



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT
WELL LOCATION
Surface Location

DEP USE ONLY	Auth ID#	CC930028	G: 06-25-12 C: RP
	Permit #	007-20357	
	Project #		

☐ Denotes location of well on topo map.

True Latitude: NORTH (NAD 83)
40°36'55.7"

True Longitude: WEST (NAD 83)
80°28'50.5"

Well is located on topo map 3,471 feet south of latitude 40° 37' 30"

LEGEND

- PROPOSED GAS WELL
 EXISTING WATER WELL
 PROPERTY LINE
 STREAM LINE
 TIE LINE

JUN 06 2012

DEP, SOUTHWEST REGION
OIL & GAS

Well is located on topo map
SPCS Grid North
PA South Zone

Well is located on topo map

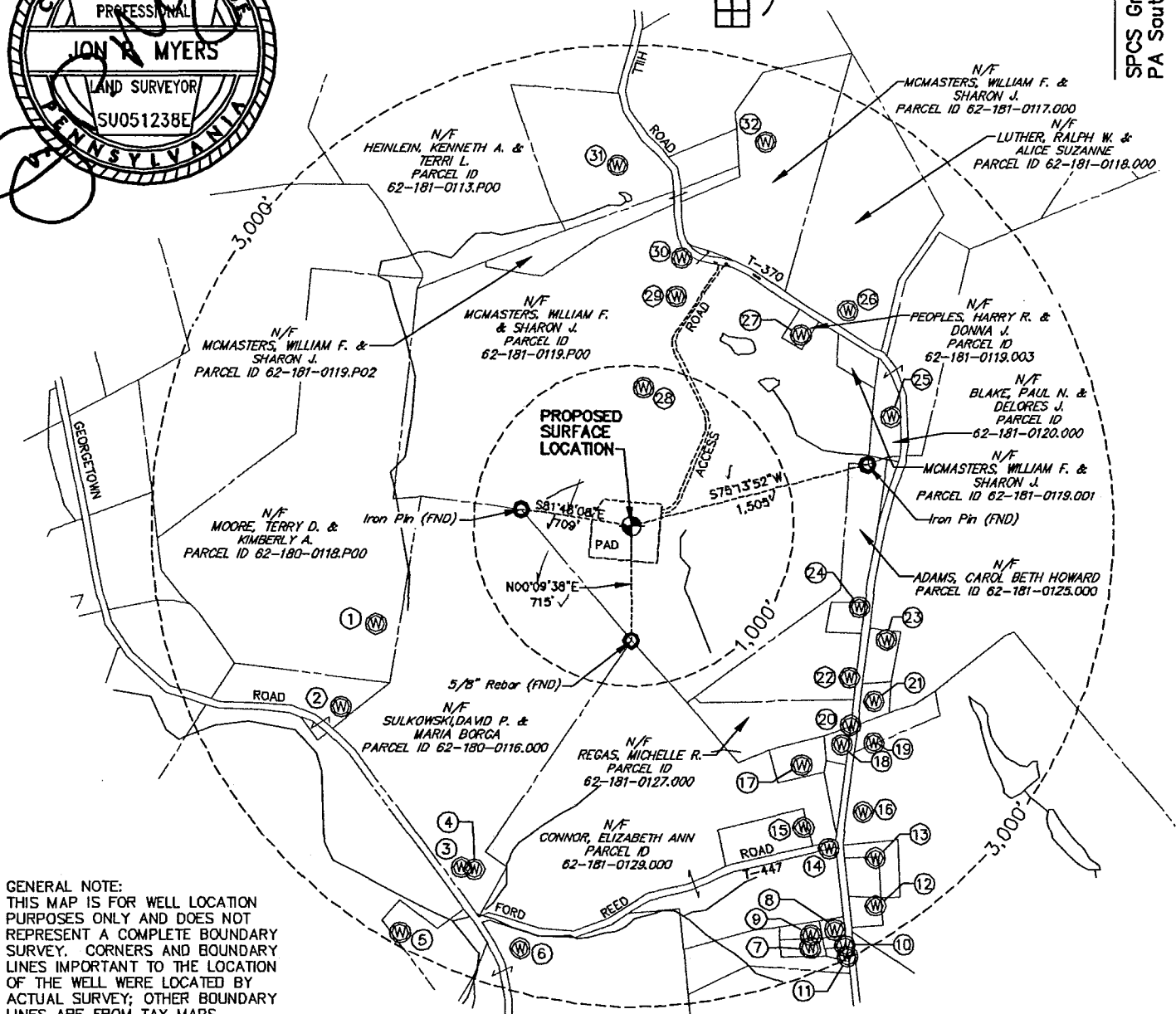
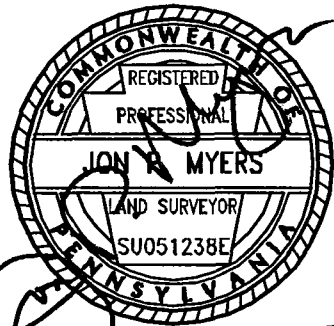
6.207

feet west of longitude

80°

27'

30"



GENERAL NOTE:
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Applicant / Well Operator Name: CHESAPEAKE APPALACHIA, LLC		DEP ID#: 246326	Well (Farm) Name: MCMASTERS BEA		Well #: 3H	Serial #:
Address: 101 N. MAIN STREET, ATHENS, PA 18810		County: BEAVER - 04	Municipality: GREENE TOWNSHIP		Well Type: GAS	
911 address of well site:		USGS 7 1/2" Quadrangle Map Name: HOOKSTOWN (1402)		Map Section: 1	Surface Elevation: 1,129' ft.	
Surveyor or Engineer: RETTEW ASSOCIATES, INC.	Phone #: (800) 738-8395	Dwg #: 085416063_Well Plot	Date: 05-04-2012	Scale: 1"=1,000'	Tract Acreage: 382.15± ACRES	
Lat. & Long Metadata Method: GPS	Accuracy: ±3 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: ±3 ft.	Datum: NAVD 88	Survey Date: 11-15-2011

WELL LOCATION PLAT

COT-20357

Notifications

DEP Statewide toll-free phone number for reporting cases of water contamination which may be associated with the development of oil and gas resources is 1-866-255-5158.

Applicant / Well Operator Name CHESAPEAKE APPALACHIA, LLC		DEP ID# 246326	Well (Farm) Name MCMASTERS BEA		Well# 3H	Serial#
Surface Landowner / Lessor: MCMASTERS, WILLIAM F. & SHARON J.			Angle & Course of Deviation (Drilling): N29°43'57"W 4,929'		Anticipated True Vertical Depth Feet (TVD): 9,045'	Anticipated True Measured Depth Feet (TMD): 13,728'
Target Formation(s): UTICA			Deepest Formation to be penetrated: UTICA		Number of Laterals: 01	Total footage to be drilled all laterals: 13,728'
Subs: Owner / (DEP Property) / Water Supply / Well / 8000 / 8000			Land: Longitude / (DEP Supply)			
1.	MOORE, TERRY D. & KIMBERLY A.	/	(NAD 83) Latitude:	40°36'49.2"	Longitude:	80°29'10.9"
2.	MOORE, CASEY L. & CASSIE A.	/	(NAD 83) Latitude:	40°36'44.0"	Longitude:	80°29'13.4"
3.	SULKOWSKI, DAVID P. & MARIA BORJA	/	(NAD 83) Latitude:	40°36'34.3"	Longitude:	80°29'03.6"
4.	SULKOWSKI, DAVID P. & MARIA BORJA	/	(NAD 83) Latitude:	40°36'34.3"	Longitude:	80°29'02.6"
5.	POLICASTRO, ANTHONY & NANCY J.	/	(NAD 83) Latitude:	40°36'30.2"	Longitude:	80°29'08.3"
6.	RIDER, TIMOTHY R. & MARY ANN	/	(NAD 83) Latitude:	40°36'29.5"	Longitude:	80°28'59.7"
7.	RIDER, TIMOTHY P. & MELISSA A.	/	(NAD 83) Latitude:	40°36'30.1"	Longitude:	80°28'35.3"
8.	RARDIN, DANIEL W. & IRIS M.	/	(NAD 83) Latitude:	40°36'31.3"	Longitude:	80°28'33.4"
9.	NUSSER, SUSAN	/ JUN 06 2012	(NAD 83) Latitude:	40°36'30.9"	Longitude:	80°28'35.3"
10.	RIDER, TIMOTHY P.	/	(NAD 83) Latitude:	40°36'30.3"	Longitude:	80°28'32.6"
11.	SAMBOL, RICHARD N, JR.	/ DEP SOUTHWEST REGION OIL & GAS	(NAD 83) Latitude:	40°36'29.6"	Longitude:	80°28'32.4"
12.	EVANS, ROSE MARIE	/	(NAD 83) Latitude:	40°36'32.8"	Longitude:	80°28'30.2"
13.	EVANS, RICHARD S. & ROSE MARIE	/	(NAD 83) Latitude:	40°36'35.8"	Longitude:	80°28'30.4"
14.	CONNOR, ELIZABETH ANN	/	(NAD 83) Latitude:	40°36'36.5"	Longitude:	80°28'34.1"
15.	SLUKA, FRANK MARTIN	/	(NAD 83) Latitude:	40°36'37.5"	Longitude:	80°28'36.1"
16.	EVANS, RICHARD S. & MICHAEL J.	/	(NAD 83) Latitude:	40°36'38.6"	Longitude:	80°28'31.4"
17.	CONNOR, ROBERT LEE	/	(NAD 83) Latitude:	40°36'41.3"	Longitude:	80°28'36.4"
18.	BETKE, HARRY E. & JOYCE A.	/	(NAD 83) Latitude:	40°36'42.7"	Longitude:	80°28'33.3"
19.	NELSON, KATHY J. & MILLIGAN, ROBERTA	/	(NAD 83) Latitude:	40°36'43.2"	Longitude:	80°28'30.8"
20.	REGAS, MICHELLE R.	/	(NAD 83) Latitude:	40°36'43.8"	Longitude:	80°28'32.6"
21.	NEUGEBAUER, RICHARD L. JR. & DIANE L.	/	(NAD 83) Latitude:	40°36'45.4"	Longitude:	80°28'30.7"
22.	ADAMS, CAROL BETH HOWARD	/	(NAD 83) Latitude:	40°36'46.8"	Longitude:	80°28'32.8"
23.	WADDINGHAM, MARK & SANDRA	/	(NAD 83) Latitude:	40°36'49.2"	Longitude:	80°28'29.9"
24.	MATCHETT, DONNA L.	/	(NAD 83) Latitude:	40°36'51.2"	Longitude:	80°28'32.2"
25.	BLAKE, PAUL B. & DELORES J.	/	(NAD 83) Latitude:	40°37'02.9"	Longitude:	80°28'30.0"
26.	LUTHER, RALPH W. & ALICE SUZANNE	/	(NAD 83) Latitude:	40°37'09.4"	Longitude:	80°28'33.7"
27.	PEOPLES, HARRY R. & DONNA J.	/	(NAD 83) Latitude:	40°37'07.8"	Longitude:	80°28'37.4"
28.	MCMASTERS, WILLIAM F. & SHARON J.	/ 863'	(NAD 83) Latitude:	40°37'04.3"	Longitude:	80°28'49.9"
29.	MCMASTERS, WILLIAM F. & SHARON J.	/	(NAD 83) Latitude:	40°37'09.9"	Longitude:	80°28'47.4"
30.	MCMASTERS, WILLIAM F. & SHARON J.	/	(NAD 83) Latitude:	40°37'12.3"	Longitude:	80°28'47.1"
31.	GORNEY, JEROME R. JR.	/	(NAD 83) Latitude:	40°37'17.9"	Longitude:	80°28'52.5"
32.	MCMASTERS, WILLIAM F. & SHARON J.	/	(NAD 83) Latitude:	40°37'19.6"	Longitude:	80°28'40.6"

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WELL LOCATION PLAT

007-20357

Plan View of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as $\otimes$ and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed course of the actual wellbore to be drilled.

Applicant / Well Operator Name CHESAPEAKE APPALACHIA, LLC	DEP ID# 246326	Well (Farm) Name MCMASTERS BEA	Well # 3H	Scale: 1"=1,600'
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SURFACE LOCATION / KOP 1

True Latitude: NORTH (NAD 83)
40°36'55.7"

True Longitude: WEST (NAD 83)
80°28'50.5"

LANDING POINT

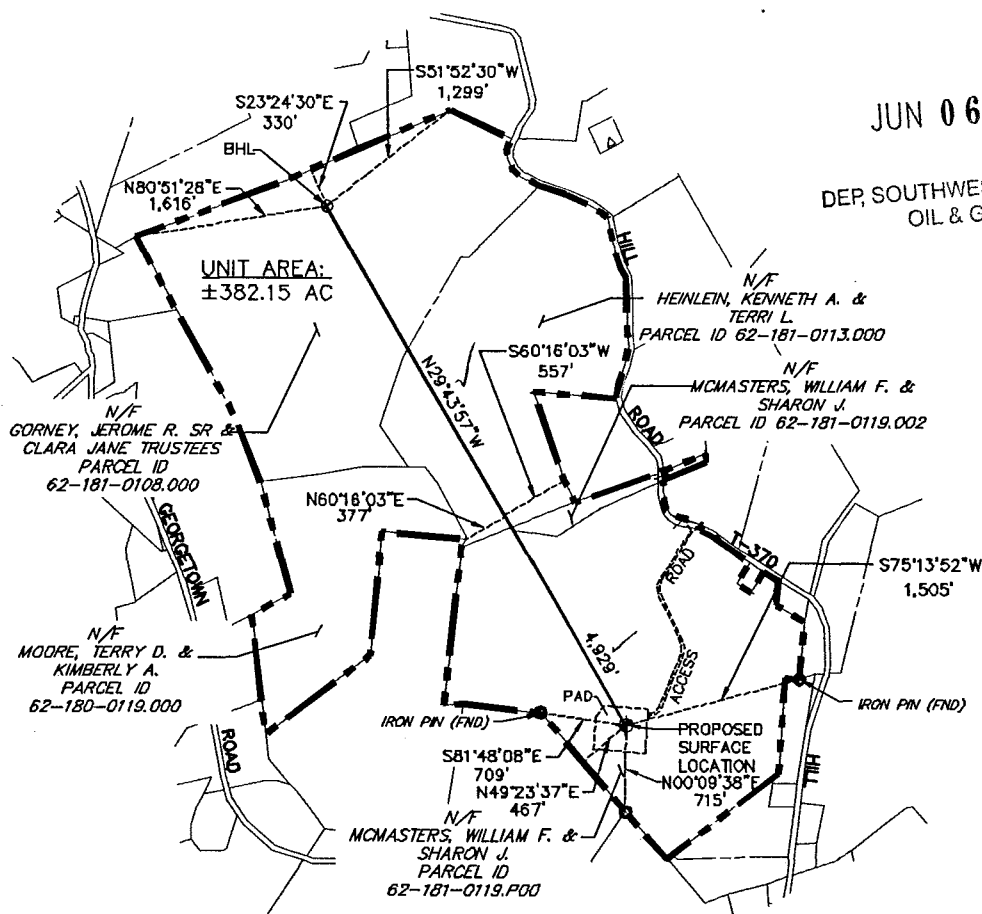
True Latitude: NORTH (NAD 83)
40°37'00.6"

True Longitude: WEST (NAD 83)
80°28'54.4"

BOTTOM HOLE LOCATION (BHL)

True Latitude: NORTH (NAD 83)
40°37'37.3"

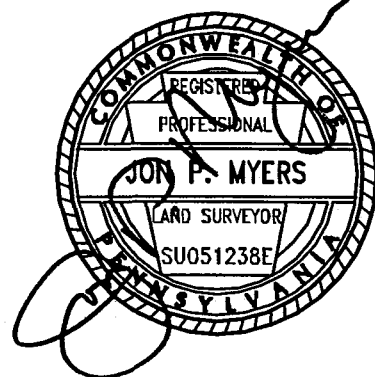
True Longitude: WEST (NAD 83)
80°29'23.9"



JUN 06 2012

DEP, SOUTHWEST REGION
OIL & GAS

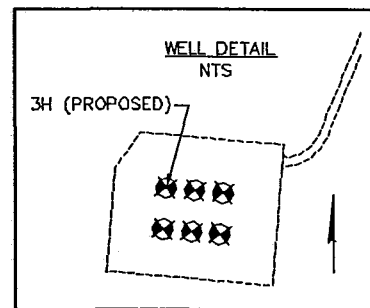
SPCS Grid North
PA South Zone



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LEGEND

- $\otimes$ PROPOSED GAS WELL
- PROPOSED BORE
- OIL & GAS LEASE BOUNDARY
- PROPERTY LINE
- TIE LINE



WELL LOCATION PLAT

Cross Section

JUN 06 2012

DEP. SOUTHWEST REGION
OIL & GAS

Applicant / Well Operator Name CHESAPEAKE APPALACHIA, LLC	DEP ID# 246326	Well (Farm) Name MCMASTERS BEA	Well# 3H
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WELL PLAN

Operator Name: CHESAPEAKE APPALACHIA, LLC

Well / Farm Name: MCMASTERS BEA 3H

DEP
USE
ONLY

Permit #

007-
20357

Latitude (NAD 83) Longitude (NAD 83)

KOP : TVD 8472ft TMD 8472ft 40°36'55.7" 80°28'50.5"

Notes: Elk Formation not present.

Landing Point : TVD 9045ft TMD 9372ft 40°37'00.6" 80°28'54.4"

