standard terms and conditions of sale. A copy of such terms and conditions shall be available to the customer upon request. A copy of the standard terms and conditions of sale shall be available to the customer upon request. A copy of the standard terms and conditions of sale shall be available to the customer upon request. A copy of the standard terms and conditions of sale shall be available to the customer upon request.

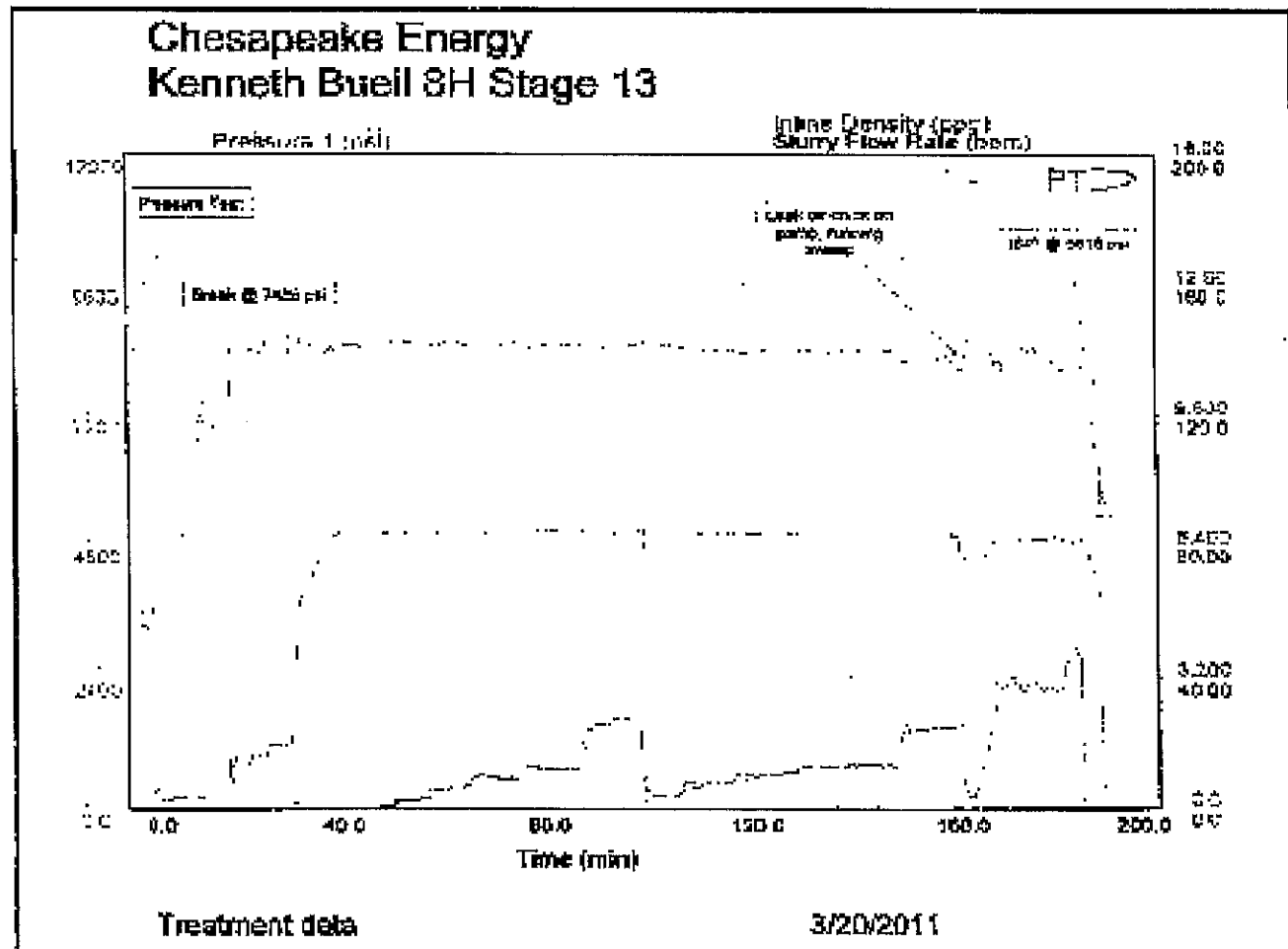
CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	13	LONG	-81.0195696

PRESSURES, PSI	MIN	7,836	RATES, BPM	MIN	72.5
	MAX	8,844		MAX	84.2
	AVERAGE	8,417		AVERAGE	83.1
	ISIP	5,816	FRAC FLUID TYPE, bbls	Clean	12,689
	5 MIN	4,951		Slurry	13,168
	10 MIN	4,750		Slickwater	11,253
	15 MIN	4,606		X-link	1,285
				Gel	1,436

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	165,327
30/50	359,964
30/50 Resin	49,990
	575,281

PRESSURE AND RATE CHART



SHIP TO: 255302 CW
WELL, OH
LEASE BUELL
UNITED STATES



Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCAMANNON WV 26201
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ: 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 19 2011 TO: MAR 20 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 15 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 19 2011
ORDER NUMBER:
ENCODE NUMBER: [REDACTED]

CUSTOMER: 2554669
CHESAPEAKE ENERGY MARKETING INC
P O BOX 10486
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UNIT	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	NET AMOUNT	ATTACHED AMOUNT	TAX
1	620 GL	[REDACTED]	WHETHER, WMS5510 CATIONIC 1/55 8/9	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	35.00 GL	[REDACTED]	IRON CONTROL, WMS-541L REDUCER ERANT	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	394.00 GL	[REDACTED]	CLAY CONTROL, WMS-5510 LC	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	206.00 GL	[REDACTED]	SURFACTANT, WMS-5510 LC	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	480.00 GL	[REDACTED]	FRICTION REDUCER, WFR-5510 LC	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	408.00 GL	[REDACTED]	GELLING AGENT, WGA-5510 LC	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	30.00 GL	[REDACTED]	CROSSLINK CONTROL, WCL-135L 80 DATE 12/21/10	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	36.00 GL	[REDACTED]	CROSSLINK CONTROL, WCL-135L 80 DATE	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	62.00 GL	[REDACTED]	GELLING AGENT, WGA-5510 LC	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	60.00 LB	[REDACTED]	BREAKER, WMS-135L	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	65.00 GL	[REDACTED]	BREAKER, WMS-135L ACTIVATOR	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	60.00 LB	[REDACTED]	BREAKER, WMS-135L	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	2000.00 GL	[REDACTED]	ACID HYDROCHLORIC, 15 PCT	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

DO NOT MAIL PAID
EXTRA TRANSACTION
FBI ONLY

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H

Harrison Co.

DH

LOCATION LAT

40.3504484

STAGE NUMBER

14

LONG

-81.0195696

PRESSURES, PSI

MIN	7,762
MAX	8,298
AVERAGE	8,024
ISIP	6,626
5 MIN	5,969
10 MIN	5,591
15 MIN	5,375

RATES, BPM

MIN	80.3
MAX	81.5
AVERAGE	80.6

**FRAC FLUID TYPE,
bbls**

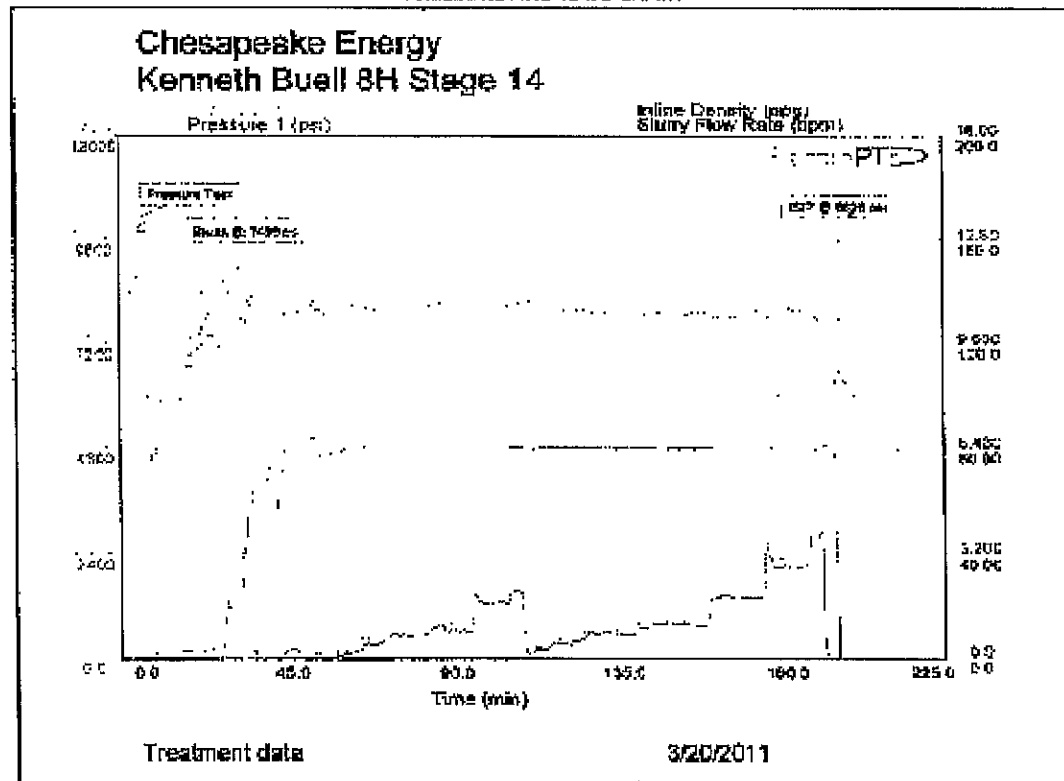
Clean	12,503
Slurry	13,126
Slickwater	11,286
X-link	1,214
Gel	1,317

FRAC PROPPANT TYPE

**VOLUME, LBS (PER
STAGE)**

100 Mesh	159,219
30/50	352,258
30/50 Resin	39,862
	551,339

PRESSURE AND RATE CHART



INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/22/11

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	DATE REF LTR	UNIT UOM	PRICE AMOUNT	SUPPLY PRICE	EXTENDED AMOUNT	TAX												
14	16000.00 LB		FLUID LOSS AGENT, WIL-101, 50 MESH, PULK	MAR 10 2011					N PST: N												
15	36320.00 LB		PRCP, PREMIUM, 3000	MAR 20 2011					N PST: N												
16	39012.00 LB		RESIN COATED PRCP, SUPER (0.9 MESH	MAR 20 2011					N PST: N												
17	27000.00 EA		DELIVERY CHARGE, PROPPANT	MAR 20 2011					N PST: N												
18	100 EA		CHARGE, PUMPING, STAGE	MAR 20 2011					N PST: N												
19	100 EA		24 HOUR PUMPING CHARGE	MAR 20 2011					N PST: N												
20	100 EA		EQUIPMENT TO PUMP LINER GEL	MAR 20 2011					N PST: N												
EDI Information: Requester Name: [REDACTED] A/E #/Location: D/Prop Delivery/Work Ticket # [REDACTED] EDI TRANSACTION FYI ONLY DO NOT MAIL PAYMENT <table><tr><td>TERMS NET 30</td><td>[REDACTED]</td><td>SUBTOTAL (USD)</td><td>[REDACTED]</td></tr><tr><td>TAX INVOICE NUMBER</td><td>[REDACTED]</td><td>TOTAL (USD)</td><td>[REDACTED]</td></tr><tr><td>DATE</td><td>03/22/11</td><td></td><td></td></tr></table>										TERMS NET 30	[REDACTED]	SUBTOTAL (USD)	[REDACTED]	TAX INVOICE NUMBER	[REDACTED]	TOTAL (USD)	[REDACTED]	DATE	03/22/11		
TERMS NET 30	[REDACTED]	SUBTOTAL (USD)	[REDACTED]																		
TAX INVOICE NUMBER	[REDACTED]	TOTAL (USD)	[REDACTED]																		
DATE	03/22/11																				

Weatherford Inc. warrants that the information contained herein is true and correct to the best of its knowledge and belief. It is the responsibility of the customer to verify the accuracy of the information provided. Weatherford Inc. is not responsible for any errors or omissions in the information provided. The information is provided for informational purposes only and is not intended to be used for any other purpose. The information is provided as is and without warranty. The information is provided for informational purposes only and is not intended to be used for any other purpose. The information is provided as is and without warranty.

CHESAPEAKE ENERGY CORPORATION
CONR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	15	LONG	-81.0195696

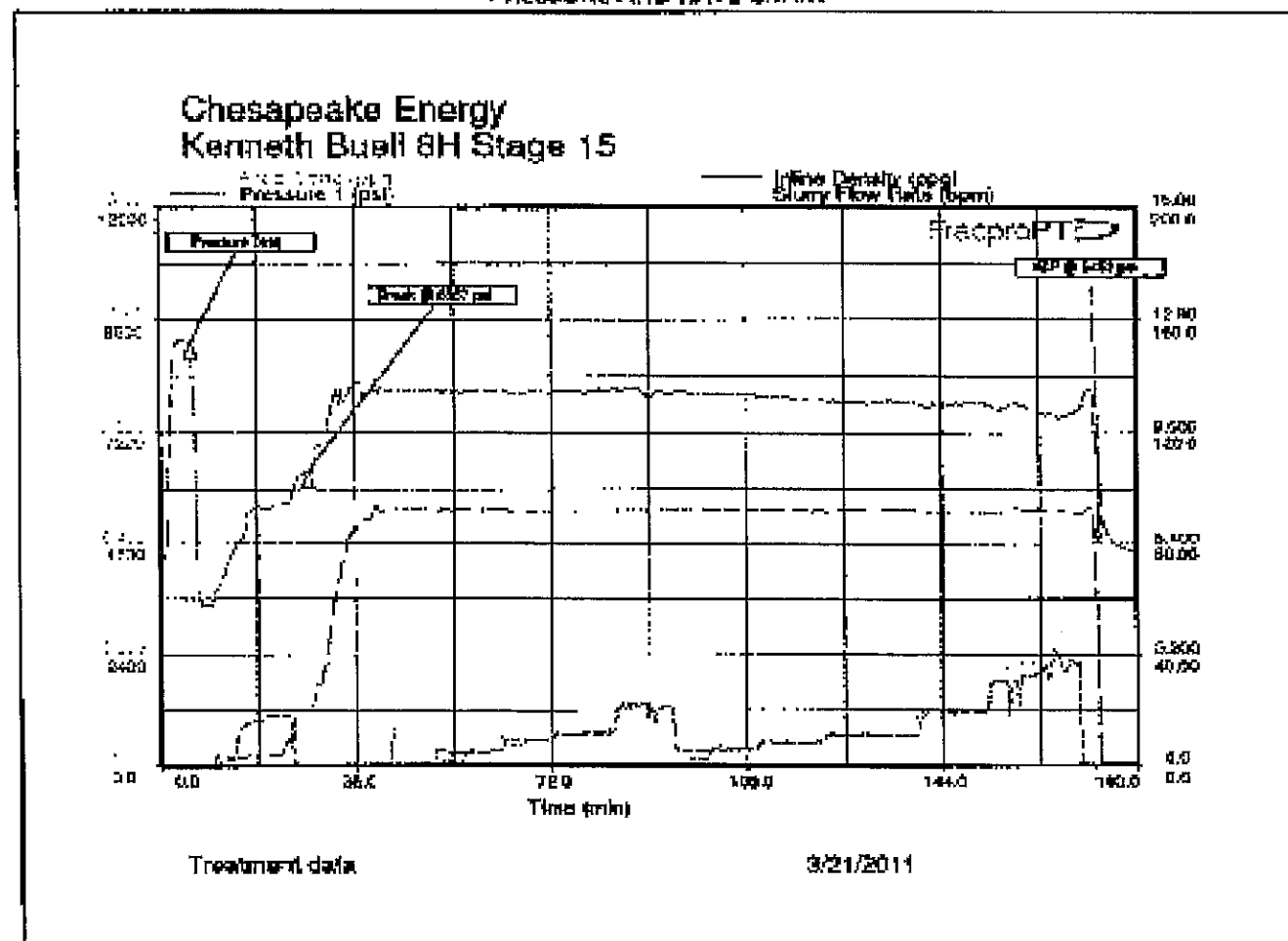
PRESSURES, PSI	MIN	7,421
	MAX	8,184
	AVERAGE	7,934
	ISIP	5,452
	5 MIN	4,680
	10 MIN	4,527
	15 MIN	4,362

RATES, BPM	MIN	7421
	MAX	8184
	AVERAGE	7934

FRAC FLUID TYPE, bbbls	Clean	12,303
	Slurry	12,912
	Slickwater	11,555
	X-link	1,100
	Gel	230

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	156,183
30/50	312,077
30/50 Resin	49,616
	517,881

PRESSURE AND RATE CHART



SHIP TO:
WELL: 84
LEASE: BUELL
UNITED STATES

Weatherford
BRANCH PLANT: 33110
WEATHERFORD ALB
ONE WEATHERFORD BLVD
BUCKHANNON WV 26031
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ: 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 20 2011 TO: MAR 21 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 15 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 20 2011
ORDER NUMBER: [REDACTED]
BARGE NUMBER: [REDACTED]

PH:
FX:

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18489
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY LBS	ITEM NUMBER REF NUMBER	DESCRIPTION	DATE STATUS	QTY UNIT	GROSS AMOUNT	UNIT PRICE	EXTENDED AMOUNT	TAX
1	10.00 GL	[REDACTED]	INHIBITOR, WU-251LC CATION C 1.000 S/G	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	50.00 GL	[REDACTED]	IRON CONTROL, WUC-541L REQUEST BRANT	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	344.00 GL	[REDACTED]	CLAY CONTROL, WUC-551L C	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	292.00 GL	[REDACTED]	SURFACTANT, WUC-322LH	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	640.00 GL	[REDACTED]	FRICTION REDUCER, WUC-652LH	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	382.00 GL	[REDACTED]	GELLING AGENT, WUC-541L	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	55.00 GL	[REDACTED]	CROSSLINK CONTROL, WUC-101L EXTENDED	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	28.00 GL	[REDACTED]	CROSSLINK CONTROL, WUC-102L RATE	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	60.00 GL	[REDACTED]	GELLING AGENT, WUC-541L	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	70.00 LB	[REDACTED]	BREAKER, WUC-104	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	94.00 GL	[REDACTED]	BREAKER, WUC-106L ACTIVATOR	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	20.00 LB	[REDACTED]	BREAKER, WUC-103	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	5000.00 GL	[REDACTED]	ACID, HYDROCHLORIC 15 POT	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

ENTER TRANSACTION
ONLY
DO NOT MAIL PAID

INVOICE NUMBER:
DT NUMBER:



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/22/11

LINE NO.	QTY UOM	ITEM NUMBER / REF NUMBER	DESCRIPTION	SHIP / RETURN	CITY / UNIT	ORIG. AMOUNT	SURC. DISC %	EXTENDED AMOUNT	TAX
14	146198.00 LB		FLUID LOSS AGENT, WFL-194, 100 MESH BULK	MAR 20 2011					N PST: N
15	312577.00 LB		PROP. PREMIUM, 30SC	MAR 20 2011					N PST: N
16	42606.00 LB		RESIN COATED PROP, SUPER LG, 3 0/50	MAR 20 2011					N PST: N
17	25844.35 EA		DELIVERY CHARGE, PROPANT	MAR 20 2011					N PST: N
18	1.00 EA		CHARGE, PUMPING, STAFF	MAR 20 2011					N PST: N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 20 2011					N PST: N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 20 2011					N PST: N
EDI Information				ABANDON TO	DEFAULT				
Regular Name									
APE & Location ID/Prop.									
Delivery Order Ticket #									
EDI TRANSACTION FYI ONLY DO NOT MAIL PAYMENT									
TERMS				SUBTOTAL (USD)					
NET 30									
TAX				TAX (USD)					
INVOICE NUMBER				TOTAL (USD)					
DATE			03-22-11						

Weatherford (including its subsidiaries) and its affiliates (collectively "Weatherford") hereby warrant that we provide the equipment, materials or services in accordance with the specifications and conditions of the contract applicable to the services requested, between the parties. In the event that there is an actual service failure, we warrant a replacement or a refund of the purchase price, at our discretion. A copy of which can be found at www.weatherford.com/MSA shall be made available to the purchaser of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.

FLUENTIA 2010/03/22/11 10:07:11 Weatherford (including its subsidiaries) and its affiliates (collectively "Weatherford") hereby warrant that we provide the equipment, materials or services in accordance with the specifications and conditions of the contract applicable to the services requested, between the parties. In the event that there is an actual service failure, we warrant a replacement or a refund of the purchase price, at our discretion. A copy of which can be found at www.weatherford.com/MSA shall be made available to the purchaser of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	16	LONG	-81.0195696

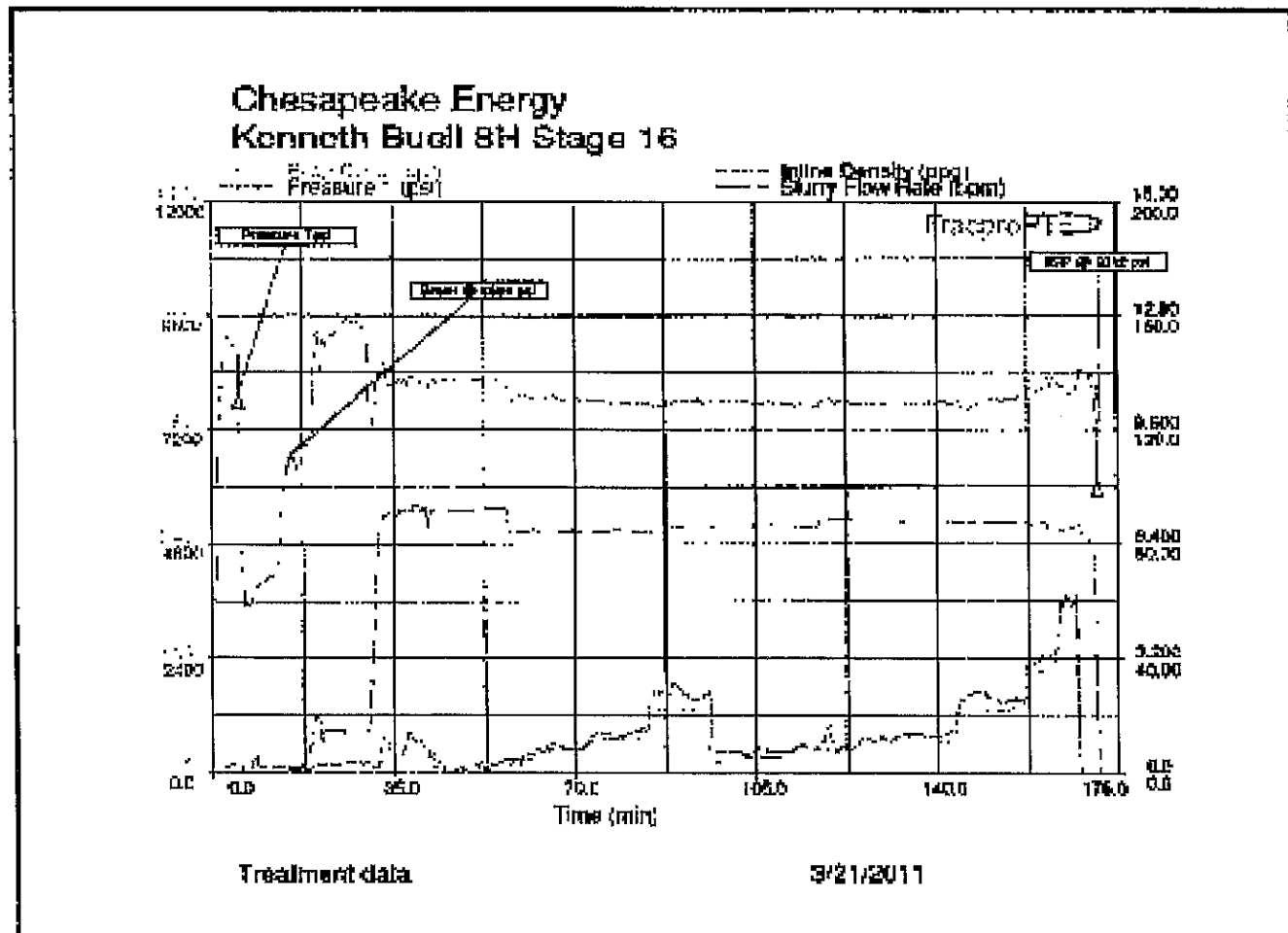
PRESSURES, PSI	MIN	7,494
	MAX	8,694
	AVERAGE	7,798
	ISIP	6,012
	5 MIN	5,589
	10 MIN	5,482
	15 MIN	5,395

RATES, BPM	MIN	79
	MAX	89
	AVERAGE	86

FRAC FLUID TYPE, bbls	Clear	11,379
	Slurry	11,736
	Slidewater	11,055
	x-link	747
	Gel	129

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	172,406
30/50	335,948
30/50 Resin	50,993
	559,347

PRESSURE AND RATE CHART





Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALE
ONE WEATHERFORD BLVD
BUCKHANNON WV 26031
UNITED STATES

附
錄**INVOICE**

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER:	[REDACTED]	SEQ. 1
INVOICE DATE:	03/20/11	
BILLING PERIOD FROM:	MAR 21 2011	TO: MAR 21 2011
DELIVERY TICKET:	[REDACTED]	
PREPARED BY:	[REDACTED]	
JOB NUMBER:	STAGE 16 OF 18	
ORDER DATE:	FEB 21 2011	
SHIPPING DATE:	MAR 21 2011	
ORDER NUMBER:	[REDACTED]	
QUOTE NUMBER:	[REDACTED]	

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18498
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY DOM.	ITEM NUMBER REF NUMBER	DESCRIPTION	DATE RETURN	DATE LAST	GROSS AMOUNT	NET DHS	EXTENDED AMOUNT	TAX
1	8.00 GL		INHIBITOR, WMS-251LC CATIONIC 1.055 SO	MAR 21 2011					N PST: N
2	30.00 GL		IRON CONTROL, WMS-641L SEQUEST ERANT	MAR 21 2011					N PST: N
3	501.00 GL		CLAY CONTROL, WMS-651LG	MAR 21 2011					N PST: N
4	175.00 GL		SURFACTANT, WMS-651LN	MAR 21 2011					N PST: N
5	140.00 GL		FRICTION REDUCER, WFR-651LW	MAR 21 2011					N PST: N
6	250.00 GL		GELLING AGENT, WGA-10	MAR 21 2011					N PST: N
7	23.00 GL		CROSSLINK CONTROL, WCL-100L BO RATE	MAR 21 2011					N PST: N
8	24.00 GL		CROSSLINK CONTROL, WCL-100L BO RATE	MAR 21 2011					N PST: N
9	20.00 GL		ON SOLIDIFYING AGENT, WPS-50L	MAR 21 2011					N PST: N
10	40.00 LB		BREAKER, WBR-124	MAR 21 2011					N PST: N
11	47.00 GL		BREAKER, WBR-126L ACTIVATOR	MAR 21 2011					N PST: N
12	40.00 LB		BREAKER, WBR-125	MAR 21 2011					N PST: N
13	10.00 GL		RESIN COATED ACTIVATOR, SUPERS ET WMS GL DRUM	MAR 21 2011					N PST: N

INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/25/11

LINE NO.	QTY	UOM	ITEM NUMBER	DESCRIPTION	SHIP DATE	CITY	PRICE	UNIT PRICE	EXTENDED AMOUNT	TAX
14	3000.00	GL	[REDACTED]	ADD. HYDROCHLORIC, 16 PC	MAR 21 2011	[REDACTED]				N PST: N
18	172406.00	LB	[REDACTED]	FLUID LOSS AGENT, WFL-101.100 MESH, BULK	MAR 21 2011	[REDACTED]				N PST: N
16	395946.00	LB	[REDACTED]	PROP. PREMIUM, 3054	MAR 21 2011	[REDACTED]				N PST: N
17	50593.00	LB	[REDACTED]	RESIN COATED PROP. SUPER LC, 3 QSD	MAR 21 2011	[REDACTED]				N PST: N
15	27087.35	EA	[REDACTED]	DELIVERY CHARGE, PROPAK	MAR 21 2011	[REDACTED]				N PST: N
15	1.00	EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 21 2011	[REDACTED]				N PST: N
20	1.00	EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 21 2011	[REDACTED]				N PST: N
21	1.00	EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 21 2011	[REDACTED]				N PST: N

EDI Information
 Recipient Name
 A/E Location ID/Prop.
 Delivery Work Ticket #



EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

TERMS:	[REDACTED]	SUBTOTAL:	1050
TAX:	[REDACTED]	TOTAL:	1050
INVOICE NUMBER:	[REDACTED]		
DATE:	03/25/11		

Weatherford (each term shall include any subsidiary, affiliate or associate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customers. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided to you upon your written request.)
 P030970475M2003A CREDIT: "INTEGRITY" Insurance: Pundit on 03/25/11 10:46:13 AM 11/23/11

CHESAPEAKE ENERGY CORPORATION
CDNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	17	LONG	-81.0195696

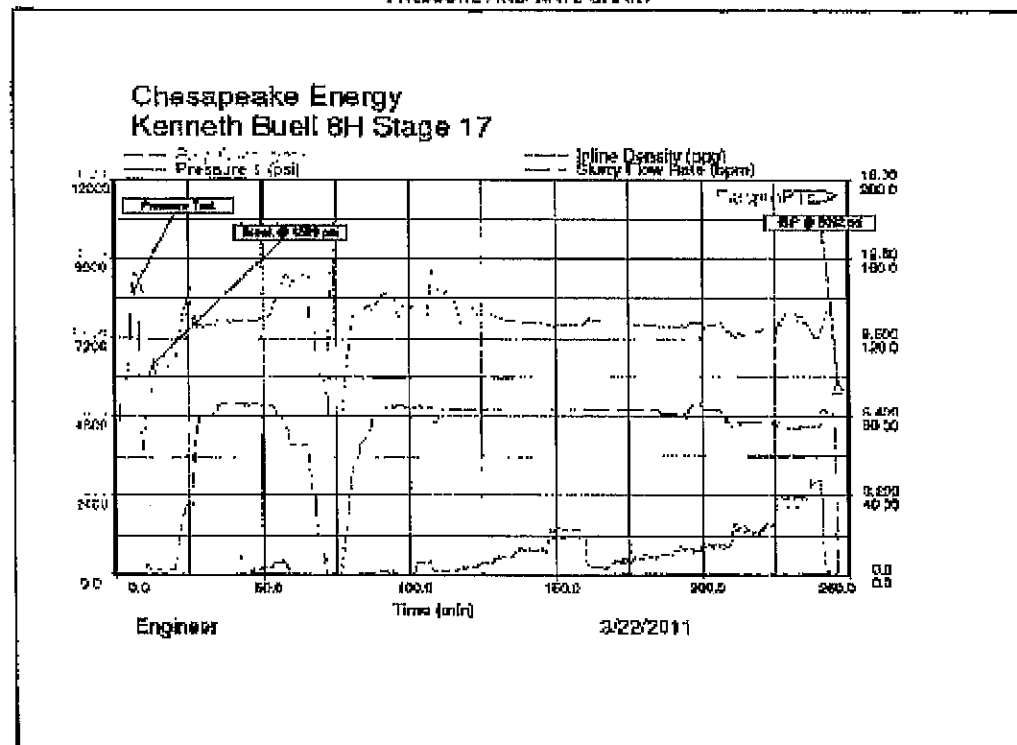
PRESSURES, PSI	MIN	7,079
	MAX	9,333
	AVERAGE	7,715
	ISIP	6,092
	5 MIN	5,503
	10 MIN	5,385
	15 MIN	5,302

RATES, BPM	MIN	72
	MAX	86
	AVERAGE	82

FRAC FLUID TYPE, bbls	Clean	16,335
	Slurry	16,860
	Slickwater	13,545
	X-link	1,300
	Gel	1,717

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	28,759
30/50	411,162
30/50 Resin	45,442
	485,363

PRESSURE AND RATE CHART



SHIP TO: [REDACTED]
WELL: 81
LEASE: BUELL
UNITED STATES



Weatherford
BRANCH PLANT: 28145
WEATHERFORD A/L
ONE WEATHERFORD BLVD
DUGGANVILLE WV 26021
UNITED STATES

PH:
FX:

INVOICE

ORIGINAL

PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ. [REDACTED]
INVOICE DATE: 03/25/11
BILLING PERIOD FROM: MAR 21 2011 TO: MAR 22 2011
DELIVERY TICKET:
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 17 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 21 2011
ORDER NUMBER:
INVOICE NUMBER:

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18498
OKLAHOMA CITY OK 73164
UNITED STATES

LINE NO.	QTY LBS	ITEM NUMBER SERIAL NUMBER	DESCRIPTION	DATE RETURN	QTY UNIT	PRICE AMOUNT	STATUS DISC%	EXTENDED AMOUNT	TAX
1	5.00 GL	[REDACTED]	INHIBITOR, WMA-25110 CATIONIC 1.0% 50	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	30.00 GL	[REDACTED]	IRON CONTROL, WMA-0411 SEQUEST BRANT	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	418.00 GL	[REDACTED]	CLAY CONTROL, WMA-6211 C	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	405.00 GL	[REDACTED]	SURFACTANT, WMA-35211	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	755.00 GL	[REDACTED]	FRICTION REDUCER, WMA-65111	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	300.00 GL	[REDACTED]	SEEDING AGENT, WMA-111	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	55.00 GL	[REDACTED]	CROSSLINK CONTROL, WMA-111, 50 5% 100	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	34.00 GL	[REDACTED]	CROSSLINK CONTROL, WMA-111, 50 10% 100	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	100.00 GL	[REDACTED]	PH ADJUSTING AGENT, WMA-5511	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	130.00 LB	[REDACTED]	BREAKER, WMA-134	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	151.00 GL	[REDACTED]	BREAKER, WMA-135 ACTIVATOR	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	130.00 LB	[REDACTED]	BREAKER, WMA-134	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	19.00 GL	[REDACTED]	RESIN COATED ACTIVATOR, WMA-135 5% 100 GL 100	MAR 21 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

WEATHERFORD A/L 28145 DUGGANVILLE WV 26021

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]

Weatherford

INVOICE

ORIGINAL

PAGE 2 of 2
DATE 03/29/11

LINE NO.	QTY	UNIT	ITEM NUMBER	DESCRIPTION	DATE	TAX
14	181.00	GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PPT	MAR 21 2011	N
15	181720.00	LB	[REDACTED]	FLUID LOSS AGENT, VPL-101, 100 MESH, BULK	MAR 21 2011	N
16	334790.00	LM	[REDACTED]	PROP, PREMIUM, 3000	MAR 21 2011	N
17	17004.00	LB	[REDACTED]	RESIN COATED PROP, SUPER LQ 3	MAR 21 2011	N
18	25703.00	CA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 21 2011	N
19	1.00	EA	[REDACTED]	CHARGE, PUMPING, STORAGE	MAR 21 2011	N
20	1.00	EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 21 2011	N
21	1.00	EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 21 2011	N
22	1.00	EA	[REDACTED]	ADDITIONAL PUMP CHARGE - 3 HRS	MAR 21 2011	N
EDI Information Requester Name APE #1 Local ID/Prop. Delivery Mark Ticket # EDI TRANSACTION FIM ONLY DO NOT MAIL PAYMENT						
TOTAL: [REDACTED] TAX: [REDACTED] TOTAL: [REDACTED]						

Weatherford (and its subsidiaries, affiliates or subsidiaries of Weatherford International Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the customer's applicable service agreement between the parties. In the event that there is no such service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/usa, shall be applicable to the provision of such equipment, materials or services. (A signed copy of these standard terms and conditions will be provided to you upon your written request.)
 WEATHERFORD INTERNATIONAL INC. 11111 W. 42ND ST. SUITE 1000 DALLAS, TX 75244

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	18	LONG	-81.0195696

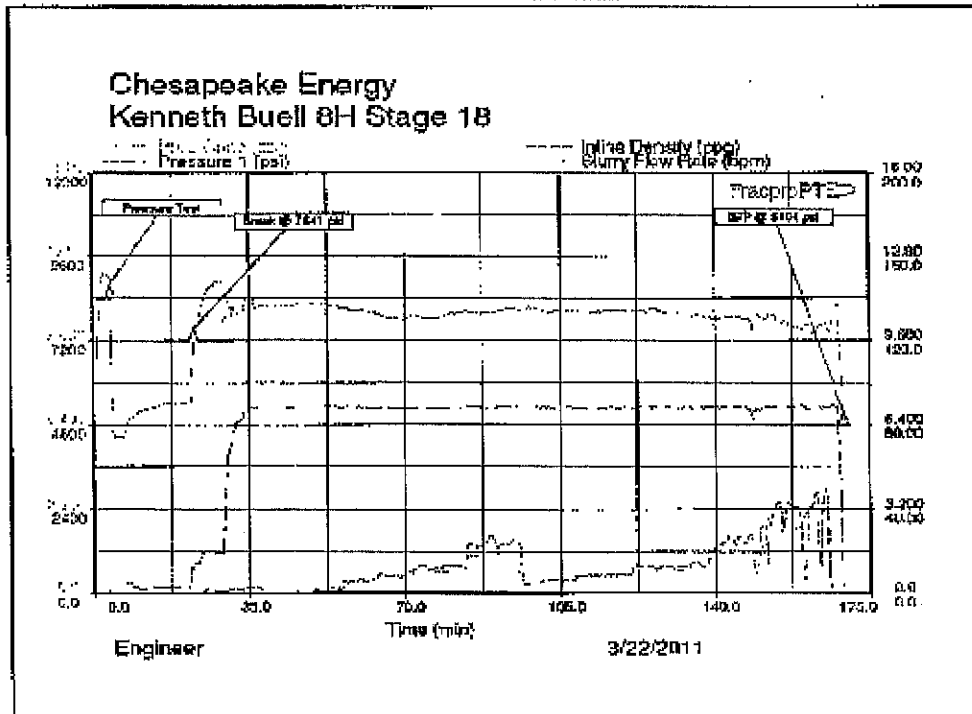
PRESSURES, PSI	MIN	7,297
	MAX	8,253
	AVERAGE	7,943
	ISIP	5,104
	5 MIN	4,724
	10 MIN	4,570
15 MIN	4,465	

RATES, BPM	MIN	7297
	MAX	8253
	AVERAGE	7943

FRAC FLUID TYPE, bbls	Clean	11,629
	Slurry	12,127
	Slickwater	10,301
	X-link	1,128
	Gel	389

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	153,320
30/50	286,601
30/50 Resin	46,442
	486,363

PRESSURE AND RATE CHART



INVOICE NUMBER:
DT NUMBER:



INVOICE

ORIGINAL

PAGE 2 of 2
DATE 03/25/11

LINE NO.	QTY	UNIT	ITEM NUMBER	DESCRIPTION	DATE RETURN	UNIT	GROSS AMOUNT	DUPLICATE	RETERMS AMOUNT	TAX
14	75178.00	LB		FLUID LOSS AGENT, WFL-101, 100 MESH BULK	MAR 22 2011					N PST N
15	362757.00	LB		PROP. PRETREAT, 30310	MAR 22 2011					N PST N
16	10000.00	LB		RESIN COATED PROP SUPER LG, 3 D60	MAR 22 2011					N PST N
17	23443.00	EA		DELIVERY CHARGE, PROPPANT	MAR 22 2011					N PST N
18	1.00	EA		CHARGE, PUMPING, STAGE	MAR 22 2011					N PST N
19	1.00	EA		24 HOUR PUMPING CHARGE	MAR 22 2011					N PST N
20	1.00	EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 22 2011					N PST N

EDI INFORMATION
For Operator Name
AFB 01 Location ID/Prop.
Delivery Work Ticket#

Attention To

DEFAULT

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

TO: [REDACTED]
FROM: [REDACTED]
DATE: 03/25/11

SUPPLIER: [REDACTED]
TOTAL: [REDACTED]

Weatherford (and its subsidiaries, divisions or offices of Weatherford International, Inc.) and its subsidiaries provide the equipment, materials or services to the customer, which customer shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be deemed to be incorporated into the contract of such purchase, regardless of whether a copy of such standard terms and conditions is provided to you upon your purchase.

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WELL COMPLETION RECORD (Form 5)

Ohio Department of Natural Resources
Division of Mineral Resources Management
2046 Morse Road, Bldg. H-3, Columbus, OH 43225-6693
Telephone: 614-265-6833 Fax: 614-265-7888

This report is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below, sign on reverse side (Back) and return to our office within 30 days after expiration.



1. Owner #:		8705		3. API #:		34-087-2 1067-01 00																																																													
2. Owner name, address and telephone numbers:				4. Type of Permit:																																																															
OHIO BUCKEYE ENERGY LLC P.O. BOX 18495 OKLAHOMA CITY, OK 73154 (405) 935-4073				PLUS BACK TO HORIZONTALLY DRILL																																																															
				5. County:																																																															
				HARRISON																																																															
				6. Civil Township:																																																															
				ARCHER																																																															
3. Type of Well:				7. Footage:																																																															
OIL & GAS				TARGET: 2047' NL & 13' EL OF SEC. 5 SURFACE: 1427' NL & 178' WL OF SEC. 10																																																															
9. X:		2416130 Y:		246552		21. Date drilling commenced:																																																													
						1/10/2011																																																													
10. Quad:				22. Date drilling completed:																																																															
JEWETT				2/15/2011																																																															
11. Section:		12. Lot:		23. Date put into production:		6/14/2011																																																													
10		12																																																																	
13. Fraction:				24. Date plugged & dry:																																																															
14. Ctr. Twp:																																																																			
15. Tract:				25. Producing formation:																																																															
				UTICA																																																															
16. Allot:				26. Deep-sea formation:																																																															
				UTICA																																																															
17. Well #:				27. Driller's total depth:																																																															
BUELL 88H				15,228' (MD)																																																															
18. Lease Name:				28. Logger's total depth:																																																															
NORTH AMERICAN COAL ROYALTY CO				N/A																																																															
19. PTD:		20. Drilling Unit:		28. Lost hole at:		N/A Test																																																													
8411		177.4																																																																	
30. Type of hole:				31. Type of completion:																																																															
☐ Cable ☐ Fluid Rotary ☐ Cable/Air Rotary ☐ Cable/Fluid Rotary				☐ Open Hole ☒ Through Casing ☐ Slotted Liner																																																															
☐ Air Rotary ☒ Air/Fluid Rotary ☐ Service Rig ☐ Casing/Air Rotary/Fluid Rotary				32. Elevation:																																																															
				Ground Level 1,317'																																																															
				Derrick Floor 1,345'																																																															
				Kelly Building 1,346'																																																															
33. Perforated intervals and number of shots: (8,662' - 15,080') 1080 shots																																																																			
34. Name of Frac Company: Weatherford																																																																			
35. Method of shot, acid, or frapping treatments, production tests, pressures, etc.:																																																																			
<table border="0"> <tr> <td colspan="2">SHOT:</td> <td colspan="2">ACID:</td> <td colspan="2">FRAC FLUIDS:</td> <td colspan="2">SAND:</td> <td colspan="2">PRESSURES (psi):</td> </tr> <tr> <td>Lbs.</td> <td>X</td> <td>Gals.</td> <td>X</td> <td>Water (gals)</td> <td>X</td> <td>Lbs.</td> <td>9,437,223</td> <td>Breakdown</td> <td>7,287</td> </tr> <tr> <td>Dts.</td> <td>X</td> <td>Type</td> <td>X</td> <td>Water (bbl)</td> <td>256,741</td> <td>Sks.</td> <td>X</td> <td>ATP</td> <td>6,132</td> </tr> <tr> <td>Type</td> <td>X</td> <td>Percent</td> <td>X</td> <td>CO2 (tons)</td> <td>X</td> <td></td> <td></td> <td>ISIP</td> <td>6,195</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>N2 (mcf)</td> <td>X</td> <td></td> <td></td> <td>5 min. SIP</td> <td>5,777</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Avg. Rate</td> <td>81</td> </tr> </table>								SHOT:		ACID:		FRAC FLUIDS:		SAND:		PRESSURES (psi):		Lbs.	X	Gals.	X	Water (gals)	X	Lbs.	9,437,223	Breakdown	7,287	Dts.	X	Type	X	Water (bbl)	256,741	Sks.	X	ATP	6,132	Type	X	Percent	X	CO2 (tons)	X			ISIP	6,195					N2 (mcf)	X			5 min. SIP	5,777									Avg. Rate	81
SHOT:		ACID:		FRAC FLUIDS:		SAND:		PRESSURES (psi):																																																											
Lbs.	X	Gals.	X	Water (gals)	X	Lbs.	9,437,223	Breakdown	7,287																																																										
Dts.	X	Type	X	Water (bbl)	256,741	Sks.	X	ATP	6,132																																																										
Type	X	Percent	X	CO2 (tons)	X			ISIP	6,195																																																										
				N2 (mcf)	X			5 min. SIP	5,777																																																										
								Avg. Rate	81																																																										
METHOD OF FLUID CONTAINMENT FLUIDS: PIT: FRAC TANK: Swab ☐ ☒ ☒ Flowback ☐ ☐ ☒																																																																			
DATE TREATED: 3/3/2011																																																																			
36. Amount of initial production per day:																																																																			
<table border="0"> <tr> <td></td> <td></td> <td>(MCF)</td> <td></td> <td>(Bbls.)</td> <td></td> <td>(Bbls.)</td> </tr> <tr> <td>Natural:</td> <td>Gas</td> <td>X</td> <td>Oil</td> <td>X</td> <td>Brine</td> <td>X</td> </tr> <tr> <td>After Treatment:</td> <td>Gas</td> <td>6,187</td> <td>Oil</td> <td>58</td> <td>Brine</td> <td>220</td> </tr> <tr> <td>SERO Data:</td> <td>Number of Tanks:</td> <td>6</td> <td>Maximum Storage Capacity of all Tanks (bbls.)</td> <td colspan="3">2400</td> </tr> </table>										(MCF)		(Bbls.)		(Bbls.)	Natural:	Gas	X	Oil	X	Brine	X	After Treatment:	Gas	6,187	Oil	58	Brine	220	SERO Data:	Number of Tanks:	6	Maximum Storage Capacity of all Tanks (bbls.)	2400																																		
		(MCF)		(Bbls.)		(Bbls.)																																																													
Natural:	Gas	X	Oil	X	Brine	X																																																													
After Treatment:	Gas	6,187	Oil	58	Brine	220																																																													
SERO Data:	Number of Tanks:	6	Maximum Storage Capacity of all Tanks (bbls.)	2400																																																															
37. Casing and tubing record: Please indicate which is used (cement or molding)																																																																			
Type	Size	Feet Used in Drilling	Amount of Cement or Mud	Feet Lost in Well																																																															
Conductor/Drive Pipe	20"		238 sks	80'																																																															
Surface:	13 3/8"		322 sks	315.85'																																																															
Intermediate:	9 5/8"		710 sks	1537.20'																																																															
Production:	6 1/2"		2833 sks	15,231.20'																																																															
Tubing:																																																																			
Comments:																																																																			
38. Name of drilling contractor: NOMAC																																																																			
39. Type of electrical and/or radioactivity logs run: (all logs must be submitted) ARRAY INDUCTION, COMPENSATED NEUTRON/LITHO-DENSITY																																																																			
40. Name of logging company: SCHLUMBERGER																																																																			
DIVISION USE ONLY																																																																			
Log Submitted		Y / N		FRAC DATA SUBMITTED:		Well Class:																																																													
Confidential		Y / N		Pressure/Rate Graph		☐																																																													
				Retard		☐																																																													
				Inventory		☐																																																													

FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or brine; indicate depth or interval	REMARKS
Freshwater Strata				
Glacial Deposits				
Coal Seams				
1st Cow Run				
Buell Run				
2nd Cow Run				
Salt Sand				
Maxton Sand				
Keener Sand				
Big Injun Sand	1053		Water @ 1200'	
Squaw Sand				
Mississippian Shale				
Weir Sand				
Berea Sand	1563			
Bedford Shale				
2nd Berea				
Ohio Shale	1601			
Gentz				
Thirty Foot				
Gordon				
Cincinnati				
Marcellus	4589		Gas show at 4570'	
Big Lime	4643			
Sylvania				
Onkaway				
Bass Island				
Salina	5115			
Salt Section				
Newburg				
Lockport	5364			
Little Lime				
Packer Shell	6573			
Siray Clinton				
Red Clinton				
White Clinton				
Medina				
Queenston	6748			
Ulaca	8236		Gas show 8250'	
Trenton				
Black River				
Gulf River				
Glenwood Shale				
Knox Unconformity				
Beckmantown				
Rose Run				
Traverse/Copper Ridge				
"B" Zone				
Krysk				
Karbel				
Conasauga				
Roma				
Mt. Simon				
Granite Wash				
Middle Run				
Granta				
I certify that the above information is true and correct, to the best of my knowledge:				
<i>Bonnie Griggs</i> (SIGNATURE)			8/18/2011 (DATE)	
Bonnie Griggs (NAME typed or printed)			Regulatory Compliance Specialist: (TITLE)	
Ohio Buckeye Energy, LLC (REPRESENTING)				

WELL COMPLETION RECORD (Form 8)

Ohio Department of Natural Resources
Division of Mineral Resources Management
2045 Morse Road, Bldg. H-3, Columbus, OH 43229-6993
Telephone: 614-265-6633 Fax: 614-265-7898

This report is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below, sign on reverse side (Back), and return to our office within 30 days after expiration.

☐

1. Owner #: 8705		3. API #: 34-357-2-1057-01-00																																				
2. Owner name, address and telephone numbers: OHIO BUCKEYE ENERGY LLC P.O. BOX 18486 OKLAHOMA CITY, OK 73154 (405) 936-4073		4. Type of Permit: PLUG BACK TO HORIZONTALLY DRILL																																				
5. County: HARRISON		6. Civil Township: ARCHER																																				
7. Footage: TARGET: 2047' NL & 13' EL OF SEC. 9 SURFACE: 1427' NL & 1788' WL OF SEC. 10		8. Type of Well: OIL & GAS																																				
9. X: 2416130 Y: 246552	21. Date drilling commenced: 1/19/2011																																					
10. Quad: JEWETT	22. Date drilling completed: 2/13/2011																																					
11. Section: 10 12. Lot:	23. Date put into production: 3/14/2011																																					
13. Fraction: 14. Qtr.Twp:	24. Date plugged if dry:																																					
15. Tract:	25. Producing formation: UTICA																																					
16. Allot:	26. Deepest formation: UT CA																																					
17. Well #: BUELL #6H	27. Driller's total depth: 15,226' (MD)																																					
18. Lease Name: NORTH AMERICAN COAL ROYALTY CO	28. Logger's total depth: N/A																																					
19. PTD: 8411 20. Drilling Unit: 177.4	29. Lost hole at: N/A feet																																					
30. Type of tools: ☐ Cable ☐ Air Rotary ☐ Field Rotary ☒ Air/Fluid Rotary ☐ Cable/Air Rotary ☐ Service Rig ☐ Cable/Fluid Rotary ☐ Cable/Air Rotary/Fluid Rotary		31. Type of completion: 32. Elevation: ☐ Open Hole Ground Level 1,317' ☒ Through Casing Derrick Floor 1,345' ☐ Slotted Liner Kelly Bushing 1,348'																																				
33. Perforated intervals and number of shots: (8,652' - 15,080') 1090 shots																																						
34. Name of Frac Company: Weatherford																																						
35. Method of shot, acid, or fracture treatments, production tests pressures, etc.: <table border="0"> <tr> <td>SHOT:</td> <td>ACID:</td> <td>FRAC FLUIDS:</td> <td>SAND:</td> <td>PRESSURES (psi):</td> </tr> <tr> <td>Lbs. X</td> <td>Gals. X</td> <td>Water (gals) X</td> <td>Lbs. 9,437,223</td> <td>Breakdown 7,297</td> </tr> <tr> <td>Qts. X</td> <td>Type X</td> <td>Water (bbl) 258,741</td> <td>\$/lb. X</td> <td>ATP 8,132</td> </tr> <tr> <td>Type X</td> <td>Percent X</td> <td>CO2 (tons) X</td> <td></td> <td>ISIP 6,186</td> </tr> <tr> <td></td> <td></td> <td>N2 (mcsf) X</td> <td></td> <td>5 min. SIP 5,777</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Avg. Rate 81</td> </tr> </table>				SHOT:	ACID:	FRAC FLUIDS:	SAND:	PRESSURES (psi):	Lbs. X	Gals. X	Water (gals) X	Lbs. 9,437,223	Breakdown 7,297	Qts. X	Type X	Water (bbl) 258,741	\$/lb. X	ATP 8,132	Type X	Percent X	CO2 (tons) X		ISIP 6,186			N2 (mcsf) X		5 min. SIP 5,777					Avg. Rate 81					
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METHOD OF FLUID CONTAINMENT <table border="0"> <tr> <td>FLUIDS:</td> <td>PIT:</td> <td>FRAC TANK:</td> </tr> <tr> <td>Swab ☐</td> <td>☐</td> <td>☒</td> </tr> <tr> <td>Flowback ☐</td> <td>☐</td> <td>☒</td> </tr> </table>				FLUIDS:	PIT:	FRAC TANK:	Swab ☐	☐	☒	Flowback ☐	☐	☒																										
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DATE TREATED: 3/8/2011																																						
36. Amount of initial production per day: <table border="0"> <tr> <td></td> <td>(MCF.)</td> <td>(Bbls.)</td> <td>(Bbls.)</td> </tr> <tr> <td>Natural:</td> <td>Gas X</td> <td>Oil X</td> <td>Brine X</td> </tr> <tr> <td>After Treatment:</td> <td>Gas 6,187</td> <td>Oil 59</td> <td>Brine 220</td> </tr> <tr> <td>SERC Data:</td> <td>Number of Tanks: 6</td> <td colspan="2">Maximum Storage Capacity of all Tanks (bbls.) 2400</td> </tr> </table>					(MCF.)	(Bbls.)	(Bbls.)	Natural:	Gas X	Oil X	Brine X	After Treatment:	Gas 6,187	Oil 59	Brine 220	SERC Data:	Number of Tanks: 6	Maximum Storage Capacity of all Tanks (bbls.) 2400																				
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37. Casing and tubing record: Please indicate which is used (cement or mudding) <table border="0"> <tr> <th>Type</th> <th>Size</th> <th>Feet Used in Drilling</th> <th>Amount of Cement or Mud</th> <th>Feet Left in Well</th> </tr> <tr> <td>Conductor/Drive Pipe:</td> <td>20"</td> <td></td> <td>238 sks</td> <td>60'</td> </tr> <tr> <td>Surface:</td> <td>13 3/8"</td> <td></td> <td>322 sks</td> <td>315.89'</td> </tr> <tr> <td>Intermediate:</td> <td>9 5/8"</td> <td></td> <td>710 sks</td> <td>1837.20'</td> </tr> <tr> <td>Production:</td> <td>5 1/2"</td> <td></td> <td>2833 sks</td> <td>15,231.20'</td> </tr> <tr> <td>Tubing:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Comments:</td> <td colspan="4"></td> </tr> </table>				Type	Size	Feet Used in Drilling	Amount of Cement or Mud	Feet Left in Well	Conductor/Drive Pipe:	20"		238 sks	60'	Surface:	13 3/8"		322 sks	315.89'	Intermediate:	9 5/8"		710 sks	1837.20'	Production:	5 1/2"		2833 sks	15,231.20'	Tubing:					Comments:				
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Comments:																																						
38. Name of drilling contractor: NOMAC																																						
39. Type of electrical and/or radioactivity logs run: (all logs must be submitted) ARRAY INDUCTION; COMPENSATED NEUTRON/LITHO-DENSITY																																						
40. Name of logging company: SCHLUMBERGER																																						
DIVISION USE ONLY <table border="0"> <tr> <td>Log Submitted: ☒ Y ☐ N</td> <td>FRAC DATA SUBMITTED:</td> <td>Well Class: ☒ T ☐ F</td> </tr> <tr> <td>Confidential: ☐ Y ☒ N</td> <td>Pressure/Rate Graph ☒</td> <td></td> </tr> <tr> <td></td> <td>Record ☐</td> <td></td> </tr> <tr> <td></td> <td>Invoice ☐</td> <td></td> </tr> </table>				Log Submitted: ☒ Y ☐ N	FRAC DATA SUBMITTED:	Well Class: ☒ T ☐ F	Confidential: ☐ Y ☒ N	Pressure/Rate Graph ☒			Record ☐			Invoice ☐																								
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DNR 5807 (Rev. 06/2010)
Division of Mineral
Resources Management

FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or brine; Indicate depth or interval	REMARKS
Freshwater Strata				
Glacial Deposits				
Coal Seams				
1st Cow Run				
Bucll Run				
2nd Cow Run				
Salt Sand				
Maxton Sand				
Keener Sand				
Big Injun Sand	1053		Water @ 1200'	
Squaw Sand				
Mississippian Shale				
Weir Sand				
Berea Sand	1563			
Bedford Shale				
2nd Berea				
Ohio Shale	1601			
Gantz				
Thirty Foot				
Gordon				
Cinnamon				
Marcellus	4589		Gas show at 4570'	
Big Lime	4643			
Sylvania				
Oriskany				
Base Island				
Salina	5115			
Salt Section				
Newburg				
Lockport	5684			
Little Lime				
Packer Shell	6573			
Stray Clinton				
Red Clinton				
White Clinton				
Medina				
Queenston	6748			
Ulrica	8236		Gas show 8250'	
Trenton				
Black River				
Gull River				
Glenwood Shale				
Knox Unconformity				
Beekmantown				
Rose Run				
Trempealeau/Copper Ridge				
"B" Zone				
Kryslk				
Kerbel				
Conasauga				
Rome				
Mt. Simon				
Granite Wash				
Middle Run				
Granite				

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Division of Mineral
Resources Management

I certify that the above information is true and correct, to the best of my knowledge:


 (SIGNATURE)
 Bonnie Griggs
 (NAME typed or printed)


 (DATE)
 Regulatory Compliance Specialist
 (TITLE)

Ohio Buckeye Energy, LLC
 (REPRESENTING)



Regulatory Department

August 18, 2011

Mr. Steve Opritza
Ohio Department of Natural Resources
2045 Morse Road, Building H-3
Columbus, OH 43229-6693

RE: North American Coal Royalty Co. Buell #8H - API 34-067-2-1057-01-00)
Horizontal Final Completion Report (Form 8)

Dear Mr. Opritza:

Ohio Buckeye Energy, L.L.C. submits the enclosed *Horizontal Final Well Completion Record* (Form 8) for the North American Coal Royalty Co. Buell #8H well located in Harrison County, Ohio. The package contains the following:

- 1 original and 1 copy of signed Well Completion Record (Form 8);
- 1 job summary sheet showing volumes, types of fluids, proppant, rates and pressures of frac job;
- Pressure rate graph;
- Invoice detailing frac job;
- Copy of cementing ticket for production casing; and
- 1 original letter requesting 1 year confidentiality on electric logs.

Please feel free to contact us if you have any questions.

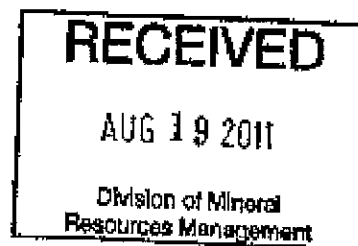
Sincerely,

Ohio Buckeye Energy, L.L.C.

Bonnie Griggs

Bonnie Griggs
Regulatory Compliance Specialist

Enclosures





Regulatory Department

August 18, 2011

Mr. Steve Opritza
Ohio Department of Natural Resources
2045 Morse Road, Building H-3
Columbus, OH 43229-6693

RE: Confidential Electric Log Filing:
North American Royalty Co. Buell #8H
(API 34-067-2-1057-01-00)

Dear Mr. Opritza:

Ohio Buckeye Energy, L.L.C. would like to request confidentiality for one (1) year on all electric logs for the above referenced well because of propriety information that if released prematurely could jeopardize future operations.

Please feel free to contact us if you have any questions.

Sincerely,

Ohio Buckeye Energy, L. L. C.

Bonnie Griggs
Regulatory Compliance Specialist

Enclosures

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AUG 19 2011

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Schlumberger

Service Contract Number

Division of Mineral
Invoice Management

CHESAPEAKE OPERATING, INC. - FOR INVOICING ONLY (EDI)

Left District	Date: 10-Feb-2011	Time: 6:00 PM
Arrive Location	Date: 11-Feb-2011	Time: 12:00 AM
Start Job	Date: 11-Feb-2011	Time: 2:30 AM
Complete Job	Date: 11-Feb-2011	Time: 9:33 AM
Leave Location	Date: 11-Feb-2011	Time: 12:00 PM
Arrived District	Date: 11-Feb-2011	Time: 11:00 PM
Service Description	Cementing Primary, Primary Longstring	

Customer PO	Contract	Well Name & Number KID-CASTE BUELL #H	Field
API	Client Ref	County/Parish/Block/Section Harrison	State/Province OH
Customer or Authorized Representative		SitE Location Winton, WV	Legal Location
API/WT 634067210530000		Prdbook	Rig NOMAC 48

Service Instructions

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Qty	UOM	Unit	Item	Amount
Products						
57990000	SUGAR	200	EA			
A281	Carbon 400	30	GA			
B244	Green-Cide 25G	10	GA			
D020	Bentonite Extender	5332	LB			
D031	Berle	180	QW			
D046	Antifoam Agent, All Purpose	513	LB			
D065	TIC Dispersant	408	LB			
D201	Basic Cement Emulsifier	2196	LB			
D207	General Purpose FLAC	1092	LB			
D901	Cement, Class A	2634	CF			
D970	MUDPUSH II Fresh Water Based Spacer	80	BSL			
B220	Surfactant B220	80	QA			
D236	Antifoaming Agent	10	QA			
D047	Antifoam Agent	20	QA			
D081	Retarder, Liquid	50	QA			
Services						
48010000	Bulk Unit, Cement Add Hr	8	HR			
48020000	Pump, Cement Add Hr	8	HR			
48021000	Silo, Cement	3	EA			
48021000	Cement Plug Container	1	JOB			
48100000	Cement Blending Charge	3055	CF			
49102000	Transportation, Cement Ton-miles	30189	MI			
58200002	Transportation, Mileage Heavy Vehicles	2460	MI			
58200005	Transportation, Mileage Light Vehicles	1230	MI			
59887004	GenCAT Monitoring System	1	JOB			
102476000	Service Supervisor/Field Engineer	4	HR			
102476001	Equipment Operator/Service Technician	7	HR			
102871155	Pump, Casing Cement 16001-15500 ft	1	EA			
102875100	Batch Mixer, 51-100 bbl	1	EA			
102876100	Batch Mixer, 51-100 bbl Add Hr	4	HR			
107136000	Derrick Charge, per job	1	JOB			
107138100	Circulating EQUIPMENT AFTER job	1	EA			

Date Printed: 07-Apr-2011 2:09 PM

This document is Confidential and intended for authorized users only.

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Schlumberger

Service Contract Number

Invoice Mailing Address: CHESAPEAKE OPERATING, INC. - FOR INVOICING ONLY (EDI)		Left District	Date: 10-Feb-2011	Time: 8:00 PM
		Arrive Location	Date: 11-Feb-2011	Time: 12:00 AM
		Start Job	Date: 11-Feb-2011	Time: 2:30 AM
		Complete Job	Date: 11-Feb-2011	Time: 9:38 AM
		Leave Location	Date: 11-Feb-2011	Time: 12:00 PM
		Arrived District	Date: 11-Feb-2011	Time: 11:00 PM
		Service Description	Cementing Primary, Primary Longstring	
Customer PO	Contract	Well Name & Number KENNETH HUELL M	Field	
AFE	Cust Ref	County/Parish/Block/Borough Harrison	State/Province OH	
Customer or Authorized Representative		BLB Location Victon, WV	Legal Location	
APL/UNI 004987210671000		Pinchback	Rig H001AC 45	
Service Instructions:				

Estimated Discounted Total (USD):

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AUG 19 2011

Division of Mineral
Resources Management

THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.

THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED ON RECEIVED AS SET FORTH ABOVE.

Signature of Customer or Authorized Representative:

Signature of Schlumberger Representative:

Date

Duly Corrad

Date

Date Printed: 07-Apr-2011 2:09 PM

Page 2 of 2

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Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Schlumberger

Service Contract Number
 BSMU-00222

Invoice Mailing Address: CHESAPEAKE OPERATING, INC. - FOR INVOICING ONLY (EDI) 		Left District	Date: 10-Feb-2011	Time: 8:00 PM
		Arrive Location	Date: 11-Feb-2011	Time: 12:00 AM
		Start Job	Date: 11-Feb-2011	Time: 2:30 AM
		Complete Job	Date: 11-Feb-2011	Time: 9:33 AM
		Leave Location	Date: 11-Feb-2011	Time: 12:00 PM
		Arrived District	Date: 11-Feb-2011	Time: 11:00 PM
		Service Description: Cementing Primary, Primary Longstring		
Customer PO	Contract	Well Name & Number	Field	
AE	Draft Ref	County/Parish/Block/Borough	State/Province	
Customer or Authorized Representative CHUCK BUTLER		SLB Location	Legal Location	
APSWN			Eq	
0549721657000			ROMAC 43	
Service Instructions: 				

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Qty	Unit	Price	Ext	Amount
Products						
57888000	SUGAR	200	EA			
A231	Cotton 400	35	GA			
B244	Green-Glde 25G	10	GA			
E022	Barbake Extender	5327	LB			
E031	Barla	180	GW			
E048	Antifoam Agent, All Purpose	533	LB			
E065	TIC Dispersant	533	LB			
D201	Beale Cement Enabler	1500	LB			
D207	General Purpose FLAG	1332	LB			
D001	Cement, Class A	2834	DF			
D970	MUDPUSH II Fresh Water Based Spacer	80	BEL			
B220	Surfactant B220	75	GA			
D206	Antifoaming Agent	10	GA			
D047	Antifoam Agent	15	GA			
D081	Retarder, Liquid	50	GA			
Services						
450*6000	Bulk Unit, Cement Add Hr	8	HR			
45026000	Pump, Cement Add Hr	8	HR			
45021000	Slc, Cement	3	EA			
45601000	Cement Plug Container	1	JOB			
49100000	Cement Blending Charge	3055	CF			
49102000	Transportation, Cement Ten-mile	33248	MI			
55200000	Transportation, Mileage Heavy Vehicles	2460	MI			
55200005	Transportation, Mileage Light Vehicles	1840	MI			
59687004	CemCAT Monitoring System	1	JOB			
102478000	Service Supervisor/Field Engineer	4	HR			
102478000	Equipment Operator/Service Technician	7	HR			
102871155	Pump, Casing Cement 15001-15500 N	1	EA			
102875100	Batch Mixer, 51-100 bbl	1	EA			
102878100	Batch Mixer, 51-100 bbl Add Hr	4	HR			
107136000	Derrick Charge, per job	1	JOB			
107136100	Circulating EQUIPMENT AFTER Job	1	EA			

Date Printed: 11-Feb-2011 11:31 AM

This document is Confidential and intended for authorized users only

AUG 19 2011

Division of Mineral

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Schlumberger

Service Contract Number
 BDMU-00222

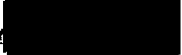
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	Arrived District	Date: 11-Feb-2011	Time: 11:00 PM
	Service Description	Cementing Primary, Primary Longstring	
Customer PO	Contract	Well Name & Number KENNETH RUELLE H	Field
APIE	Dist Ref	County/Parish/Block/Tract Harrison	State/Province OH
Customer or Authorized Representative CHUCK BUTLER	SLR Location Weston, WV	Light Location	
APIUM 43407210470400	Product WAB_GEOREF LML 204 LMD V1	Rg N2MAC 43	
Service Instructions: 			

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 AUG 19 2011
 Division of Mineral
 Resources Management

* correct

THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.

THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.

Signature of Customer or Authorized Representative: Validity unknown  Date: _____	Signature of Schlumberger Representative: Validity unknown  Date: _____
---	--

Date Printed: 11-Feb-2011 11:31 AM

Page 2 of 2

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**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

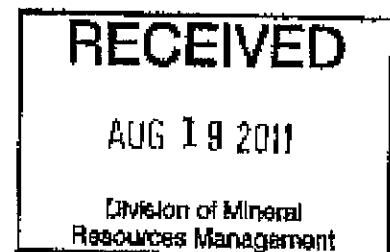
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	1	LONG	-81.0195696

PRESSURES, PSI	MIN	8,590
	MAX	9,199
	AVERAGE	8,807
	ISIP	6,287
	5 MIN	5,021
	10 MIN	4,851
	15 MIN	4,766

RATES, BPM	MIN	63.8
	MAX	75.5
	AVERAGE	73.4

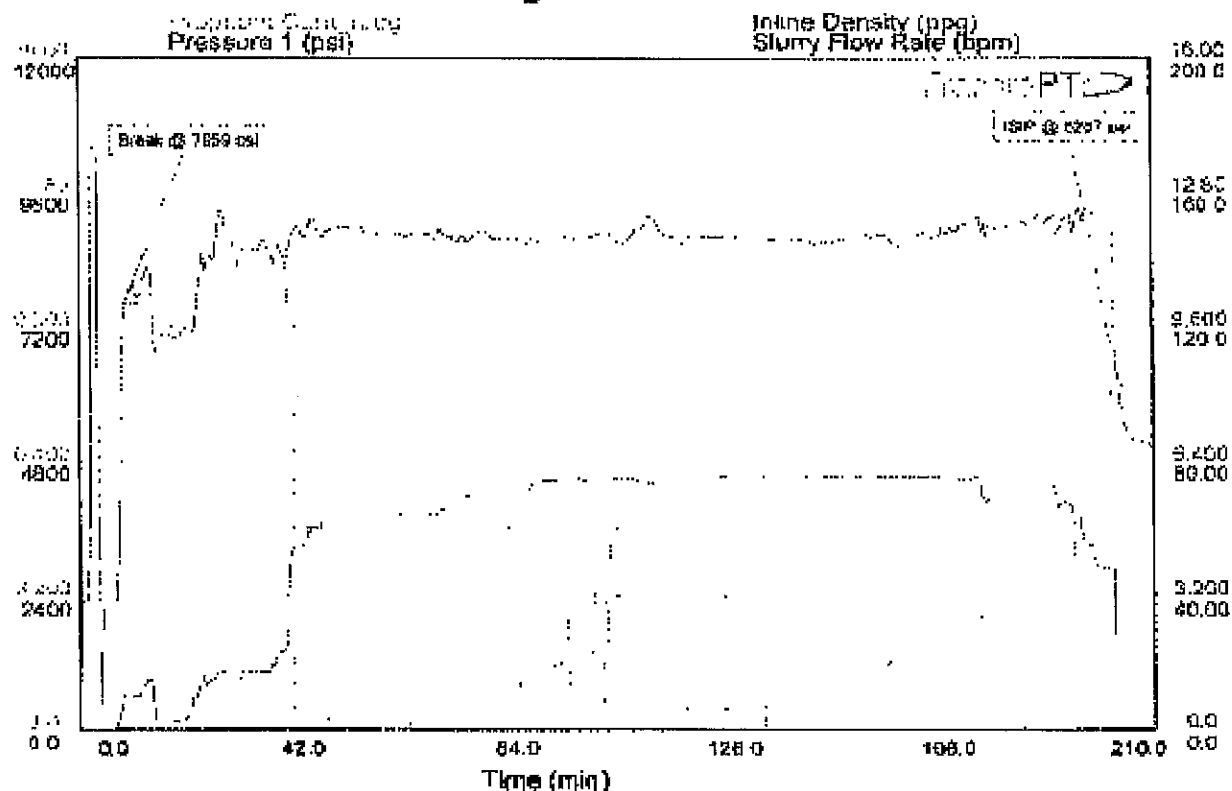
FRAC FLUID TYPE, bbls	Clean	11,215
	Slurry	11,800
	Slickwater	9,924
	Gel	1,291

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	162,472
30/50	324,713
30/50 Resin	26,990
	514,175



PRESSURE AND RATE CHART

**Chesapeake Energy
Kenneth Buell 8H Stage 1**



Treatment data

3/8/2011

SHIP TO: [REDACTED]
WELL: 8H
LEASE: RUF: 1
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
STICKMANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/12/11
BILLING PERIOD FROM: MAR 07 2011 TO: MAR 08 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 1 OF 6
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 07 2011
ORDER NUMBER: [REDACTED]
ENCODE NUMBER: FDC # 5375

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AUG 19 2011

Division of Mineral
Resources Management

CUSTOMER: [REDACTED]
CHICAGOPEAKE ENERGY MARKETING INC
P O BOX 18498
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
1	5.00 G.	[REDACTED]	INHIBITOR, WAI-251LC CATIONIC 1.055 SS	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	25.00 G.	[REDACTED]	IRON CONTROL, WAC-841L SEQUESTERANT	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	475.00 G.	[REDACTED]	CLAY CONTROL, WDS-631LC	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	407.00 G.	[REDACTED]	SURFACTANT, WNE-352LN	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	631.00 G.	[REDACTED]	FRICTION REDUCER, WFR-65CA(W)	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	350.00 G.	[REDACTED]	GELLING AGENT, WGA-45	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	42.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BC DATA DELAYED	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	10.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BC RATE	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	81.00 GL	[REDACTED]	FLUENT AGENT, WPB-584L	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	110.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	42.00 G.	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	70.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	2500.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PCT	MAR 07 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

DO NOT MAIL
EXTRA TRANSACTIONS
ONLY

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ORIGINAL

PAGE 2 of 2

DATE: 03/2/11

LINE NO.	QTY. UOM	ITEM NUMBER / REF NUMBER	DESCRIPTION	SHIP. RETURN	QTY. UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
14	162472.00 LB		FLUID LOSS AGENT, WFL-191.100 MESH, BULK	MAR 07 2011					N PST: N
15	324713.00 LB		PROP, PREMIUM, 3050	MAR 07 2011					N PST: N
16	26930.00 LB		RESIN COATED PROP, SUPER LC. 3 Q50	MAR 07 2011					N PST: N
17	25738.75 EA		DELIVERY CHARGE, PROPPANT	MAR 07 2011					N PST: N
18	1.00 EA		CHARGE PUMPING, STAGE	MAR 07 2011					N PST: N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 07 2011					N PST: N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 07 2011					N PST: N

Attention To

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EDI TRANSACTION
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AUG 19 2011

**Division of Mineral
Resources Management**

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403,12,11

SUBTOTAL: USD

TAX: USD

TOTAL USD

SUBTOTAL (USD)
TAX (USD)
TOTAL (USD)

PSERNVSR58423001 GC86347 #PT237 1cm50mg 5-25-1220-10JCS#1246376

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	2	LONG	-81.0195696

PRESSURES, PSI	MIN	N/A
	MAX	9,699
	AVERAGE	8,328
	ISIP	6,591
	5 MIN	6,408
	10 MIN	6,225
	15 MIN	6,128

RATES, BPM	MIN	N/A
	MAX	89.1
	AVERAGE	80.7

FRAC FLUID TYPE, bbls	Clean	15,903
	Slurry	16,622
	Slickwater	14,708
	X-link	1,195

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	160,814
30/50	326,770
30/50 Resin	60,477
	548,061

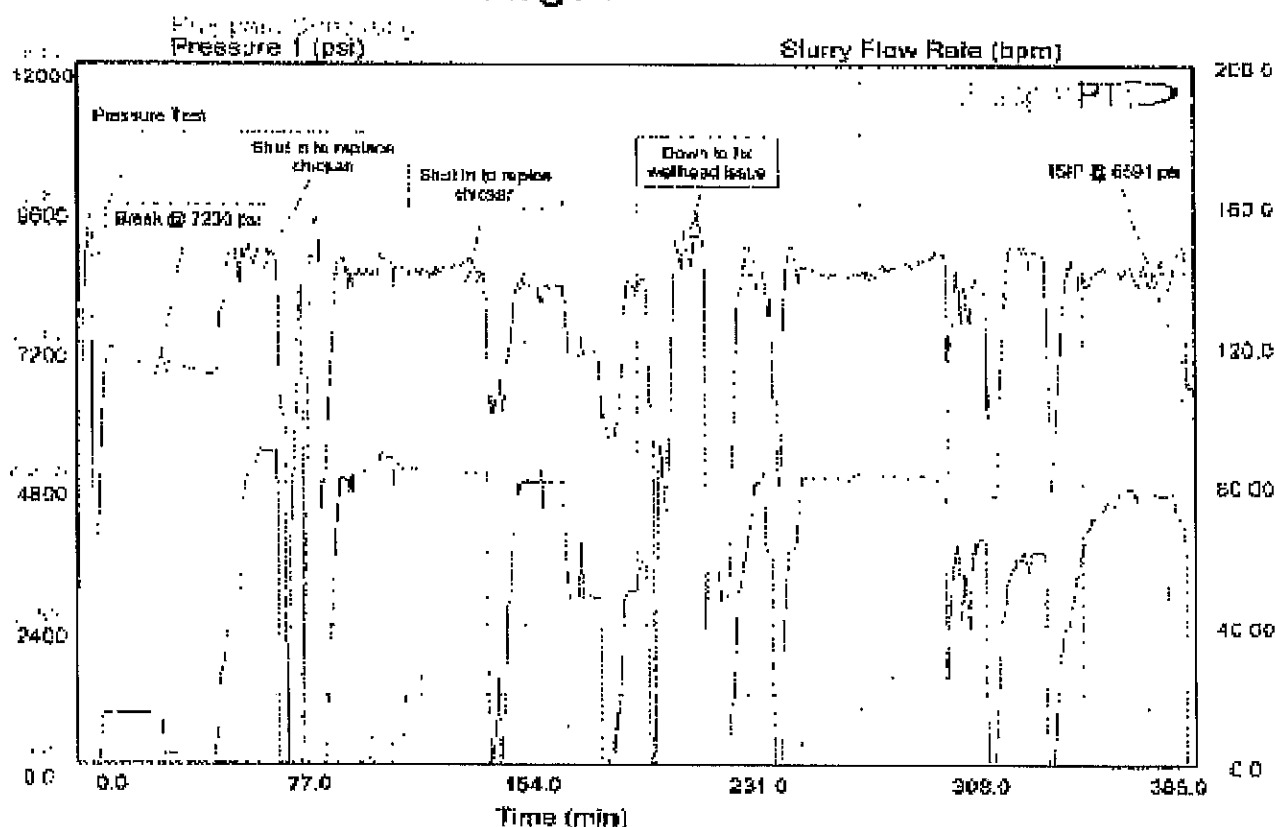
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AUG 19 2011

Division of Mineral
Resources Management

PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell 8H Stage 2



Treatment data

3/11/2011

SHIP TO: [REDACTED]
 WELL: 8H
 LEASE: BUELL
 UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2



BRANCH PLANT: 33110
 WEATHERFORD ALS
 ONE WEATHERFORD BLVD
 BUCK-HANNON WV 25201
 UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
 INVOICE DATE: 03/15/11
 BILLING PERIOD FROM: MAR 08 2011 TO: MAR 11 2011
 DELIVERY TICKET: [REDACTED]
 PREPARED BY: [REDACTED]
 JOB NUMBER: STAGE 2 OF 16
 ORDER DATE: FEB 21 2011
 SHIPPING DATE: MAR 08 2011
 ORDER NUMBER: [REDACTED]
 ENODE NUMBER: [REDACTED]

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Division of Mineral
 Resources Management

CUSTOMER: [REDACTED]
 CHESAPEAKE ENERGY MARKETING INC
 P O BOX 18496
 OKLAHOMA CITY OK 73154
 UNITED STATES

PH:
 FX:

LINE NO.	QTY UNIT	ITEM NUMBER / REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
1	40.00 GL	[REDACTED]	INHIBITION, WA-251LL CATIONIC 1.000 SG	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	50.00 GL	[REDACTED]	IRON CONTROL, WIC-541L SEQUESTERANT	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	528.00 GL	[REDACTED]	CLAY CONTROL, WOS-531LC	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	572.00 GL	[REDACTED]	SURFACTANT, WNE-352LN	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	770.00 GL	[REDACTED]	FRICTION REDUCER, WFR-55LA(W)	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	1155.00 GL	[REDACTED]	GELLING AGENT, WGA-10	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	70.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-104L BC RATE DELAYED	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	48.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-165L BC RATE	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	75.00 GL	[REDACTED]	PH ADJUSTING AGENT, WPB-554L	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	120.00 LB	[REDACTED]	BREAKER, WBK-124	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	98.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	120.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	5000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PCT	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EXTRA TRANSACTIONS
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INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/15/11

LINE NO.	QTY/UNIT	ITEM NUMBER/REF NUMBER	DESCRIPTION	SHIP/RETURN	QTY/UNIT	GROSS AMOUNT	SURCHARGE %	EXTENDED AMOUNT	TAX
14	180814.00 LB	[REDACTED]	FLUID LOSS AGENT, WFL-191, 100 MESH BULK	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
15	326770.00 LB	[REDACTED]	FRCP, PREMIUM, 30'ED	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
16	63477.00 LB	[REDACTED]	RESIN COATED PROF, SUPER LG, 3 1/2"	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
17	27403.05 EA	[REDACTED]	DELIVERY CHARGE, PROP PAN I	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
18	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 08 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N

EDI Information

Requester Name
AFE #/Location ID/Prop.
Delivery/Work Ticket #

JOHN ADGOC
154533
6436891

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Division of Mineral
Resources Management

TERMS
REMIT TO:

TAX
INVOICE NUMBER
DATE

03/15/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or service to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions apply, a copy of which can be found at www.weatherford.com/fts shall be applicable to the provision of such equipment, materials or service. A paper copy of these standard terms and conditions will be provided to you upon your written request.
WFL-191 63477.00 6436891 WFL-191 326770.00 6436891 WFL-191 326770.00 6436891

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	3	LONG	-81.0195696

PRESSURES, PSI	MIN	N/A
	MAX	9,030
	AVERAGE	8,076
	ISIP	6,404
	5 MIN	6,244
	10 MIN	6,172
	15 MIN	6,090

RATES, BPM	MIN	N/A
	MAX	82.3
	AVERAGE	73.9

FRAC FLUID TYPE, bbls	Clean	14,318
	Slurry	14,916
	Slickwater	13,368
	X-link	950

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	160,757
30/50	336,300
30/50 Resin	48,501
TOTAL	545,558

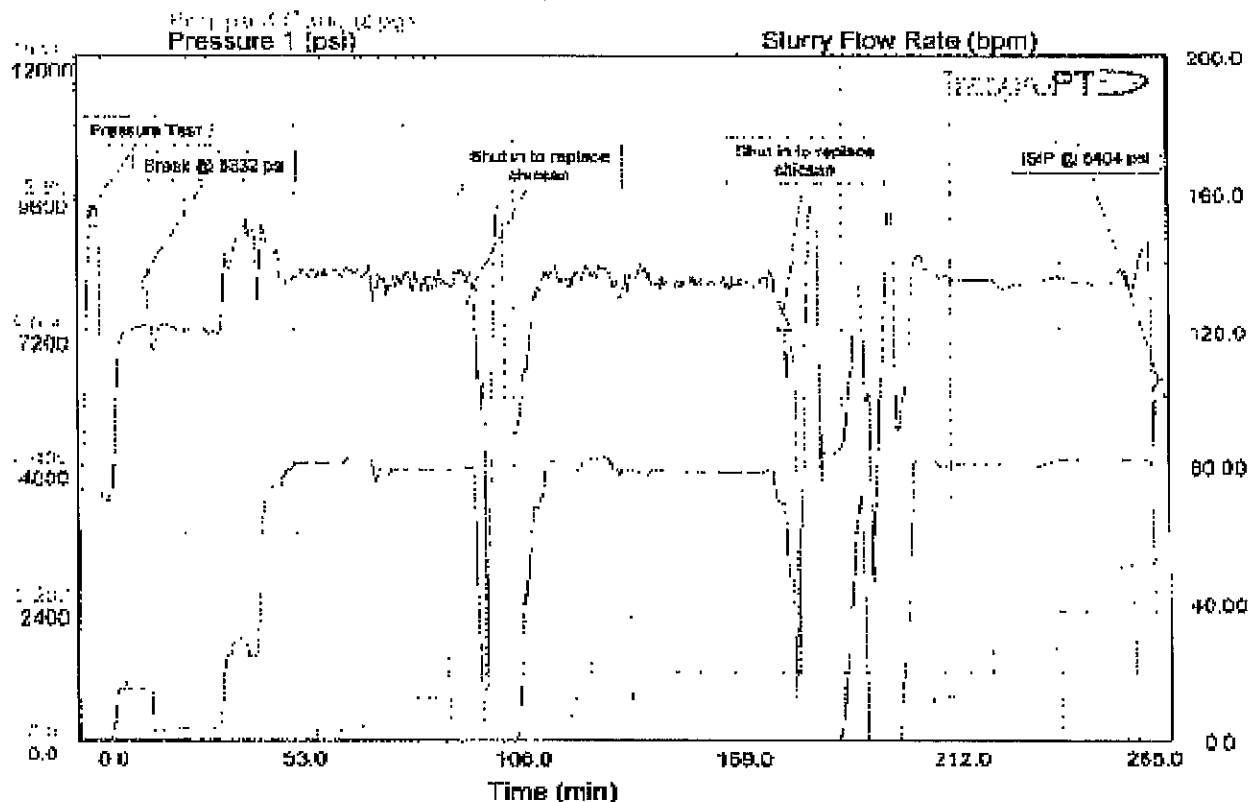
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Division of Mineral
Resources Management

PRESSURE AND RATE CHART

**Chesapeake Energy
Kenneth Buell 8H Stage 3**



Treatment data

3/12/2011

**INVOICE**

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 3311C
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

PH:
Ex:

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/15/11
BILLING PERIOD FROM: MAR 11 2011 TO: MAR 12 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 3 OF 15
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 11 2011
ORDER NUMBER: .
ENODE NUMBER: [REDACTED]

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**Division of Mineral
Resources Management**

CUSTOMER: [REDACTED]
CHFSAPFAKE ENERGY MARKETING INC
P O BOX 18496
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER / REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SUPPLY DISC %	EXPENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAI 25*LC CATIONIC 1.055 SG	MAR 11 2011					N PST: N
2	50.00 GL		IRON CONTROL, W/C-34 IL SEQUEST ERANT	MAR 11 2011					N PST: N
3	545.00 GL		CLAY CONTROL, W/C-63HLC	MAR 11 2011					N PST: N
4	476.00 GL		SURFACTANT, WME-352LN	MAR 11 2011					N PST: N
5	676.00 GL		FRICION REDUCER, WFR 55LN(W)	MAR 11 2011					N PST: N
6	450.00 GL		GELLING AGENT, WCA-30	MAR 11 2011					N PST: N
7	42.00 GL		CROSSLINK CONTROL, WXL 135L BC RATE DELAYED	MAR 11 2011					N PST: N
8	32.00 GL		CROSSLINK CONTROL, WXL 135L BC RATE	MAR 11 2011					N PST: N
9	62.00 GL		PH ADJUSTING AGENT, WPH-534L	MAR 11 2011					N PST: N
10	80.00 LB		BREAKER, WDK-104	MAR 11 2011					N PST: N
11	54.00 GL		BREAKER, WBIK-136L ACTIVATOR	MAR 11 2011					N PST: N
12	55.00 LB		BREAKER, WDK-100	MAR 11 2011					N PST: N
13	6000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 11 2011					N PST: N

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/15/11

LINE NO.	QTY UOM	ITEM NUMBER REP NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	BURD DISC %	EXTENDED AMOUNT	TAX
14	160757.00 LB	[REDACTED]	FLUID LOSS AGENT, WFL-101, 100 MESH, BULK	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	535300.00 LB	[REDACTED]	PROP PREMIUM, 30/50	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	48501.00 LB	[REDACTED]	RESIN COATED PROP, SUPER LG, 30/50	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	27277.50 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 11 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
Requester Name
AFE #/Location ID/Prop.
Delivery/Work Ticket #

Attention To

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EDI TRANSACTION
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AUG 19 2011

Division of Mineral
Resources Management

TERMS
REMIT TO:

TAX
INVOICE NUMBER:
DATE:

03/15/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/Media shall be applicable to the provision of such equipment, materials or services. [A paper copy of these standard terms and conditions will be provided to you upon your written request].
F8881N151 05542555X 0032047 INT 027 FormScope 3.4.1 10-05-10 0018 1723230106

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	4	LONG	-81.0195696

PRESSURES, PSI	MIN	7,680
	MAX	9,145
	AVERAGE	8,402
	ISIP	5,376
	5 MIN	6,052
	10 MIN	5,975
	15 MIN	5,888

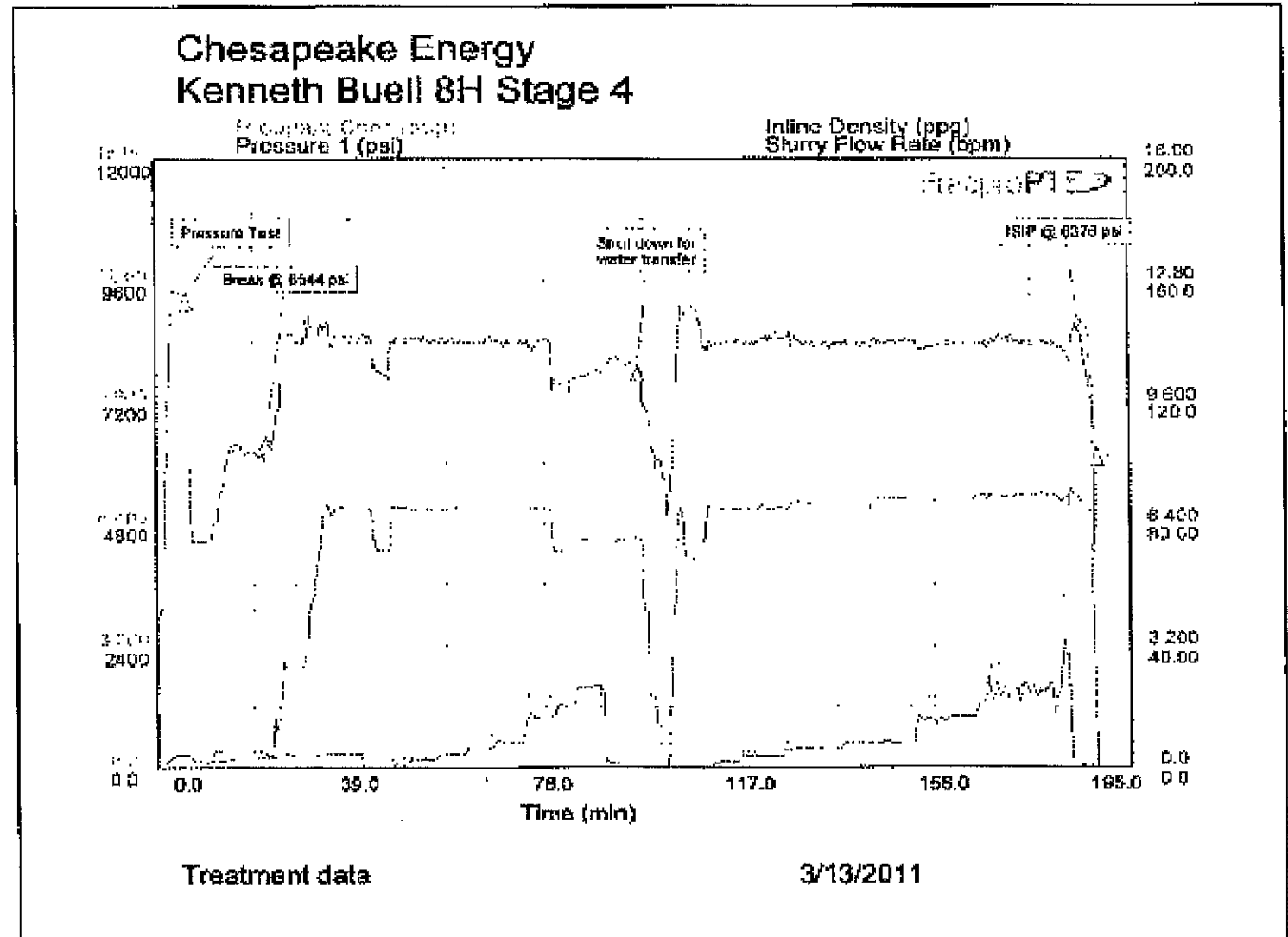
RATES, BPM	MIN	68.5
	MAX	93.4
	AVERAGE	86.7

FRAC FLUID TYPE, bbls	Clean	12,503
	Slurry	13,065
	Slickwater	11,351
	Gel	1,152

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	160,923
30/50	326,902
30/50 Resin	33,826
	521,651



PRESSURE AND RATE CHART



SHIP TO: [REDACTED]
WELL, 8H
LEASE: BUELL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 3311G
WEATHERFORD ALE
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/15/11
BILLING PERIOD FROM: MAR 12 2011 TO MAR 13 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 4 OF 10
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 12 2011
ORDER NUMBER: [REDACTED]
ENODE NUMBER: [REDACTED]

PH:
FX:

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AUG 19 2011

**Division of Mineral
Resources Management**

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18486
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURC DISC %	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAH-251LC CATIONIC 1.055 BG	MAR 12 2011					N PST: N
2	50.00 GL		IRON CONTROL, WIG-641L SEQUESTERANT	MAR 12 2011					N PST: N
3	693.00 GL		CLAY CONTROL, WGS-631LC	MAR 12 2011					N PST: N
4	456.00 GL		SURFACTANT, WNE-362LN	MAR 12 2011					N PST: N
5	514.00 GL		FRICITION REDUCER, WFR-66LA(W)	MAR 12 2011					N PST: N
6	508.00 GL		GELLING AGENT, WGA-61L	MAR 12 2011					N PST: N
7	90.00 GL		CROSSLINK CONTROL, WXL-130L BG RATE DELAYED	MAR 12 2011					N PST: N
8	54.00 GL		CROSSLINK CONTROL, WXL-130L BG RATE	MAR 12 2011					N PST: N
9	115.00 GL		PH ADJUSTING AGENT, WPR-634L	MAR 12 2011					N PST: N
10	90.00 LB		BREAKER, WBK-134	MAR 12 2011					N PST: N
11	55.00 GL		BREAKER, WBK-136L ACTIVATOR	MAR 12 2011					N PST: N
12	60.00 LB		BREAKER, WBK-133	MAR 12 2011					N PST: N
13	5000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 12 2011					N PST: N

INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/15/11

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP METHOD	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
14	160823.00 LB	[REDACTED]	FLUID LOSS AGENT, WFL-191, 100 MESH, BULK	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
15	328902.00 LB	[REDACTED]	PROP, PREMIUM, 30/50	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
16	33826.30 LB	[REDACTED]	RESIN COATED PROP, SUPER LG, 30/50	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
17	26082.55 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
18	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 12 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N

EDI Information
 Requester Name
 AFE #/Location ID/Prop.
 Delivery/Work Ticket #

Attention to

DEFAULT

EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
 Resources Management

TERMS
 REMIT TO:

TAX:

INVOICE NUMBER: 6328444 RI

DATE: 03/15/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (each term that include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/Media, shall be applicable to the provider of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided to you upon your initial request.)

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

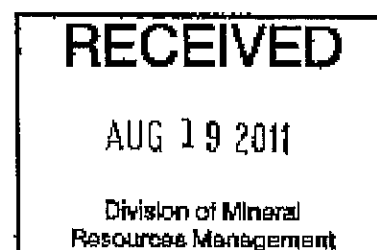
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	5	LONG	-81.0195696

PRESSURES, PSI	MIN	8,227
	MAX	9,499
	AVERAGE	8,604
	ISIP	6,007
	5 MIN	5,506
	10 MIN	5,395
	15 MIN	5,293

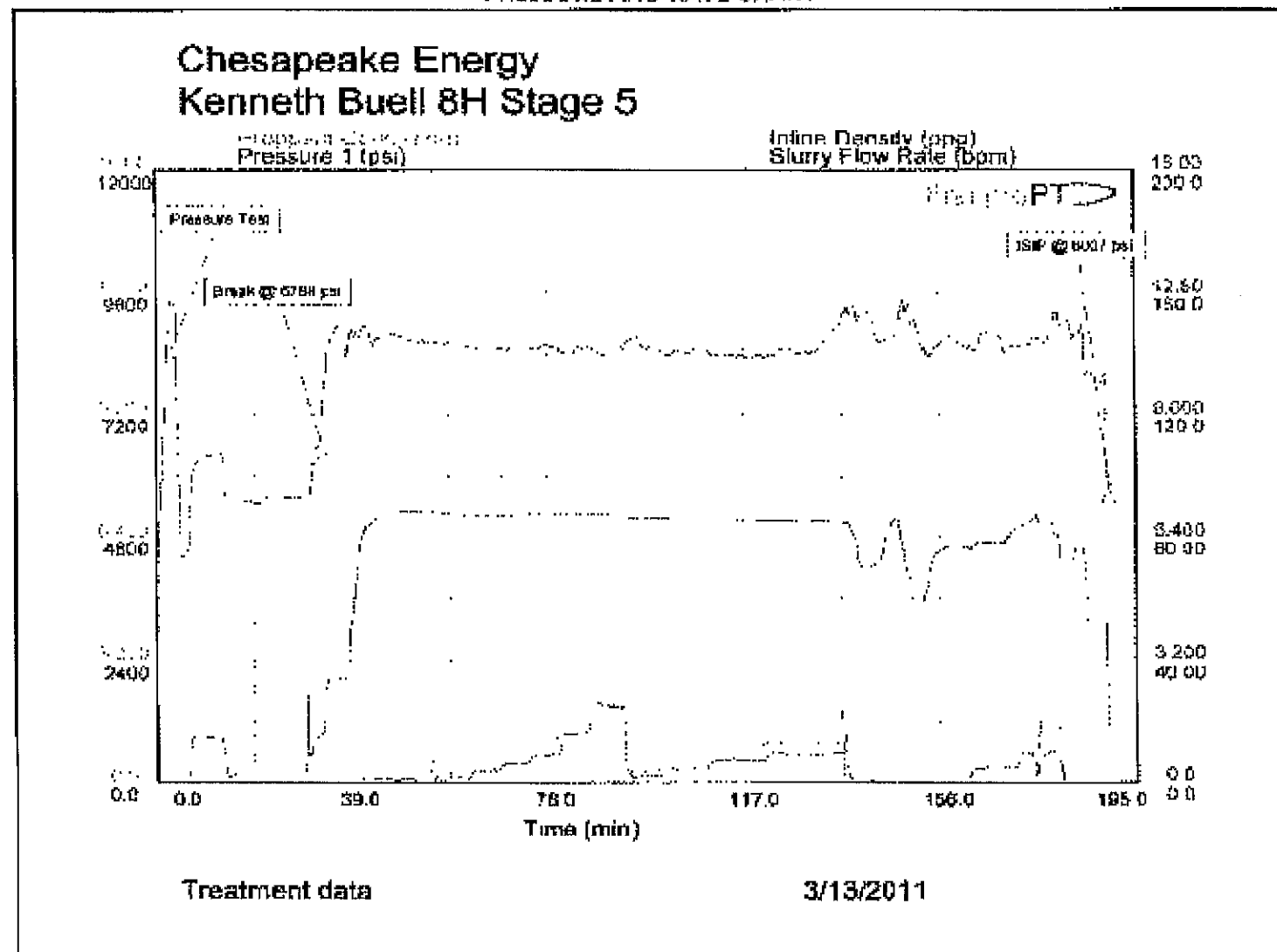
RATES, BPM	MIN	58.7
	MAX	88
	AVERAGE	83

FRAC FLUID TYPE, bbls	Clean	12,429
	Slurry	12,878
	Slickwater	11,900
	Gel	529

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	159,947
30/50	171,655
30/50 Resin	-
	331,602



PRESSURE AND RATE CHART



**INVOICE**

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 3311C
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/15/11
BILLING PERIOD FROM: MAR 13 2011 TO: MAR 18 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 5 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 13 2011
ORDER NUMBER: [REDACTED]
EINODE NUMBER: [REDACTED]

PH:
FX:

CUSTOMER: [REDACTED]
CHEESAPEAKE ENERGY MARKETING INC
P O BOX 18400
OKLAHOMA CITY OK 73154
UNITED STATES

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

LINE NO.	QTY SO.	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RECEIVED	QTY UNIT	CROSS AMOUNT	SUBC DISC %	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAI-251LC CAT 10MID 1.055 BG	MAR 13 2011					N PST: N
2	50.00 GL		IRON CONTROL, WIC-64 JL SEQUEST ERANT	MAR 13 2011					N PST: N
3	554.00 GL		CLAY CONTROL, WOS-631LC	MAR 13 2011					N PST: N
4	544.00 GL		SURFACTANT, WME-352LN	MAR 13 2011					N PST: N
5	501.00 GL		FRICTION REDUCER WFR-55_A(W)	MAR 13 2011					N PST: N
6	360.00 GL		GELLING AGENT, WG4-32	MAR 13 2011					N PST: N
7	31.00 GL		CROSSLINK CONTROL, WXL-100 LB RATE CHANGED	MAR 13 2011					N PST: N
8	20.00 GL		CROSSLINK CONTROL, WXL-105 LB RATE	MAR 13 2011					N PST: N
9	30.00 GL		PH ADJUSTING AGENT, WPB-554L	MAR 13 2011					N PST: N
10	50.00 LB		BREAKER, WBR-134	MAR 13 2011					N PST: N
11	61.00 GL		BREAKER, WBR-135L ACTIVATOR	MAR 13 2011					N PST: N
12	50.00 LB		BREAKER, WBR-133	MAR 13 2011					N PST: N
13	5000.00 GL		ACID, HYDROCHLORIC, 15 PC	MAR 13 2011					N PST: N

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/15/11

LINE NO.	QTY	UNIT	ITEM NUMBER	DESCRIPTION	SHIP RETURN	GROSS AMOUNT	SURC DISC %	EXTENDED AMOUNT	TAX
14	159847.00	LB	[REDACTED]	FLUID LOSS AGENT WFL-191, 100 MESH, BULK	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	171655.00	LB	[REDACTED]	PROP, PREMIUM, 3050	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	15580.10	EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	1.00	EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00	EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00	EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
Requester Name
A/E #/Location D/Prop.
Delivery/Work Ticket#

Attention To

DEFAULT

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

TERMS
REMIT TO:

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

INVOICE NUMBER

DATE: 03/15/11

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.
P0971 MySJR 042903A 0288247 WFT027 Form 0002 3.4.3 10-C5-10-CB #FT027 X/1

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

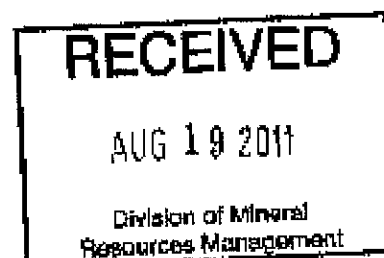
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	6	LONG	-81.0195696

PRESSURES, PSI	MIN	8,029
	MAX	9,333
	AVERAGE	8,352
	ISIP	6,404
	5 MIN	5,992
	10 MIN	5,856
	15 MIN	5,700

RATES, BPM	MIN	61.2
	MAX	82.9
	AVERAGE	77.4

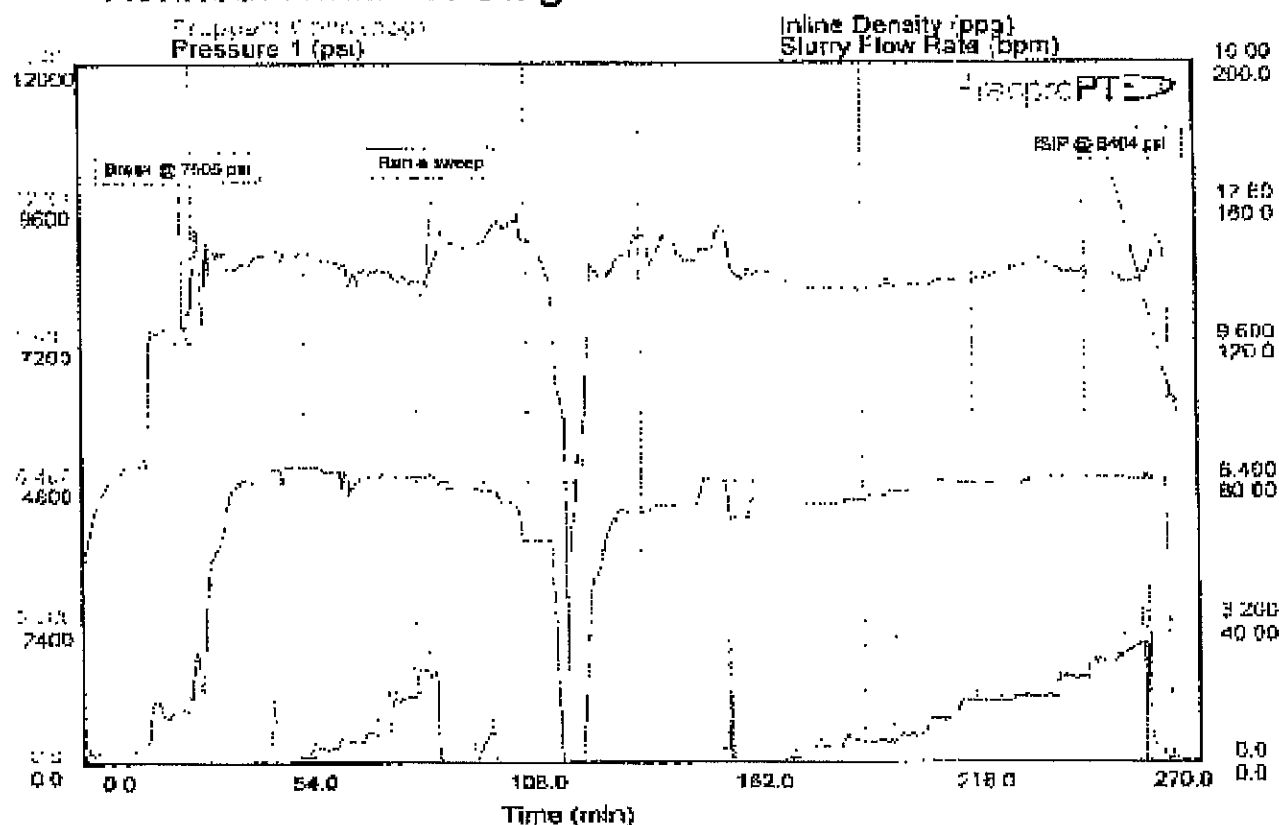
FRAC FLUID TYPE, bbls	Clean	17,026
	Slurry	17,604
	Slickwater	14,925
	Gel	2,101

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	155,636
30/50	324,819
30/50 Resin	56,726
	537,181



PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell 8H Stage 6



Treatment data

3/15/2011

SHIP TO: [REDACTED]
WELL: 8-4
LEASE: BUELL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

PH:
FX:

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/16/11
BILLING PERIOD FROM: MAR 13 2011 TO: MAR 14 2011
DELIVERY TICKET:
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 6 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 13 2011
ORDER NUMBER:
ENODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHICSAPEAKE ENERGY MARKETING INC
P.O. BOX 18488
OKLAHOMA CITY OK 73154
UNITED STATES

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AUG 19 2011

Division of Mineral
Resources Management

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURC DISC%	EXTENDED AMOUNT	TAX
1	10.00 GL	[REDACTED]	INHIBITOR, WAI-251LG CATIONIC 1,055 OG	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	50.00 GL	[REDACTED]	IRON CONTROL, WIC-64NL SEQUEST ERANT	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	751.00 GL	[REDACTED]	CLAY CONTROL, WDS-631LC	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	745.00 GL	[REDACTED]	SURFACTANT, WNE-252 LN	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	767.00 GL	[REDACTED]	FRICTION REDUCER, WFR-65LA(W)	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	1000.00 GL	[REDACTED]	GELLING AGENT, WGA-101	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	91.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BO RATE DELAYED	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	64.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BO RATE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	126.00 GL	[REDACTED]	SEEDING AGENT, WPB-164L	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	150.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	172.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	150.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	5000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PCT	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EXTRA TRANSACTIONS
FOR MAIL ONLY
DO NOT MAIL

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/15/11

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SUBC DISC %	EXTENDED AMOUNT	TAX
14	135639.00 LB	[REDACTED]	FLUID LOSS AGENT WFL-191.100 MESH, BULK	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	324819.00 LB	[REDACTED]	PROP. PREMIUM, 30/50	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	55725.00 LB	[REDACTED]	RESIN COATED PROP, SUPER LG, 3 3/50	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	23859.05 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00 FA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
21	5.00 CL	[REDACTED]	BREAKER, WVK-132L ENZYME	MAR 13 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
Requester Name
AFE #/Location ID/Prop.
Delivery/Work Ticket #



Attention: [REDACTED]

DEFAULT

EDI TRANSACTION
FYI ONLY
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AUG 19 2011

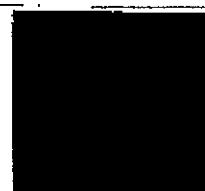
Division of Mineral
Resources Management

TERMS
REMY TO



TAX
INVOICE NUMBER:
DATE: 03/15/11

SUBTOTAL (USD)
TAX (USD)
TOTAL (USD)



Weatherford (each firm shall include any subsidiary, division or affiliate of Weatherford International) and will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com shall be applicable to the provision of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided to you upon your written request.)

Printed on: 03/15/2011 11:05:10 AM by: [REDACTED]

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	7	LONG	-81.0195696

PRESSURES, PSI	MIN	7,670
	MAX	8,650
	AVERAGE	8,193
	ISIP	6,488
	5 MIN	6,208
	10 MIN	6,107
	15 MIN	6,022

RATES, BPM	MIN	78.5
	MAX	85.5
	AVERAGE	82.2

FRAC FLUID TYPE, bbbls	Clean	12,313
	Slurry	12,885
	Slickwater	10,762
	X link	1,391
	Gel	1,551

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	155,347
30/50	340,336
30/50 Resin	35,857
	531,540

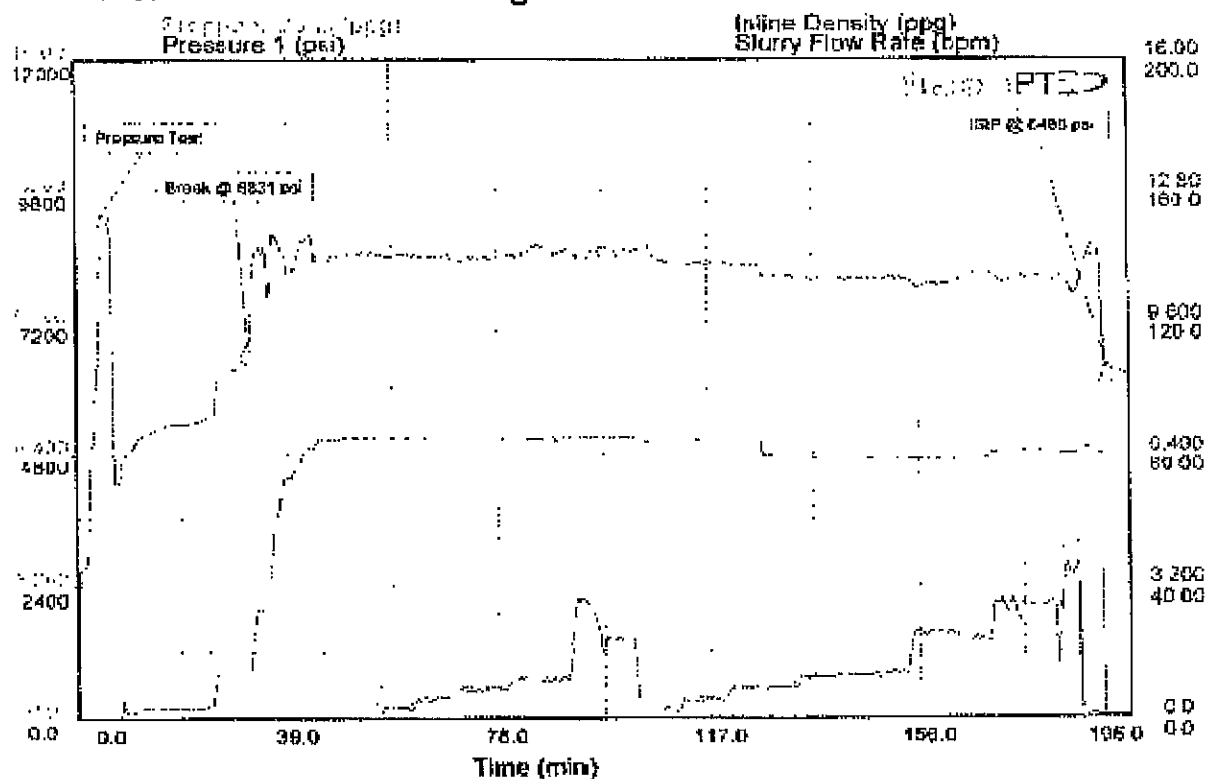
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AUG 19 2011

Division of Mineral
Resources Management

PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell 8H Stage 7



Treatment data

3/15/2011

SHIP TO: [REDACTED]
WELL: 3H
LEASE: BULL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED]

INVOICE DATE: 03/17/11

BILLING PERIOD FROM: MAR 14 2011 TO: MAR 15 2011

DELIVERY TICKET: [REDACTED]

PREPARED BY: [REDACTED]

JOB NUMBER: STAGE 7 OF 10

ORDER DATE: FEB 21 2011

SHIPPING DATE: MAR 14 2011

ORDER NUMBER: [REDACTED]

ENCODE NUMBER: [REDACTED]

PH:
FX:

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKET NG INC
P O BOX 18486
OKLAHOMA CITY OK 73154
UNITED STATES

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC%	EXTENDED AMOUNT	TAX
1	10.00 GL	[REDACTED]	INHIB TOR, WAI-251 LC DATIONIC 1.055 SC	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
2	80.00 GL	[REDACTED]	IRON CONTROL, WIC-641L SEQUESTERANT	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
3	537.00 GL	[REDACTED]	CLAY CONTROL, WCS-631LC	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
4	514.00 GL	[REDACTED]	SURFACTANT, WNE-352LN	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
5	652.00 GL	[REDACTED]	FRICTION REDUCER, WFR-651A(W)	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
6	475.00 GL	[REDACTED]	GELLING AGENT, WGA-65	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
7	61.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BO RATE	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
8	48.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BO RATE	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
9	82.00 GL	[REDACTED]	THICKENING AGENT, WTB-684L	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
10	80.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
11	66.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
12	60.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
13	5000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PCT	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N

EB TRANSACTED
FRI ONLY
DO NOT MAIL PA

INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/17/11

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
14	165347.00 LB	[REDACTED]	FLUID LOSS AGENT, WFL-121,100 MESH, BULK	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	340336.00 LB	[REDACTED]	PROP. PREMIUM, 3050	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	35857.00 LB	[REDACTED]	RESIN COATED PROP, SUPER LC, 3 050	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	29677.00 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00 EA	[REDACTED]	CHARGE PUMPING, STAGE	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 14 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
 Requester Name
 AFE #/Location ID/Prop.
 Delivery Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
 Resources Management

TERMS
 REMIT TO:
 TAX
 INVOICE NUMBER
 DATE: 03/17/11

SUB TOTAL (USD)
 TAX (USD)
 TOTAL (USD)

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services, in accordance with the terms and conditions of the current applicable master services agreement between the parties. In the event that there is no such master services agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.
 15/01/11, 12:54:23, CC85347, WFT007 Transaction Error 4.1.1 10:05:10, CCB # F736211-09

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell BH			
Harrison Co.	OH.	LOCATION LAT	40.3504484
STAGE NUMBER	8	LONG	-81.0195696

PRESSURES, PSI	MIN	7,237
	MAX	8,651
	AVERAGE	8,122
	ISIP	64,344
	5 MIN	6,138
	10 MIN	6,018
	15 MIN	5,926

RATES, BPM	MIN	70.6
	MAX	87.1
	AVERAGE	84

FRAC FLUID TYPE, bbls	Clean	13,056
	Slurry	13,614
	Slickwater	11,832
	X-link	1,243
	Gel	1,224

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	158,130
30/50	328,340
30/50 Resin	32,574
	519,044

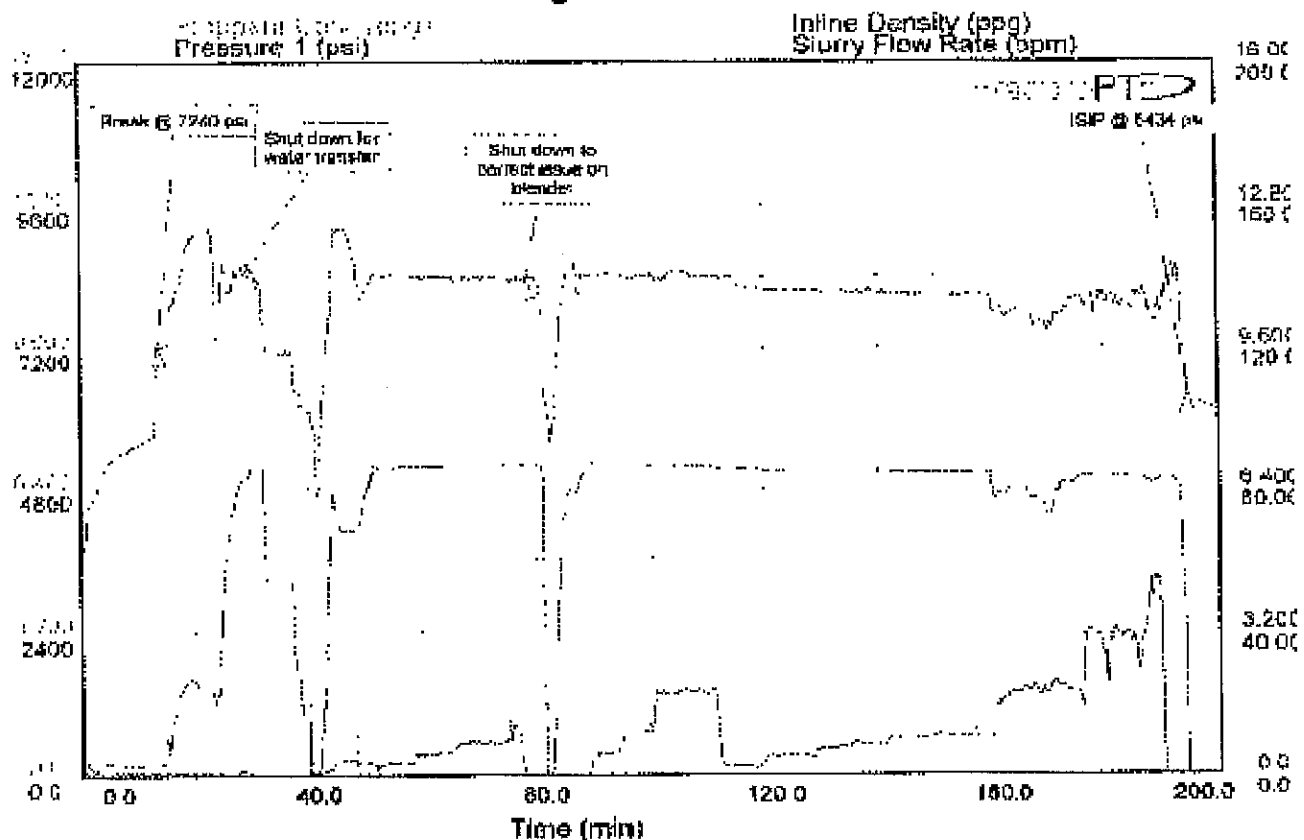
RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell BH Stage 8



Treatment data

3/16/2011

SHIP TO: [REDACTED]
WELL: BH
LEASE: BUELL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 93110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED]
INVOICE DATE: 03/17/11
BILLING PERIOD FROM: MAR 15 2011 TO: MAR 15 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 2 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 15 2011
ORDER NUMBER: [REDACTED]
ENCODE NUMBER: [REDACTED]

PH:
FX:

RECEIVED

AUG 19 2011

Division of Mineral
Resource Management

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18466
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UNIT	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
1	10.00 GL	[REDACTED]	INHIBITOR, WAI-251LC CATIONIC 1.055 SG	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
2	50.00 GL	[REDACTED]	IRON CONTROL, WIC-8411 SFOXFST ERANT	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
3	580.00 GL	[REDACTED]	CLAY CONTROL, WCS-831LC	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
4	477.00 GL	[REDACTED]	SURFACTANT, WNE-352LN	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
5	615.00 GL	[REDACTED]	FRICTION REDUCER, WFR-55LA200	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
6	300.00 GL	[REDACTED]	GELLING AGENT, WGA-151	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
7	53.00 GL	[REDACTED]	CROSSLINK CONTROL, WCL-102L BO DATE DELAYED	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
8	48.00 GL	[REDACTED]	CROSSLINK CONTROL, WCL-102L BO RATE	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
9	77.00 GL	[REDACTED]	PH ADJUSTING AGENT, WFB-554L	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
10	60.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
11	60.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
12	60.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N
13	9000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 POT	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST N

ELI TRANSACTIONS
FYI ONLY
DO NOT MAIL PA

INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/17/11

LINE NO.	QTY	UNIT	ITEM NUMBER	DESCRIPTION	SHIP DATE	GROSS AMOUNT	DISC %	EXTENDED AMOUNT	TAX
14	155100.00	LB	[REDACTED]	FLUID LOSS AGENT, WFL # 91, 100 MESH, BULK	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	328340.00	LB	[REDACTED]	PROP. PREMIUM, 30/50	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	32574.00	LB	[REDACTED]	RESIN COATED PROP, SUPER LG, 30/50	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	25952.20	EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00	EA	[REDACTED]	CHARGE, PUMPING, 5 STAGE	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00	EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00	EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 15 2011	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
 Requester Name
 APE #/Location ID/Prop
 Delivery/Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
 FYI ONLY
 DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
 Resources Management

TERMS
 REMIT TO:

TAX
 INVOICE NUMBER
 DATE

6938712 RI
 03/17/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (South America) includes any subsidiary, division or affiliate of Weatherford International (Inc.) will remain the equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided to you upon your written request.)
 #5261475, #5042555A OCEB5A-2 UN107 Transman Foundation Server 4.1.1 10-65-10 J08 #172641202

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

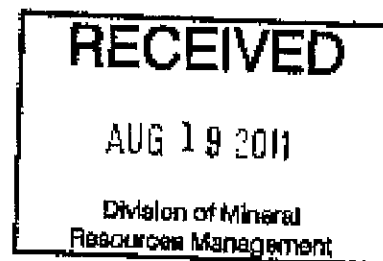
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	9	LONG	-81.0195696

PRESSURES, PSI	MIN	7,705
	MAX	9,352
	AVERAGE	8,007
	ISIP	6,409
	5 MIN	6,057
	10 MIN	5,957
	15 MIN	5,900

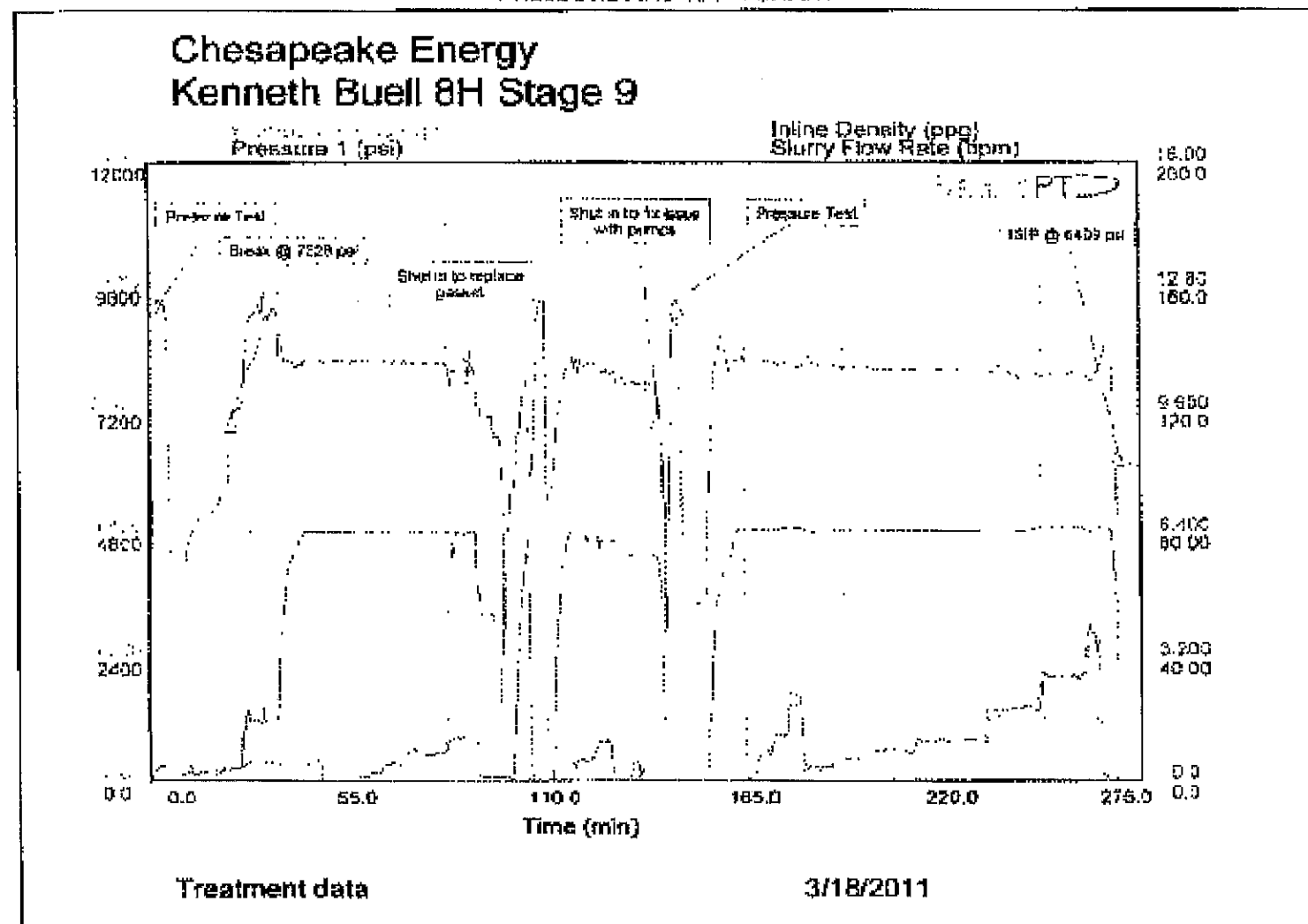
RATES, BPM	MIN	71.8
	MAX	81.6
	AVERAGE	80.5

FRAC FLUID TYPE, bbls	Clean	15,792
	Slurry	16,218
	Slickwater	13,363
	X-link	2,074
	Gel	2,429

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	158,903
30/50	338,341
30/50 Resin	49,483
	546,727



PRESSURE AND RATE CHART



**INVOICE**

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALA
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER:

SEQ. 1

INVOICE DATE:

032101

BILLING PERIOD FROM: MAR 16 2011 TO: MAR 19 2011

DELIVERY TICKET:

PREPARED BY:

JOB NUMBER:

STAGE 6 OF 18

ORDER DATE:

FEB 21 2010

SHIPPING DATE:

୩୫୩ ୧୦ ୧୦ ୧୦ ୧୦

ORDER NUMBER:

ENCODE NUMBER:

PH:
EX:

RECEIVED

AUG 19 2011

Division of Mineral Resources Management

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18499
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY. UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP / RETURN	QTY. UNIT	GROSS AMOUNT	SURC. DISC. %	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAI-2510 CATIONIC 1.055 \$/G	MAR 15 2011					N PST: N
2	50.00 GL		IRON CONTROL, WIC-5411 SFOUFST ERANT	MAR 15 2011					N PST: N
3	500.00 GL		CLAY CONTROL, WCS-5311 C	MAR 15 2011					N PST: N
4	483.00 GL		SURFACTANT, WME-3521A	MAR 15 2011					N PST: N
5	701.00 GL		FRICITION REDUCER, WFR-551 A2W	MAR 15 2011					N PST: N
6	600.00 GL		GELLING AGENT, WGA-151	MAR 15 2011					N PST: N
7	74.00 GL		CROSSLINK CONTROL, WXL-101 LB BUT DELETED	MAR 15 2011					N PST: N
8	48.00 GL		CROSSLINK CONTROL, WXL-105 LB RATE	MAR 15 2011					N PST: N
9	157.00 GL		EMULSIFYING AGENT, WPB 584L	MAR 15 2011					N PST: N
10	70.00 LB		BREAKER, WB-K-134	MAR 15 2011					N PST: N
11	74.00 GL		BREAKER, WB-K-136 ACTIVATOR	MAR 15 2011					N PST: N
12	70.00 LB		BREAKER, WB-K-133	MAR 15 2011					N PST: N
13	5000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 15 2011					N PST: N

INVOICE NUMBER: 8844372 RI
DT NUMBER: 8451536 SR



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/21/11

LINE NO.	QTY UNIT	ITEM NUMBER REF. NUMBER	DESCRIPTION	SHIP RECEIPT	QTY UNIT	GROSS AMOUNT	TAX DISC %	EXTENDED AMOUNT	TAX
14	158803.00 LB		FLUID LOSS AGENT, WFL-191, 100 MESH BULK	MAR 13 2011					N PST N
15	338141.00 LB		PROP, PREMIUM, 9050	MAR 13 2011					N PST N
16	49483.00 LB		RESIN COATED PROP, SUPER LC, 3 0/50	MAR 16 2011					N PST N
17	27036.35 EA		DELIVERY CHARGE, PROPPANT	MAR 16 2011					N PST N
18	1.00 EA		CHARGE PUMPING, STAGE	MAR 16 2011					N PST N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 16 2011					N PST N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 16 2011					N PST N

EDI Information
Requester Name
A/E #/Location ID/Prod
Delivery/Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

TERMS:
REMIT TO:

CASH
INVOICE NUMBER:
DATE:

8844372 RI
03/21/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (each term shall include any subsidiary, division or affiliate of Weatherford) ("weatherford") will provide the requested equipment, materials or services in accordance with payment shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.
PSBLNVEJ75942885A CCB247 WFT007 T410101a File:ccsccs (Rev 4 1.1) 04/10 JOB# F1274336

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

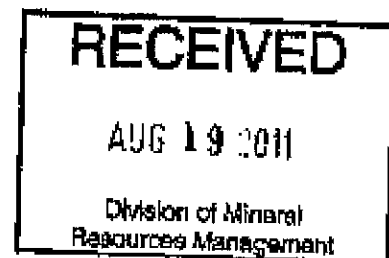
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3501484
STAGE NUMBER	10	LONG	-81.0195696

PRESSURES, PSI	MIN	7,632
	MAX	8,187
	AVERAGE	7,910
	ISIP	6,190
	5 MIN	5,946
	10 MIN	5,796
	15 MIN	5,644

RATES, BPM	MIN	80.1
	MAX	81.2
	AVERAGE	80.5

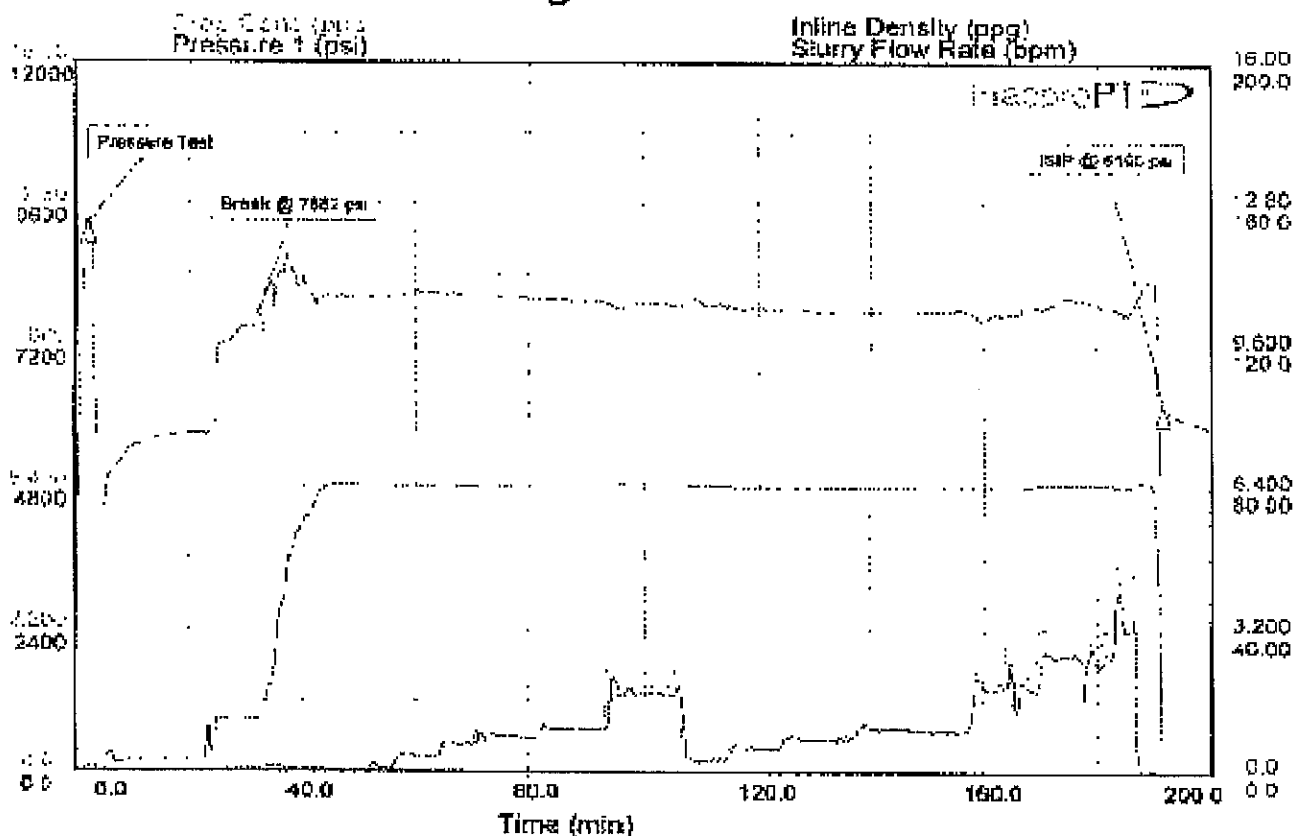
FRAC FLUID TYPE, bbls	Clean	12,174
	Slurry	12,637
	Slickwater	10,625
	X-link	1,544
	Gel	1,549

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	171,253
30/50	311,317
30/50 Resin	46,529
	529,099



PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell 8H Stage 10



Treatment data

3/16/2011

SHIP TO: [REDACTED]
WELL: 8-
LEASE: BUELL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 38110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

PH:
FX:

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/21/11
BILLING PERIOD FROM: MAR 18 2011 TO: MAR 18 2011
DELIVERY TICKET:
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 10 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 18 2011
ORDER NUMBER:
RETURN VIA: [REDACTED]
ENODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 10490
OKLAHOMA CITY OK 73154
UNITED STATES

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AUG 19 2011

Division of Mineral
Resources Management

LINE NO.	QTY /UNIT	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	BURCH DEC 5	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAI-251LC CATIONIC 1.055 SG	MAR 18 2011					N PST: N
2	50.00 GL		IRON CONTROL, WIC-641L, SEQUEST ERANT	MAR 18 2011					N PST: N
3	329.00 GL		CLAY CONTROL, WCC-631LC	MAR 18 2011					N PST: N
4	317.00 GL		SURFACTANT, WNE-352LN	MAR 18 2011					N PST: N
5	684.00 GL		FRICTION REDUCER, WFR-55LA(W)	MAR 18 2011					N PST: N
6	415.00 GL		GELLING AGENT, WGA-14L	MAR 18 2011					N PST: N
7	50.00 GL		CROSSLINK CONTROL, WXL-105L EO RATE DELAYED	MAR 18 2011					N PST: N
8	28.00 GL		CROSSLINK CONTROL, WXL-105L EO RATE	MAR 18 2011					N PST: N
9	138.00 GL		ADJUSTING AGENT, WAPB-534L	MAR 18 2011					N PST: N
10	70.00 LB		BREAKER, WBA-134	MAR 18 2011					N PST: N
11	83.00 GL		BREAKER, WBA-136L ACTIVATOR	MAR 18 2011					N PST: N
12	70.00 LB		BREAKER, WBA-133	MAR 18 2011					N PST: N
13	6000.00 GL		ACID, HYDROCHLORIC, 15 PC	MAR 18 2011					N PST: N

ED TRANSACT
ED ONLY
DO NOT MAIL P

Weatherford

PAGE 2 of 2
DATE: 03/21/11

EDI Information
Requester Name
Alt # Location D/Prep.
Delivery/Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

TERMS:
SENT TO

TAXES
INVOICE NUMBER:
DATE:

SUBTOTAL: 7,150

TAX (USD)

TOTAL (USD)

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to a customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which may be found at www.weatherford.com shall apply to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

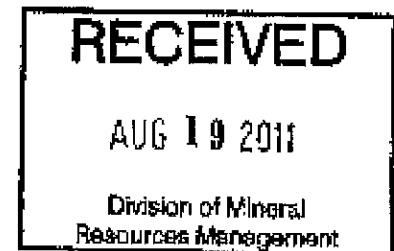
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	11	LONG	-81.0195696

PRESSURES, PSI	MIN	8,086
	MAX	8,652
	AVERAGE	9,365
	ISIP	6,410
	5 MIN	5,852
	10 MIN	5,612
	15 MIN	5,481

RATES, BPM	MIN	77.3
	MAX	81
	AVERAGE	79.4

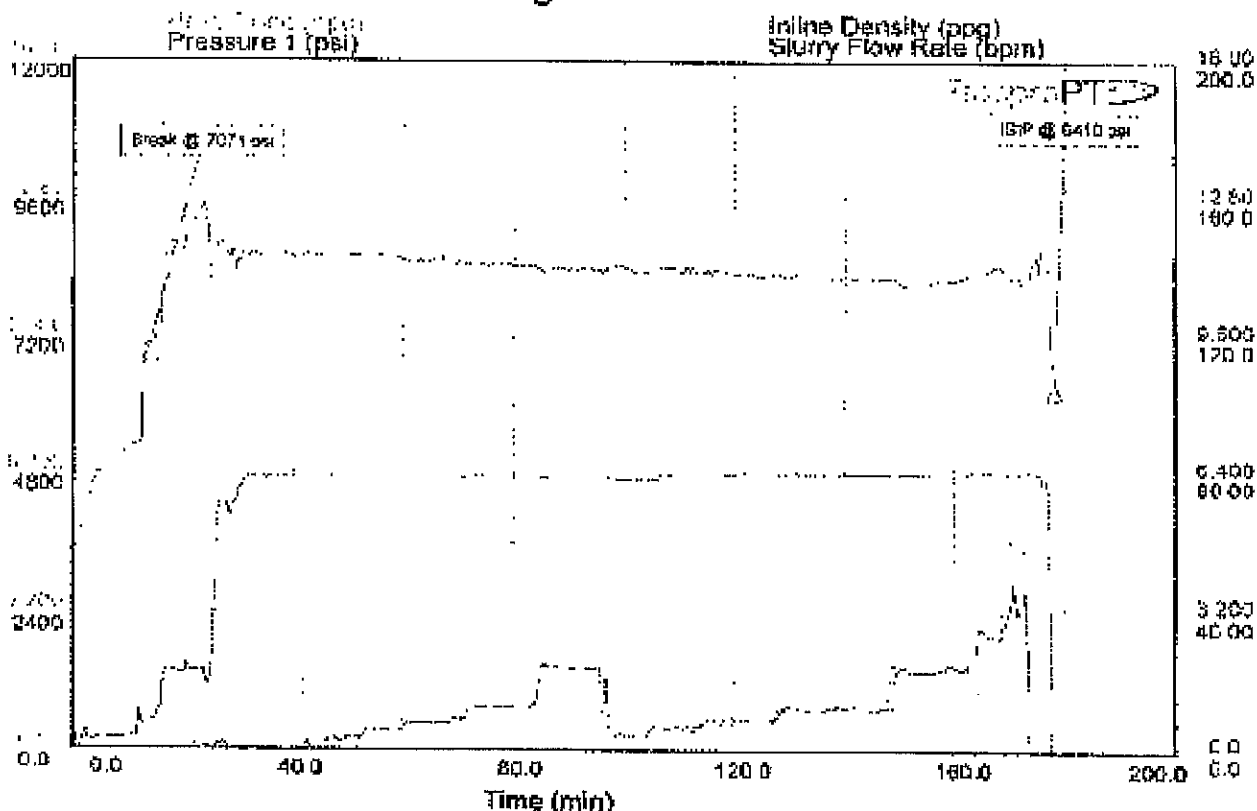
FRAC FLUID TYPE, bbls	Clean	11,886
	Slurry	12,284
	Slickwater	10,812
	X-link	1,064
	Gel	1,074

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	160,400
30/50	273,049
30/50 Resin	46,909
	480,358



PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell 8H Stage 11



Treatment data

3/19/2011

SHIP TO: [REDACTED]
WFL: 84
LEASE BUFI
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 16 2011 TO: MAR 16 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 11 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 16 2011
ORDER NUMBER: [REDACTED]
ENCODE NUMBER: [REDACTED]

PH:
FX:

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P.O. BOX 18496
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY UOM	ITEM NUMBER / REF NUMBER	DESCRIPTION	SHIP / RETURN	QTY UNIT	GROSS AMOUNT	PURCH. DISC %	EXTENDED AMOUNT	TAX
1	6.00 GL	[REDACTED]	INHIBITOR, WAI-251LC CATIONIC 1.655 GG	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
2	30.00 GL	[REDACTED]	IRON CONTROL, WIC-641L SEQUESTERANT	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
3	407.00 GL	[REDACTED]	CLAY CONTROL, WCS-631LC	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
4	267.20 GL	[REDACTED]	SURFACTANT, WNE-352LN	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
5	466.00 GL	[REDACTED]	FRICTION REDUCER, WFR-65LA(W)	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
6	262.00 GL	[REDACTED]	GELLING AGENT, WGA-16L	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
7	55.00 GL	[REDACTED]	CROSSLINK CONTROL, WCL-101L BO NOT USED	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
8	49.00 GL	[REDACTED]	CROSSLINK CONTROL, WCL-101L BO RATE	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
9	80.00 GL	[REDACTED]	ADJUSTING AGENT, WPB-364L	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
10	60.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
11	24.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
12	60.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N
13	3000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PCT	MAR 16 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N ST: N

DO NOT MAIL PAID
ELECTRONIC TRANSACTION
FBI ONLY

INVOICE NUMBER:
DT NUMBER:



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/22/11

LINE NO.	CTY NOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	KEY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
14	180400.00 LB		FLUID LOSS AGENT WFL-91, 100 MESH, BULK	MAR 18 2011					N ST N
15	273049.00 LB		PROP, PREMIUM, 3050	MAR 18 2011					N ST N
16	46909.30 LB		RESIN COATED PROP, SUPER LC, 3 D50	MAR 18 2011					N ST N
17	24017.30 EA		DELIVERY CHARGE, PROPPANT	MAR 18 2011					N ST N
19	1.00 EA		CHARGE, PUMPING, STAGE	MAR 18 2011					N ST N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 18 2011					N ST N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 18 2011					N ST N

EDI Information
Requester Name
AFB #/Location /D/Prop,
Delivery/Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
FYI ONLY
DO NOT MAIL PAYMENT

RECEIVED

AUG 19 2011

Division of Mineral
Resources Management

TERMS:
REMIT TO:

TAX
INVOICE NUMBER
DATE:

03/22/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (which may include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. [A paper copy of these standard terms and conditions will be provided to you upon your written request.]
F0384955, 12042700A CCM0007 APT007 TransAct Platform Server 4.1.1 (15-11) 03/27/2011

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

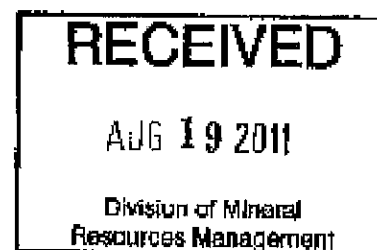
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION: LAT	40.3504484
STAGE NUMBER	12	LONG	-81.0195696

PRESSURES, PSI	MIN	8,142
	MAX	8,684
	AVERAGE	8,367
	ISIP	6,562
	5 MIN	5,340
	10 MIN	5,050
	15 MIN	4,855

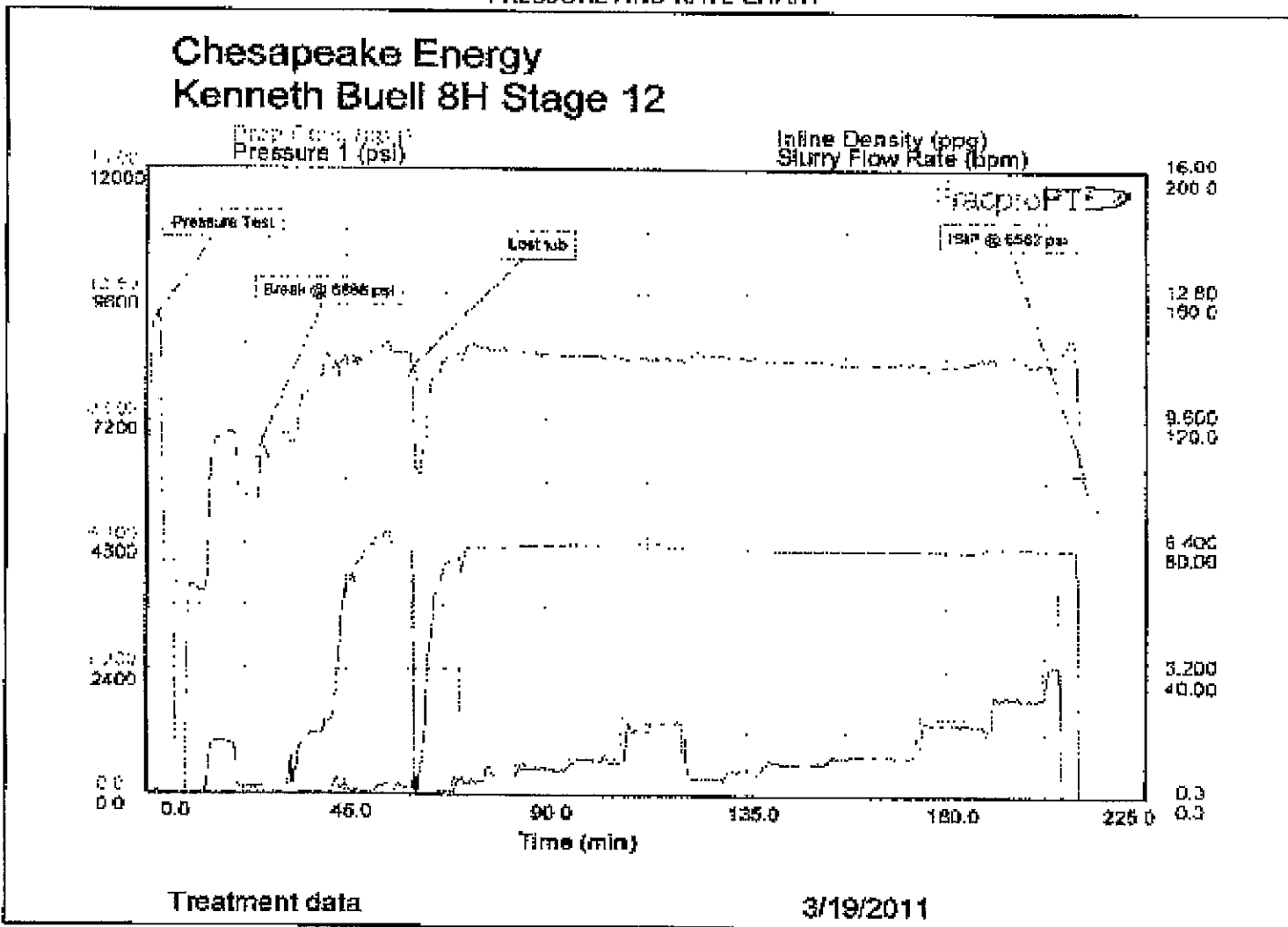
RATES, BPM	MIN	77.9
	MAX	79.5
	AVERAGE	78.5

FRAC FLUID TYPE, bbls	Clean	12,590
	Slurry	13,049
	Slickwater	11,359
	X-link	1,155
	Gel	1,231

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	159,759
30/50	334,854
30/50 Resin	34,563
	529,176



PRESSURE AND RATE CHART



PAGE 1 of 2

FORM NO. JRS94S656 CUBED-7 VATTOM Traction's Founder Series 2 14 17-SE-10 JOBLA 72000-00

CONTINUED

INVOICE NUMBER [REDACTED]
DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/22/11

LINE NO.	CTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SH F RETURN	QTY UNIT	GROSS AMOUNT	SUMC DISC %	EXTENDED AMOUNT	TAX
14	150758.00 LB	[REDACTED]	FLUID LOSS AGENT WFL-101,100 MCSII, BULK	MAR 19 2011					N ST: N
15	334654.00 LB	[REDACTED]	PROP, PREMIUM, 30/50	MAR 19 2011					N ST: N
16	34563.00 LB	[REDACTED]	RESIN COATED PROP, SUPER LC, 3 E/50	MAR 19 2011					N ST: N
17	29468.80 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 19 2011					N ST: N
18	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 19 2011					N ST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 19 2011					N ST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 19 2011					N ST: N

EDI Information
Requester Name
AFB #/Location ID/Prod.
Delivery/Work/Ticket #

Attention To

DEFAULT

EDI TRANSACTION
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DO NOT MAIL PAYMENT

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Division of Mineral
Resource Management

TERMS
REMI TO:

TAX
INVOICE NUMBER
DATE:

03/22/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

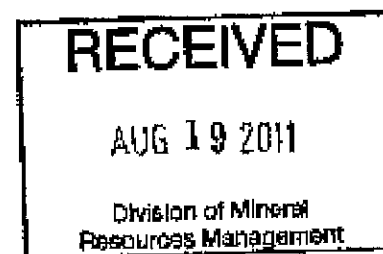
Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	13	LONG	-81.0195696

PRESSURES, PSI	MIN	7,836
	MAX	8,844
	AVERAGE	8,417
	ISIP	5,816
	5 MIN	4,951
	10 MIN	4,790
	15 MIN	4,606

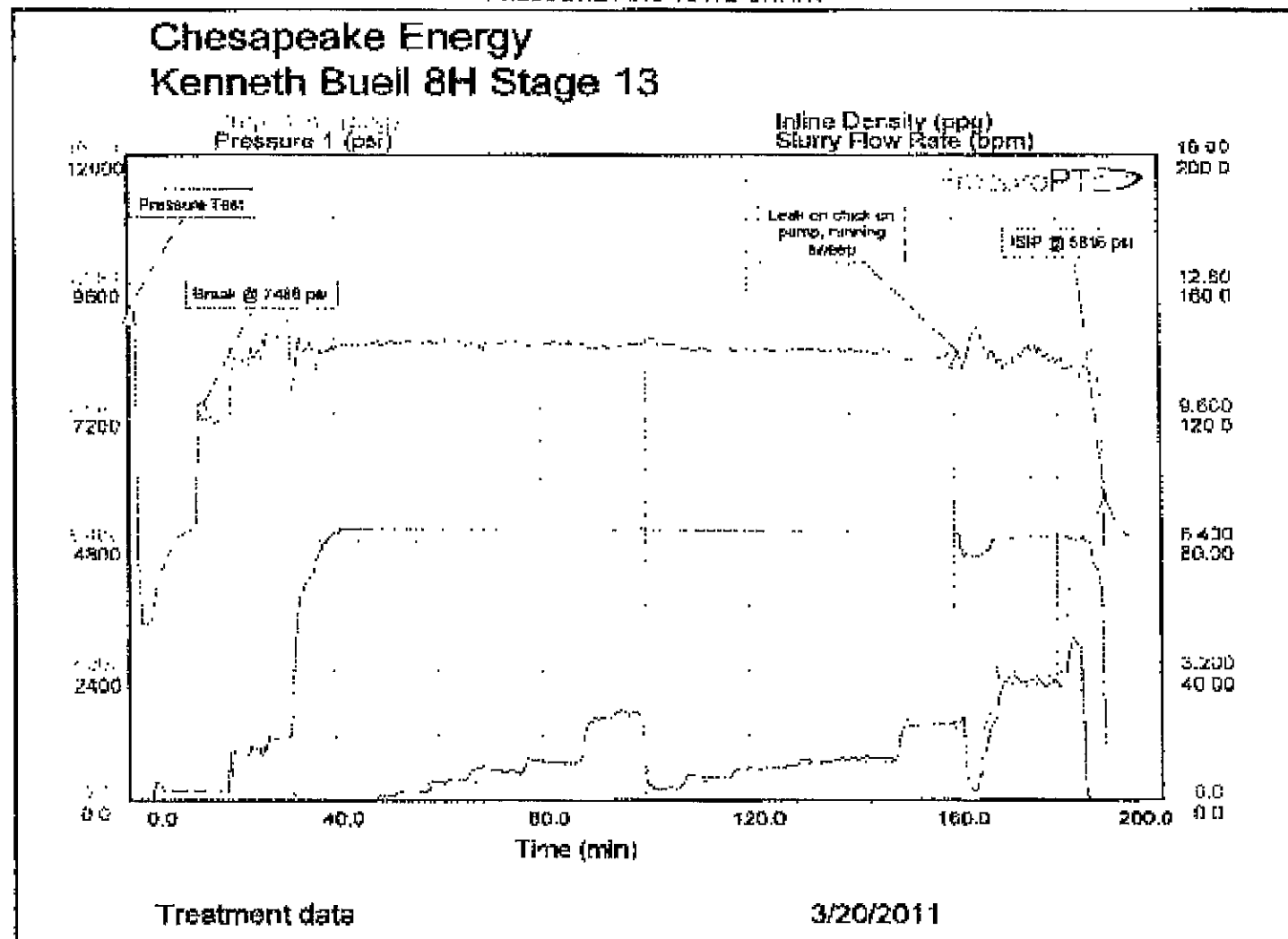
RATES, BPM	MIN	72.6
	MAX	84.2
	AVERAGE	83.1

FRAC FLUID TYPE, bbls	Clean	12,689
	Slurry	13,168
	Slickwater	11,253
	X-link	1,285
	Gel	1,436

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	165,327
30/50	359,964
30/50 Resin	49,990
	575,281



PRESSURE AND RATE CHART



SHIP TO: 2635002 CW
WELL: 8H
LEASE: BUELL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 19 2011 TO: MAR 20 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 13 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 19 2011
ORDER NUMBER: [REDACTED]
ENCODE NUMBER: [REDACTED]

FH:
FX:

CUSTOMER: 233489C
CHESAPEAKE ENERGY MARKETING INC
P O BOX 15495
OKLAHOMA CITY OK 73154
UNITED STATES

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AUG 19 2011

Division of Mineral
Resources Management

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
1	8.00 GL	[REDACTED]	INHIBITOR, WAI-251LC CATIONIC 1.055 SG	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	32.00 GL	[REDACTED]	IRON CONTROL, WAC-641L REQUEST ERANT	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	194.00 GL	[REDACTED]	CLAY CONTROL, WCB-631LC	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	266.00 GL	[REDACTED]	SURFACTANT, WNE-352LN	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	463.00 GL	[REDACTED]	FRICTION REDUCER, WFR-56LA(M)	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	400.00 GL	[REDACTED]	GELING AGENT, WGA-11	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	50.00 GL	[REDACTED]	CROSSLINK CONTROL, WKL-186L BO RATE DELAYED	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	36.00 GL	[REDACTED]	CROSSLINK CONTROL, WKL-186L BO RATE	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	62.00 GL	[REDACTED]	ADJULATING AGENT, WPB-684L	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	60.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	65.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	50.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	1000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 POT	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

ED TRANSACTION
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INVOICE NUMBER: [REDACTED]
 DT NUMBER: [REDACTED]



INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/22/11

LINE NO.	CTY UNIT	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURC DISC %	EXTENDED AMOUNT	TAX
14	185327.00 LB	[REDACTED]	FLUID LOSS AGENT, WTL-91, 100 MESH, BULK	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	389254.00 LB	[REDACTED]	PROP, PREMIUM, 3050	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	48690.30 LB	[REDACTED]	RESIN COATED PRO ² , SUPER LO, 3 050	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	26794.36 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 19 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
 Requester Name
 AFE #/Location ID/Prop.
 Delivery/Work Ticket #

Attention To

DEFAULT

EDI TRANSACTION
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AUG 19 2011

Division of Mineral
 Resources Management

TERMS
 REMIT TO:

TAX:
 INVOICE NUMBER:
 DATE:

03/22/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (each term shall include any subsidiary division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/msa, shall be applicable to the provision of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided upon request upon confirmation request.)
 25391505, 05442550, 0010947 Weatherford International Service 4111045-11330477224052

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	14	LONG	-81.0195696

PRESSURES, PSI	MIN	7,762
	MAX	8,298
	AVERAGE	8,024
	ISIP	6,626
	5 MIN	5,969
	10 MIN	5,591
	15 MIN	5,375

RATES, BPM	MIN	80.3
	MAX	81.5
	AVERAGE	80.6

FRAC FLUID TYPE, bbls	Clean	12,603
	Slurry	13,126
	Slickwater	11,286
	X-link	1,214
	Gel	1,317

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	159,219
30/50	352,258
30/50 Resin	39,862
	551,339

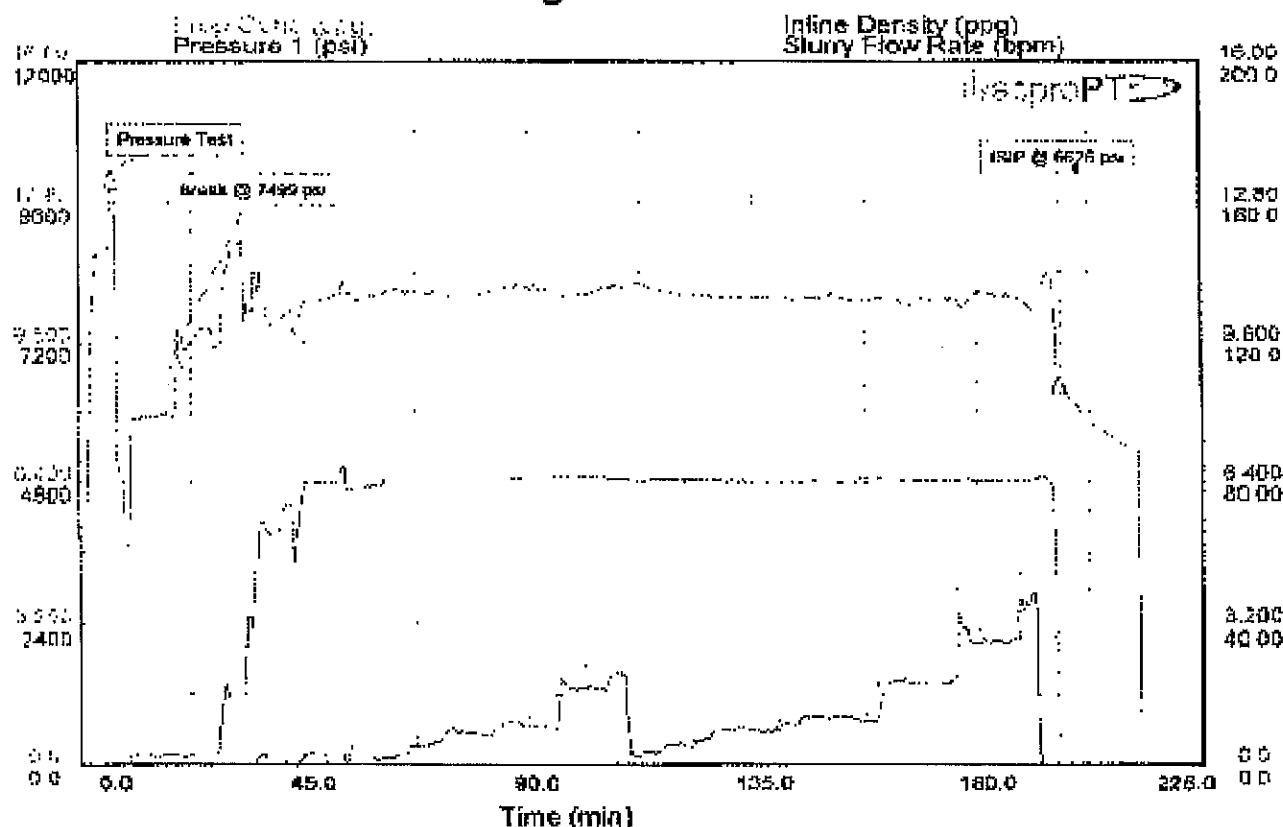
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Division of Mineral
Resources Management

PRESSURE AND RATE CHART

Chesapeake Energy
Kenneth Buell 8H Stage 14



Treatment data

3/20/2011

SHIP TO: [REDACTED]
WELL: 8-1
LEASE: BUELL
UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 3/3/2011
BILLING PERIOD FROM: MAR 20 2011 TO: MAR 20 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 14 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 20 2011
ORDER NUMBER: [REDACTED]
ENODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18498
OKLAHOMA CITY OK 73154
UNITED STATES

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Division of Mineral
Resources Management

LINE NO.	QTY UOM	ITEM NUMBER REFERENCE	DESCRIPTION	SHIP RETURN	QTY UOM	GROSS AMOUNT	SURCH BSC %	EXTENDED AMOUNT	TAX
1	10.00 GL	[REDACTED]	INHIBITOR, WAI-261LC CATIONIC 1.055 SG	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	50.00 GL	[REDACTED]	IRON CONTROL, WIC-641L SEQUEST ERANT	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	354.00 GL	[REDACTED]	CLAY CONTROL, WCS-631LC	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	411.00 GL	[REDACTED]	SURFACTANT, WNE-352 LN	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	583.00 G	[REDACTED]	FRICTION REDUCER, WFR-55LA2M	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	475.00 GL	[REDACTED]	GELLING AGENT, WGA-151	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	50.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BO DATE DECEASED	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	28.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-105L BO RATE	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	52.00 GL	[REDACTED]	ADJULATING AGENT, WPB-58AL	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	50.00 LB	[REDACTED]	BREAKER, WBK-124	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	36.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	50.00 LB	[REDACTED]	BREAKER, WBK-133	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	5000.00 GL	[REDACTED]	ACID, HYDROCHLORIC, 15 PC	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

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Weatherford

PAGE 2 of 2
DATE: 03/22/11

EDI Information
Requester Name
AFE # Location ID/Prop.
Delivery/Work Ticket #

Attention To

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AUG 19 2011

Division of Mineral Resources Management

TERMS:
RENT TO

TAX:
INVOICE NUMBER:
DATE:

SUB TO TA USPDI

TAX (USD)

TOTAL USD:

Weatherford (such fan - shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master services agreement between the parties. In the event that there is no such master services agreement, Weatherford's standard terms and conditions, a copy of which may be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	15	LONG	-81.0195696

PRESSURES, PSI	MIN	7,421
	MAX	8,184
	AVERAGE	7,934
	ISIP	5,452
	5 MIN	4,680
	10 MIN	4,527
	15 MIN	4,362

RATES, BPM	MIN	7421
	MAX	8184
	AVERAGE	7934

FRAC FLUID TYPE, bbls	Clean	12,303
	Slurry	12,912
	Slickwater	11,355
	X-link	1,100
	Gel	230

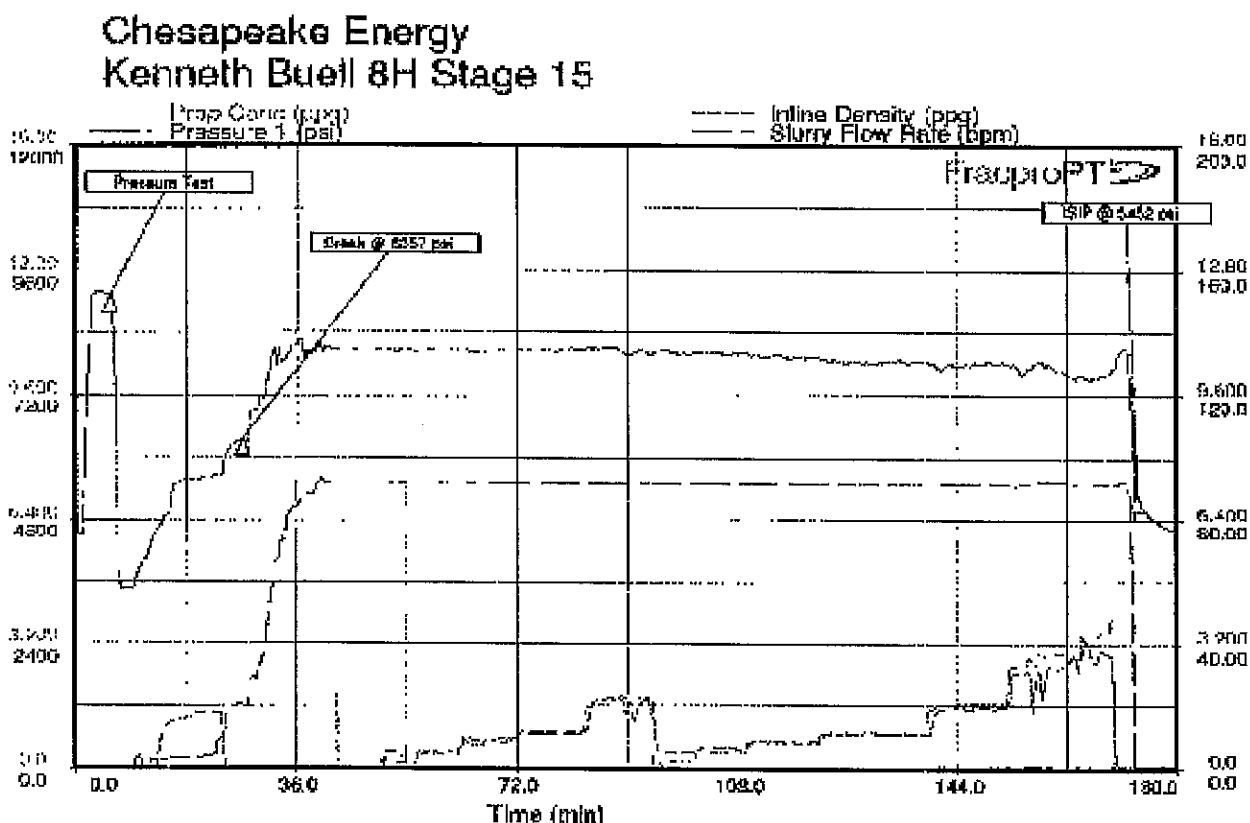
FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	156,188
30/50	312,077
30/50 Resin	49,616
20/40	517,881

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Division of Mineral
Resources Management

PRESSURE AND RATE CHART



Treatment data

3/21/2011

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PAGE 1 of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALA
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/22/11
BILLING PERIOD FROM: MAR 20 2011 TO: MAR 21 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 15 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 20 2011
ORDER NUMBER: [REDACTED]
ENODE NUMBER: [REDACTED]

PH:
FX:

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AUG 19 2011

Division of Mineral
Resources Management

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18456
OKLAHOMA CITY OK 73154
UNITED STATES

LINE NO.	QTY /UNIT	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY /UNIT	GROSS AMOUNT	SURCH DISC	EXTENDED AMOUNT	TAX
1	10.00 GL		INHIBITOR, WAI-251LC CATIONIC 1.055 SO	MAR 20 2011					N PST: N
2	50.00 GL		IRON CONTROL, WIC-541L SEQUEST ERANT	MAR 20 2011					N PST: N
3	344.00 GL		CLAY CONTROL, WCS-631LC	MAR 20 2011					N PST: N
4	292.00 GL		SURFACTANT, WME-352LA	MAR 20 2011					N PST: N
5	542.00 GL		FRICION REDUCER, WFR-55LA/M	MAR 20 2011					N PST: N
6	350.00 GL		GELLING AGENT, WGA-3E	MAR 20 2011					N PST: N
7	55.00 GL		CROSSLINK CONTROL, WXL-101L 50 B/LT/DEN/VED	MAR 20 2011					N PST: N
8	26.00 GL		CROSSLINK CONTROL, WXL-101L 50 RATE	MAR 20 2011					N PST: N
9	53.00 GL		WATER SENSITIVE AGENT, WPB-564L	MAR 20 2011					N PST: N
10	70.00 LB		BREAKER, WBK-134	MAR 20 2011					N PST: N
11	54.00 GL		BREAKER, WBK-136L ACTIVATOR	MAR 20 2011					N PST: N
12	70.00 LB		BREAKER, WRK-133	MAR 20 2011					N PST: N
13	5000.00 GL		ACID, HYDROCHLORIC, 15 PCT	MAR 20 2011					N PST: N

INVOICE NUMBER: [REDACTED]
DT NUMBER: [REDACTED]

Weatherford

INVOICE

ORIGINAL

PAGE 2 of 2
DATE: 03/22/11

LINE NO.	QTY UNIT	ITEM NUMBER / REF NUMBER	DESCRIPTION	SHIP / RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
14	156188.00 LB	[REDACTED]	FLUID LOSS AGENT WFL-19", 100 MEDH, BULK	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
15	312077.00 LB	[REDACTED]	PROP, PREMIUM, 30/60	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
16	49616.00 LB	[REDACTED]	RESIN COATED PROP, SUPER LC, 3 0/00	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
17	25884.00 EA	[REDACTED]	DELIVERY CHARGE, PROPPANT	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
18	1.00 EA	[REDACTED]	CHARGE, PUMPING, STAGE	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
19	1.00 EA	[REDACTED]	24 HOUR PUMPING CHARGE	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
20	1.00 EA	[REDACTED]	EQUIPMENT TO PUMP LINEAR GEL	MAR 20 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

EDI Information
Requester Name
APE #/Location ID/Prop.
Delivery/Work Ticket #

[REDACTED]

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DEFAULT

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Division of Mineral
Resources Management

TERMS
REMIT TO
[REDACTED]
[REDACTED]
INVOICE NUMBER
DATE: 03/22/11

SUBTOTAL (USD)
TAX (USD)
TOTAL (USD)

[REDACTED]

Weatherford (as an term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.
F001V05L 750425650 CCR0047 (WT) 001 Transp. Foundation Service 4.1 1-0405-16.10001 (2/2002)

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	16	LONG	-81.0195696

PRESSURES, PSI	MIN	7,494
	MAX	8,694
	AVERAGE	7,798
	ISIP	6,012
	5 MIN	5,589
	10 MIN	5,482
	15 MIN	5,395

RATES, BPM	MIN	79
	MAX	89
	AVERAGE	86

FRAC FLUID TYPE, bbls	Clean	11,379
	Slurry	11,736
	Slickwater	11,055
	X-link	747
	Gel	129

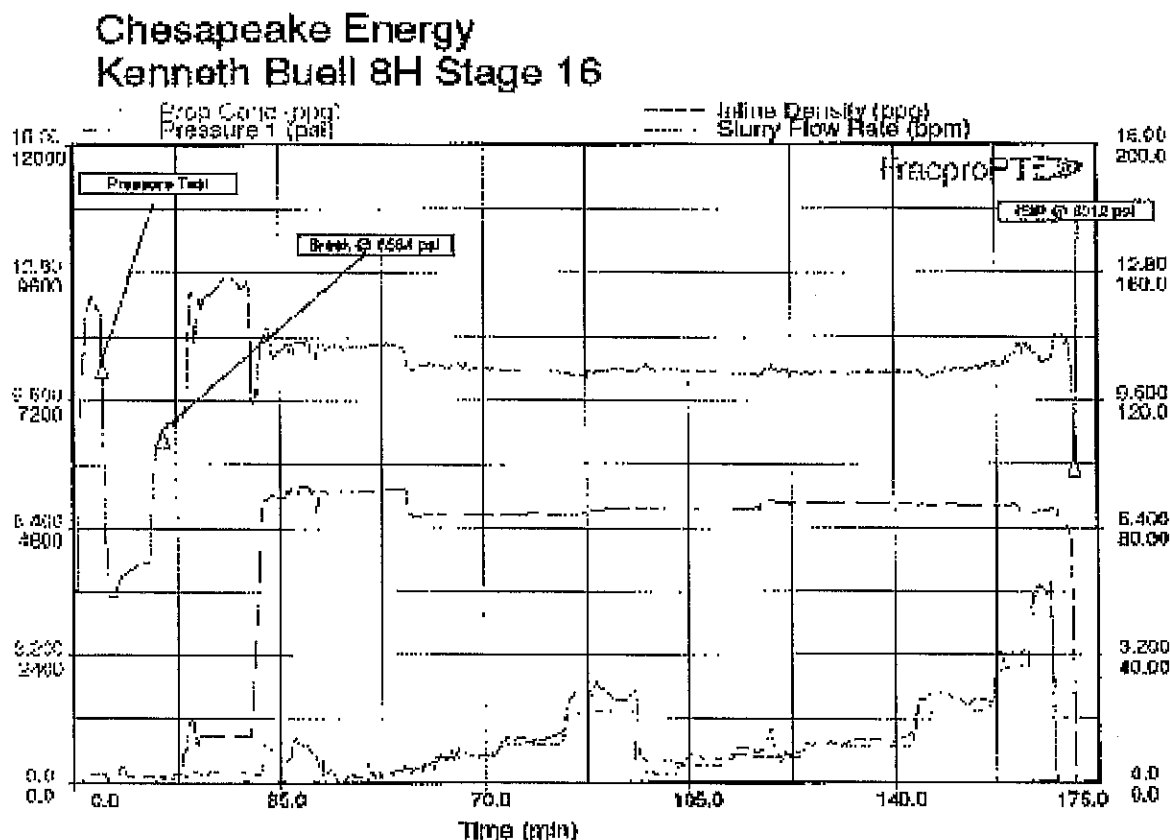
FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	172,406
30/50	335,948
30/50 Resin	50,993
	559,347

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Division of Mineral
Resources Management

PRESSURE AND RATE CHART



Treatment data

3/21/2011

SHIP TO: [REDACTED]
WELL 8-1
LEASE, BUELL
UNITED STATES

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PAGE * of 2

Weatherford

BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHAMTON WV 26201
UNITED STATES

PH:
FX:

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 032511
BILLING PERIOD FROM: MAR 21 2011 TO: MAR 21 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY:
JOB NUMBER: STAGE 16 OF 18
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 21 2011
ORDER NUMBER:
EMOE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 18496
OKLAHOMA CITY OK 73154
UNITED STATES

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Division of Mineral
Resources Management

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBERS	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURG DISC %	EXTENDED AMOUNT	TAX
1	5.00 GL		INHIBITOR, WAI-2511C CATIONIC 1.055 SG	MAR 21 2011					N PST: N
2	30.00 GL		IRON CONTROL, WIC-6411 SEQUEST ERANT	MAR 21 2011					N PST: N
3	561.00 GL		CLAY CONTROL, WES-6311C	MAR 21 2011					N PST: N
4	370.00 GL		SURFACTANT, WNE-6521N	MAR 21 2011					N PST: N
5	548.00 GL		FRICTION REDUCER, WFR-651A(W)	MAR 21 2011					N PST: N
6	250.00 GL		GELLING AGENT, WGA-151	MAR 21 2011					N PST: N
7	23.00 GL		CROSSLINK CONTROL, WXL-135L BO 5475 DELAYED	MAR 21 2011					N PST: N
8	24.00 GL		CROSSLINK CONTROL, WXL-135L BO RATE	MAR 21 2011					N PST: N
9	39.00 GL		PH ADJUSTING AGENT, WPB-554L	MAR 21 2011					N PST: N
10	40.00 LB		BREAKER, WBK-134	MAR 21 2011					N PST: N
11	47.00 GL		BREAKER, WBK-136L ACTIVATOR	MAR 21 2011					N PST: N
12	40.00 LB		BREAKER, WBK-133	MAR 21 2011					N PST: N
13	19.00 GL		RESIN COATED ACTIVATOR, SUPERS ET W (55 GL DRUM)	MAR 21 2011					N PST: N

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INVOICE NUMBER: *********
 DT NUMBER: *********

Weatherford

INVOICE

ORIGINAL

PAGE 2 of 2
 DATE: 03/25/11

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SUB DISC %	EXTENDED AMOUNT	TAX
14	3020.00 GL		ACID, HYDROCHLORIC 15 PCT	MAR 21 2011					N PST: N
15	72408.00 LB		FLUID LOSS AGENT WFL-19", 100 MESH, BULK	MAR 21 2011					N PST: N
16	335948.00 LB		PROP, PREMIUM, 30%4	MAR 21 2011					N PST: N
17	50843.00 LB		RESIN COATED PROP, SUPER LG, 3 D/53	MAR 21 2011					N PST: N
18	27567.35 EA		DELIVERY CHARGE, PROPPANT	MAR 21 2011					N PST: N
19	1.00 EA		CHARGE, PUMPING, STAGE	MAR 21 2011					N PST: N
20	1.00 EA		24 HOUR PUMPING CHARGE	MAR 21 2011					N PST: N
21	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 21 2011					N PST: N

EDI Information
 Requester Name
 AFE #: Location ID/Prop.
 Delivery/Work Ticket #

Attended To

DEFAULT

EDI TRANSACTION
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Division of Mineral
 Resources Management

TERMS
 REMIT TO
 TAX
 INVOICE NUMBER
 DATE

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (each term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com, shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.
 FSR #924 RES-35854-0016247 101 (C) The Storm Foundation Grant 4.1.1 DCS-10 JGR #F7344628

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

Kenneth Buell 8H

Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	17	LONG	-81.0195696

PRESSURES, PSI	MIN	7,079
	MAX	9,333
	AVERAGE	7,715
	ISIP	6,092
	5 MIN	5,503
	10 MIN	5,385
	15 MIN	5,302

RATES, BPM	MIN	72
	MAX	86
	AVERAGE	82

FRAC FLUID TYPE, bbls	Clean	16,335
	Slurry	16,860
	Slickwater	13,546
	X-link	1,300
	Gel	1,717

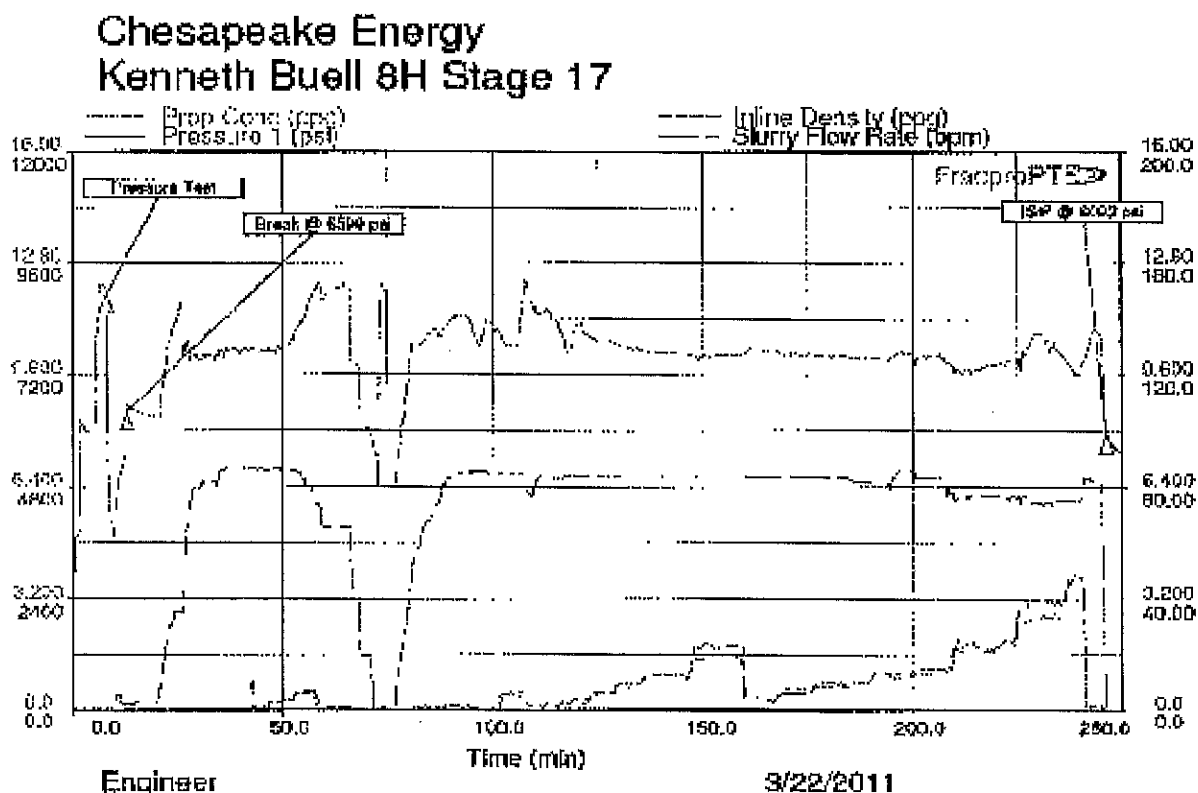
FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	28,759
30/50	411,162
30/50 Resin	46,442
100 Mesh	486,363

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Resources Management

PRESSURE AND RATE CHART



SHIP TO: [REDACTED]
WELL: 8H
LEASE: BUELL
UNITED STATES

Weatherford
BRANCH PLANT: 33110
WEATHERFORD ALS
ONE WEATHERFORD BLVD
BUCKHANNON WV 26201
UNITED STATES

INVOICE

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PAGE 1 of 2

INVOICE NUMBER: [REDACTED] SEQ. 1
INVOICE DATE: 03/25/11
BILLING PERIOD FROM: MAR 21 2011 TO: MAR 22 2011
DELIVERY TICKET: [REDACTED]
PREPARED BY: [REDACTED]
JOB NUMBER: STAGE 17 OF 19
ORDER DATE: FEB 21 2011
SHIPPING DATE: MAR 21 2011
ORDER NUMBER: [REDACTED]
ENCODE NUMBER: [REDACTED]

CUSTOMER: [REDACTED]
CHESAPEAKE ENERGY MARKETING INC
P O BOX 15490
OKLAHOMA CITY OK 73154
UNITED STATES

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Division of Mineral
Resources Management

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURC DISC %	EXTENDED AMOUNT	TAX
1	6.00 GL		INHIBITOR, WMI-251LC CATIONIC 1,056 SQ	MAR 21 2011					N PST: N
2	30.00 GL		IRON CONTROL, WIC-841L SQUELISH CRANT	MAR 21 2011					N PST: N
3	476.00 GL		CLAY CONTROL, WCS-631LC	MAR 21 2011					N PST: N
4	483.00 GL		SURFACTANT, WNE-352LN	MAR 21 2011					N PST: N
5	788.00 GL		FRICTION REDUCER, WFR-55LA/W	MAR 21 2011					N PST: N
6	300.00 GL		GELING AGENT, WGA-151	MAR 21 2011					N PST: N
7	53.00 GL		CROSSLINK CONTROL, WXL-101L BO RATE DELAYED	MAR 21 2011					N PST: N
8	34.00 GL		CROSSLINK CONTROL, WXL-101L BO RATE	MAR 21 2011					N PST: N
9	100.00 GL		FLUORESCENT AGENT, WFB-581L	MAR 21 2011					N PST: N
10	130.00 LB		BREAKER, WBK-134	MAR 21 2011					N PST: N
11	151.00 GL		BREAKER, WBK-136L ACTIVATOR	MAR 21 2011					N PST: N
12	130.00 LB		BREAKER, WBK-133	MAR 21 2011					N PST: N
13	15.00 GL		RESIN COATED ACTIVATOR, SUPERS ET W (55 GL DRUM)	MAR 21 2011					N PST: N

EDM TRANSACTIONS
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DT NUMBER:



INVOICE

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PAGE 2 of 2
DATE: 03/25/11

LINE NO.	QTY LBS	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	MARK
14	181.00 GL		ACID, -HYDROCHLORIC, 15 PCT	MAR 21 2011	N PST N
15	167720.00 LB		FLUID LOSS AGENT, WFL-101, 100 MESH BULK	MAR 21 2011	N PST N
16	334740.00 LB		PROP, PREMIUM, 3050	MAR 21 2011	N PST N
17	11604.00 LB		RESIN COATED PROP, SUPER LG, 3 D50	MAR 21 2011	N PST N
18	25703.20 EA		DELIVERY CHARGE, PROPPANT	MAR 21 2011	N PST N
19	1.00 EA		CHARGE PUMPING, STAGE	MAR 21 2011	N PST N
20	1.00 EA		24 HOUR PUMPING CHARGE	MAR 21 2011	N PST N
21	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 21 2011	N PST N
22	1.00 EA		ADDITIONAL PUMP CHARGE - 3 HR3	MAR 21 2011	N PST N

EDI Information
Requester Name
AFB #/Location ID/Prop.
Delivery/Mark Ticket #



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Division of Mineral
Resources Management

TERMS REMIT TO		SUBTOTAL (USD)	
TAX		TAX (USD)	
INVOICE NUMBER		TOTAL (USD)	
DATE: 03/25/11			

Weatherford (which may include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services to its customer. Such provision shall be governed by the terms and conditions of the different applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com shall be applicable to the provision of such equipment, materials or services. (A paper copy of these standard terms and conditions will be provided to you upon your written request.)
PAPERWORK REDUCTION ACT: 11/10/94, 5 U.S.C. 552(a)(4)(A)

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

Kenneth Buell 8H			
Harrison Co.	OH	LOCATION LAT	40.3504484
STAGE NUMBER	18	LONG	-81.0195696

PRESSURES, PSI	MIN	7,297
	MAX	8,253
	AVERAGE	7,943
	ISIP	5,104
	5 MIN	4,724
	10 MIN	4,570
	15 MIN	4,465

RATES, BPM	MIN	7297
	MAX	8253
	AVERAGE	7943

FRAC FLUID TYPE, bbls	Clean	11,629
	Slurry	12,127
	Slickwater	10,301
	X-link	1,128
	Gel	389

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	153,320
30/50	286,601
30/50 Resin	46,442
	486,363

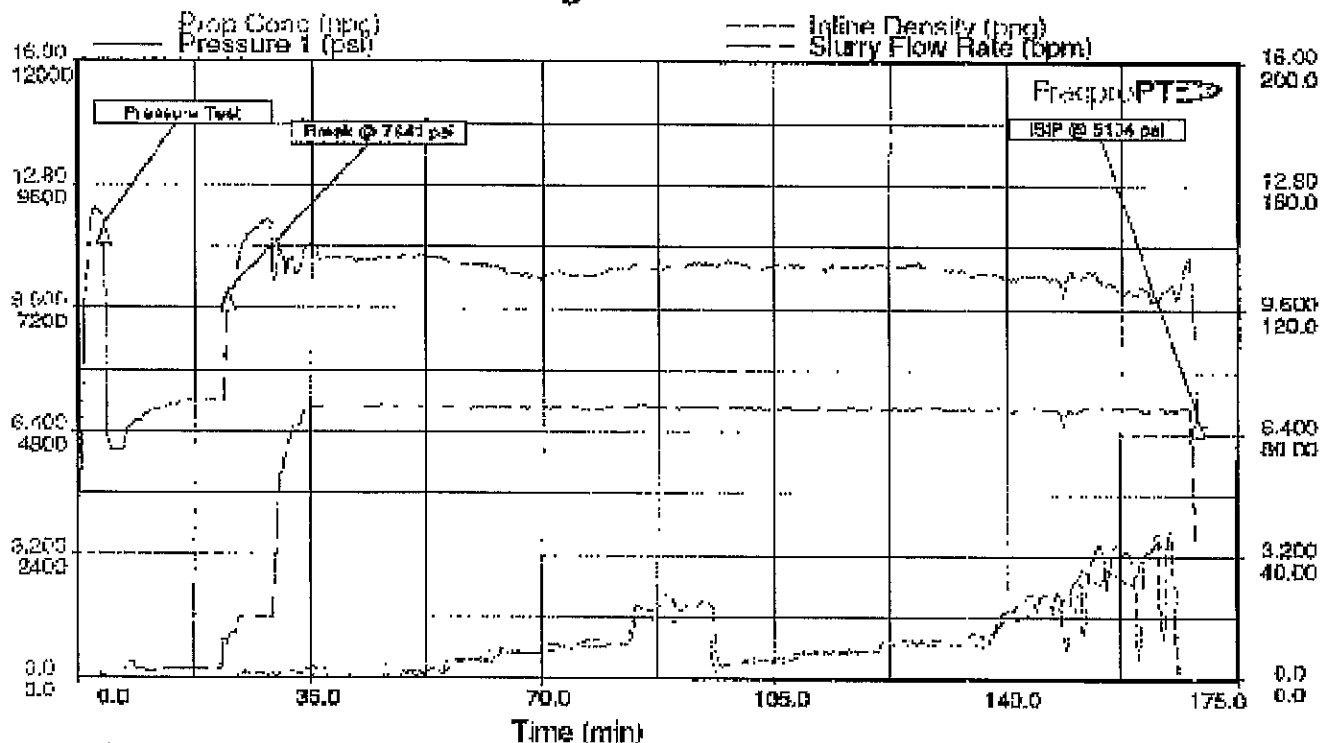
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Division of Mineral
Resources Management

PRESSURE AND RATE CHART

**Chesapeake Energy
Kenneth Buell 8H Stage 18**



Engineer

3/22/2011

SHIP TO: [REDACTED]
 WELL: 9H
 LEASE: BUELL
 UNITED STATES

INVOICE

ORIGINAL

PAGE 1 of 2



BRANCH PLANT: 33110
 WEATHERFORD ALB
 ONE WEATHERFORD BLVD
 BUCKHANNON WV 26201
 UNITED STATES

PH:
 FX:

INVOICE NUMBER: [REDACTED] SEQ 1
 INVOICE DATE: 03/25/11
 BILLING PERIOD FROM: MAR 22 2011 TO: MAR 22 2011
 DELIVERY TICKET: [REDACTED]
 PREPARED BY: [REDACTED]
 JOB NUMBER: STAGE 18 OF 18
 ORDER DATE: FEB 21 2011
 SHIPPING DATE: MAR 22 2011
 ORDER NUMBER: [REDACTED]
 BNODE NUMBER: [REDACTED]

CUSTOMER: 2334680
 CHESAPEAKE ENERGY MARKETING INC
 P O BOX 18436
 OKLAHOMA CITY OK 73154
 UNITED STATES

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AUG 19 2011

Division of Mineral
 Resource Management

LINE NO	QTY DOM	ITEM NUMBER SER NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SURCH DISC %	EXTENDED AMOUNT	TAX
1	8.00 GL	[REDACTED]	INHIBITOR, WMA-251LC CATIONIC 1,055 SG	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
2	30.00 SL	[REDACTED]	IRON CONTROL, WIC-641L SEQUEST ERANT	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
3	268.00 GL	[REDACTED]	CLAY CONTROL, WCS-631LC	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
4	628.00 GL	[REDACTED]	SURFACTANT, WNE-352LM	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
5	524.00 GL	[REDACTED]	FRICTION REDUCER, WFR-58LA/W	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
6	425.00 GL	[REDACTED]	GELLING AGENT, W3A-161	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
7	8.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-135L BO RATE DELAYED	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
8	13.00 GL	[REDACTED]	CROSSLINK CONTROL, WXL-135L BO RATE	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
9	83.00 GL	[REDACTED]	ADJUSTING AGENT, WFB-584L	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
10	100.00 LB	[REDACTED]	BREAKER, WBK-134	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
11	28.00 GL	[REDACTED]	BREAKER, WBK-136L ACTIVATOR	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
12	100.00 LB	[REDACTED]	BREAKER, WBK-136	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N
13	19.00 GL	[REDACTED]	RESIN COATED ACTIVATOR, SUPERS ET W (55 G/L DRUM)	MAR 22 2011	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	N PST: N

ED TRANSACT
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DT NUMBER:



INVOICE

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PAGE 2 of 2
DATE: 03/25/11

LINE NO.	QTY UOM	ITEM NUMBER REF NUMBER	DESCRIPTION	SHIP RETURN	QTY UNIT	GROSS AMOUNT	SLUR DISC %	EXTENDED AMOUNT	TAX
14	75115.00 LB		FLUID LOSS AGENT WFL-191.100 MESH, BULK	MAR 22 2011					N PST: N
15	392157.00 LB		PROP. PREMIUM, 30/50	MAR 22 2011					N PST: N
16	10000.00 LB		RESIN COATED PROP, SUPER LC, 3 0/50	MAR 22 2011					N PST: N
17	23643.65 EA		DELIVERY CHARGE, PROPPANT	MAR 22 2011					N PST: N
18	1.00 EA		CHARGE, PUMPING, STAGE	MAR 22 2011					N PST: N
19	1.00 EA		24 HOUR PUMPING CHARGE	MAR 22 2011					N PST: N
20	1.00 EA		EQUIPMENT TO PUMP LINEAR GEL	MAR 22 2011					N PST: N

EDI Information
Requester Name
AFB #/Location ID/Prop.
Delivery/Work Ticket #

Attention To

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Division of Mineral
Resources Management

TERMS
REMIT TO

TAX
INVOICE NUMBER
DATE

03/25/11

SUBTOTAL (USD)

TAX (USD)

TOTAL (USD)

Weatherford (such term shall include any subsidiary, division or affiliate of Weatherford International, Inc.) will provide the requested equipment, materials or services in accordance with the terms and conditions of the current applicable master service agreement between the parties. In the event that there is no such master service agreement, Weatherford's standard terms and conditions, a copy of which can be found at www.weatherford.com/MSA, shall be applicable to the provision of such equipment, materials or services. A paper copy of these standard terms and conditions will be provided to you upon your written request.

U.S. BULKHEAD - 70422555A 0003547 - WFT037 Thornton Pumpjack Assembly - 11/04/10 J0004 FT254500



Regulatory Department

November 8, 2011

Mr. Steve Opritza
Ohio Department of Natural Resources
2045 Morse Road, Building H-3
Columbus, OH 43229-6693

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NOV 10 2011

RE: Buell 8H – API 34-067-2-1057-01-00
Horizontal Final Completion Additional Data

Dear Mr. Opritza:

Per your request on October 30, 2011, Chesapeake Exploration, L.L.C. submits the enclosed additional completion data items for the Buell 8H well located in Harrison County, Ohio. The package contains the following:

- 1 perforation record attachment; and

Please feel free to contact us if you have any questions.

Sincerely,

Chesapeake Exploration, L.L.C.

A handwritten signature in cursive script that reads "Bonnie Griggs".

Bonnie Griggs
Regulatory Compliance Specialist

Enclosures

Bonnie Griggs

From: Opritza, Steve [Steve.Opritza@dnr.state.oh.us]
Sent: Sunday, October 30, 2011 1:44 PM
To: Bonnie Griggs
Subject: Well completion information

Hi Bonnie,

I finally got around to processing the final well completion information you sent for the Buell 3H, Neider 3H and Mangun 3H wells.

Could you please furnish the following for these wells?

Neider 3H Volume of frac fluid used for each stage.

All three wells Perforated interval per stage and number of perforations for each of those intervals.

Thank you.

Steve Opritza, Geologist
Ohio Department of Natural Resources
Division of Oil and Gas Resources Management
2045 Morse Road, H-3
Columbus, OH 43229-6693
Phone:(614) 265-6442
Fax: (614) 265-7998

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NOV 10 2011

AP/ No. 3406721057

STIMULATION RECORD

Well Name and Number: Buell 8H (832724)

[illegible]



Regulatory Department

January 17, 2012

VIA UPS NEXT DAY AIR

Mr. Steve Opritza
Ohio Department of Natural Resources
Div. Of Mineral Resources Management
2045 Morse Road, H-3
Columbus, OH 43229-6693

Re: Confidential Electric Log Filing; North American Royalty Buell #1
API 34-067-2-1057-00-00

Dear Mr. Opritza:

Chesapeake Exploration, L.L.C. submits the enclosed electric logs for the above referenced well.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Chesapeake Exploration, L.L.C.


Bonnie Griggs
Regulatory Analyst II

Enclosures

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JAN 19 2012