



July 10, 2019

Elizabeth Township
Attention: Mr. Christopher Evans
522 Rock Run Road
Elizabeth, PA 15037

Subject: Municipal Notification
Huntley & Huntley Energy Exploration, LLC
Apollo B Well Pad
Elizabeth Township
Allegheny County, Pennsylvania
CEC Project 164-088

This notice, under the requirements of the 2012 Oil and Gas Act is to inform you that Huntley & Huntley Energy Exploration, LLC is applying for coverage for a Permit to Drill and Operate an Unconventional Well from the Pennsylvania Department of Environmental Protection (DEP) for two (2) modified gas wells.

Applicant Contact: Brian Dillemath
Huntley & Huntley Energy Exploration, LLC
501 Technology Drive, Suite 1200
Canonsburg, PA 15317
Phone: (724) 754-0093

Project Location: The proposed wells (7M and 9M) will be drilled on a proposed well pad that is to be located off Nichols Hill Road in Elizabeth Township, Allegheny County. A copy of the Well Location Plats is enclosed.

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. If you do not submit comments by the end of the comment period, the DEP will assume there are no substantive conflicts and proceed with the normal application review process.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Jesse Doss, E.I.T.
Staff Consultant

Vincent J. Scicchitano, P.E.
Project Manager

Enclosures

L-164088-Drill Permit Municipal Notification-7.2.19/P

RECEIVED
JUL 11 2019

BY:

RECEIVED
JUL 11 2019

BY:

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



WELL LOCATION PLAT

PAGE 1 Surface Location

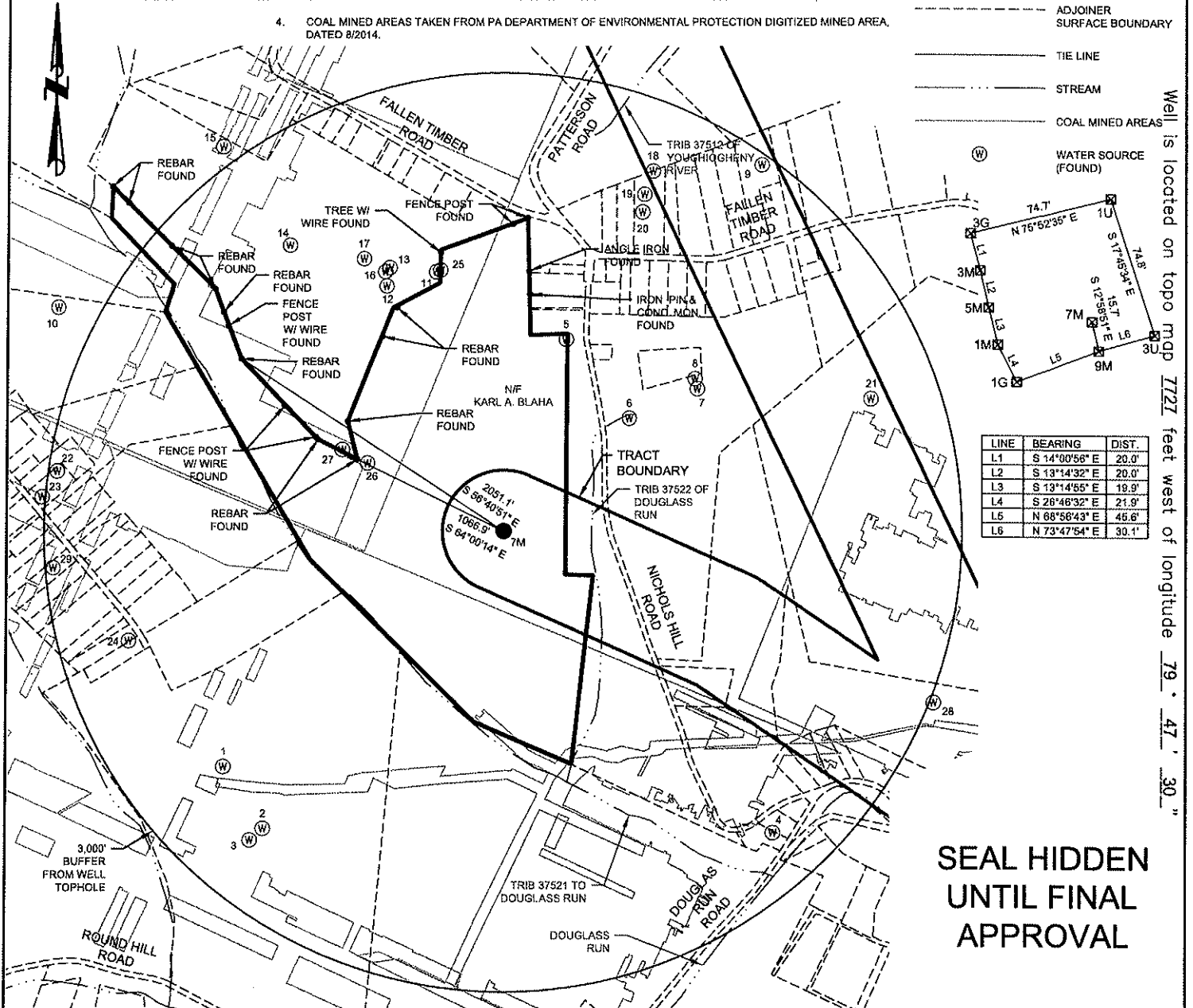
Well is located on topo map 490 feet south of latitude 40° 15' 00"

Denotes location of top of well on topo map.			
True Latitude: NORTH			
40	°	14	' 55 . 17 "
True Longitude: WEST			
79	°	49	' 09 . 62 "

- NOTES:
- THE PURPOSE OF THIS PLAT IS TO PROVIDE THE LOCATION OF PROPOSED GAS WELLS AND DOES NOT REPRESENT A CLOSED BOUNDARY SURVEY. PROPERTY LINES WERE OBTAINED FROM VARIOUS FIELD EVIDENCE, TAX RECORDS, AND AERIAL MAPPING.
 - WATER SOURCE LOCATIONS ARE SUPPLIED BY FAIRWAY LABORATORIES, INC.. TO THE BEST OF THE SURVEYOR'S KNOWLEDGE, THE WELL LOCATION PLAT DEPICTS THE WATER SOURCES WITHIN 3000' OF THE PROPOSED WELL.
 - STREAMS TAKEN FROM PA DEPARTMENT OF ENVIRONMENTAL PROTECTION 305B STREAM DATA, 2008.
 - COAL MINED AREAS TAKEN FROM PA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIGITIZED MINED AREA, DATED 8/2014.

LEGEND

- PROPOSED GAS WELL
- SURFACE TRACT BOUNDARY
- - - ADJOINER SURFACE BOUNDARY
- TIE LINE
- STREAM
- COAL MINED AREAS
- ⊙ WATER SOURCE (FOUND)



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

LINE	BEARING	DIST.
L1	S 14°00'56" E	20.0'
L2	S 13°14'32" E	20.0'
L3	S 13°14'55" E	19.9'
L4	S 26°48'32" E	21.9'
L5	N 68°58'43" E	45.6'
L6	N 73°47'54" E	30.1'

**SEAL HIDDEN
UNTIL FINAL
APPROVAL**

Applicant/Well Operator Name: Huntley & Huntley Energy Exploration, LLC		DEP ID # 331797	Well (Farm) Name: Apollo B		Well #: 7M	Serial #: N/A
Address: 501 Technology Drive, Suite 1200 Canonsburg, PA 15317			County: Allegheny	Municipality: Elizabeth Township	Well Type: Gas	
911 address of well site: 1350 Nichols Hill Road, Elizabeth, PA 15037			USGS 7½' Quadrangle Map Name: Donora	Map Section: 2	Surface Elevation: 1082 ft.	
Surveyor or Engineer: James R. Bruggeman	Phone #: 412-429-2324	Dwg #: 164-088-Well Plat	Date: 6/26/2019	Scale: 1"=1000'	Tract Acreage: 300.6	
Lat. & Long Metadata Method: GPS	Accuracy: 3± ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: 3± ft.	Datum: NAVD 88	Survey Date: 12/1/2016

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 **1-866-255-5258**.

Applicant / Well Operator Name	DEP ID#	Well (Fam) Name	Well #	Serial #
Huntley & Huntley Energy Exploration, LLC	331797	Apollo B	7M	N/A
Surface Landowner / Lessor		Angle & Course of Deviation (Drilling):	Anticipated True Vertical Depth Feet (TVD):	Anticipated Total Measured Depth Feet (TMD):
Karl A Blaha		S 12° 00' 00" E, 9646.0'	8,150	21,159
Target Formation(s):		Deepest Formation to be penetrated:	Number of laterals:	Total footage to be drilled all laterals:
Marcellus		Marcellus	1	21,159
Surface Owner/Water Purveyor w/ Water Supply within 1000'/3000'		Latitude Longitude of Water Supply		
1. Mitchell R Holliday & Mary L Holliday Revocable Living Trust		40.24432	-79.82573	
2. Mitchell R Holliday & Mary L Holliday Revocable Living Trust		40.24323	-79.82477	
3. Mitchell R Holliday & Mary L Holliday Revocable Living Trust		40.24302	-79.82507	
4. Eileen Miscovich		40.24338	-79.81286	
5. Pauline & Theresa D Szczerba		40.25213	-79.818	
6. Pauline & Theresa D Szczerba		40.25074	-79.81647	
7. Pauline & Theresa D Szczerba		40.25130	-79.81487	
8. Pauline & Theresa D Szczerba		40.25148	-79.81493	
9. Marie Powanda		40.25535	-79.81348	
10. John & Shirley R Karlovski		40.25248	-79.8299	
11. Frank L & Dorothy J Szczerba		40.25329	-79.82108	
12. Frank L & Dorothy J Szczerba		40.25301	-79.82223	
13. Frank L & Dorothy J Szczerba		40.25334	-79.82217	
14. Frank L & Dorothy J Szczerba		40.25370	-79.82451	
15. Frank L & Dorothy J Szczerba		40.25544	-79.82613	
16. Frank L & Dorothy J Szczerba		40.25327	-79.82227	
17. Frank L & Dorothy J Szczerba		40.25349	-79.82278	
18. Ralph W Nevin & Linda S Bettelstone		40.25519	-79.81604	
19. Ralph W Nevin & Linda S Bettelstone		40.25477	-79.81623	
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 Borough		South Versailles Township		
Elizabeth Township		Sutersville Borough		
Forward Township		Versailles Borough		
Jefferson Hills Borough		White Oak Borough		
Lincoln Borough		Coal related parties		
McKeesport City		Karl A. Blaha		
North Huntingdon Township		CONSOL Mining Company LLC		
Rostraver Township				
Sewickley Township				

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 **1-866-255-5258**.

Applicant / Well Operator Name	DEP ID#	Well (Farm) Name	Well #	Serial #
Huntley & Huntley Energy Exploration, LLC	331797	Apollo B	7M	N/A
Surface Landowner / Lessor		Angle & Course of Deviation (Drilling):	Anticipated True Vertical Depth Feet (TVD):	Anticipated Total Measured Depth Feet (TMD):
Karl A Blaha		S 12° 00' 00" E, 9646.0'	8,150	21,159
Target Formation(s):		Deepest Formation to be penetrated:	Number of laterals:	Total footage to be drilled all laterals:
Marcellus		Marcellus	1	21,159
Surface Owner/Water Purveyor w/ Water Supply within 1000'/3000'		Latitude Longitude of Water Supply		
20. Ralph W Nevin & Linda S Bettelstone		40.25445	-79.81627	
21. Dale R & Alma A Hoffman		40.25119	-79.8108	
22. Robert C & Nancy Wallace		40.24954	-79.82982	
23. Robert C & Nancy Wallace		40.24907	-79.83015	
24. Jace M & Lori J Younge		40.24653	-79.82802	
25. Karl A. Blaha		40.25332	-79.82098	
26. Karl A. Blaha		40.24982	-79.82257	
27. Karl A. Blaha		40.25005	-79.82317	
28. Terry L Sebben		40.24577	-79.80917	
29. Mark L Stewart		40.24781	-79.82985	
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 Borough		South Versailles Township		
Elizabeth Township		Sutersville Borough		
Forward Township		Versailles Borough		
Jefferson Hills Borough		White Oak Borough		
Lincoln Borough		Coal related parties		
McKeesport City		Karl A. Blaha		
North Huntingdon Township		CONSOL Mining Company LLC		
Rostraver Township				
Sewickley Township				

WELL LOCATION PLAT

PAGE 3 Plan View of Deviated Well Bore

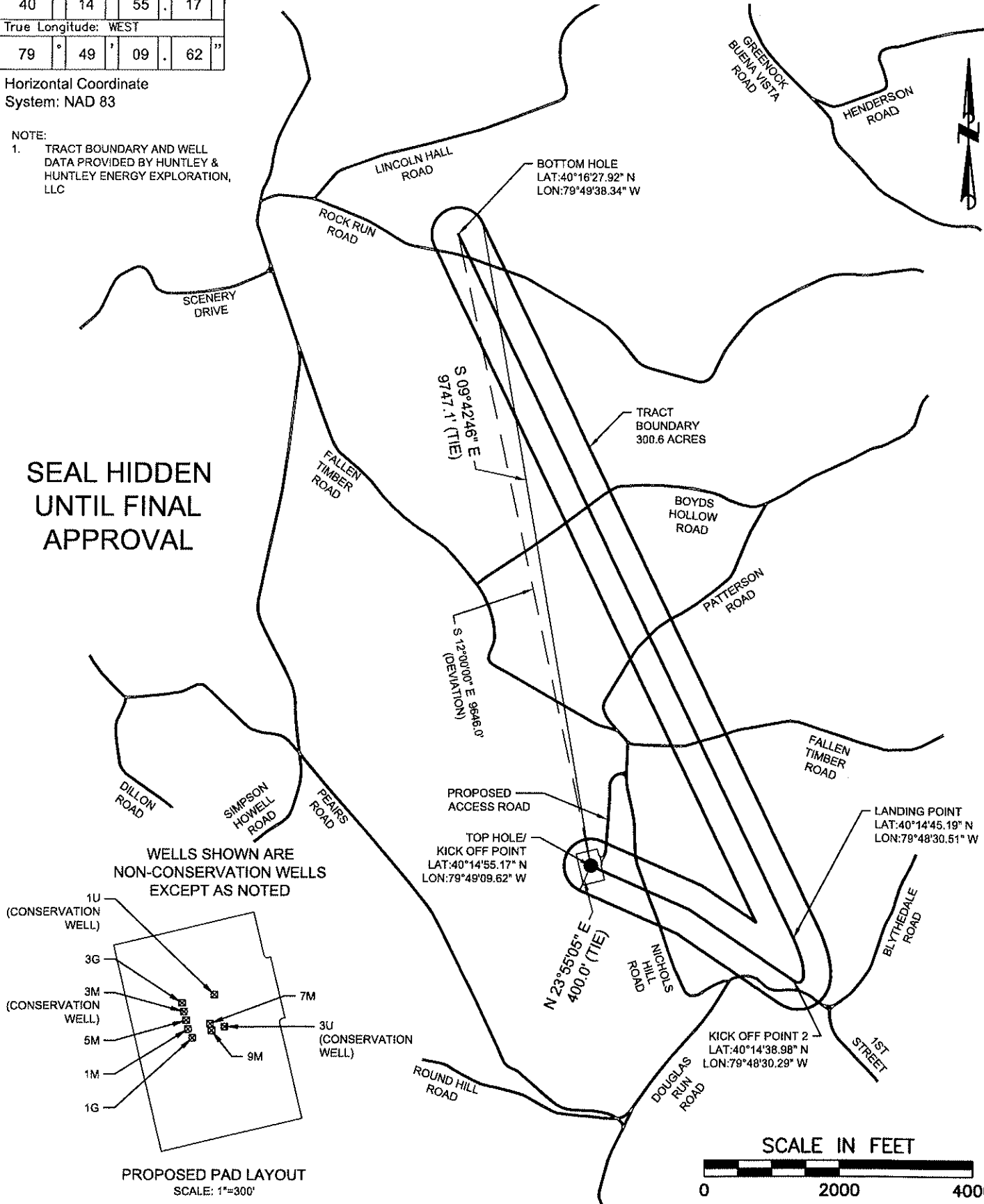
Applicant/Well Operator Name: Huntley & Huntley Energy Exploration, LLC	DEP ID # 331797	Well (Farm) Name: Apollo B	Well #: 7M
--	--------------------	-------------------------------	---------------

True Latitude: NORTH			
40	°	14	'
55	.	17	"
True Longitude: WEST			
79	°	49	'
09	.	62	"

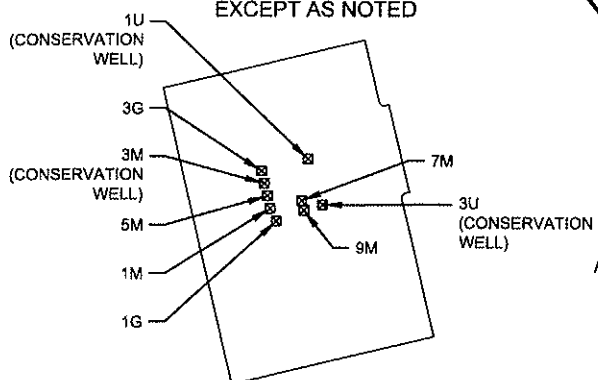
Horizontal Coordinate System: NAD 83

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

**SEAL HIDDEN
UNTIL FINAL
APPROVAL**



WELLS SHOWN ARE NON-CONSERVATION WELLS EXCEPT AS NOTED



WELL LOCATION PLAT

PAGE 4 Cross Section

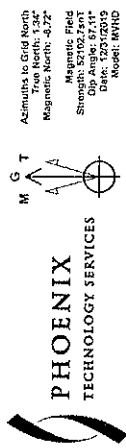
Applicant/Well Operator Name:
Huntley & Huntley Energy Exploration, LLC

DEP ID #
331797

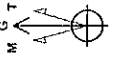
Well (Farm) Name:
Apollo B

Well #:
7M

WELL PLAN



Adjusts to Grid North
True North: 3.2°
Magnetic North: 0.7°
Magnetic Field
Sheep Angle: 67.71°
Decl: 125°20'19"
Model: WY10



Max System: US State Plane 1893
Datum: NAD 83
Elevation: GCS: 1893
Zone Name: Pennsylvania Southern Zone
Units: Feet
Last Origin: West 7M, Grid North
Latitude: 40° 14' 55.1699 N
Longitude: 79° 49' 58.0000 W
Grid East: 1380998.85
Grid North: 340207.31
Scale Factor: 1.000

Geographic Model: NAVD
Datum: 1893
Magnetic Decl: 0.000°
Magnetic Field Strength: 52.102, 6987265-nT
Dip Angle from Horizontal: 67.71°
To convert a Magnetic Direction to a Grid Direction, Subtract 0.72°
To convert a Grid Direction to a True Direction, Subtract 10.07°
To convert a True Direction to a Grid Direction, Add 1.34°

LEGEND

- 3M, OH, SURVEYS VO
- 5M, OH, 64580 Survey (Peterson 343) VO
- 1M, OH, 64589 Survey (Peterson 343) VO
- Plan 2 06-10-19

Project: Allegheny County, PA (NAD83)
Site: Apollo B
Well: 7M
Wellbore: OH
Design: Plan 2 06-10-19
Rig: Patterson 343



808 @ 1167 (Plan Section 343)
1082.00

WELL DETAILS

WAS	EW	WAS	EW	WAS	EW	WAS	EW
0.00	0.00	340207.31	1380998.85	40° 14' 55.1699 N	79° 49' 58.0000 W	1082.00	1082.00

SECTION DETAILS

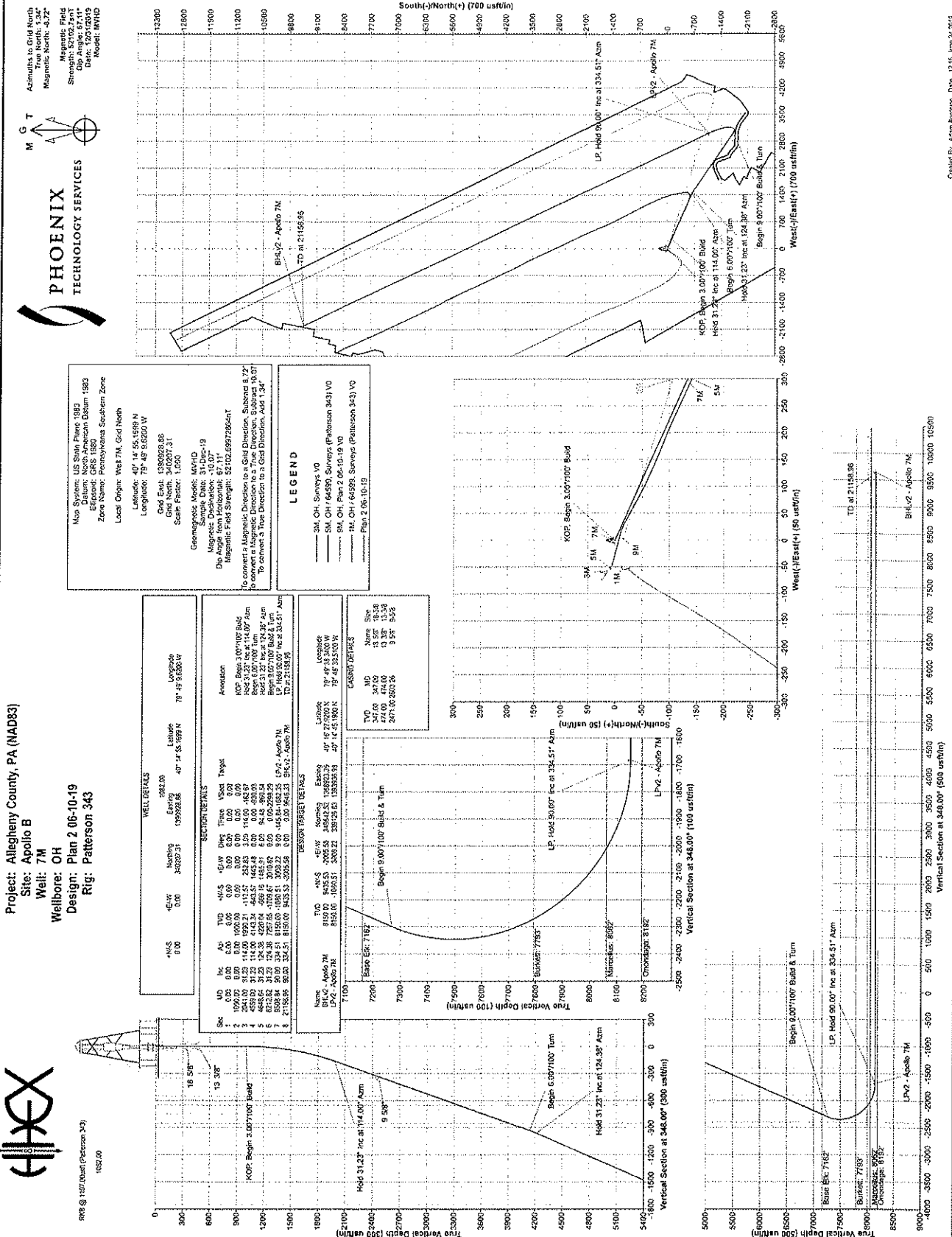
Seq	MD	Inc	AS	TVD	WAS	EW	WAS	EW	WAS	EW	WAS	EW	WAS	EW	WAS	EW	WAS	EW	
1	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	204.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	458.00	31.23	144.00	143.34	443.87	143.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	683.00	31.23	174.00	173.36	371.55	173.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	832.00	31.23	204.00	203.33	301.19	201.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	832.00	31.23	204.00	203.33	301.19	201.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	832.00	31.23	204.00	203.33	301.19	201.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2118.58	90.28	324.51	819.00	943.53	305.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SECTION TARGET DETAILS

Name	WAS	EW	WAS	EW	WAS	EW	WAS	EW
811-C - Apollo 7M	8150.00	9435.53	3055.58	3458.03	40° 18' 27.000 N	79° 47' 43.500 W	1082.00	1082.00
LP-2 - Apollo 7M	8150.00	1095.51	3082.22	3892.98	40° 14' 58.000 N	79° 45' 29.500 W	1082.00	1082.00

CASING DETAILS

WAS	EW	WAS	EW	WAS	EW	WAS	EW
247.00	341.00	33.07	35.38	13.38	13.38	13.38	13.38
474.00	474.00	0.00	0.00	0.00	0.00	0.00	0.00
5471.00	6802.96	1321.96	9.58	9.58	9.58	9.58	9.58



Created By: AZM/Borovic Date: 12/16/2013



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

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

PAGE 1 Surface Location

Denotes location of top of well on topo map.

Well is located on topo map 505 feet south of latitude 40° 15' 00"

True Latitude: NORTH

40	°	14	'	55	"
----	---	----	---	----	---

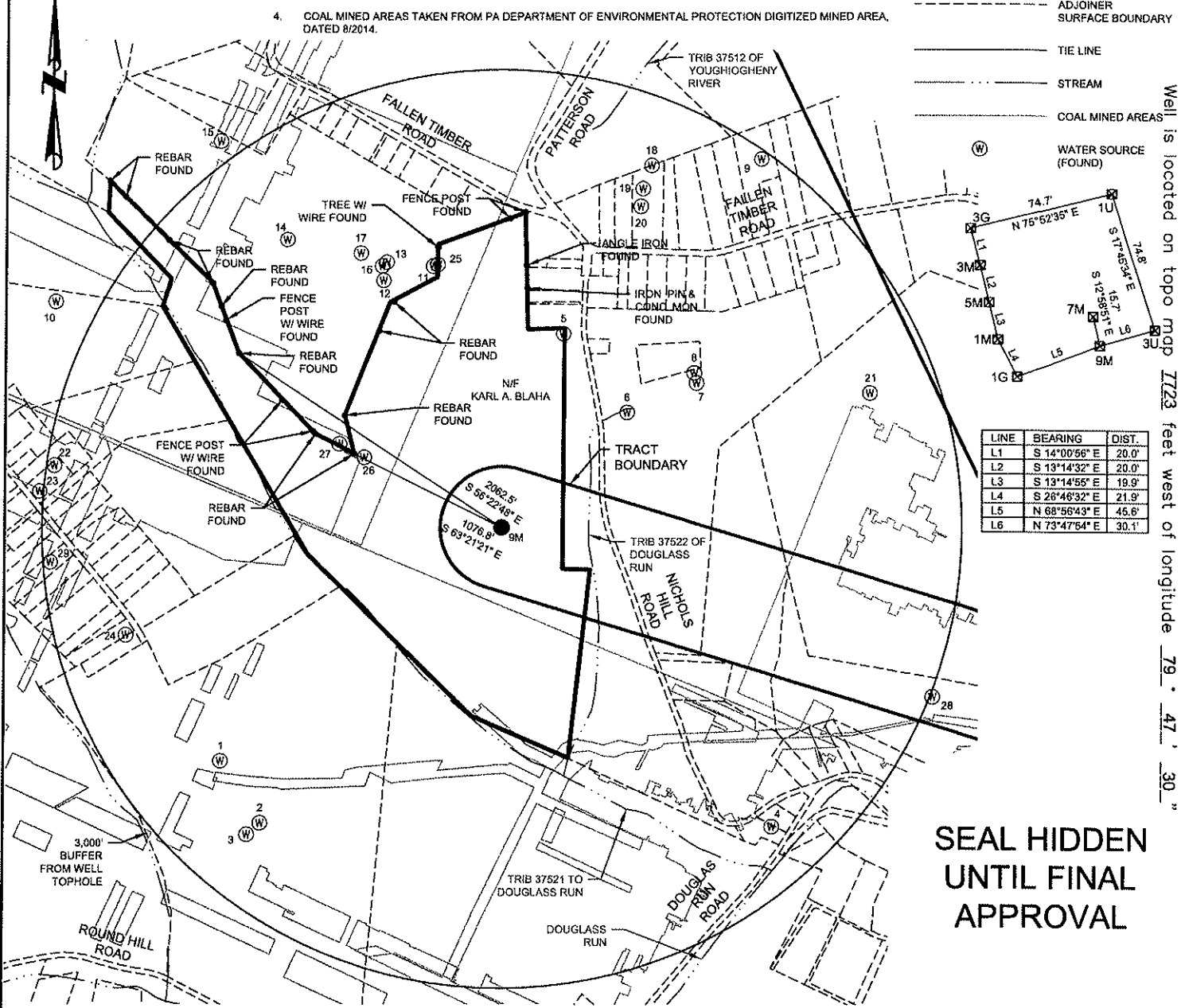
True Longitude: WEST

79	°	49	'	09	"
----	---	----	---	----	---

- NOTES:
1. THE PURPOSE OF THIS PLAT IS TO PROVIDE THE LOCATION OF PROPOSED GAS WELLS AND DOES NOT REPRESENT A CLOSED BOUNDARY SURVEY. PROPERTY LINES WERE OBTAINED FROM VARIOUS FIELD EVIDENCE, TAX RECORDS, AND AERIAL MAPPING.
 2. WATER SOURCE LOCATIONS ARE SUPPLIED BY FAIRWAY LABORATORIES, INC.. TO THE BEST OF THE SURVEYOR'S KNOWLEDGE, THE WELL LOCATION PLAT DEPICTS THE WATER SOURCES WITHIN 3000' OF THE PROPOSED WELL.
 3. STREAMS TAKEN FROM PA DEPARTMENT OF ENVIRONMENTAL PROTECTION 305B STREAM DATA, 2008.
 4. COAL MINED AREAS TAKEN FROM PA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIGITIZED MINED AREA, DATED 8/2014.

LEGEND

- PROPOSED GAS WELL
- SURFACE TRACT BOUNDARY
- - - ADJOINER SURFACE BOUNDARY
- TIE LINE
- STREAM
- COAL MINED AREAS
- ⊙ WATER SOURCE (FOUND)



LINE	BEARING	DIST.
L1	S 14°00'56" E	20.0'
L2	S 13°14'32" E	20.0'
L3	S 13°14'55" E	19.9'
L4	S 28°46'32" E	21.9'
L5	N 68°56'43" E	45.6'
L6	N 73°47'54" E	30.1'

Well is located on topo map 1723 feet west of longitude 79° 47' 30"

**SEAL HIDDEN
UNTIL FINAL
APPROVAL**

Applicant/Well Operator Name: Huntley & Huntley Energy Exploration, LLC		DEP ID # 331797	Well (Farm) Name: Apollo B		Well #: 9M	Serial #: N/A
Address: 501 Technology Drive, Suite 1200 Canonsburg, PA 15317			County: Allegheny	Municipality: Elizabeth Township	Well Type: Gas	
911 address of well site: 1350 Nichols Hill Road, Elizabeth, PA 15037			USGS 7½' Quadrangle Map Name: Donora	Map Section: 2	Surface Elevation: 1082 ft.	
Surveyor or Engineer: James R. Bruggeman	Phone #: 412-429-2324	Dwg #: 164-088-Well Plat	Date: 6/26/2019	Scale: 1"=1000'	Tract Acreage: 369.8	
Lat. & Long Metadata Method: GPS	Accuracy: 3± ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: 3± ft.	Datum: NAVD 88	Survey Date: 12/1/2016

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 **1-866-255-5258**.

Applicant / Well Operator Name	DEP ID#	Well (Farm) Name	Well #	Serial #
Huntley & Huntley Energy Exploration, LLC	331797	Apollo B	9M	N/A
Surface Landowner / Lessor		Angle & Course of Deviation (Drilling):	Anticipated True Vertical Depth Feet (TVD):	Anticipated Total Measured Depth Feet (TMD):
Karl A Blaha		S 10° 32' 00" E, 12973.3'	8,150	24,494
Target Formation(s):		Deepest Formation to be penetrated:	Number of laterals:	Total footage to be drilled all laterals:
Marcellus		Marcellus	1	24,494
Surface Owner/Water Purveyor w/ Water Supply within 1000'/3000'		Latitude Longitude of Water Supply		
1. Mitchell R Holliday & Mary L Holliday Revocable Living Trust		40.24432	-79.82573	
2. Mitchell R Holliday & Mary L Holliday Revocable Living Trust		40.24323	-79.82477	
3. Mitchell R Holliday & Mary L Holliday Revocable Living Trust		40.24302	-79.82507	
4. Eileen Miscovich		40.24338	-79.81286	
5. Pauline & Theresa D Szczerba		40.25213	-79.818	
6. Pauline & Theresa D Szczerba		40.25074	-79.81647	
7. Pauline & Theresa D Szczerba		40.25130	-79.81487	
8. Pauline & Theresa D Szczerba		40.25148	-79.81493	
9. Marie Powanda		40.25535	-79.81348	
10. John & Shirley R Karlovski		40.25248	-79.8299	
11. Frank L & Dorothy J Szczerba		40.25329	-79.82108	
12. Frank L & Dorothy J Szczerba		40.25301	-79.82223	
13. Frank L & Dorothy J Szczerba		40.25334	-79.82217	
14. Frank L & Dorothy J Szczerba		40.25370	-79.82451	
15. Frank L & Dorothy J Szczerba		40.25544	-79.82613	
16. Frank L & Dorothy J Szczerba		40.25327	-79.82227	
17. Frank L & Dorothy J Szczerba		40.25349	-79.82278	
18. Ralph W Nevin & Linda S Bettlestone		40.25519	-79.81604	
19. Ralph W Nevin & Linda S Bettlestone		40.25477	-79.81623	
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 Borough		South Versailles Township		
Elizabeth Township		Sutersville Borough		
Forward Township		Versailles Borough		
Jefferson Hills Borough		White Oak Borough		
Lincoln Borough		Coal related parties		
McKeesport City		Karl A. Blaha		
North Huntingdon Township		CONSOL Mining Company LLC		
Rostraver Township				
Sewickley Township				

WELL LOCATION PLAT

PAGE 3 Plan View of Deviated Well Bore

Applicant/Well Operator Name: Huntley & Huntley Energy Exploration, LLC	DEP ID # 331797	Well (Farm) Name: Apollo B	Well #: 9M
--	--------------------	-------------------------------	---------------

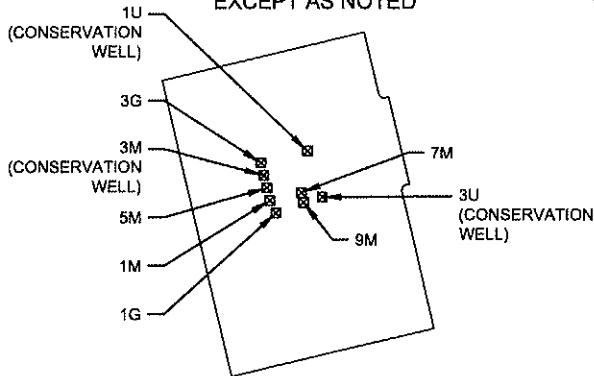
True Latitude: NORTH			
40	°	14	'
55	.	02	"
True Longitude: WEST			
79	°	49	'
09	.	57	"

Horizontal Coordinate System: NAD 83

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

**SEAL HIDDEN
UNTIL FINAL
APPROVAL**

WELLS SHOWN ARE
NON-CONSERVATION WELLS
EXCEPT AS NOTED



PROPOSED PAD LAYOUT
SCALE: 1"=300'

