



**HUNTLEY & HUNTLEY
ENERGY EXPLORATION**

Mail ID Number: _9402810898765019380411

October 3, 2018

Elizabeth Township
522 Rock Run Rd
Elizabeth, PA 15037

RECEIVED
10/4/18

**RE: Permit Application to Drill
Plutus Well Pad
Elizabeth Township, Allegheny County, PA**

This notice, under the requirements of the 2012 Oil and Gas Act is to inform you that Huntley & Huntley Energy Exploration, LLC (HHEX) is applying for coverage for a Permit to Drill and Operate an Unconventional Well from the Pennsylvania Department of Environmental Protection (PADEP) for a modified gas well. As a surface landowner, water purveyor, municipality, coal owner, coal lessee, or coal operator, you are required to be notified of the permit application.

Enclosed is a copy of HHEX's Permit Application to Drill and Operate an Unconventional Well, and Well Location Plat(s) for the modified Plutus well(s) that will be submitted to the Pennsylvania Department of Environmental Protection (PADEP). Also enclosed for water purveyors is the Notification of Surface Landowner/Water Purveyor of Well Drilling Operation or Alteration Water Supply Protection.

Applicant Contact: Brian Dillemath
Huntley & Huntley Energy Exploration, LLC
501 Technology Drive, Suite 1200
Canonsburg, PA 15317
Phone: 724-754-0110

This is simply a letter of notification. No action on your part is required. The receipt of this certified letter serves as proof of notification delivery. If you wish to submit comments to the DEP, you must respond within 15 days to the Department of Environmental Protection, Office of Oil and Gas Management, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh PA 15222.

Sincerely,

Huntley & Huntley Energy Exploration, LLC

Enclosures

501 Technology Drive, Suite 1200
Canonsburg, PA 15317



PERMIT APPLICATION TO DRILL AND OPERATE AN UNCONVENTIONAL WELL

Please read instructions before you begin filling in this form.

WELL INFORMATION									
Well Operator Huntley & Huntley Energy Exploration, LLC		DEP ID# 331797	Well API No. 37-003-22543-00-00		Well Farm Name Plutus		Well # 11M		
Address 501 Technology Drive, Suite 1200			LAT 40.257026 LONG - 79.801705		NAD 83	Project Number N/A	Serial # N/A		
City Canonsburg		State PA	Zip Code 15317	Municipality Name/ City, Borough, Township Elizabeth / Township		County Allegheny			
Phone No. 724-754-0093		Fax No. N/A		Email brian.dillemoth@HHEnergyCo.com		USGS 7.5 min. quadrangle map McKEESPORT		Section 8	
24/7 Emergency Phone Contact No.: 412-357-4100			ESGP Permit No. ESX17-003-0010		Well Pad (cluster) Name/identification Plutus				
911 address of well site (if available) 1665 Fallen Timber Rd, Elizabeth, PA 15037									
Surface Elev. 1030	Deepest Formation to be Penetrated Marcellus		Anticipated TVD 8240		PERMIT TYPE Check applicable. Application is to <input checked="" type="checkbox"/> Modify existing well/permit	TYPE OF WELL Check applicable. <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Comb. (gas & oil/condensate)		APPLICATION FEE Check applicable. <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Non-vertical Total Application Fee \$5,250	
Target Formation(s) Proposed for Production Marcellus		Anticipated Target Top/Bottom TVD 8065 / 8250				Configuration <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Deviated <input type="checkbox"/> Multiple laterals		Bond Agreement Id: 14776	
Number of wellbore laterals proposed under this application 1. Total feet of wellbore to be drilled under this application 21090 Ft.									
PNDI Attached: <input checked="" type="checkbox"/> Any threatened or endangered "hit" must include a demonstration of how the impact will be avoided or minimized and mitigated, or justification that section 78a.15(e) applies.									
Application submitted as: <input checked="" type="checkbox"/> Coal well (Attach Coal Module) <input type="checkbox"/> Non coal well (Attach justification)									
COORDINATION WITH REGULATIONS AND OTHER PERMITS						Yes	No		
1. Will the well be subject to the Oil and Gas Conservation Law? If "No," go to 2).						<input type="checkbox"/>	<input checked="" type="checkbox"/>		
a. If "Yes" to #1, is the well at least 330 feet from outside lease or unit boundary?						<input type="checkbox"/>	<input type="checkbox"/>		
b. Does the location fall within an area covered by a spacing order?						<input type="checkbox"/>	<input type="checkbox"/>		
c. If the well will be multilateral, identify the wellbores on the sketch on page 3 of the plat that will be completed as conservation and non-conservation.									
2. Will the proposed limit of disturbance of the well site be within 100 feet measured horizontally from any watercourse or any high quality of exceptional value body of water or any wetland one acre or greater in size?						<input type="checkbox"/>	<input checked="" type="checkbox"/>		
If yes, attach the following if applicable: a site-specific E&S control plan, a permit consistent with Chapter 102, applicable portions of the Pollution Prevention Control Plan, applicable portions of the Well Site Emergency Response Plan, applicable portions of the Site Containment Plan, the permit number of a Water Obstruction and Encroachment Permit issued pursuant to Chapter 105, or justification that section 78a.15(e) applies.						<input type="checkbox"/>	<input type="checkbox"/>		
Will the well or well site be located within a defined 100 year floodplain or where the floodplain is undefined, within 100 feet of the top of the bank of a perennial stream or within 50 feet of the top of the bank of an intermittent stream.						<input type="checkbox"/>	<input checked="" type="checkbox"/>		
If yes, attach a plan that identifies the additional measure, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the Commonwealth						<input type="checkbox"/>	<input type="checkbox"/>		

COORDINATION WITH REGULATIONS AND OTHER PERMITS (cont'd)		Yes	No
3. Will the vertical wellbore section penetrate or be within 3,000 feet of an active gas storage reservoir boundary?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If Yes, print the names of:	Storage Field: _____ Operator: _____		
4. Is the proposed well location within the permitted area of a landfill ?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Will the vertical wellbore section of the unconventional well be drilled within 500 feet from any existing building or an existing water supply?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If "Yes," is written consent from the owner attached?		<input type="checkbox"/>	<input type="checkbox"/>
b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?		<input type="checkbox"/>	<input type="checkbox"/>
5.1. Will the vertical wellbore of the unconventional well be drilled within 1,000 feet from any existing water well, surface water intake, reservoir or other water supply extraction point used by a water purveyor?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If "Yes," is written consent from the owner attached?		<input type="checkbox"/>	<input type="checkbox"/>
b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?		<input type="checkbox"/>	<input type="checkbox"/>
6. Is this permit application for a well that will be drilled on a well site for which construction was completed prior to April 16, 2012?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
a. If "Yes," was there a permitted well at this well site prior to April 16, 2012?		<input type="checkbox"/>	<input type="checkbox"/>
b. If the answer to question no. 6a is "Yes", provide the US Well Number (API No.) of the well permitted at this site prior to April 16, 2012. _____		<input type="checkbox"/>	<input type="checkbox"/>
7. Will the well be located where it may impact a public resource as outlined in the "Coordination of a Well Location with Public Resources" form 8000-PM-OOGM0076? If yes, attach a completed copy of the form.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Will any portion of the well site be in a Special Protection High Quality <input type="checkbox"/> (HQ) or Exceptional Value <input type="checkbox"/> (EV) watershed? Provide name of special protection watershed _____.		<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Is this well part of a development which requires an Earth Disturbance Permit for Oil and Gas Activities disturbing more than 5 acres? If yes, list the number of the ESCGP approval if the permit has been issued. ESX17-003-0010 _____ If no, is this well part of a development that involves 1 to less than 5 acres of earth disturbance over the life of the project and is the answer to question no. 8 "Yes"? If yes, attach a site-specific E&S control plan.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Is the well to be located within a H ₂ S area pursuant to §78a.77a?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Attach a current Ownership & Control form 8000-FM-OOGM0118 with the first application submitted after the effective date of the final "Environmental Protection Performance Standards at Oil and Gas Well Sites" rulemaking, or if there have been any changes to parent and subsidiary business corporations.			
Signature of Applicant	The person signing this form attests that they have the authority to submit this application on behalf of the applicant, and that the information, including all related submissions, is true and accurate to the best of their knowledge.		
Signature of Person Authorized to Submit Application	(Print or Type)	Name of Signer: BRIAN DILLEMUTH Title: Regulatory Advisor	Date
Application Preparer/Contact: ALICIA N JOHNSTON		Phone: 724-463-7303	

DEP	Auth ID #:	G:
USE	Permit #:	C:
ONLY	Project #:	



WELL LOCATION PLAT

PAGE 1 Surface Location

Denotes location of top of well on topo map.

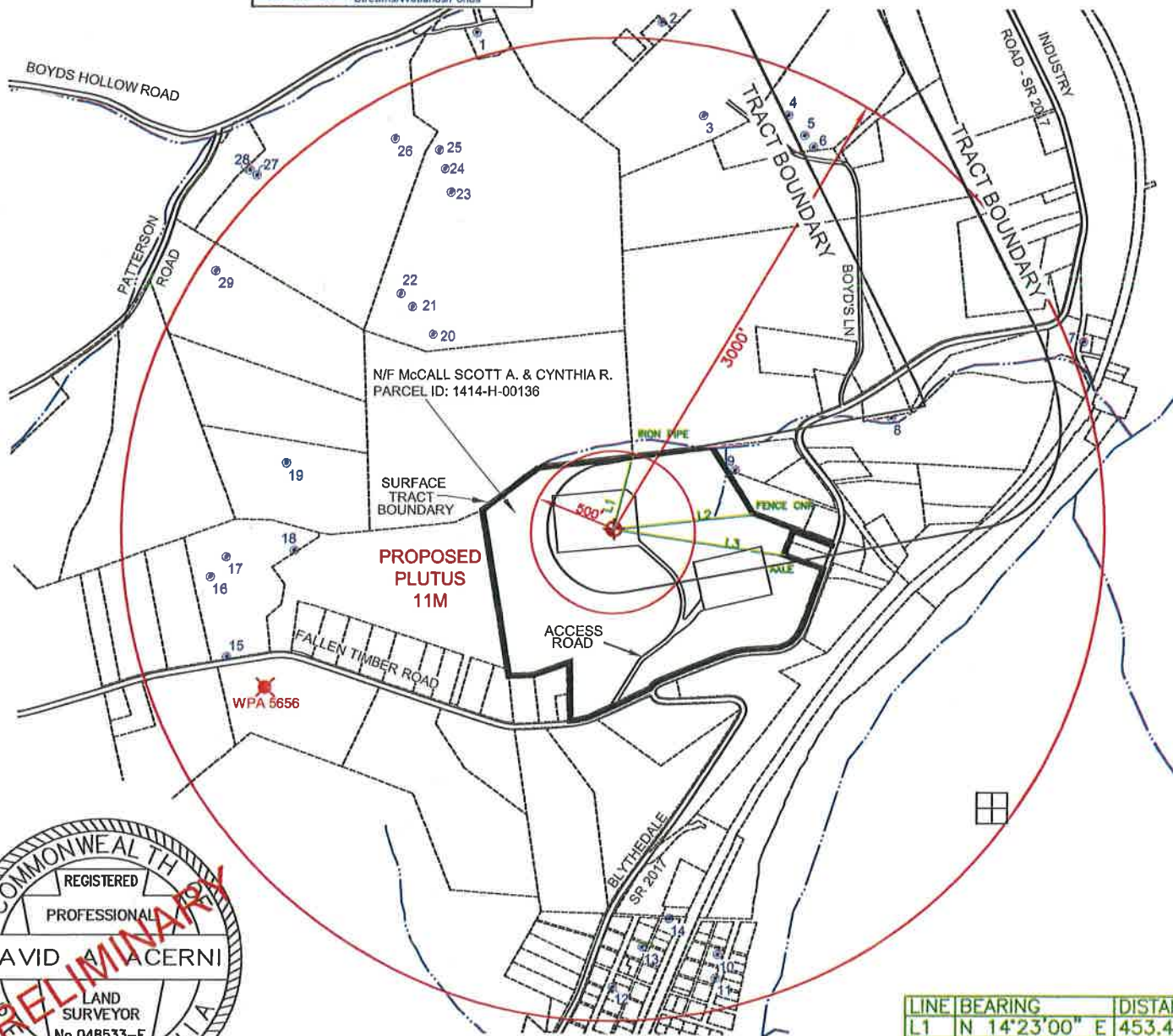
Well is located on topo map 12620 feet south of latitude 40° 17' 30"

True Latitude: NORTH
40° 15' 25.29"
True Longitude: WEST
79° 48' 06.14"

LEGEND

- Water Source
- Proposed Gas Well
- Surface Tract Boundary
- Surface Boundary
- Well Tie Line
- Existing Gas Well
- Historic Well Record
- Streams/Wetlands/Ponds

NOTE:
1. THE PURPOSE OF THIS PLAT IS FOR THE LOCATION OF PROPOSED GAS WELLS AND DOES NOT REPRESENT A CLOSED BOUNDARY SURVEY. PROPERTY LINES AND OWNERS WERE OBTAINED FROM VARIOUS FIELD EVIDENCE, TAX RECORDS, AND AERIAL MAPPING.



Well is located on topo map 2802 feet west of longitude 79° 47' 30"



LINE	BEARING	DISTANCE
L1	N 14°23'00" E	453.42'
L2	N 83°52'20" E	854.86'
L3	S 81°11'29" E	1056.28'

Applicant / Well Operator Name: HUNTLEY & HUNTLEY ENERGY EXPLORATION LLC		DEP ID#: 331797	Well (Farm) Name: PLUTUS		Well #: 11M	Serial #:
Address: 501 TECHNOLOGY DRIVE CANONSBURG, PA 15317			County: ALLEGHENY	Municipality: ELIZABETH TOWNSHIP	Well Type: GAS	
911 address of well site: 1665 FALLEN TIMBER RD. ELIZABETH, PA 15037			USGS 71/2 Quadrangle Map Name: McKEESPORT	Map Section: 8	Surface Elevation: 1030 ft. Proposed	
Surveyor or Engineer: ENVIRONMENTAL LAND SURVEYING DAVID A. ACERNI, P.L.S.	Phone #: 724-463-7303	Dwg #: HHEX PLUTUS 11M.dwg	Date: 9/21/2018	Scale: 1"=1000'	Tract Acreage: 286.38 ±	
Lat. & Long Metadata Method: DIRECT GPS	Accuracy: ±3 ft.	Datum: NAD83	Elevation Metadata Method: DIRECT GPS	Accuracy: ±3 ft.	Datum: NAVD88	Survey Date: 04/13/2018

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 and gas resources is **1-866-255-5158**.

Applicant / Well Operator Name	DEP ID#	Well (Farm) Name	Well #	Serial #
HUNTLEY & HUNTLEY ENERGY EXPLORATION LLC	331797	PLUTUS	11M	
Surface Landowner / Lessor: McCALL, SCOTT A. AND CYNTHIA R.		Angle & Course of Deviation (Drilling): N 14°59'50" W 12204.73'	Anticipated True Vertical Depth Feet (TVD): 8240.00'	Anticipated Total Measured Depth Feet (TMD): 21089.93
Target Formation(s): MARCELLUS		Deepest Formation to be penetrated: MARCELLUS	Number of laterals: 1	Total footage to be drilled all laterals: 21089.93
Surface Owner/Water Purveyor w/Water Supply within 1000'/3000'		Latitude Longitude of Water Supply		
1. HAWTHORNE JOSEPH GARY & SANDRA LEE		40°15'55.08"	79°48'17.96"	
2. KUCSMAS BRYAN C & KATHY (W)		40°15'55.98"	79°48'03.47"	
3. PRIBANIC JEFFREY A		40°15'50.41"	79°48'00.03"	
4. FALATEK NYLES L		40°15'50.56"	79°47'53.29"	
5. FALATEK NYLES L		40°15'49.39"	79°47'51.97"	
6. FALATEK NYLES L		40°15'48.69"	79°47'51.25"	
7. SLONECKER ROBERT R		40°15'37.40"	79°47'29.46"	
8. CAMPBELL DONALD & DOLORES		40°15'32.52"	79°47'44.46"	
9. HURST THOMAS E		40°15'29.10"	79°47'56.70"	
10. OHLER THOMAS J & VALERIE A		40°14'59.86"	79°47'57.06"	
11. HECK DAVID W		40°14'58.44"	79°47'57.19"	
12. HUTCHINS JOHN M & JACLYN		40°14'57.75"	79°48'05.30"	
13. KAMINSKY JAYME L & DAVID B KAMINSKY JR		40°15'00.21"	79°48'03.01"	
14. MCELHINNY EARL J		40°15'01.95"	79°48'00.96"	
15. FALLEN TIMBER STABLES L L C		40°15'17.02"	79°48'36.25"	
16. FALLEN TIMBER STABLES L L C		40°15'21.86"	79°48'37.66"	
17. FALLEN TIMBER STABLES L L C		40°15'23.09"	79°48'36.50"	
18. FALLEN TIMBER STABLES L L C		40°15'23.57"	79°48'31.24"	
19. BARNCORD RICHARD D & BARBARA ANN		40°15'28.85"	79°48'32.02"	
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		
ELIZABETH TOWNSHIP		SEWICKLEY TOWNSHIP		
FORWARD TOWNSHIP		NORTH HUNTINGDON TOWNSHIP		
JEFFERSON HILLS BOROUGH		SUTERSVILLE BOROUGH		
LINCOLN BOROUGH		CITY OF MCKEESPORT		
VERSAILLES BOROUGH		Coal related parties		
WHITE OAK BOROUGH		LOWER AND REGULAR SIX FOOT VEIN AND FREEPORT SEAMS		
ELIZABETH BOROUGH		-RESERVE COAL PROPERTIES COMPANY		
SOUTH VERSAILLES TOWNSHIP		ALL OTHER SEAMS		
ROSTRAVER TOWNSHIP		-McCALL, SCOTT A. AND CYNTHIA R.		

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 ⊗ 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.

Applicant / Well Operator Name	DEP ID#	Well (Farm) Name	Well #
HUNTLEY & HUNTLEY ENERGY EXPLORATION LLC	331797	PLUTUS	11M



NOTE:
TRACT BOUNDARY AND WELL DATA PROVIDED BY
HUNTLEY & HUNTLEY ENERGY EXPLORATION,LLC

Projected Top Hole
Latitude North: (NAD 83) 40° 15' 25.29"
Longitude West: (NAD 83) 79° 48' 06.14"

Projected KOP
Latitude North: (NAD 83) 40° 15' 29.82"
Longitude West: (NAD 83) 79° 47' 37.59"

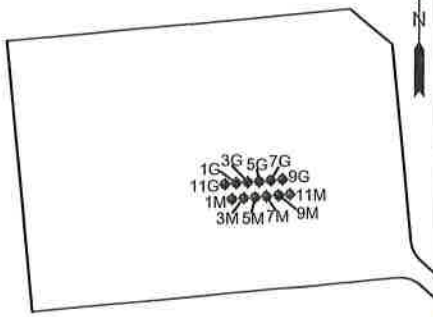
Projected Landing Point
Latitude North: (NAD 83) 40° 15' 36.66"
Longitude West: (NAD 83) 79° 47' 38.16"

Projected Bottom Hole
Latitude North: (NAD 83) 40° 17' 21.04"
Longitude West: (NAD 83) 79° 48' 50.42"

LINE	BEARING	DISTANCE
L1	N 14°23'00" E	453.42'
L2	N 83°52'20" E	854.86'
L3	S 81°11'29" E	1056.28'



WELL PAD DETAIL
SCALE: 1"=250'



±286.38 Acres
SCALE: 1"=2000'

WELL LOCATION PLAT

Page 4 Cross Section

Applicant / Well Operator Name HUNTLEY & HUNTLEY ENERGY EXPLORATION LLC	DEP ID# 331797	Well (Farm) Name PLUTUS	Well # 11M
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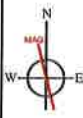
WELL PLAN

DEP Use Only	Permit #
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Operator name : HUNTLEY & HUNTLEY ENERGY EXPLORATION LLC

Well / Farm name : PLUTUS

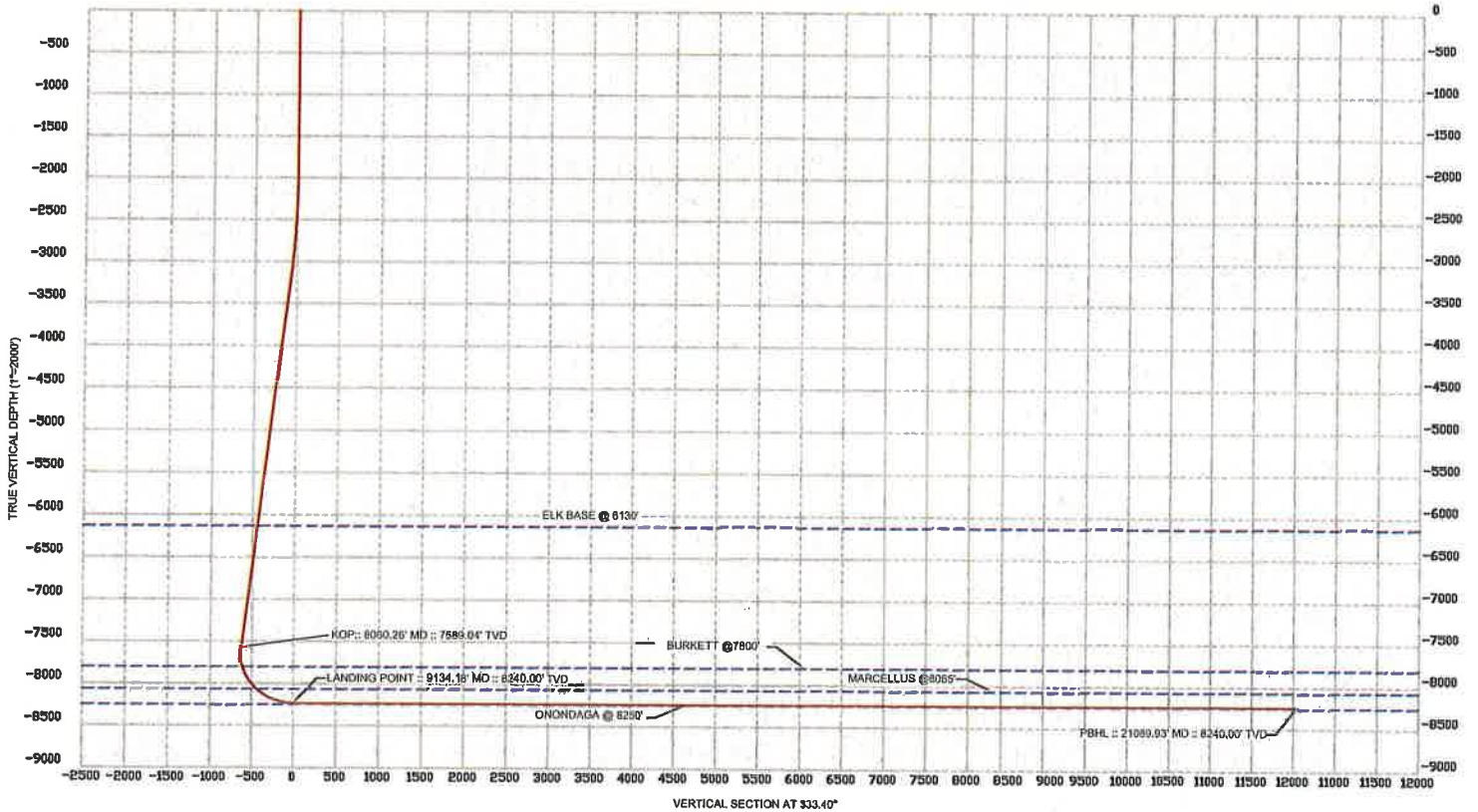
	TVD :	TMD :	Latitude	Longitude
KOP :	<u>7589.04</u>	<u>8060.26</u>	<u>40° 15' 29.82" N</u>	<u>79° 47' 37.59" W</u>
Landing Point :	<u>8240.00</u>	<u>9134.18</u>	<u>40° 15' 36.66" N</u>	<u>79° 47' 38.16" W</u>
Bottom Hole Point :	<u>8240.00</u>	<u>21089.93</u>	<u>40° 17' 21.04" N</u>	<u>79° 48' 50.42" W</u>



Azimuths to True North
Magnetic North : -8.69°

Magnetic Field
Strength : 52,224.4 snT
Dip Angle : 67.27°
Date : 04/27/2018
Model : HDGM

NAD 83



NOTE: WELLBORE WILL NOT PENETRATE ONONDAGA

ELS
280 INDIAN SPRINGS RD STE 123
INDIANA PA 15701-3676

US POSTAGE AND FEES PAID
PRIORITY MAIL
Oct 03 2018
Mailed from ZIP 15701
1 lb PM Zone 2



CommercialBasePrice

071S00777793

USPS CERTIFIED MAIL



9402 8108 9876 5019 3804 11

Elizabeth Township
522 ROCK RUN RD
ELIZABETH PA 15037-2430



