



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

DEP USE ONLY	Auth ID #:	12-11-15
	Permit #:	G: BEH
	Project #:	C:

PAGE 1 Surface location

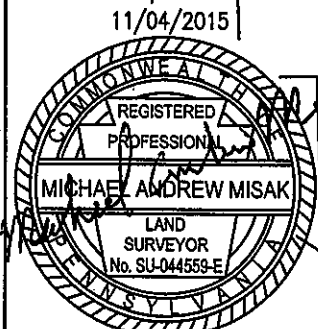
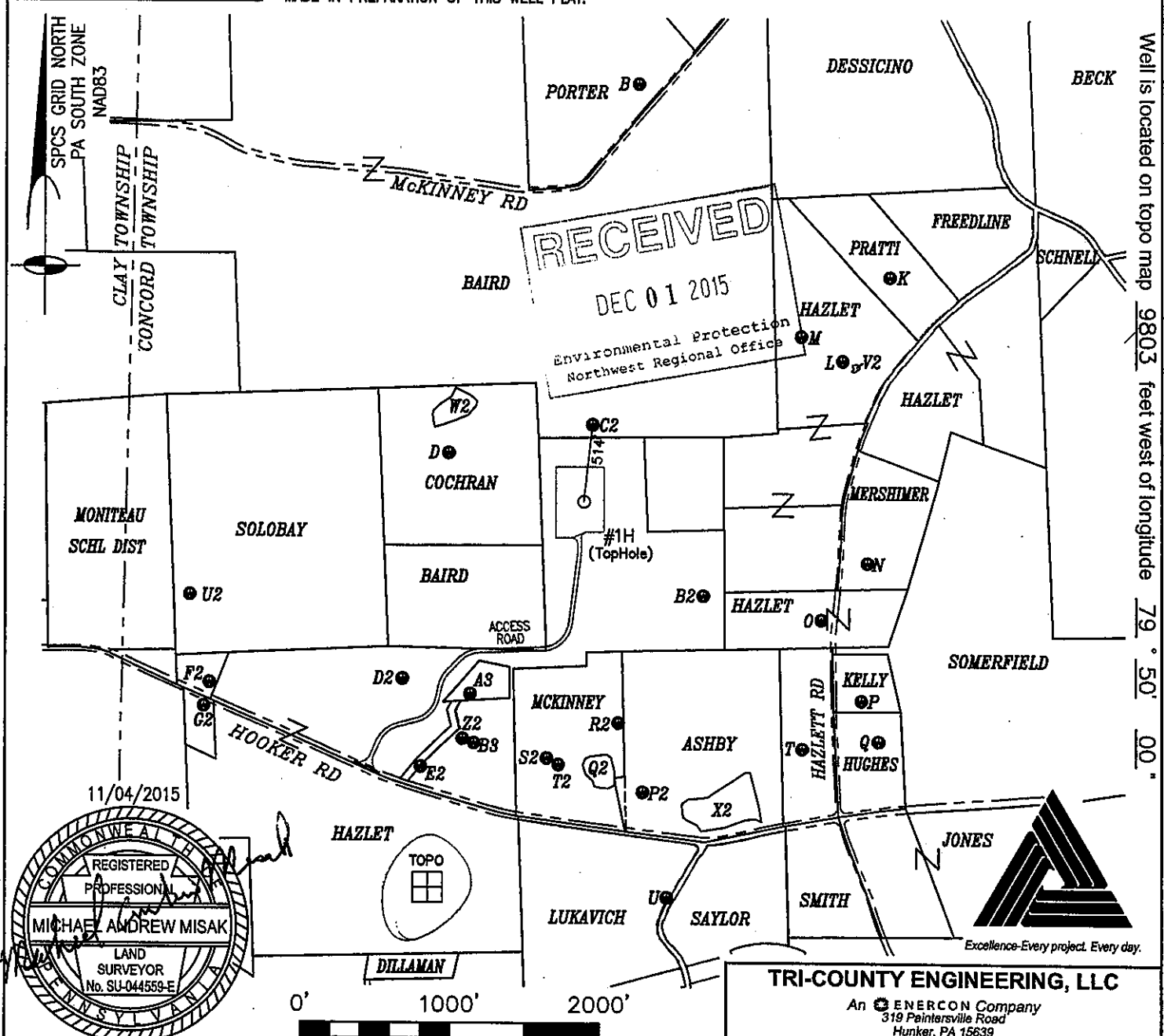
	Denotes location of well on topo map
True Latitude: NORTH (NAD83) 41° 00' 11.92"	
True Longitude: WEST (NAD83) 79° 52' 07.88"	

Well is located on topo map 13974 feet south of latitude 41° 02' 30"

NOTE:

THIS PLAT IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. CORNERS AND LINES PERTINENT TO LOCATING THE PROPOSED WELL ARE FROM FIELD SURVEY. OTHER LINES AND FEATURES SHOWN ARE FROM TAX MAPS AND/OR DEEDS. THE INFORMATION PRESENTED SHOULD NOT BE UTILIZED FOR ANY OTHER PURPOSES. THIS PROPERTY IS SUBJECT TO ANY EASEMENTS, RIGHT-OF-WAY AND/OR ENCUMBRANCES BOTH APPARENT AND OF RECORD. NO TITLE SEARCH HAS BEEN MADE IN PREPARATION OF THIS WELL PLAT.

LEGEND	
	SURFACE BOUNDARY
	PROPOSED GAS WELL TOPHOLE
	EXISTING GAS WELL
	SURFACE LANDOWNER - WATER SUPPLY



Applicant / Well Operator Name: R.E. GAS DEVELOPMENT, LLC		DEP ID #: 290866	Well (Farm) Name: BAIRD UNIT		Well #: 1H	Serial #:
Address: 366 WALKER DRIVE, STATE COLLEGE, PA 16801		County: BUTLER - 10	Municipality: CONCORD TOWNSHIP		Well Type: GAS	
911 Address of Well Site: 435 HOOKER ROAD, WEST SUNBURY, PA 16016		USGS 7 1/2' Quadrangle Map Name: HILLIARDS 1007	Map Section: 7		Surface Elevation: 1386	
Surveyor or Engineer: MICHAEL A. MISAK TRI-COUNTY ENGINEERING, LLC	Phone #: (724)635-0210	Dwg. #: REXOG60-04-1H	Date: 10/28/2015	Scale: 1" = 1000'	Tract Acreage: 1661.26	
Lat. & Long Metadata Method: Direct GPS	Accuracy: SUB-METER	ft. Datum: NAD 83	Elevation Metadata Method: Direct GPS	Accuracy: 2'	ft. Datum: NAVD 88	Survey Date: 7/23/2015

TRI-COUNTY ENGINEERING, LLC

An ENERCON Company
319 Paintersville Road
Hunkar, PA 15639

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WELL LOCATION PLAT

PAGE 2 Notifications

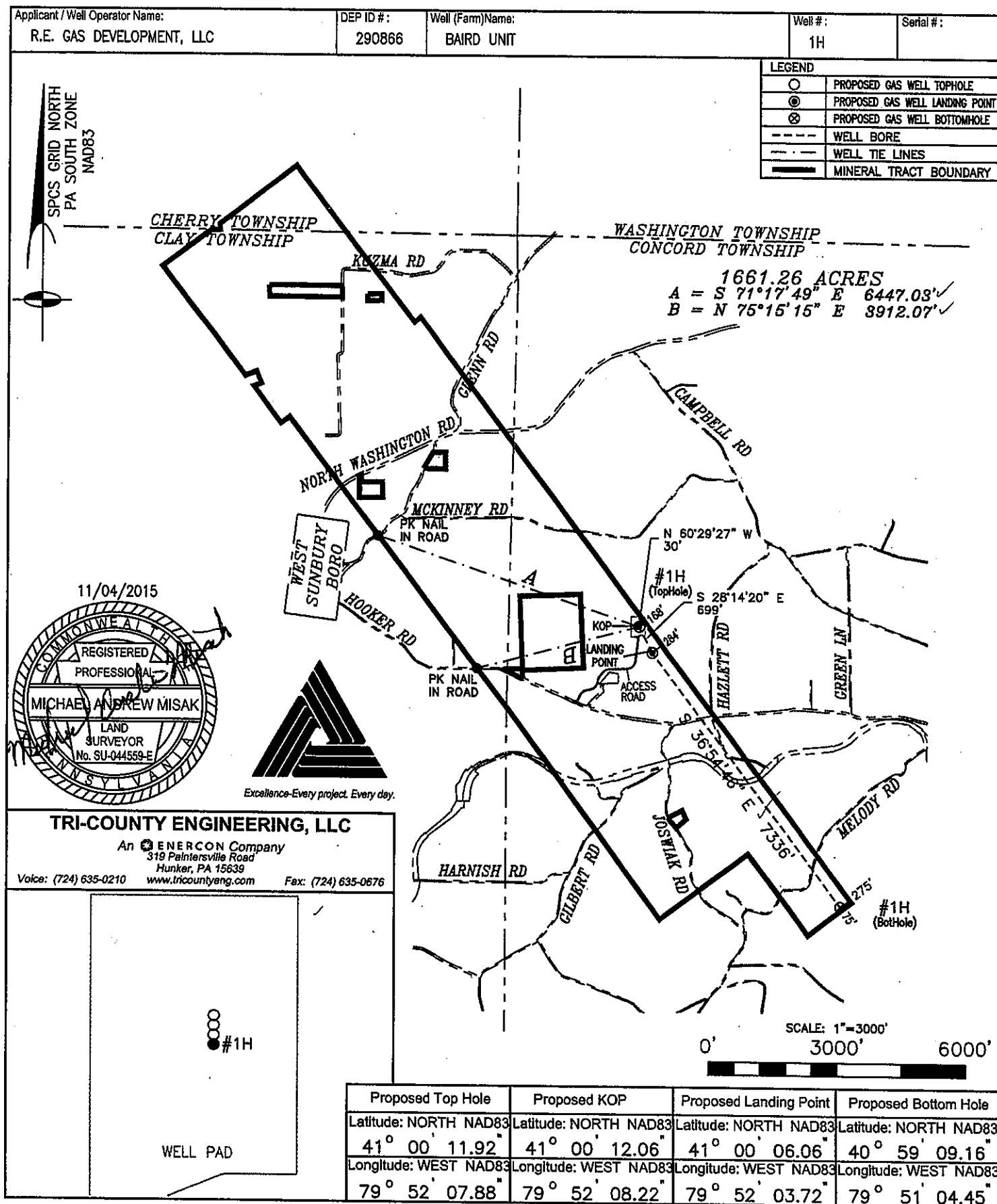
DEP Statewide toll-free phone number for reporting cases of water contamination which may be associated with development of oil & gas resources is **1-866-255-5158**.

Applicant / Well Operator Name: R.E. GAS DEVELOPMENT, LLC		DEP ID #: 290866	Well (Farm) Name: BAIRD UNIT ✓	Well #: 1H ✓	Serial #:
Surface Landowner / Lessor: GEORGE HAZLET JR ET AL		Angle & Course of Deviation (Drilling): SEE PAGE 4		Anticipated True Vertical Depth Feet (TVD): B=5231, M=5467 ✓	Anticipated Total Measured Depth Feet (TMD): B=12987, M=13223 ✓
Target Formation (s): BURKETT/MARCELLUS ✓		Deepest Formation to be Penetrated: MARCELLUS ✓		Number of laterals: 2 ✓	Total Wellbore Footage to be drilled all laterals: 22083 ✓
Surface Owner/Water Purveyor w/Water Supply within 1000/3000'		Latitude / Longitude of Water Supply			
B) NANCY J & CHARLES E PORTER		N41°00'39.46" W79°52'04.03"			
D) JAMES B & DEBRA A COCHRAN		N41°00'14.87" W79°52'19.78"			
K) DAVID R & LINDA J PRATTI		N41°00'27.26" W79°51'41.78"			
L) CLARENCE E HAZLET		N41°00'21.63" W79°51'45.67"			
M) CLARENCE E HAZLET		N41°00'23.18" W79°51'49.35"			
N) DEWAYNE P & SUE A MERSHIMER		N41°00'08.45" W79°51'43.05"			
O) WILLIAM D III & WENDY JO HAZLET		N41°00'04.60" W79°51'47.00"			
P) AMY S & MICHAEL P KELLY		N40°59'59.40" W79°51'43.30"			
Q) DIANE M & GREGORY E HUGHES		N40°59'56.77" W79°51'41.74"			
T) KEVIN T ISOVITSCH		N40°59'56.13" W79°51'48.40"			
U) JEAN M & STEPHANIE LUKAVICH		N40°59'46.10" W79°51'59.88"			
B2) GEORGE HAZLET JR ET AL		N41°00'05.97" W79°51'57.33"			
C2) DUWAYNE L BAIRD JR ET AL		N41°00'16.99" W79°52'07.31"			
D2) GEORGE HAZLET JR ET AL		N40°59'59.97" W79°52'23.33"			
E2) GEORGE HAZLET JR ET AL		N40°59'54.23" W79°52'21.55"			
F2) PATRICIA D RASP		N40°59'59.34" W79°52'40.12"			
G2) WENDY S HAZLET & DOUGLAS PROTZMAN		N40°59'57.78" W79°52'40.57"			
P2) MARSHALL W ASHBY		N40°59'52.97" W79°52'02.16"			
Q2) ROBERT L MCKINNEY		N40°59'53.36" W79°52'04.66"			
Municipality: where the well will be drilled, adjacent to the well, or within 3000 feet		Municipality: where the well will be drilled, adjacent to the well, or within 3000 feet			
CONCORD TOWNSHIP – BUTLER COUNTY					
FAIRVIEW TOWNSHIP – BUTLER COUNTY					
PARKER TOWNSHIP – BUTLER COUNTY					
WASHINGTON TOWNSHIP – BUTLER COUNTY		Coal related parties			
CHERRY TOWNSHIP – BUTLER COUNTY					
CLAY TOWNSHIP – BUTLER COUNTY					
CENTER TOWNSHIP – BUTLER COUNTY					
OAKLAND TOWNSHIP – BUTLER COUNTY					
DONEGAL TOWNSHIP – BUTLER COUNTY					

WELL LOCATION PLAT

PAGE 3 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 courses of the actual wellbore to be drilled.



11/04/2015



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● #1H

WELL PAD

Proposed Top Hole	Proposed KOP	Proposed Landing Point	Proposed Bottom Hole
Latitude: NORTH NAD83 41° 00' 11.92"	Latitude: NORTH NAD83 41° 00' 12.06"	Latitude: NORTH NAD83 41° 00' 06.06"	Latitude: NORTH NAD83 40° 59' 09.16"
Longitude: WEST NAD83 79° 52' 07.88"	Longitude: WEST NAD83 79° 52' 08.22"	Longitude: WEST NAD83 79° 52' 03.72"	Longitude: WEST NAD83 79° 51' 04.45"



WELL DETAILS: Baird Unit 1H

Ground Level: 1386.0

+N/-S 0.0
+E/-W 0.0
Northing 615387.42

Latitude 41° 0' 11.920 N

Longitude 79° 52' 7.880 W

Baird Well Pad		
Formation	SSTVD @ 0' VS	TVD @ 0' VS
Base Murrysville	-237	1641
Elk Sand	-1115	2519
Rhinestreet	-3311	4715
Genesee	-3704	5108
Burkett	-3812	5216
Tully	-3839	5243
Hamilton	-3914	5318
Upper Marcellus	-4009	5413
Cherry Valley	-4028	5432
Lower Marcellus	-4033	5437
Onondaga	-4077	5481

