



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Wednesday, May 22, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit Modification Approval for Carnegie 11H
47-049-02525-00-00

Extended Lateral Length

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926-0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a faint circular stamp.

James A. Martin
Chief

Operator's Well Number: Carnegie 11H
Farm Name: Jeanne A Musgrave Akers & Joseph Forte
U.S. WELL NUMBER: 47-049-02525-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/22/2024

Promoting a healthy environment.

05/24/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: EQT Production Company 306686 Marion Mannington Glover Gap
Operator ID County District Quadrangle

2) Operator's Well Number: 11H Well Pad Name: Carnegie

3) Farm Name/Surface Owner: Jeanne Ann Musgrave Akers & Joseph Forte Public Road Access: CR 7/3

4) Elevation, current ground: 1,318' (built) Elevation, proposed post-construction: 1,318' (built)

5) Well Type (a) Gas Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow Deep _____

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,712', 79', 2,593 psi

8) Proposed Total Vertical Depth: 7,712'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 26,285'

11) Proposed Horizontal Leg Length: 18,111'

12) Approximate Fresh Water Strata Depths: 309', 335', 341', 371', 709'

13) Method to Determine Fresh Water Depths: Offset Wells - 049-30050, 049-00200, 049-30239

14) Approximate Saltwater Depths: 1,852'

15) Approximate Coal Seam Depths: 515'-517', 669'-671', 937'-941', 1,034'-1,041'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No _____

(a) If Yes, provide Mine Info: Name: Harrison County Mine

Depth: 1,034'-1,041'

Seam: Pittsburgh

Owner: Harrison County Coal Resources

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18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A252 GR 3 Bare	85.6	40	40	45 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1091	1091	1040 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2673	2673	1050 ft ³ / CTS
Production	6	New	P-110	24	26285	26285	500' above intermediate casing
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A/H/L	1.04 - 1.20
Production	6	8 1/2	0.400	14580	11664	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

Ky W. White
2/21/24

PACKERS

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Kind:			
Sizes:			
Depths Set:			

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

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21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 60.28 (built) MAY 02 2024

22) Area to be disturbed for well pad only, less access road (acres): 8.96 (built) WV Department of Environmental Protection

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers – One centralizer at the shoe and one spaced every 500’.
- Intermediate: Bow spring centralizers– One centralizer at the shoe and one spaced every 500’.
- Production: One solid body centralizer spaced every other joint from production casing shoe to landing point. One solid body centralizer spaced every joint from landing point to planned top of cement.

24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives
Surface: Calcium Chloride. Used to speed the setting of cement slurries
Intermediate: Calcium Chloride. Used to speed the setting of cement slurries. Gas Migration Control Additive, Cement Retarder.
Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder, Anti-Settling/Suspension Agent

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

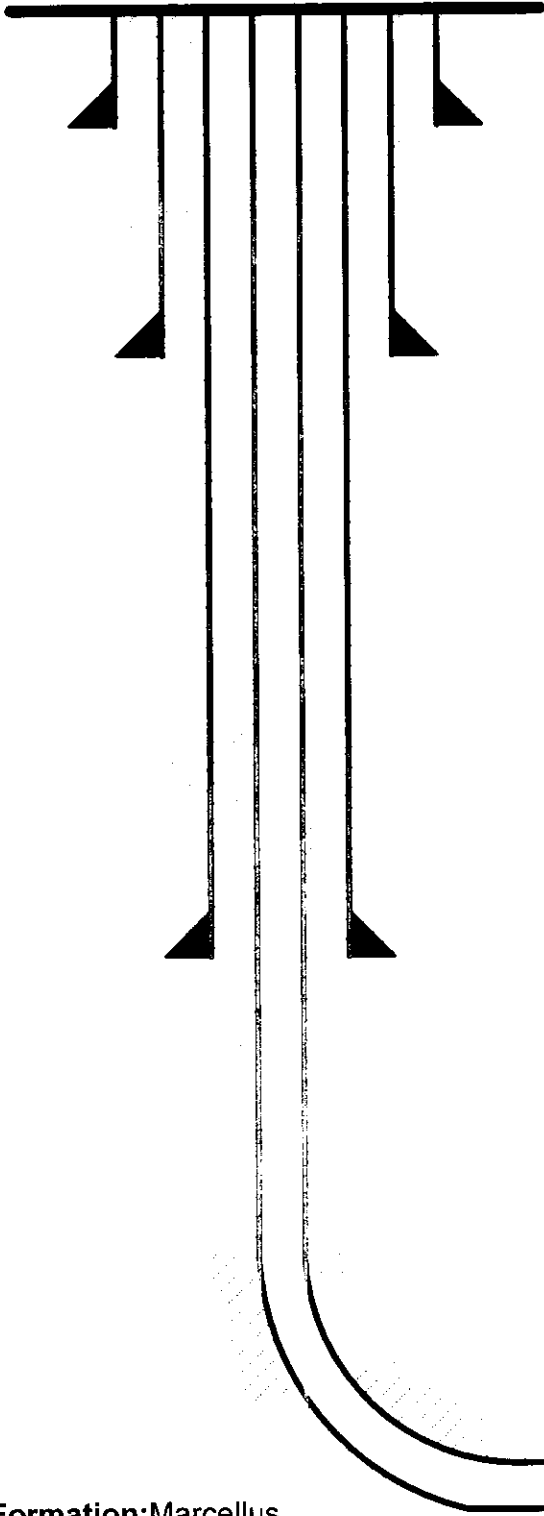
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Carnegie 11H
Pad: Carnegie
Elevation: 1318' GL 1331' KB

County: Marion
State: West Virginia



Conductor @ 40'

26", 85.6#, A252 GR3 Bare, cement to surface w/ Class A/L

Surface @ 1,091'

13-3/8", 54.5#, J-55, cement to surface w/ Class A/L

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Intermediate @ 2,673'

9-5/8", 36#, J-55, cement to surface w/ Class A/H/L

Production @ 26,285' MD / 7,712' TVD

6", 24#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L

Formation: Marcellus

05/24/2024 SCALE

EQT Production
Hydraulic Fracturing Monitoring Plan
Pad ID: Carnegie
County: Marion

April 9, 2024

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Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Marion County, WV prior to hydraulic fracturing at the following EQT wells on the Carnegie pad: 1H, 3H, 5H, 7H, 9H, 11H, 13H, 15H, 17H and 19H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves or other necessary equipment for wellhead integrity capable of a pressure recommended by EQT
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

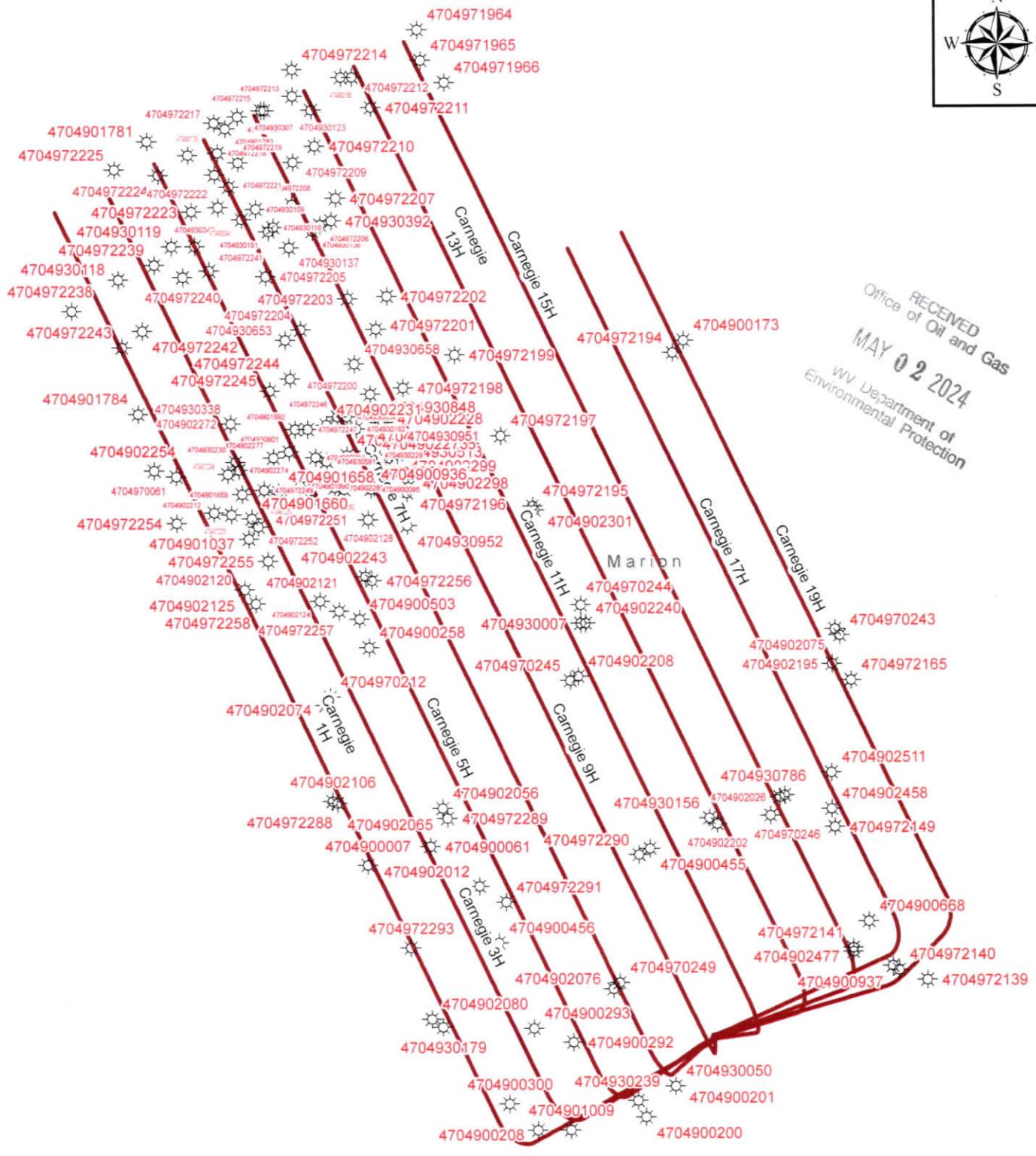
2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

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Wetzel
EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

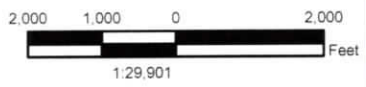
Carnegie North
Vertical Offsets and
Foreign Laterals
within 500 Feet

Legend

Well Lateral_FM
Formation

- Genesee
- Marcellus
- Utica
- Carnegie_Offset_Wells

Disclaimer:
This map is confidential and is to be used only for the express informational purposes for which it was created. Unauthorized use, copying, or dissemination is strictly prohibited. EQT does not warrant the accuracy of the location of any items shown on this map, including, but not limited to, any structures, well or pipeline facilities, property boundaries, topography, roadways, or waterways. The items shown on the map may not have been placed on the map using survey lines or GPS coordinates. The specific location of any of the map items should be determined by a field survey performed by a licensed surveyor upon consultation with EQT.



05/24/2024

API UWI 12	ENVOperato	ENVWellSta	ENVWellTyp	InRstOpe	Latitude	Longitude	Elevat ionG	Elevatio nK	MD_FT	TVD_FT	WellName	WellSymbol
47-049-00063-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0	KUHN, Z. J. 1	OTHER-P & A
47-049-00249-00	NEELY, D	UNREPORTED	OTHER	NEELY, D	39.551064	-80.457728	1063	1073	0	0	TALKINGTON/TOOTHMAN HEIRS 1	OTHER-UNREPORTED
47-049-00289-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	PRUNTY, FLOYD O. 2	OTHER-UNREPORTED
47-049-30136-00	SOUTH PENN OIL (S. PENN NAT. GAS)	COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.563841	-80.461327	1067	0	0	2260	J A HAWKENBERRY	OIL-COMPLETED
47-049-72217-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	UNREPORTE D	SOUTH PENN OIL (S PENN NAT GAS)	39.569193	-80.467508	1325	0	0	0	JOHN HESS	UNREPORTED-UNREPORTED
47-049-72220-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.566581	-80.467509	1218	0	0	0	JOHN A HESS	UNREPORTED-UNREPORTED
47-049-00718-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	FREELAND, E. J. 1	OTHER-P & A
47-049-30952-00	BISSETT, A. & M.	UNREPORTED	UNREPORTE D	BISSETT, A. & M.	39.54934	-80.455435	1029	0	0	0	JOSEPH HAYHURST	UNREPORTED-UNREPORTED
47-049-71965-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.572242	-80.454317	1094	0	0	0	JAMES CAMPBELL	UNREPORTED-UNREPORTED
47-049-00037-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0	METZ, RUTH/THOMAS, J. O. 2	OTHER-P & A
47-049-02240-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.544431	-80.444117	1018	1027	0	0	GLOVER, CHARLES P. 5335	OTHER-P & A
47-049-02254-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552127	-80.471501	1184	1193	0	0	SNODGRASS, THOMAS LEE 5461	OTHER-P & A
47-049-02106-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.53576	-80.4603	1285	1294	0	0	GRIMM, ROBERT D. 5446	OTHER-P & A
47-049-00723-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	HUEY, M. W. 4	OTHER-P & A
47-049-72256-00	BP	UNREPORTED	UNREPORTE D	BP	39.546552	-80.45769	1305	0	0	0	JOSEPH T HAYHURST	UNREPORTED-UNREPORTED
47-049-72149-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.534349	-80.428278	1318	0	0	0	S C THORNE	UNREPORTED-UNREPORTED
47-049-02212-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.550011	-80.467734	1190	1199	0	0	ALLEGHENY FORESTLAND, LLC 5459	OTHER-P & A
47-049-01009-00	EQUITRANS MIDSTREAM	P & A	GAS	CONSOLIDATION COAL COMPANY	39.519544	-80.445327	1203	1212	3220	3220	CONSOLIDATION COAL CO. R-330	GAS-P & A
47-049-00503-00	NATIONAL FUEL GAS	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.544665	-80.458518	1407	1416	0	0	GRIM, SHARON A. OR ROBER D. 5452	OTHER-P & A
47-049-00697-00	MID-EASTERN OIL & GAS CO.	PRODUCING	GAS	MID-EASTERN OIL & GAS CO.	39.551064	-80.457728	1063	1073	0	0	KEON, O. N. & F. V. 1	GAS-PRODUCING
47-049-00304-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	CAMPBELL, ROBERT 1	OTHER-P & A
47-049-00815-00	INVITATION ENERGY INC	P & A	OTHER	BUCKEYE OIL PRODUCING	39.551064	-80.457728	1063	1073	0	0	HUEY 8	OTHER-P & A
47-049-00973-00	HOWARD, LORNA AGENT	PRODUCING	GAS	HOWARD LORNA AGENT	39.551064	-80.457728	1063	1073	0	0	FINCH, RUSSELL R. 3	GAS-PRODUCING
47-049-72195-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.55018	-80.447387	1096	0	0	0	ALYCE DEVORE	UNREPORTED-UNREPORTED
47-049-00751-00	GREYLOCK ENERGY	UNREPORTED	OTHER	ENERGY CORP	39.551064	-80.457728	1063	1073	0	0	TATTERSON, R. MICHAEL 544	OTHER-UNREPORTED
47-049-01992-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.55412	-80.462538	1258	1267	0	0	SNODGRASS, THOMAS LEE 5336	OTHER-P & A
47-049-02286-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551173	-80.459985	1188	1197	0	0	LUCAS, WILLIAM C. & VICKIE E. 5346	OTHER-P & A
47-049-00831-00	ARIES PETROLEUM CORP.	P & A	GAS	CRESTON OIL	39.551064	-80.457728	1063	1073	0	0	SATTERFIELD, J. T. 1	GAS-P & A
47-049-00438-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1072	2569	2569	RIGGS 2396	GAS-PRODUCING
47-049-00208-00	EQUITRANS MIDSTREAM	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.519451	-80.447393	1239	1248	0	0	CONSOLIDATION COAL CO. R-436	OTHER-P & A
47-049-02056-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.535366	-80.453345	1412	1422	0	0	SPONAUGLE, EARNEST 5333	OTHER-P & A
47-049-00722-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	HUEY, M. W. 2	OTHER-P & A
47-049-00773-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DOMINION ENERGY TRANSMISSION, INC.	39.551064	-80.457728	1063	1073	0	0	HAMILTON & HARDESTY 2038	GAS-PRODUCING
47-049-00813-00	PILLAR ENERGY	P & A	OTHER	BUCKEYE OIL PRODUCING	39.551064	-80.457728	1063	1073	0	0	RICE, EUGENE 1	OTHER-P & A
47-049-00629-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	CUNNINGHAM, A. 71	GAS-PRODUCING
47-049-72165-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.54146	-80.427154	1065	0	0	0	PETER METZ	UNREPORTED-UNREPORTED
47-049-30653-00	INTERSTATE PIPE & SUPPLY	COMPLETED	OIL & GAS	INTERSTATE PIPE & SUPPLY	39.558475	-80.463121	1101	0	0	2262	G M ICE 1	OIL & GAS-INACTIVE COMPLETED

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47-049-00060-00	CARNEGIE PROD CO	UNREPORTED	OTHER	CARNEGIE PRODUCTION	39.551064	-80.457728	1063	1073	0	0	KEENAN, MARTHA E. 3-1496	OTHER-UNREPORTED
47-049-00612-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	YOST, SUSAN 15	GAS-PRODUCING
47-049-00679-00	PILLAR ENERGY	P & A	GAS	BUCKEYE OIL PRODUCING	39.551064	-80.457728	1063	1073	3415	3415	ASH 1	GAS-P & A
47-049-00910-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1072	0	0	RICE 2	OTHER-P & A
47-049-30513-00	(N/A)	INACTIVE COMPLETED	OIL	(N/A)	39.552224	-80.456748	1198	0	0	0	2193 2	OIL-INACTIVE COMPLETED
47-049-30601-00	RAAD SUPPLY COMPANY	COMPLETED	OIL	RAAD SUPPLY COMPANY	39.552965	-80.462293	1108	0	0	0	2131 E S EVANS 6	OIL-COMPLETED
47-049-70246-00	BEATY ET AL	UNREPORTED	UNREPORTE D	BEATY ET AL	39.534935	-80.432394	1108	0	0	0	FRED BEATY	UNREPORTED-UNREPORTED
47-049-00716-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	FLUHARTY, CONRAD 3	OTHER-P & A
47-049-72246-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.55468	-80.459829	1246	0	0	0	ENOCH EVANS	UNREPORTED-UNREPORTED
47-049-71964-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.573692	-80.454505	1166	0	0	0	JAMES CAMPBELL	UNREPORTED-UNREPORTED
47-049-02080-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.524988	-80.454135	1100	1109	3049	3049	BARRON, MARK A 5326	OTHER-P & A
47-049-30118-00	HOPE CONSTRUCTION & REFINING	UNREPORTED	OIL	HOPE CONSTRUCTION & REFINING	39.561521	-80.473692	1144	0	2331	0	J W KENDALL	OIL-UNREPORTED
47-049-30592-00	TRI-STATE PIPE COMPANY, THE	COMPLETED	GAS	TRI-STATE PIPE COMPANY, THE	39.55108	-80.45937	1187	0	0	0	3215 JOSEPH HAYHURST 12	GAS-COMPLETED
47-049-72214-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.571806	-80.462451	1199	0	0	0	BENJAMIN PARRISH	UNREPORTED-UNREPORTED
47-049-00688-00	OCCIDENTAL	UNREPORTED	OTHER	OCCIDENTAL PETR	39.551064	-80.457728	1063	1073	0	0	JOLLIFF 1	OTHER-UNREPORTED
47-049-00939-00	ARIES PETROLEUM CORP.	P & A	GAS	CRESTON OIL	39.551064	-80.457728	1063	1073	0	0	GLOVER 2	GAS-P & A
47-049-30239-00	BP	INACTIVE COMPLETED	GAS	BP	39.520918	-80.441004	1156	0	0	0	3074 JOHN S MUSGRAVE	GAS-INACTIVE COMPLETED
47-049-00426-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	MOORE, SARAH E. 415	OTHER-P & A
47-049-00550-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	LUCAS, J. E. 2	OTHER-P & A
47-049-72141-00	BP	UNREPORTED	UNREPORTE D	BP	39.528337	-80.427152	998	0	0	0	P G WEST	UNREPORTED-UNREPORTED
47-049-00702-00	FOX DRLG CO	UNREPORTED	OTHER	FOX DRLG	39.551064	-80.457728	1063	1073	0	0	THORNE, JAMES P., ETUX 1	OTHER-UNREPORTED
47-049-72208-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.56513	-80.462639	1089	0	0	0	CAMPBELL & FLEMING	UNREPORTED-UNREPORTED
47-049-72210-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.568032	-80.461139	1378	0	0	0	JAMES CAMPBELL	UNREPORTED-UNREPORTED
47-049-00536-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	HUEY, GEORGE A. 2	OTHER-P & A
47-049-30156-00	CARNEGIE NATURAL GAS CO	INACTIVE COMPLETED	GAS	CARNEGIE NATURAL GAS	39.53479	-80.436326	1095	0	0	0	2949 H F BLACKSHERE 1	GAS-INACTIVE COMPLETED
47-049-00423-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	KEENAN, M. E. 1437	OTHER-P & A
47-049-02294-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552738	-80.461207	1066	1075	0	0	LUCAS, WILLIAM C & VICKIE E. 5355	OTHER-P & A
47-049-72225-00	BP	UNREPORTED	UNREPORTE D	BP	39.566872	-80.473878	1396	0	0	0	JOHN W KENDALL	UNREPORTED-UNREPORTED
47-049-72290-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.533042	-80.44083	1110	0	0	0	JOB ARNDT	UNREPORTED-UNREPORTED
47-049-72140-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.527236	-80.424345	1257	0	0	0	P G WEST	UNREPORTED-UNREPORTED
47-049-72258-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.545536	-80.465074	1311	0	0	0	S. F. NETT	UNREPORTED-UNREPORTED
47-049-00701-00	FOX DRLG CO	UNREPORTED	OTHER	FOX DRLG	39.551064	-80.457728	1063	1073	0	0	SMITH, BRENDAN 1	OTHER-UNREPORTED
47-049-00774-00	DIVERSIFIED ENERGY	P & A	GAS	DOMINION ENERGY TRANSMISSION, INC.	39.551064	-80.457728	1063	1072	2939	2939	FETTY, V. 3170	GAS-P & A
47-049-71966-00	BP	UNREPORTED	UNREPORTE D	BP	39.57108	-80.452819	1104	0	0	0	JAMES CAMPBELL	UNREPORTED-UNREPORTED
47-049-00668-00	EQUITRANS MIDSTREAM	P & A	GAS	CONSOLIDATION COAL COMPANY	39.529603	-80.426223	998	1007	2826	2826	MICHEALS, JEFFREY .. ET AL R-273 (1)	GAS-P & A
47-049-01659-00	CONSOL	P & A	OTHER	MOUNTAIN ENERGY	39.550939	-80.4659	1145	1154	0	0	ALLEGHENY FORESTLAND, LLC 5458	OTHER-P & A
47-049-00938-00	ARIES PETROLEUM CORP.	P & A	GAS	CRESTON OIL	39.551064	-80.457728	1063	1073	0	0	GLOVER 1	GAS-P & A
47-049-00285-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	C. W. BRANNON HEIRS A-288	OTHER-UNREPORTED

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47-049-30786-00	RAAD SUPPLY COMPANY	UNREPORTED	OIL & GAS	RAAD SUPPLY COMPANY	39.535945	-80.431463	1123	0	2813	0	J F BEATTY 1	OIL & GAS-UNREPORTED
47-049-00270-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	HARBERT, R. A. A-270	OTHER-UNREPORTED
47-049-00651-00	DORAN & ASSOC INC	UNREPORTED	OTHER	DORAN&ASSOCIATES	39.551064	-80.457728	1063	1073	0	0	NEWBROUGH, LOWELL & LINDA 1-K-L-124	OTHER-UNREPORTED
47-049-00391-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	FLEMING, W. C. 1	OTHER-P & A
47-049-00515-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	EVANS, E. S. 5	OTHER-P & A
47-049-00900-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1072	0	0	HUEY, JOHN - HEIRS 3	OTHER-P & A
47-049-30338-00	HOPE CONSTRUCTION & REFINING	P & A INACTIVE COMPLETED	OTHER OIL	HOPE CONSTRUCTION & REFINING	39.554415	-80.466572	1243	0	0	2268	3	OIL-INACTIVE COMPLETED
47-049-30658-00	BP	INACTIVE COMPLETED	GAS	BP	39.557315	-80.458704	1036	0	0	3081	E S EVANS	GAS-INACTIVE COMPLETED
47-049-00507-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	CUNNINGHAM, J. 6	OTHER-P & A
47-049-72197-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.553663	-80.449447	1239	0	0	0	ALYCE DEVORE	UNREPORTED-UNREPORTED
47-049-00660-00	ANTCO	UNREPORTED	OTHER	ANTCO	39.551064	-80.457728	1063	1073	0	0	ANTULOV, JOHN & PETE 1	OTHER-UNREPORTED
47-049-00279-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	CONSOLIDATION COAL CO. A-277	OTHER-UNREPORTED
47-049-02202-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.534497	-80.435771	1082	1091	0	0	CONSOLIDATION COAL COMPANY 5234	OTHER-P & A
47-049-02272-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.554367	-80.46663	1250	1259	0	0	SNODGRASS, THOMAS LEE 5462	OTHER-P & A
47-049-00907-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1073	0	0	SUTTON, ESTHER 1	OTHER-P & A
47-049-72205-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.561646	-80.464325	1116	0	0	0	GEORGE M ICE	UNREPORTED-UNREPORTED
47-049-72251-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.550616	-80.461515	1276	0	0	0	JOSEPH T HAYHURST	UNREPORTED-UNREPORTED
47-049-00106-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	CARTRIGHT, BESSIE, ET AL 1	OTHER-UNREPORTED
47-049-00065-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0	RICHARDSON, W. P., ET AL 1	OTHER-P & A
47-049-02511-00	(N/A)	P & A	GAS UNREPORTE D	(N/A)	39.536966	-80.42849	1272	1282	0	0	J.T. SATTERFIELD 70210 # 2	GAS-P & A
47-049-72257-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.545101	-80.459829	1293	0	0	0	S R ARNETT	UNREPORTED-UNREPORTED
47-049-02263-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.553234	-80.457548	1027	1036	0	0	LUCAS, WILLIAM C. & VICKIE E. 5348	OTHER-P & A
47-049-00292-00	EQUITRANS MIDSTREAM	P & A	OIL	CONSOLIDATION COAL COMPANY	39.523753	-80.44514	1066	1075	2228	2228	DUNCAN, ERIC O. 5324	OIL-P & A
47-049-00436-00	EQUITRANS MIDSTREAM	P & A INACTIVE COMPLETED	GAS	EQUITRANS MIDSTREAM	39.551064	-80.457728	1063	1072	2514	2514	RICHARDSON, E. F. 2379	GAS-INACTIVE COMPLETED
47-049-72198-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.556131	-80.455629	1279	0	0	0	G W TOOTHMAN	UNREPORTED-UNREPORTED
47-049-00286-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	TOOTHMAN, AMOS E. A-289	OTHER-UNREPORTED
47-049-02228-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.554358	-80.456911	1046	1055	0	0	MINGER, HAROLD G. & ALMA A. 5349	OTHER-P & A
47-049-70245-00	KOEN & BEATY	UNREPORTED	UNREPORTE D	KOEN & BEATY	39.541606	-80.445131	1027	0	0	0	A F HAMILTON	UNREPORTED-UNREPORTED
47-049-72218-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.567742	-80.467322	1135	0	0	0	JOHN HESS	UNREPORTED-UNREPORTED
47-049-01758-00	PERKINS OIL & GAS, INC.	PRODUCING	GAS	PERKINS OIL & GAS	39.567598	-80.469195	1172	1181	3449	3449	HIBBS 1	GAS-PRODUCING
47-049-72240-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.561647	-80.46957	1359	0	0	0	FRANK SNIDER	UNREPORTED-UNREPORTED
47-049-72209-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.567162	-80.462451	1251	0	0	0	BENJAMIN PARRISH	UNREPORTED-UNREPORTED
47-049-00255-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	MILLER, WILLIAM J. 1	OTHER-UNREPORTED
47-049-00812-00	INVITATION ENERGY INC	P & A	OTHER	BUCKEYE OIL PRODUCING	39.551064	-80.457728	1063	1073	0	0	HUEY 4	OTHER-P & A
47-049-00428-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	HIBBS, ELMER 1403	GAS-PRODUCING
47-049-00621-00	DIVERSIFIED ENERGY	P & A	OIL	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1148	1157	3072	3072	BROOKOVER, M. E. 1	OIL-P & A
47-049-72254-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.549455	-80.470133	1214	0	0	0	EMERSON HAUGHT	UNREPORTED-UNREPORTED
47-049-02299-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552785	-80.45598	1188	1197	0	0	PARRISH, WILLIAM H. 5339	OTHER-P & A

47-049-02128-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39 549617	-80.457943	1060	1069	0	0 HAMILTON, PRISCILLA 2886	OTHER-P & A
47-049-00516-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0 EVANS, E. S. 6	OTHER-P & A
47-049-01990-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551283	-80.462219	1156	1165	0	0 LUCAS, WILLIAM C. & VICKIE E. 5347	OTHER-P & A
47-049-30340-00	SOUTH PENN OIL (S. PENN NAT. GAS)	INACTIVE COMPLETED	OIL & GAS UNREPORTE D	SOUTH PENN OIL (S PENN NAT GAS)	39.563116	-80.468821	1468	0	0	2647 GEO M ICE 6	OIL & GAS-INACTIVE COMPLETED
47-049-72238-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.56005	-80.476689	1177	0	0	0 GEORGE W STARKEY	UNREPORTED-UNREPORTED
47-049-00510-00	CONSOLIDATION COAL COMPANY	P & A	WATER UNREPORTE D	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	3368	3368 CUNNINGHAM, W. N. 8	WATER-P & A
47-049-72249-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.551052	-80.464513	1156	0	0	0 EMERSON HAUGHT	UNREPORTED-UNREPORTED
47-049-70244-00	WHEELING NATURAL GAS CO., THE	UNREPORTED	UNREPORTE D	WHEELING NATURAL GAS CO., THE	39.54528	-80.444383	1020	0	0	0 JOSEPH MCGILL	UNREPORTED-UNREPORTED
47-049-00041-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0 KIMBALL, S. E. 1	OTHER-UNREPORTED
47-049-00114-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0 MOORE, EMMA 1	OTHER-P & A
47-049-00906-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1073	0	0 BURNS, MARY 2	OTHER-P & A
47-049-02277-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552705	-80.463896	1117	1126	0	0 SNODGRASS, THOMAS LEE 5357	OTHER-P & A
47-049-02243-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.546804	-80.458122	1264	1273	0	0 HAMILTON, RONALD A. & PRISCILLA A. 5344	OTHER-P & A
47-049-00726-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0 STURMS, N. W. 3	OTHER-P & A
47-049-02274-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552121	-80.466123	1127	1136	0	0 SNODGRASS, THOMAS LEE 5460	OTHER-P & A
47-049-00545-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0 KENNEDY, M. 6	GAS-PRODUCING
47-049-00383-00	DIVERSIFIED ENERGY	P & A	OTHER UNREPORTE D	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1072	0	0 LUCAS, J. 1000 3362	OTHER-P & A
47-049-70061-00	HARTMAN OIL	UNREPORTED	UNREPORTE D	HARTMAN	39.551805	-80.470131	1136	0	0	0 RACHEL EVANS	UNREPORTED-UNREPORTED
47-049-00738-00	SCOTT, JAMES F.	P & A	OTHER UNREPORTE D	SCOTT JAMES R	39.551064	-80.457728	1063	1073	0	0 CANFIELD, CECIL V. S-415	OTHER-P & A
47-049-72215-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.569774	-80.464511	1091	0	0	0 CAMPBELL & FLEMING	UNREPORTED-UNREPORTED
47-049-72199-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.557728	-80.452257	1481	0	0	0 JUDSON METZ	UNREPORTED-UNREPORTED
47-049-00467-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0 AMOS, P. B. 3	OTHER-P & A
47-049-00937-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.527378	-80.424659	1217	1227	0	0 THORNE 2	OTHER-P & A
47-049-30654-00	INTERSTATE PIPE & SUPPLY	INACTIVE COMPLETED	OIL	INTERSTATE PIPE & SUPPLY	39.554705	-80.459185	1213	0	0	2222 JOSEPH HAYHURST 8	OIL-INACTIVE COMPLETED
47-049-00703-00	FOX DRLG CO	UNREPORTED	OTHER	FOX DRLG	39.551064	-80.457728	1063	1073	0	0 GOOCH, MELVIN 2	OTHER-UNREPORTED
47-049-00908-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1073	0	0 YOST, L. N. 1	OTHER-P & A
47-049-00266-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0 PARRISH, J. F. 261	OTHER-UNREPORTED
47-049-00278-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0 CONSOLIDATION COAL CO. A-26	OTHER-UNREPORTED
47-049-00478-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0 BLACKSHERE, B. F. 10	OTHER-P & A
47-049-00832-00	ARIES PETROLEUM CORP.	P & A	GAS	CRESTON OIL	39.551064	-80.457728	1063	1073	0	0 SATTERFIELD, J. T. 2	GAS-P & A
47-049-30191-00	SOUTH PENN OIL (S. PENN NAT. GAS)	INACTIVE COMPLETED	OIL & GAS	SOUTH PENN OIL (S PENN NAT GAS)	39.563841	-80.464061	1250	0	0	2440 GEORGE M ICE 2	OIL & GAS-INACTIVE COMPLETED
47-049-02208-00	CONSOLIDATION COAL COMPANY	P & A	OTHER UNREPORTE D	CONSOLIDATION COAL COMPANY	39.541847	-80.444579	1009	1018	0	0 CONSOLIDATION COAL COMPANY 5334	OTHER-P & A
47-049-72245-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.555986	-80.464138	1270	0	0	0 RACHAEL EVANS	UNREPORTED-UNREPORTED
47-049-00456-00	EQUITRANS MIDSTREAM	P & A	GAS	CONSOLIDATION COAL COMPANY	39.528688	-80.449824	1289	1298	0	0 BERDINE, DORIS THORNE 5328	GAS-P & A
47-049-00912-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1073	0	0 TOOTHMAN 2	OTHER-P & A
47-049-00443-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1072	2935	2935 MARTIN 5017	GAS-PRODUCING
47-049-30137-00	SOUTH PENN OIL (S. PENN NAT. GAS)	COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.562971	-80.462826	1265	0	0	2462 J A HAWKENBERRY	OIL-COMPLETED
47-049-00814-00	INVITATION ENERGY INC	P & A	OTHER	BUCKEYE OIL PRODUCING	39.551064	-80.457728	1063	1073	0	0 HUEY 5	OTHER-P & A

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47-049-00913-00	NATIONAL FUEL GAS	UNREPORTED	OTHER	EAST RESOURCES	39 551064	-80.457728	1063	1073	0	0	TENNANT, R. D. 5	OTHER-UNREPORTED
47-049-30179-00	CARNEGIE NATURAL GAS CO	UNREPORTED	UNREPORTE D	CARNEGIE NATURAL GAS	39 524624	-80.453383	1109	0	3049	0	PERRY ARNETT 1	UNREPORTED-UNREPORTED
47-049-72252-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 54931	-80.464887	1394	0	0	0	EMERSON HAUGHT	UNREPORTED-UNREPORTED
47-049-72255-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 547568	-80.464325	1334	0	0	0	JOSEPH T HAYHURST	UNREPORTED-UNREPORTED
47-049-01037-00	CONSOL	P & A	OTHER	CONSOLIDATION COAL COMPANY	39 548658	-80.465487	1393	1402	0	0	LUCAS, WILLIAM C. & VICKIE E. 5090	OTHER-P & A
47-049-00940-00	ARIES PETROLEUM CORP.	P & A	GAS	CRESTON OIL	39 551064	-80.457728	1063	1073	0	0	GLOVER 3	GAS-P & A
47-049-30848-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	UNREPORTE D	SOUTH PENN OIL (S PENN NAT GAS)	39 554415	-80.457124	1051	0	0	0	E S EVANS	UNREPORTED-UNREPORTED
47-049-00872-00	COBHAM GAS INDUSTRIES, INC.	P & A	OTHER	COBHAM GAS INDUSTRIES	39 551064	-80.457728	1063	1073	0	0	AMMONS, B. A. 1	OTHER-P & A
47-049-02195-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39 542321	-80.428381	1139	1148	0	0	MICHAEL, JEFFREY & RONALD C. 5240	OTHER-P & A
47-049-00601-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1073	0	0	YOST, JAMES 5	GAS-PRODUCING
47-049-00474-00	DIVERSIFIED ENERGY	P & A	OIL	DIVERSIFIED ENERGY	39 551064	-80.457728	986	996	1865	1865	WATSON HEIRS 4	OIL-P & A
47-049-00501-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1073	0	0	CONWAY, B. F. 5	GAS-PRODUCING
47-049-00714-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39 551064	-80.457728	1063	1072	0	0	CUNNINGHAM, M. 3	OTHER-P & A
47-049-30230-00	MILLIKEN, H. E., & SNIDER, A. M.	INACTIVE COMPLETED	OIL	MILLIKEN, H. E., & SNIDER, A. M.	39 55253	-80.466302	1145	0	0	2165	RACHEL EVANS	OIL-INACTIVE COMPLETED
47-049-72194-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 557727	-80.438394	1030	0	0	0	B F HUEY	UNREPORTED-UNREPORTED
47-049-00300-00	EQUITABLE GAS COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39 520783	-80.449154	1249	1258	3604	3604	CONSOLIDATION COAL R-435	OTHER-P & A
47-049-00557-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1073	0	0	MORGAN, NIMROD 2	OTHER-P & A
47-049-00909-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39 551064	-80.457728	1063	1072	0	0	RICE 1	OTHER-P & A
47-049-30116-00	HOPE CONSTRUCTION & REFINING	UNREPORTED	OIL & GAS UNREPORTE D	HOPE CONSTRUCTION & REFINING	39 563986	-80.463762	1214	0	3215	2404	O J CUNNINGHAM	OIL & GAS-UNREPORTED
47-049-72206-00	BP	UNREPORTED	UNREPORTE D	BP	39 564114	-80.460765	1090	0	0	0	A HOCKINBERRY	UNREPORTED-UNREPORTED
47-049-72212-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 57137	-80.458704	1336	0	0	0	JAMES CAMPBELL	UNREPORTED-UNREPORTED
47-049-00453-00	EQUITRANS MIDSTREAM	UNREPORTED	OTHER	EQUITRANS	39 551064	-80.457728	1063	1073	0	0	NO SUCH NUMBER	OTHER-UNREPORTED
47-049-72203-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 560486	-80.459079	1141	0	0	0	JACOB OTT	UNREPORTED-UNREPORTED
47-049-72293-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 528543	-80.455444	1301	0	0	0	FAY MORAN	UNREPORTED-UNREPORTED
47-049-72291-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 53072	-80.449261	1127	0	0	0	P M HIBBS	UNREPORTED-UNREPORTED
47-049-00029-00	O-I GLASS	P & A	OTHER	O-I GLASS	39 551064	-80.457728	1063	1073	0	0	HARTLEY, M. E. 144	OTHER-P & A
47-049-30007-00	MANUFACTURERS LIGHT & HEAT CO	UNREPORTED	GAS	MANUFACTURERS LIGHT&HEAT	39 544409	-80.444382	1037	0	0	0	JOHN CONAWAY HEIRS	GAS-UNREPORTED
47-049-02255-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39 552819	-80.459216	1079	1088	0	0	LUCAS, WILLIAM C. 5333	OTHER-P & A
47-049-00721-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39 551064	-80.457728	1063	1072	0	0	HOSTETTER, M. A.	OTHER-P & A
47-049-30050-00	HOPE CONSTRUCTION & REFINING	UNREPORTED	WATER UNREPORTE D	HOPE CONSTRUCTION & REFINING	39 521594	-80.43857	1113	0	2759	2754	L G MUSGRAVE	WATER-UNREPORTED
47-049-72224-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39 566581	-80.471069	1269	0	0	0	JOHN A HESSON	UNREPORTED-UNREPORTED
47-049-00034-00	CARNEGIE PROD CO	UNREPORTED	OTHER	CARNEGIE PRODUCTION	39 551064	-80.457728	1063	1073	0	0	YOST, ELIHU 1478	OTHER-UNREPORTED
47-049-00397-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1073	0	0	TENNANT, R. 6843	OTHER-P & A
47-049-01781-00	PERKINS OIL & GAS, INC.	PRODUCING	GAS	PERKINS OIL & GAS	39 568336	-80.471812	2118	2127	3610	3610	HIBBS 3	GAS-PRODUCING
47-049-00387-00	ROSS AND WHARTON GAS COMPANY, INC.	P & A	OTHER	ROSS&WHARTON GAS CO	39 551064	-80.457728	1063	1072	0	0	MORRIS, A. 3865	OTHER-P & A
47-049-01782-00	PERKINS OIL & GAS, INC.	PRODUCING	GAS	PERKINS OIL & GAS	39 568916	-80.46676	1825	1834	3491	3491	HIBBS 4	GAS-PRODUCING
47-049-00430-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39 551064	-80.457728	1063	1072	2890	2890	MERRYFIELD, L. 2146	GAS-PRODUCING
47-049-00935-00	MUTSHELKNAUS, CLARENCE W	PRODUCING	GAS	MUTSHELKNAUS CLARENCE W	39 551064	-80.457728	1063	1073	0	0	MCGRAW 1	GAS-PRODUCING

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47-049-72222-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.564985	-80.467322	1326	0	0	0	GEORGE M ICE	UNREPORTED-UNREPORTED
47-049-72243-00	BP	UNREPORTED	UNREPORTED	BP	39.558163	-80.473504	1239	0	0	0	G CAMPBELL	UNREPORTED-UNREPORTED
47-049-00258-00	WOLF'S HEAD OIL REFINING CO., INC.	P & A	WATER	CONSOLIDATION COAL COMPANY	39.543308	-80.457942	1309	1318	2570	2570	GRIM, ROBERT D 2905	WATER-P & A
47-049-00488-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	BLACKSHERE, B. F. 33	OTHER-P & A
47-049-00410-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	ROBINSON, DUDLEY 151	GAS-PRODUCING
47-049-72216-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.569484	-80.46601	1229	0	0	0	CAMPBELL & FLEMING	UNREPORTED-UNREPORTED
47-049-02120-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.546157	-80.465774	1364	1374	0	0	WALTERS, JAY T. 5454	OTHER-P & A
47-049-72250-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.550907	-80.463388	1169	0	0	0	EMERSON HAUGHT	UNREPORTED-UNREPORTED
47-049-72213-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.5705	-80.46245	1256	0	0	0	CAMPBELL & FLEMING	UNREPORTED-UNREPORTED
47-049-72247-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.554099	-80.461702	1248	0	0	0	RACHAEL EVANS	UNREPORTED-UNREPORTED
47-049-00679-00	PILLAR ENERGY	P & A	GAS	BUCKEYE OIL PRODUCING	39.551064	-80.457728	1063	1073	3415	3415	ASH 1	GAS-P & A
47-049-02065-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.535366	-80.453345	1412	1421	0	0	DUNCAN, ERIC O. 5329	OTHER-P & A
47-049-00866-00	NOUMENON CORPORATION	PRODUCING	GAS	WV MINERAL GROUP LLC	39.551064	-80.457728	1063	1073	3008	3008	SNODERLY, J. C. 98	GAS-PRODUCING
47-049-30392-00	SOUTH PENN OIL (S. PENN NAT. GAS)	INACTIVE COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.564276	-80.460127	1066	0	0	0	2057 J A HAWKINBERRY 1	OIL-INACTIVE COMPLETED
47-049-02076-00	CONSOLIDATION COAL COMPANY	P & A	GAS	CONSOLIDATION COAL COMPANY	39.52643	-80.442457	1163	1172	3130	3130	STEELE, ROBERT II 5327	GAS-P & A
47-049-00455-00	EQUITRANS MIDSTREAM	P & A	OTHER	LEATHERWOOD, INC.	39.533271	-80.440096	1086	1095	0	0	ARNETT 5332	OTHER-P & A
47-049-02125-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.546157	-80.465774	1364	1373	0	0	GRAY, JEFFREY B. 5454	OTHER-P & A
47-049-00048-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0	HARRIS, M. W. 1	OTHER-P & A
47-049-70107-00	SOUTH PENN OIL (S. PENN NAT. GAS)	COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.551164	-80.457493	1039	0	2071	0	JOSEPH HAYHURST	OIL-COMPLETED
47-049-30119-00	HOPE CONSTRUCTION & REFINING	UNREPORTED	WATER	HOPE CONSTRUCTION & REFINING	39.563116	-80.47032	1388	0	2505	2045	J W KENDALL	WATER-UNREPORTED
47-049-72221-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.566	-80.466573	1287	0	0	0	CAMPBELL & FLEMING	UNREPORTED-UNREPORTED
47-049-00288-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	HARDMAN, FRENCH 4	OTHER-UNREPORTED
47-049-00542-00	DIVERSIFIED ENERGY	P & A	GAS	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	JONES, DAVID 1	GAS-P & A
47-049-00911-00	INVITATION ENERGY INC	P & A	OTHER	INVITATION ENERGY	39.551064	-80.457728	1063	1072	0	0	TOOTHMAN 1	OTHER-P & A
47-049-00422-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	HAMILTON, GEORGE 897	OTHER-P & A
47-049-72139-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.526656	-80.422472	1224	0	0	0	G W BEATTY	UNREPORTED-UNREPORTED
47-049-00271-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	MASON, LUTHER A-265	OTHER-UNREPORTED
47-049-02074-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.540499	-80.460707	1054	1063	0	0	POWELL TRACY R 5451	OTHER-P & A
47-049-00057-00	DOMINION ENERGY	UNREPORTED	OTHER	HOPE GAS	39.551064	-80.457728	1063	1073	0	0	RICE, JACOB 7737	OTHER-UNREPORTED
47-049-00526-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	HAMILTON, D. F. 8	OTHER-P & A
47-049-00582-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	TALKINGTON, A. O. 6	OTHER-P & A
47-049-02231-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.554257	-80.460543	1229	1238	0	0	LUCAS, WILLIAM C. & VICKIE E. 5356	OTHER-P & A
47-049-00061-00	CARNEGIE NATURAL GAS CO	P & A	GAS	CONSOLIDATION COAL COMPANY	39.533477	-80.454132	1315	1324	3437	3437	CONSOLIDATION COAL COMPANY 5331	GAS-P & A
47-049-00508-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	CUNNINGHAM, J. 8	OTHER-P & A
47-049-70243-00	FREEHOLD OIL & GAS	UNREPORTED	UNREPORTED	FREEHOLD OIL & GAS	39.543684	-80.4279	1019	0	0	0	B B BOARD	UNREPORTED-UNREPORTED
47-049-72219-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.567162	-80.466011	1094	0	0	0	CAMPBELL & FLEMING	UNREPORTED-UNREPORTED
47-049-00540-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	STURMS, HUEY 1	OTHER-P & A
47-049-00740-00	EMAX OIL COMPANY	UNREPORTED	OTHER	EMAX	39.551064	-80.457728	1063	1073	0	0	CANFIELD, CECIL B. S-415	OTHER-UNREPORTED

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47-049-00747-00	EMAX OIL COMPANY	UNREPORTED	OTHER	EMAX	39.551064	-80.457728	1063	1073	0	0	0	FRANKLIN REAL ESTATE S-462	OTHER-UNREPORTED
47-049-00461-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	0	FLOYD, E. 1	OTHER-P & A
47-049-00247-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	0	TETRICK, LLOYD 1	OTHER-UNREPORTED
47-049-02295-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552574	-80.457088	1075	1084	0	0	0	PARRISH, WILLIAM H. 2885	OTHER-P & A
47-049-02012-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.531469	-80.451017	1150	1159	0	0	0	CONSOLIDATION COAL CO. 5330	OTHER-P & A
47-049-72289-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.534929	-80.453008	1337	0	0	0	0	KENNEDY BROS 1	UNREPORTED-UNREPORTED
47-049-00462-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	0	FLOYD, R. P. 52	OTHER-P & A
47-049-00378-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1072	0	0	0	BAYNE, L. 29	OTHER-P & A
47-049-72223-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.584839	-80.469008	1388	0	0	0	0	GEORGE MCKEON	UNREPORTED-UNREPORTED
47-049-00625-00	UNION GAS CORPORATION	UNREPORTED	OTHER	UNION GAS CORP (UNION GAS CO)	39.551064	-80.457728	1063	1073	0	0	0	JONES, JEANETTE	OTHER-UNREPORTED
47-049-02121-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.545585	-80.460954	1313	1323	0	0	0	WALTER HAY T. 2953	OTHER-P & A
47-049-02273-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.552604	-80.457611	1028	1037	0	0	0	LUCAS, WILLIAM 5341	OTHER-P & A
47-049-00720-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	0	HALDEN, E. 6	OTHER-P & A
47-049-02298-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	0	WELLS, C. E. 2	OTHER-P & A
47-049-00007-00	EQUITRANS MIDSTREAM	PERMIT EXPIRED	OIL & GAS	EQUITRANS	39.532607	-80.458144	1335	1345	2356	2356	0	HAYES, LANA 6198	OIL & GAS-PERMIT EXPIRED
47-049-30307-00	SOUTH PENN OIL (S. PENN NAT. GAS)	INACTIVE COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.569786	-80.464252	1088	0	0	0	2437	1	OIL-INACTIVE COMPLETED
47-049-00472-00	HOSUTLER, D. DIANE	PRODUCING	OIL	HOSUTLER D DIANE	39.551064	-80.457728	1063	1073	0	0	0	ASH, DORCAS 2	OIL-PRODUCING
47-049-70106-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	GAS	SOUTH PENN OIL (S PENN NAT GAS)	39.552965	-80.457872	1037	0	3088	0	0	JOSEPH HAYHURST	GAS-UNREPORTED
47-049-00719-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0	0	FREELAND, T. F. 4	OTHER-P & A
47-049-00698-00	CONSOL	UNREPORTED	OTHER	CONSOL GAS COMPANY	39.551064	-80.457728	1063	1073	0	0	0	AMOS, JOHN 1-83-SH	OTHER-UNREPORTED
47-049-01658-00	CONSOL	P & A	OTHER	MOUNTAIN ENERGY	39.551028	-80.463641	1181	1190	0	0	0	ALLEGHENY FORESTLANDS, LLC 5457 (1)	OTHER-P & A
47-049-00465-00	COBHAM GAS INDUSTRIES, INC.	P & A	OIL	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	2071	2071	0	HAYHURST, J. 5342	OIL-P & A
47-049-00050-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	0	ASH HEIRS 1	OTHER-P & A
47-049-00201-00	EQUITRANS MIDSTREAM	DRILLED	OTHER	EQUITRANS	39.521601	-80.438596	1112	1121	0	0	0	MUSGRAVE, GUY F. 6169	OTHER-DRILLED
47-049-00448-00	DIVERSIFIED ENERGY	PRODUCING INACTIVE	GAS	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1072	1926	1926	0	GRIM 5169	GAS-PRODUCING
47-049-00452-00	EQUITABLE GAS COMPANY	PRODUCER	OTHER	EQUITABLE	39.551064	-80.457728	1063	1073	0	0	0	BRAND 5257	OTHER-INACTIVE PRODUCER
47-049-72201-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.559034	-80.457315	1181	0	0	0	0	MARY ICE	UNREPORTED-UNREPORTED
47-049-00260-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1073	0	0	0	FULAYTER, STEVE 1	OTHER-UNREPORTED
47-049-00717-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	0	FLUHARTY, HAMAN 2	OTHER-P & A
47-049-72242-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.559034	-80.472193	1078	0	0	0	0	FRANK SNIDER	UNREPORTED-UNREPORTED
47-049-72196-00	BP	UNREPORTED	UNREPORTE D	BP	39.550907	-80.455442	1128	0	0	0	0	JOSEPH HAYHURST	UNREPORTED-UNREPORTED
47-049-00964-00	C & J OIL & GAS INC	P & A	OTHER	C & J O&G	39.551064	-80.457728	1063	1073	0	0	0	ASH, DORCAS 1	OTHER-P & A
47-049-00743-00	FOX DRLG CO	UNREPORTED	OTHER	FOX DRLG	39.551064	-80.457728	1063	1073	0	0	0	SATTERFIELD, ORVAL R. 2	OTHER-UNREPORTED
47-049-00553-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	0	MORGAN, C. B. 3	GAS-PRODUCING
47-049-00715-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	0	EFAW, M. C. 1	OTHER-P & A
47-049-02301-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.55005	-80.447273	1094	1103	0	0	0	CONSOLIDATION COAL COMPANY 5336	OTHER-P & A
47-049-02477-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.528112	-80.427201	1001	1010	0	0	0	S.C. & JENNIE THORNE (C/O PATTY STURM) ET AL R-275	OTHER-P & A

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47-049-30341-00	SOUTH PENN OIL (S. PENN NAT GAS)	INACTIVE COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.564421	-80.465823	1289	0	0	2472	GEO M ICE 4	OIL-INACTIVE COMPLETED
47-049-02026-00	CONSOLIDATION COAL COMPANY	P & A	GAS	CONSOLIDATION COAL COMPANY	39.535784	-80.431759	1080	1089	2813	2813	BAKER, LARRY E. 5235	GAS-P & A
47-049-00500-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	CONAWAY, BELLE 2	GAS-PRODUCING
47-049-00609-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39.551064	-80.457728	1063	1073	0	0	YOST, SUSAN 9	GAS-PRODUCING
47-049-30229-00	MILLIKEN, H. E. & SNIDER, A. M	DRILLED	WATER	MILLIKEN, H. E. & SNIDER, A. M	39.55282	-80.457498	1037	0	2045	2019	J D CHARLTON	WATER-DRILLED
47-049-72241-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.561936	-80.467885	1383	0	0	0	GEORGE M ICE	UNREPORTED-UNREPORTED
47-049-00592-00	ERP FEDERAL MINING COMPLEX, LLC	P & A	OTHER	ERP FEDERAL MINING COMPLEX, LLC	39.551064	-80.457728	1063	1073	0	0	TUCKER, D. D. 3	OTHER-P & A
47-049-00173-00	B F HUEY	P & A	WATER	OPERATOR UNKNOWN	39.55835	-80.437673	1095	1104	3317	3317	HUEY, B G 1	WATER-P & A
47-049-72207-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.56542	-80.459828	1176	0	0	0	A HOCKINBERRY	UNREPORTED-UNREPORTED
47-049-02124-00	CONSOLIDATION COAL COMPANY WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL&GAS	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.545585	-80.460954	1313	1322	0	0	GRAY, JEFFREY B. 5453	OTHER-P & A
47-049-00817-00	COMMONWEALTH ENERGY, INC.	P & A	OTHER	COMMONWEALTH ENERGY	39.551064	-80.457728	1063	1073	0	0	BAKER 2	OTHER-P & A
47-049-00523-00	COMMONWEALTH ENERGY, INC.	P & A	OTHER	COMMONWEALTH ENERGY	39.551064	-80.457728	1063	1073	0	0	GLOVER, A. M. 1	OTHER-P & A
47-049-00575-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	SNODERLY, M. S. 5	GAS-PRODUCING
47-049-30192-00	SOUTH PENN OIL (S. PENN NAT GAS)	INACTIVE COMPLETED	OIL	SOUTH PENN OIL (S PENN NAT GAS)	39.554125	-80.458622	1080	0	0	2101	JOSEPH HAYHURST 3	OIL-INACTIVE COMPLETED
47-049-72204-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.559034	-80.462076	1064	0	0	0	MARY ICE	UNREPORTED-UNREPORTED
47-049-72244-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.556566	-80.462826	1346	0	0	0	ENOCH EVANS	UNREPORTED-UNREPORTED
47-049-00934-00	MUTSCHELKNAUS, CLARENCE W	PRODUCING	OIL	MUTSCHELKNAUS CLARENCE W	39.551064	-80.457728	1063	1073	0	0	HAMILTON 1	OIL-PRODUCING
47-049-72200-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.555841	-80.457891	1046	0	0	0	ENOCH EVANS	UNREPORTED-UNREPORTED
47-049-70249-00	BP	UNREPORTED	UNREPORTE D	BP	39.526656	-80.442142	1196	0	0	0	JAS HAYES	UNREPORTED-UNREPORTED
47-049-72248-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.551922	-80.46676	1146	0	0	0	RACHAEL EVANS	UNREPORTED-UNREPORTED
47-049-72288-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.535655	-80.460017	1245	0	0	0	D L CUNNINGHAM	UNREPORTED-UNREPORTED
47-049-30109-00	HOPE CONSTRUCTION & REFINING	UNREPORTED	WATER	HOPE CONSTRUCTION & REFINING	39.564856	-80.464887	1281	0	2471	2464	O J CUNNINGHAM	WATER-UNREPORTED
47-049-00618-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	BEATY, M. A. 20	GAS-PRODUCING
47-049-00727-00	(N/A)	P & A	OTHER	OPERATOR UNKNOWN	39.551064	-80.457728	1063	1072	0	0	MICHAEL, E. I. 1	OTHER-P & A
47-049-30951-00	BISSETT, A. & M.	UNREPORTED	UNREPORTE D	BISSETT, A. & M.	39.552965	-80.455999	1199	0	0	0	JOSEPH HAYHURST	UNREPORTED-UNREPORTED
47-049-00616-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	BEATY, M. A. 15	GAS-PRODUCING
47-049-72239-00	BP	UNREPORTED	UNREPORTE D	BP	39.562227	-80.471443	1232	0	0	0	JOHN W KENDALL	UNREPORTED-UNREPORTED
47-049-02458-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.535155	-80.428505	1341	1350	0	0	BAKER, LARRY E. 5239	OTHER-P & A
47-049-00559-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED ENERGY	39.551064	-80.457728	1063	1073	0	0	MORGAN, N. 5	GAS-PRODUCING
47-049-00774-00	DIVERSIFIED ENERGY	P & A	GAS	DOMINION ENERGY TRANSMISSION, INC.	39.551064	-80.457728	1063	1072	2939	2939	FETTY, V. 3170	GAS-P & A
47-049-00576-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.551064	-80.457728	1063	1073	0	0	SNODERLY, M. S. 7	OTHER-P & A
47-049-72253-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.549891	-80.466574	1244	0	0	0	EMERSON HAUGHT	UNREPORTED-UNREPORTED
47-049-01660-00	CONSOL CONSOLIDATION COAL COMPANY	P & A	OTHER	MOUNTAIN ENERGY	39.54972	-80.465292	1324	1333	0	0	ALLEGHENY FORESTLAND, LLC 5456	OTHER-P & A
47-049-02075-00	CONSOLIDATION COAL COMPANY	P & A	OTHER	CONSOLIDATION COAL COMPANY	39.544037	-80.42819	1041	1050	0	0	SNODGRASS, TOM LEE 5250	OTHER-P & A
47-049-72211-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.569919	-80.457502	1350	0	0	0	JAMES CAMPBELL	UNREPORTED-UNREPORTED
47-049-72202-00	(N/A)	UNREPORTED	UNREPORTE D	(N/A)	39.580631	-80.456566	1127	0	0	0	JACOB OTT	UNREPORTED-UNREPORTED
47-049-00136-00	(N/A)	P & A	OTHER	(N/A)	39.551064	-80.457728	1063	1073	0	0	BUCKLEW, N. E. 2	OTHER-P & A
47-049-00200-00	EQUITRANS MIDSTREAM	DRILLED	OTHER	EQUITRANS	39.520126	-80.440456	1149	1158	0	0	ELSHELMAN, ROGER 6168	OTHER-DRILLED

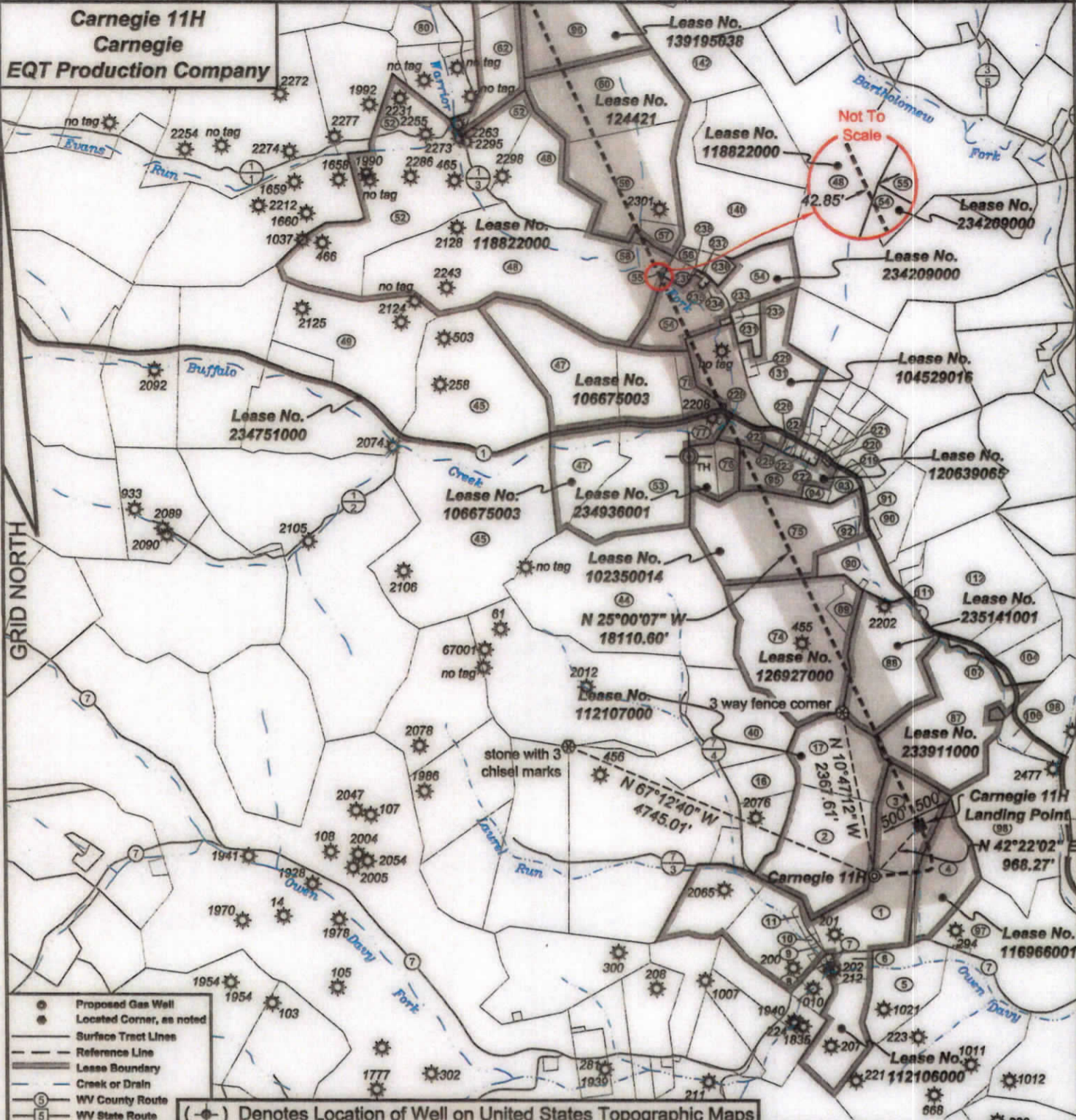
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47-049-00483-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39 551064	-80.457728	1063	1073	0	0	BLACKSHERE, B. F 22	OTHER-P & A
47-049-00571-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1073	0	0	PRICHARD, M. A. 9	OTHER-P & A
47-049-01784-00	PERKINS OIL & GAS, INC.	PRODUCING	OIL & GAS	PERKINS OIL & GAS	39 554893	-80.472483	1358	1367	3630	3630	RIGGS 2	OIL & GAS-PRODUCING
47-049-00549-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1073	0	0	KOEN-MCGRAW 7	OTHER-P & A
47-049-00741-00	FOX DRLG CO	UNREPORTED	OTHER	FOX DRLG	39 551064	-80.457728	1063	1073	0	0	MICHAEL, J. R., ETUX 1	OTHER-UNREPORTED
47-049-30591-00	TRI-STATE PIPE COMPANY, THE	COMPLETED	OIL	TRI-STATE PIPE COMPANY, THE	39 55253	-80.460495	1051	0	0	0	2079 JOSEPH HAYHURST 9	OIL-COMPLETED
47-049-30188-00	HOPE CONSTRUCTION & REFINING	UNREPORTED	OIL	HOPE CONSTRUCTION & REFINING	39 571381	-80.459381	1410	0	2522	2516	JAMES CAMPBELL	OIL-UNREPORTED
47-049-70212-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	UNREPORTE D	SOUTH PENN OIL (S PENN NAT GAS)	39 540881	-80.460391	1074	0	0	0	RILEY ARNETT	UNREPORTED-UNREPORTED
47-049-00140-00	(N/A)	UNREPORTED	OTHER	OPERATOR UNKNOWN	39 551064	-80.457728	1063	1073	0	0	MOORE, W. B 1	OTHER-UNREPORTED
47-049-00005-00	O-I GLASS	P & A	OTHER	O-I GLASS	39 551064	-80.457728	1063	1073	0	0	KEEFOVER, O. A. 140	OTHER-P & A
47-049-00372-00	DIVERSIFIED ENERGY	PRODUCING	GAS	DIVERSIFIED PRODUCTION	39 551064	-80.457728	1063	1072	0	0	AMOS, D. 2589	GAS-PRODUCING
47-049-00520-00	DIVERSIFIED ENERGY	P & A	OTHER	DIVERSIFIED ENERGY	39 551064	-80.457728	1063	1073	0	0	FURBEE, J. H. 4	OTHER-P & A
47-049-00936-00	CONSOL HOPE CONSTRUCTION & REFINING	P & A	OTHER	CONSOLIDATION COAL COMPANY HOPE CONSTRUCTION & REFINING	39 551064	-80.457728	1063	1073	0	0	THORNE 1	OTHER-P & A
47-049-30123-00	UNREPORTED	UNREPORTED	WATER	REFINING	39 569786	-80.461327	1272	0	2468	0	JAMES CAMPBELL	WATER-UNREPORTED
47-049-00095-00	(N/A)	P & A	OTHER	(N/A)	39 551064	-80.457728	1063	1073	0	0	CARPENTER, DENZEL E. 1	OTHER-P & A
47-049-00293-00	CONSOLIDATION COAL COMPANY	P & A	DRY HOLE	CONSOLIDATION COAL COMPANY	39 524479	-80.447575	1058	1067	2931	2931	MORGAN, NANCY J. 5325	DRY HOLE-P & A
47-049-00292-00	EQUITRANS MIDSTREAM	P & A	OIL	CONSOLIDATION COAL COMPANY	39 523753	-80.44514	1066	1075	2228	2228	DUNCAN, ERIC O. 5324	OIL-P & A

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TH: 5581' LAT: 39-32-30

TH: 6495' LONG: 80-25-00



- Proposed Gas Well
 - Located Corner, as noted
 - Surface Tract Lines
 - Reference Line
 - Lease Boundary
 - Creek or Drain
 - WV County Route
 - WV State Route
- (---) Denotes Location of Well on United States Topographic Maps



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Ben R. Singleton
P.S. 2092



SEAL

FILE NO: 92-21
DRAWING NO: Carnegie 11H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 29 20 24
OPERATOR'S WELL NO.: Carnegie 11H
API WELL NO
47 - 049 - 02525
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

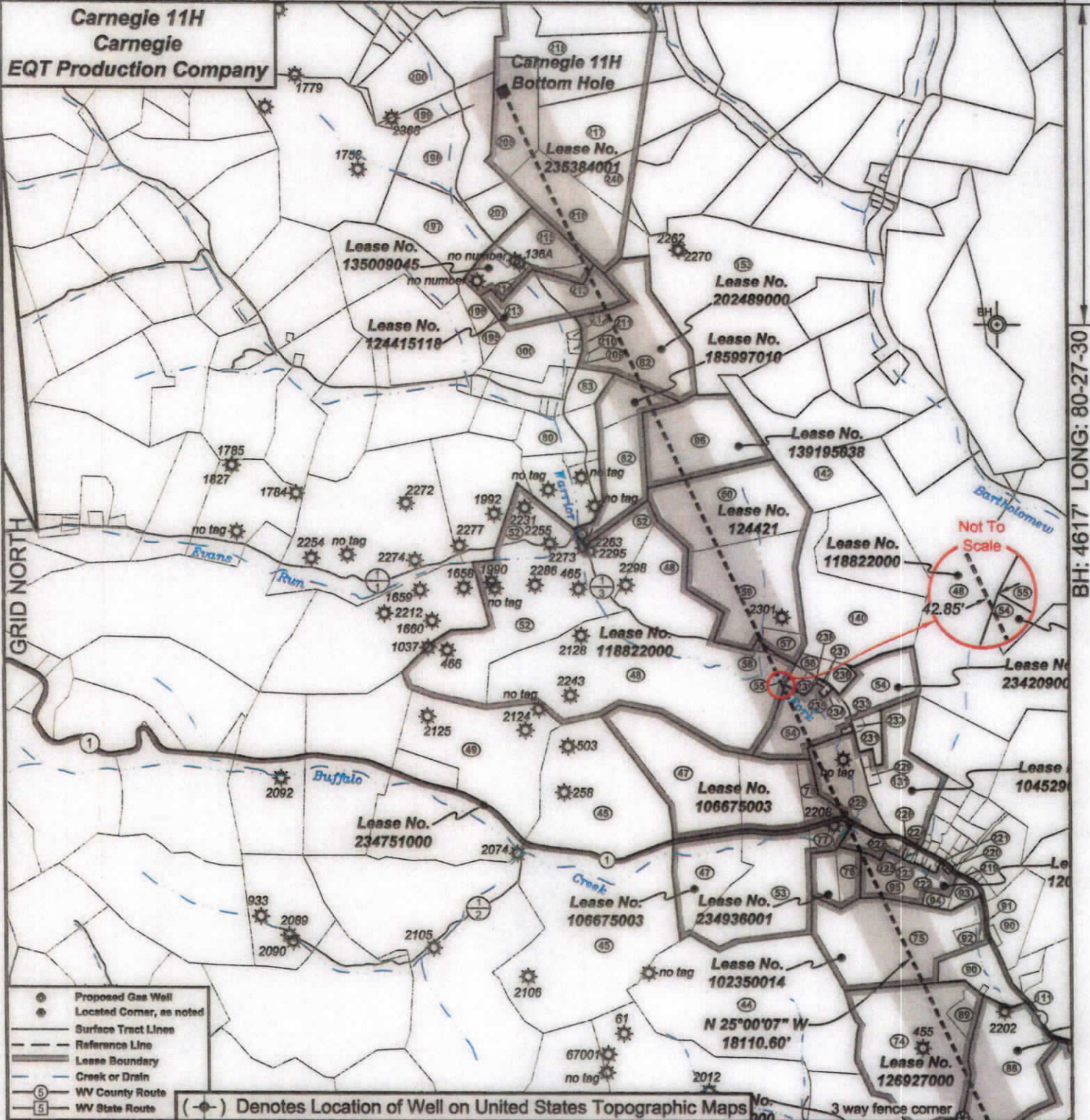
LOCATION: ELEVATION: As-Built: 1318' WATERSHED Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion

SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 135
ROYALTY OWNER: Bounty Minerals, LLC, et al. LEASE NO: 112106000 ACREAGE: 135

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7712'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 25301

05/24/2024



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

[Signature]

P.S. 2092



FILE NO: 92-21
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STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 29 20 24
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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built: 1318' WATERSHED Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap
 DISTRICT: Mannington COUNTY: Marion
 SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 135.00
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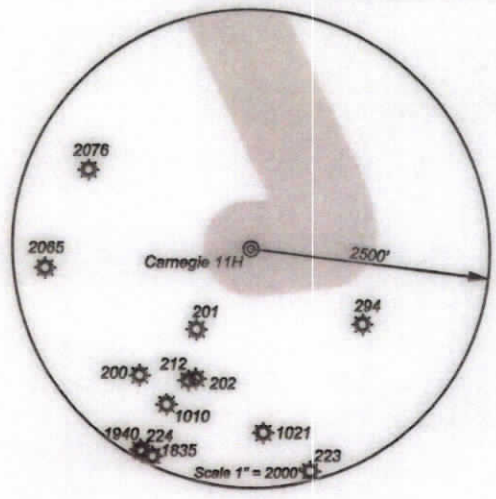
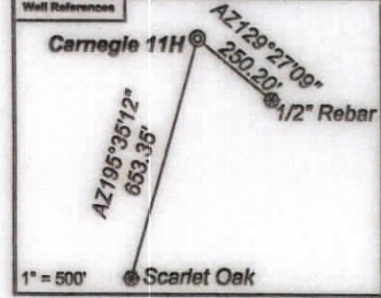
05/24/2024

**Carnegie 11H
Carnegie
EQT Production Company**

Lease No.	Owner	Acres
112106000	Bounty Minerals, LLC, et al.	135
116968001	Judith Ann Myers, et al.	38
112107000	EQT Production Company, et al.	81
233911000	CNX Gas Company LLC	61.75
235141001	Alan Sturm Cunningham, et al.	42,281.25
126927000	CNX Gas Company LLC, et al.	71
102350014	Karen S. Phillips Trust, et al.	55
120639065	H3, LLC	17.1548301
234938001	J&N Management Enterprises, LLC, et al.	12
104529016	Kistler Family Trust dated September 25, 2013, et al.	58.77
106675003	J&N Management Enterprises, LLC, et al.	163.02
234751000	West Virginia Department of Transportation, Division of Highways	46.86
234209000	CNX Gas Company LLC	41.05
118822000	John M. Bachman, et al.	280.40
124421	CNX Gas Company LLC	99.11
139195038	Josephine F. Jordan, et al.	40
185997010	Craig M. Steele, et al.	36
202488000	Barbara Ellen Henderson, et al.	59.0727
124415118	LuAnn Campbell, et al.	32.5
135009045	XTO Energy, Inc.	36 of 222
235384001	Country Roads Minerals, LLC, et al.	557.26

Notes:
 Carnegie 11H coordinates are
 NAD 27 N: 374,278.99 E: 1,735,840.58
 NAD 27 Lat: 39.523835 Long: -80.436453
 NAD 83 UTM N: 4,375,070.82 E: 548,453.11
 Carnegie 11H Landing Point coordinates are
 NAD 27 N: 374,994.39 E: 1,736,493.08
 NAD 27 Lat: 39.525818 Long: -80.434166
 NAD 83 UTM N: 4,375,292.10 E: 548,648.27
 Carnegie 11H Bottom Hole coordinates are
 NAD 27 N: 391,407.89 E: 1,728,838.62
 NAD 27 Lat: 39.570657 Long: -80.461923
 NAD 83 UTM N: 4,380,253.81 E: 546,232.99
 West Virginia Coordinate system of 1927 (North Zone) based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon the grid north meridian.
 Well location references are based upon the grid north meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

- Carnegie**
- ⊙ Carnegie 19H
 - ⊙ Carnegie 17H
 - ⊙ Carnegie 15H
 - ⊙ Carnegie 13H
 - ⊙ Carnegie 11H
 - ⊙ Carnegie 9H
 - ⊙ Carnegie 7H
 - ⊙ Carnegie 5H
 - ⊙ Carnegie 3H
 - ⊙ Carnegie 1H



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Ben R. Singleton
 P.S. 2092



SEAL

FILE NO: 92-21
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 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: April 29 20 24
 OPERATOR'S WELL NO.: Carnegie 11H
 API WELL NO
 47 - 049 - 02525
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built: 1318' WATERSHED Laurel Run of Owen Davy Fork QUADRANGLE: Glover Gap
 DISTRICT: Mannington COUNTY: Marion
 SURFACE OWNER: Jeanne A. Musgrave Akers & Joseph Forte ACREAGE: 26.96
 ROYALTY OWNER: Bounty Minerals, LLC, et al. LEASE NO: 112106000 ACREAGE: 135
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7712'

05/24/2024

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 25301

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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See Attached

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WV Department of
Environmental Protection

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: EQT Production Company
 By: John Zavatchan
 Its: Project Specialist - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>112106000</u>	<u>Bounty Minerals, LLC, et al.</u> Guy F. Musgrave, single, et al. Pittsburgh and West Virginia Gas Company Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, L.P.	135 ac	Pittsburgh and West Virginia Gas Company Equitable Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 465/312 DB 510/487 DB 511/539 AB 12/279 DB 1148/296 AB 46/660 DB 1114/130
<u>116966001</u>	<u>Judith Ann Myers, et al.</u> Marshall Cutright and Betty Cutright, husband and wife, and Dick Cartright, single Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, L.P.	36 ac	Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 724/970 AB 12/279 DB 1148/296 AB 46/660 DB 1114/130
<u>112107000</u>	<u>EQT Production Company, et al.</u> Howard Wright and Helen Wright, his wife, et al. Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, L.P.	81 ac	Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 667/33 AB 12/279 DB 1148/296 AB 46/660 DB 1114/130
<u>233911000</u>	<u>CNX Gas Company LLC</u> CNX Gas Company LLC	61.75 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1332/1059

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<u>235141001</u>	<u>Alan Sturm Cunningham, et al.</u> Alan Sturm Cunningham and Diana L. Cunningham, husband and wife	42.28125 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1338/931
<u>126927000</u>	<u>CNX Gas Company LLC, et al.</u> J. Arthur Arnett and Nellie J. Arnett, his wife, and J. S. Johnston R. D. Mead Carnegie Natural Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, L.P.	71 ac	R. D. Mead Carnegie Natural Gas Company Equitable Gas Company Equitrans, Inc. Equitable Gas Company, LLC Equitrans, LP EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 220/586 DB 246/359 DB 568/353 AB 12/279 DB 1148/296 AB 46/660 DB 1114/130
<u>102350014</u>	<u>Karen S. Phillips Trust, et al.</u> Karen S. Phillips Trust, by David K. Phillips as Trustee	55 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1308/63
<u>120639065</u>	<u>H3, LLC</u> H3, LLC	17.1548301 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1240/443
<u>234936001</u>	<u>J&N Management Enterprises, LLC, et al.</u> J&N Management Enterprises, LLC	12 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1377/166
<u>104529016</u>	<u>Kistler Family Trust dated September 25, 2013, et al.</u> John J.A. Kistler and Ruth Kistler aka Ruth E. Kistler, husband and wife	56.77 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1233/1043
<u>106675003</u>	<u>J&N Management Enterprises, LLC, et al.</u> J&N Management Enterprises, LLC	163.02 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1337/168

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MAY 02 2024

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<u>234751000</u>	<u>West Virginia Department of Transportation, Division of Highways</u> West Virginia Department of Transportation, Division of Highways	46.86 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1336/524
<u>234209000</u>	<u>CNX Gas Company LLC</u> CNX Gas Company LLC	41.05 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1333/7
<u>118822000</u>	<u>John M. Bachman, et al.</u> John M. Bachman Republic Energy Ventures, LLC, et al.	260.40 ac	Republic Energy Ventures, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1164/671 AB 51/525
<u>124421</u>	<u>CNX Gas Company LLC</u> CNX Gas Company LLC	99.11 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	Letter Agreement dated April 18, 2024
<u>139195038</u>	<u>Josephine F. Jordan, et al.</u> Josephine F. Jordan, a widow and not remarried	40 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1328/1020
<u>185997010</u>	<u>Craig M. Steele, et al.</u> Craig M. Steele, a married man dealing in his sole and separate property	36 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1312/441
<u>202489000</u>	<u>Barbara Ellen Henderson, et al.</u> Lester Riggs and Susie Jo Riggs, husband and wife American Shale Development, Inc. Republic Energy Ventures, LLC Republic Partners VIII, LLC, et al. American Shale Development, Inc., et al.	58.0727 ac	American Shale Development, Inc. Republic Energy Ventures, LLC Republic Partners VIII, LLC EQT Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1132/218 AB 47/469 AB 51/525 DB 1228/1

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<u>124415118</u>	<u>LuAnn Campbell, et al.</u> James R. Campbell & LuAnn Campbell, married Republic Energy Ventures, LLC, et al.	32.5 ac	Republic Energy Ventures, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1129/90 AB 51/525
<u>135009045</u>	<u>XTO Energy, Inc.</u> Mike Ross, Inc. American Shale Development, Inc. Republic Energy Ventures, LLC Republic Partners VIII, LLC, et al. American Shale Development, Inc., et al.	36 ac of 222 ac	American Shale Development, Inc. & Republic Energy Ventures, LLC Republic Partners VIII, LLC EQT Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1135/390 AB 47/469 AB 51/525 DB 1228/1
<u>235384001</u>	<u>Country Roads Minerals, LLC, et al.</u> Country Roads Minerals, LLC	557.26 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1340/645

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May 1, 2024

Mr. Taylor Brewer
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Carnegie 11H 6A1 Addendum

Dear Mr. Brewer,

This letter and supporting documentation serve as EQT Production Company's addendum to the WW-6A1 form associated with this well. The lease included on this addendum is a lease in which EQT "claims the right to extract, produce or market the oil or gas", but does not propose to encounter the lease with the proposed wellbore. EQT would like to report this lease as part of our Well Work Permit Application, as it is located within 50' of our proposed permitted wellbore.

If EQT does encounter this lease, an application for a permit modification will be filed with the West Virginia DEP, Office of Oil and Gas.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

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Carnegie 11H
EQT Production Company
 "Detail of Lease No. 234224000"



Lease No.
118822000

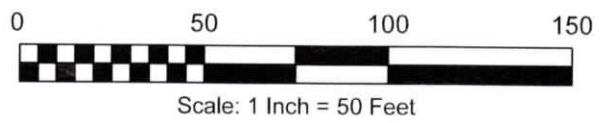
Lease No.
234224000

Lease No.
234209000

Proposed Well Bore

42.85'

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Birch River Office Phone: (304) 649-8606 Fax: (304) 649-8608		237 Birch River Road Birch River, WV 26610 www.alleghenysurveys.com	
		DRAWING NO: 11H Adendum Lease 234224000.dwg	
PARTY CHIEF: NA		PROJECT NO: 92-18-M-21	
RESEARCH: NA		PREPARED: April 05, 2024	
SURVEYED: NA		DRAWN BY: Tim Rutledge	
FIELD CREW: NA		Sheet 1 of 1	

WW-6A1 attachment

Operator's Well No.

Carnegie 11H Addendum

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>234224000</u>	<u>CNX Gas Company LLC, et al.</u> CNX Gas Company LLC	2.72 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 1332/1065

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April 18, 2024

Peter Binotto
VP - Land Operations
CNX Gas Company LLC
CNX Center
1000 Horizon Vue Drive
Canonsburg, PA 15317

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RE: Potential Transaction Drill Letter – Marshall, Marion and Wetzel County, WV

Dear Mr. Binotto:

1. Per our discussions, EQT Production Company, a Pennsylvania corporation ("**EQT**"), and CNX Gas Company LLC, a Virginia limited liability company ("**CNX**") (CNX and EQT may be referred to individually as a "**Party**" and collectively as the "**Parties**"), are currently negotiating a potential Joint Operations Agreement ("JOA") or a Purchase and Sale Agreement ("PSA") of certain oil and gas leases or CNX fee acreage in Marshall, Marion and Wetzel Counties, West Virginia (the "**Potential Transaction**"), to facilitate EQT's drilling and development needs.

2. The Parties anticipate that in the Potential Transaction, CNX would elect to participate in a JOA or divest their interest in a PSA to EQT fee acreage and certain oil and gas leases. The specific properties and amounts of properties to be exchanged will be specified in a definitive written agreement containing terms and conditions mutually acceptable to the Parties in their respective sole and absolute discretion (a "**Definitive Agreement**").

3. The Parties anticipate that among the CNX oil and gas leases that may be included in the Potential Transaction are the oil and gas leases or portions thereof described on **Exhibit A** attached hereto, comprising approximately 133.798 Net Acres (the "**Drilling Leases**" and "**Fee Acreage**"). As used in this letter agreement, "**NRI Acres**" shall have the definition set forth on Schedule 1.

4. The Parties desire to accommodate EQT's drilling and development of certain EQT units during the pendency of discussions and negotiations on, and in advance of the execution of, a Definitive Agreement and the closing of the Potential Transaction. Therefore, CNX hereby grants to EQT and/or its designated affiliates the limited right to permit and, upon receipt of all necessary permits and government approvals, to drill through the subsurface in order to horizontally drill, complete and produce one (1) or more wellbore laterals ("**Wells**") through CNX's leasehold in order to access the Marcellus Formation of the lands covered by the Drilling Leases and Fee Acreage; **provided, however**, that CNX hereby expressly withholds to itself and its successors and assigns and does not grant to EQT (a) the right to drill in or through any area or formation covered by the Drilling Leases and Fee Acreage other than the Marcellus Formation, except to drill through the subsurface where necessary to access the Marcellus Formation or (b) the right to access the surface of or to conduct surface operations on the lands covered by

the Drilling Leases and Fee Acreage. As used in this letter agreement, "**Marcellus Formation**" shall have the definition set forth on Schedule I.

5. EQT hereby agrees to indemnify, defend and hold harmless CNX and its affiliates, parents, subsidiaries or related companies (the "**Indemnified Parties**") for, from and against any and all Claims (as defined below) sustained by the Indemnified Parties resulting from or in connection with EQT's and/or its designated affiliates' activities with respect to the Drilling Leases, including, without limitation, the drilling of the Wells and EQT's development and operation of the Drilling Leases, that arise on or after the date of this letter agreement. "**Claims**" shall mean any and all losses, suits, proceedings, actions, causes of action, in law or at equity, demands, penalties, fines, fees, charges, assessments, liabilities (including environmental liabilities), damages (including environmental and natural resources damages), claims, judgments, executions, costs and expenses of any kind (including, without limitation, attorney's fees, expert's fees, court costs and other out-of-pocket fees and disbursements), fines, taxes, and interest, whether existing or incurred or asserted in the future, in connection with (a) any such claim or the defense thereof, (b) amounts paid in settlement, orders, liens, or decrees, or (c) any injury or damage of any kind and nature to persons (including sickness, illness, and death), mines, wells, or property claims or to the Drilling Lease, or natural resources, and with respect to any of the foregoing, whether sustained or brought by or against CNX or any third party. Notwithstanding any of the foregoing, in the event that any Claims arise from the joint or concurrent negligence of EQT and CNX, the loss shall be borne by EQT and CNX proportionately to their degree of negligence, and EQT shall have no obligation to indemnify CNX against CNX's negligence or willful misconduct. The indemnity obligation set forth in this section shall survive any execution of a Definitive Agreement or assignment of the Drilling Leases and be in addition to any indemnity provided for in a Definitive Agreement or any assignment of the Drilling Leases.

6. In the event that the Parties execute a Definitive Agreement on or before April 30, 2024 (the "**Execution Deadline**"), the Drilling Leases, limited to the Marcellus Formation, shall be included in a JOA or assignment at the closing of the Potential Transaction in accordance with the terms and conditions set forth in the Definitive Agreement, provided, however, that even if a Definitive Agreement is executed, the Drilling Leases and Fee Acreage shall be conveyed on an "as is, where is" basis and without representations or warranties of any kind whatsoever other than those expressly set forth in the applicable JOA or Assignment, and CNX hereby expressly disclaims any and all other representations and warranties with respect to the Drilling Leases and Fee Acreage. The foregoing provision shall survive the execution of a Definitive Agreement or Assignment of the Drilling Leases and Fee Acreage. The Parties may extend the Execution Deadline by mutual written agreement in order to continue to pursue the Potential Transaction discussions while reasonably accommodating each Party's ongoing development needs.

7. In the event that the Parties do not execute a Definitive Agreement on or before the Execution Deadline or in the event that a Definitive Agreement is executed but the Potential Transaction does not close, then CNX shall promptly assign and transfer to EQT the Drilling Leases and Fee Acreage limited to the Marcellus Formation pursuant to an assignment of lease in the form attached as **Exhibit B** hereto (an "**Assignment**"). Then EQT shall pay to CNX the sum of twelve thousand dollars (\$12,000.00) per **NRI** Acre of the Drilling Leases assigned pursuant to this letter agreement. In the event that either Party executes an Assignment pursuant to this letter agreement and the Assignment includes a term, as set forth on Exhibit B, the amount of the payment to extend the Primary Term of the Assignment,

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which payment is referenced in Section 1(a) of the Assignment, shall be five thousand dollars (\$5,000.00) per net mineral acre of the Leases (as defined in the Assignment) for which an Assignment is so extended.

8. The Drilling Leases ("**Properties**") to be assigned or leased pursuant to the terms of this letter agreement, rather than pursuant to a Definitive Agreement, shall be assigned and/or granted, as the case may be, free and clear of (a) all gathering or midstream dedications or commitments, and (b) all other senior mortgages, liens and encumbrances for which pre-closing waivers, releases or subordinations are customarily sought in transactions similar to the Potential Transaction, but otherwise, any assignment or lease of Properties pursuant to this letter agreement shall be on an "as is, where is" basis and without representations or warranties of any kind whatsoever other than those expressly set forth in a Definitive Agreement and the Assignment(s) and Lease(s) applicable thereto, and the Party assigning or leasing the applicable Properties hereby expressly disclaims any and all other representations and warranties with respect to such Properties.

9. Upon the assignment or lease of any Property pursuant to the terms of this letter agreement, the assigning or leasing Party shall make available to the other Party, electronically on a digital file-sharing service, electronic copies of its lease and payment files pertaining to each Property (the "**Records**").

10. Nothing in this letter agreement shall require the Parties to consummate a Potential Transaction, it being understood that any such Potential Transaction is subject to negotiation of a Definitive Agreement and approval by the Parties' respective senior management and boards of directors, as applicable, each in their sole and absolute discretion; **provided, however**, that in the absence of a Definitive Agreement, the Parties' respective obligations under **Sections 4 through 11** hereof shall be fully enforceable.

11. Except as otherwise provided herein, this letter agreement and the rights and obligations of the Parties hereunder shall terminate if and when the Parties execute and deliver a Definitive Agreement and close the Potential Transaction thereunder. This letter agreement shall be governed by Pennsylvania law excluding any choice-of-law rules which would refer the matter to the laws of another jurisdiction. This letter agreement may be executed in any number of counterparts, each of which shall be considered an original for all purposes, and all of which, when taken together, shall constitute one and the same instrument, provided that this letter agreement but shall not be binding on any Party until fully executed by all Parties.

[Signature page follows]

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If the above meets your approval, please execute in the space provided below and return one signed copy to my attention. Should you have any questions, please contact Greg Godbey at (724)802-2353.

Sincerely,

EQT Production Company

DocuSigned by:



B89B4A94E0C646A

Corey C. Peck
Vice President of
Land



Acknowledged, accepted, and agreed to on April 18, 2024.

CNX Gas Company LLC

DocuSigned by:



73E3841E060D481

Name: Peter Binotto

Title: Vice President – Land Operations

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Schedule J

Definitions

"Marcellus Formation" means those depths and formations from 500' above the top of the Tully Limestone formation to 200' below the top of the Onondaga Limestone formation. For purposes of this Agreement, the top of the Tully Limestone formation is defined as the correlative stratigraphic equivalent to that point found at 7,398' measured depth as seen in the J. Burley #1 Well (API 47-051-00539) located in Marshall County, West Virginia (the "**J. Burley #1 Well**"), and the top of the Onondaga Limestone formation is defined as the correlative stratigraphic equivalent to that point found at 7,577' measured depth as seen in the J. Burley #1 Well.

"Net Revenue Interest" means, with respect to the Marcellus Formation of each Property, the interest in and to all oil, gas, and other hydrocarbons produced from or attributable to the Marcellus Formation of such Property after giving effect to all royalty (including lessor's royalties), overriding royalties, production payments and other burdens upon, measured by or payable out of production therefrom.

"Net Working Interest Acreage" means, computed separately with respect to each Property and with respect to the Marcellus Formation, (i) the number of gross mineral acres in the lands included in or encumbered by such Property, multiplied by (ii) the percent interest of oil, gas and associated hydrocarbons in such Property owned by the lessor upon its execution, multiplied by (iii) the assigning Party's Working Interest in the Property as to the Marcellus Formation; provided that if the Working Interest varies as to different areas within any tracts or parcels burdened by such Property, a separate calculation shall be done for each area.

"NRI Acres" means, as computed separately with respect to each Property, the (i) Net Working Interest Acreage, multiplied by (ii) the Party's Net Revenue Interest.

"Working Interest" means with respect to any Property, the interest in and to such Property that is burdened with the obligation to bear and pay costs and expenses of maintenance, development and operations on or in connection with such Property (but taking into account any depth restrictions applicable to such Property), but without regard to the effect of any royalties, overriding royalties, production payments, net profits interests and other similar burdens upon, measured by or payable out of production therefrom.

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EXHIBIT A
to Letter Agreement by and between EQT Production Company and CNX Gas Company LLC Leases

Property Type	Agreement No.	Original Grantor	Original Grantee	Effective Date	Agreement Gross Acres	Conveyed Gross	Conveyed Net	BK/PG Instrument No.	District	County	State	Requested Tax Parcel ID
Deed	289596001	ELIZABETH ANN THORN	CONSOLIDATION COAL COMPANY	06-26-2007	6.22	4.1750	0.868	1026/541	Mannington	Marion	WEST VIRGINIA	12-49-12.1
Deed	289596002	MARY LOU THORNE JONES	CONSOLIDATION COAL COMPANY	06-26-2007	6.22	4.1750	0.868	1026/532	Mannington	Marion	WEST VIRGINIA	12-49-12.1
Deed	289596003	PERRY R THORNE SR ET AL	CONSOLIDATION COAL COMPANY	06-19-2007	6.22	4.1750	1.736	1025/622	Mannington	Marion	WEST VIRGINIA	12-49-12.1
Deed	289662001	JEFFREY HOOVER MICHAEL	CONSOLIDATION COAL COMPANY	07-16-2012	4.175	4.1750	0.697	1117/89	Mannington	Marion	WEST VIRGINIA	12-49-12.1
Deed	112785000	ALYCE R DEVORE	CONSOLIDATED GAS SUPPLY CO	2/28/1975	100.000	100.0000	100.000	858/744	Mannington	Marion	WEST VIRGINIA	12-44-21, 12-44-22, 12-44-22.2
Deed	289766000	EUGENE C SERAFINO ET UX	CONSOLIDATION COAL COMPANY	12-08-2011	40.000	40.0000	29.62963	1101/787	Mannington	Marion	WEST VIRGINIA	12-44-20

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EXHIBIT B

**To Letter Agreement by and between
EQT Production Company and CNX Gas Company LLC**

FORM OF ASSIGNMENT

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ASSIGNMENT OF OIL AND GAS LEASES

This **ASSIGNMENT OF OIL AND GAS LEASES** (this "**Assignment**"), is made on _____, _____ (the "**Effective Date**"), by and between [Assignor Entity], a [Assignor Entity type], whose address is [Assignor address] ("**Assignor**"), and [Assignee Entity], a [Assignee Entity type], whose address is [Assignee address] ("**Assignee**"). Assignor and Assignee are sometimes referred to together herein as the "**Parties**", and individually as a "**Party**". All references in this Assignment to "Assignor," "Assignee," "Party," or "Parties" shall be deemed at all times to include each and every successor, assign, affiliate, subsidiary, or internal partner taking by, through, or under any of the above-named entities.

WHEREAS, Assignor is the lessee or successor lessee of record of oil and gas rights, and title and interest in, to, and under those oil and gas lease(s) as the same may have been previously or will in the future be modified, extended, or amended (the "**Lease**" or "**Leases**"), covering certain tracts of land (the "**Lands**") located in _____ County, _____, such Leases and Lands covered thereby being more particularly described on **Exhibit A** attached hereto and made a part hereof; and

WHEREAS, Assignor desires to assign certain rights under the Leases, as more particularly described herein;

NOW, THEREFORE, for and in consideration of TEN AND NO/100 DOLLARS (\$10.00) and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby **GRANT, BARGAIN, ASSIGN, TRANSFER, AND CONVEY** unto Assignee the following "**Assigned Rights**":

- (a) all of Assignor's right, title and interest **in and to and only to** the Target Formation (defined below) under the portions of the Leases identified by tax map parcel

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number as “Conveyed Interests” on Exhibit A, but specifically excluding the Excluded Assets (defined below);

- (b) all rights of whatever kind or nature, including both implied and express rights granted under such Leases to the extent necessary or convenient for the ownership, exploration, drilling, development, and/or operation of the Target Formation, and management of Assignee’s assigned rights under the Leases, including, without limitation, any pooling or unitization, any ability to shut-in a well(s), and the non-exclusive access rights to conduct seismic, geophysical, and other investigations, install pipelines, roadways, surface locations, water and/or power lines, impoundments, structures, tanks, gas gathering and/or metering facilities, and any other related facilities, but specifically excluding the Excluded Assets; and
- (c) any other rights, properties, or interests relating to, or necessary in connection with the ownership, development, and/or operation of the Target Formation, and management of Assignee’s Assigned Rights, but specifically excluding the Excluded Assets.

For purposes of this Assignment, Target Formation means the geological formation commonly known as the [Marcellus Formation/Utica Formation], which is defined for purposes of this Assignment as [insert relevant definition from Trade Agreement based on Target Formation and location of Lease(s) being assigned].

This Assignment excludes, and Assignor hereby excepts and reserves to itself and its successors and assigns, the following: (i) all formations and depths outside of the Target Formation (the “Retained Formations”); (ii) all existing wells, well lines and associated facilities on the Leases (the “Wells and Facilities”); and (iii) all rights of whatever kind relating to, or necessary or convenient in connection with, the ownership and operation of the Retained Formations and Wells and Facilities, including drilling, development for oil and gas, production, maintenance, operation, repair, replacement, reworking, plugging, non-exclusive access rights and rights to install pipelines (the foregoing subsections (i), (ii), and (iii) being the “Excluded Assets”).

This Assignment is further made subject to the following:

1. **PRIMARY TERM – SECONDARY TERM.** This Assignment shall continue in force for five (5) years from and after the Effective Date hereof (hereinafter, “Primary Term”), and so long thereafter as there is a well capable of producing in paying quantities from the Target Formation underlying said Leases and Lands or from land(s) pooled or unitized therewith, or as long as Operations (as defined below) are continuously prosecuted as provided below with respect to the Target Formation of the Leases and Lands or from land(s) pooled or unitized therewith, which extended term shall be referred to as the “Secondary Term.” As used in this Assignment, the term “Operations” includes the following activities: operations for the drilling of a new well, the reworking, deepening, or plugging back of a well, or any other operations conducted in an effort to obtain or reestablish production of oil and gas from the Target Formation of the Leases and Lands and/or other lands pooled or unitized therewith. Operations shall be deemed to have commenced when the first earthwork (not including any preparatory, incidental, or related work such as surveying or

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staking the location) is initiated for such Operations. Operations shall be considered to be "**continuously prosecuted**" if not more than one hundred eighty (180) days shall lapse between Operations; **provided, however**, that a well must be completed within one hundred eighty (180) days after expiration of the Primary Term and producing in paying quantities from the Target Formation within eighteen (18) months after the expiration of the Primary Term, and that such well will be situated within a recorded unit that will include some or all of the Leases and Lands.

- (a) **RIGHT TO EXTEND PRIMARY TERM.** Assignee may, at its option, extend the Primary Term before it expires for an additional five (5) years for any or all of the Leases by making to Assignor a payment in the amount specified in the Trade Agreement (defined below) per net mineral acre of the Leases for which the Assignment is so extended. The Primary Term shall be extended during the pendency of any lawsuit brought by any Lessor or Assignor seeking (i) an injunction preventing Assignee from exploring for, drilling, or producing oil and gas or (ii) a declaration that the Assignment or an underlying Lease is terminated, void, or voidable.
- (b) **REVERSIONARY RIGHTS AND RETAINED ACREAGE.** A well located on or Operations continuously prosecuted with respect to a pooled unit authorized by a Lease shall maintain this Assignment only as to those Leases and Lands or portions thereof included in any such unit. At the expiration of the Primary Term, this Assignment shall terminate as to all non-pooled Leases and Lands, or portions thereof, unless said non-pooled acreage is subject to Operations or payment of shut-in royalty payments in accordance with the terms of the respective Lease. Upon the expiration of the Primary Term, this Assignment, and all rights, titles, and interest assigned hereby, shall cease and terminate as to the Leases or portions thereof for which the Secondary Term has not taken effect, and such Leases or portions thereof shall be deemed to automatically revert to Assignor herein, **SAVE AND EXCEPT** only for any obligations, responsibilities, and/or liability of Assignee which are stipulated to survive termination.
2. **TRANSFER TAXES / RECORDING FEES.** Assignee agrees to pay any and all fees and taxes (including recording, real estate transfer, excise, and documentary) in connection with the filing and recording of this Assignment in the appropriate county records, and to thereafter promptly forward copies of the recorded Assignment to Assignor.
3. **SPECIAL WARRANTY OF TITLE.** Assignor specially warrants that the Leases are free and clear of encumbrances (except Permitted Encumbrances (as defined in the Trade Agreement)) caused or created by, through or under Assignor, and shall forever defend title to the Leases against lawful claims brought by any third party claiming by, through or under Assignor, but not otherwise.
4. **AMENDMENT OF LEASES.** While this Assignment remains in effect as to a Lease, Assignee shall have the right to ratify, amend or modify that Lease or particular terms thereof by agreement with the then-current lessor(s) under the Lease without further consent or permission of Assignor, and Assignor shall be bound by any such amendment or modification in the event that the Primary Term and, if applicable, Secondary term of this Assignment terminates with respect to such Lease; provided, however, that any such

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amendment or modification shall not impact or diminish the Assignor's interest in the Excluded Assets.

5. **INDEMNIFICATION.** The Parties hereby acknowledge and agree that under the Trade Agreement, but subject to the limitations and other provisions thereof, each Party may have certain indemnity obligations to the other Party with respect to their respective ownership or operation of the Leases.
6. **ASSIGNMENTS.** This Assignment and all of the conditions, covenants, and terms hereof shall extend to and bind the respective successors and assigns of Assignor and Assignee. The rights of either Party under this Assignment may be assigned in whole or in part and the provisions of this Assignment shall extend to and be binding upon their respective successors and assigns; **provided, however,** that Assignee shall notify Assignor in writing if Assignee assigns or transfers all or any portion of this Assignment and (i) such notification to Assignor shall be made within thirty (30) days after the effective date of any such transfer, (ii) all assignments and/or transfers shall specifically provide that the same are subject to the provisions of this Assignment, and (iii) Assignee shall provide Assignor with a copy of the assignment or other documentation evidencing the transfer with the notice described in subsection (i) above.
7. **THIRD-PARTY BENEFICIARIES.** Nothing contained herein is intended or shall be deemed to create or confer any rights upon any third person or entity not party hereto, whether as a third-party beneficiary or otherwise, except as expressly provided herein; nor shall anything contained herein be construed to create any partnership (tax or otherwise), agency, joint venture, or like relationship between Assignee and Assignor.
8. **HEADINGS.** All paragraph headings contained in this Assignment are for convenience only and shall not be considered in the interpretation of the terms or provisions hereof.
9. **COUNTERPARTS.** This Assignment may be executed in counterparts, each of which shall be deemed an original instrument, but all such counterparts together shall constitute but one agreement.
10. **SEVERABILITY.** It is the intent of the Parties that the provisions contained in this Assignment shall be severable. Should the whole or any portion of a provision be held void or invalid, as a matter of law, such holding shall not affect other portions thereof which can be given effect without the invalid or void portion.
11. **FURTHER ASSURANCES.** Assignor and Assignee shall execute and deliver all such other additional instruments, notices, releases, and/or other documents, and shall do such other acts and things, as may be necessary to assign to Assignee or its successors or assigns all of the respective rights, titles, and interests herein and hereby granted or intended to be granted and to comply with any of the provisions hereof.
12. **BINDING AGREEMENT.** This Assignment shall be binding upon, and shall inure to the benefit of, each of the Parties and each of their respective affiliates, representatives, successors, and/or permitted assigns.

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TO HAVE AND TO HOLD the Assigned Rights unto Assignee, its successors and assigns. The foregoing provisions shall be covenants running with the Leases and Lands covered hereby and shall inure to the benefit of and are binding upon each Party and each successor, assign, affiliate, subsidiary, or internal partner taking by, through, or under the Parties.

[Signature/acknowledgment pages follow]

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IN WITNESS WHEREOF, the Parties have caused this Assignment to be properly executed the day and year shown in the acknowledgments below, but effective for all purposes as of the Effective Date.

ASSIGNOR:

[ASSIGNOR ENTITY]

By: _____

Name:

Title:

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF _____ :

The foregoing instrument was acknowledged before me on _____,
_____, by _____ as _____, who represents that he/she is
authorized to act on behalf of _____.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public

My commission expires: _____

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ASSIGNEE:

[ASSIGNEE ENTITY]

By: _____

Name:

Title:

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF _____ :

The foregoing instrument was acknowledged before me on _____,
_____, by _____ as _____, who represents that he/she is
authorized to act on behalf of _____.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public

My commission expires: _____

After recording, return to:

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EXHIBIT C

**To Letter Agreement by and between
EQT Production Company and CNX Gas Company LLC**

FORM OF NEW LEASE

NON-SURFACE USE OIL AND GAS LEASE

This **NON-SURFACE USE OIL AND GAS LEASE** (this "**Lease**") is made and entered into as of _____, _____ (the "**Effective Date**"), by and between:

Lessor:

Lessee:

(each a "**Party**," and together, the "**Parties**").

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1. **Lease Grant.** Lessor, for and in consideration of the sum of Ten Dollars (\$10.00), the payment of the royalties and the performance of the additional covenants expressed herein, hereby **GRANTS, DEMISES, LEASES AND LETS** exclusively unto Lessee, subject to the conditions, exceptions, and reservations hereinafter stated, all right, title and interest of Lessor **to and only to** the Target Formation (as defined below) and the Oil and Gas Rights (as defined below) underlying or within those certain tracts or parcels of land situate in _____ County, _____, identified on **Exhibit A** hereto (the "**Leased Premises**").

2. For all purposes of this Lease, references to oil and gas or either or both of them shall mean oil, or gas, or both, and all substances which are constituents of or produced with oil or gas, whether similar or dissimilar or produced in a gaseous, liquid, or solid state, except that it shall not include coalbed methane.

a. "**Marcellus Formation**" means those depths and formations from 500' above the top of the Tully Limestone formation to 200' below the top of the Onondaga Limestone formation. For purposes of this Lease, the top of the Tully Limestone formation is defined as the correlative stratigraphic equivalent to that point found at 7,398' measured depth as seen in the J. Burley #1 Well (API 47-051-00539) located in Marshall County, West Virginia (the "**J. Burley #1 Well**"), and the top of the Onondaga Limestone formation is defined as the correlative stratigraphic equivalent to that point found at 7,577' measured depth as seen in the J. Burley #1 Well.

b. "**Target Formation**" means the [Marcellus Formation].

c. "**Oil and Gas Rights**": Lessor further grants Lessee, insofar as the same are owned or controlled by Lessor, any and all rights necessary or convenient to explore for, develop, produce,

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market and sell all oil, natural gas, natural gas liquids, condensate, casinghead gas and other liquefied or gaseous hydrocarbons or products ("**Hydrocarbons**") contained within the Target Formation, including, but not limited to, the sole and exclusive right and privilege of:

- i. Conducting geological, geophysical and other exploratory work necessary to develop and produce Hydrocarbons within the Target Formation;
- ii. Exploring, stimulating, investigating, prospecting and drilling (either horizontally, vertically or directionally) for Hydrocarbons within the Target Formation; and
- iii. Producing, operating, gathering, transporting, storing, compressing, processing, blending, treating, marketing and selling Hydrocarbons produced from the Target Formation.

3. **Term.**

a. **Primary Term.** This Lease shall remain in force for a term of five (5) years from and after the Effective Date (the "**Primary Term**"), and shall continue as long thereafter as:

- i. A well capable of producing in paying quantities from the Target Formation is located on the Leased Premises or lands pooled or unitized therewith; or
- ii. Operations (as defined below) are continuously prosecuted as provided below with respect to the Target Formation or land(s) pooled or unitized therewith.

b. **Right to Extend Primary Term.** Prior to the expiration of the Primary Term, Lessee may, at its option, extend the Primary Term for an additional five (5) years by paying to Lessor the sum of Five Thousand Dollars (\$5,000.00) per net mineral acre leased hereunder. The Primary Term shall be extended during the pendency of any lawsuit brought by Lessor seeking (i) an injunction preventing Lessee from exploring for, drilling, or producing oil and gas, or (ii) a declaration that the Lease is terminated, void, or voidable.

c. **Operations.** As used in this Lease, the term "**Operations**" includes the following activities: operations for the drilling of a new well, the reworking, deepening, plugging back of a well, or any other operations conducted in an effort to obtain or reestablish, production of oil and gas from the Target Formation and/or other lands pooled or unitized therewith. Operations shall be deemed to have commenced when the first earthwork (not including any preparatory, incidental or related work such as surveying or staking the location) is initiated for such Operations. Operations shall be considered to be "**continuously prosecuted**" if not more than one hundred eighty (180) days shall lapse between Operations; **provided, however**, that a well must be completed within one hundred eighty (180) days after expiration of the Primary Term and producing in paying quantities within eighteen (18) months after the expiration of the Primary Term, and that such well will be situated within a recorded unit that will include some or all of the Leased Premises.

d. **Partial Release Permitted.** Lessee may surrender this Lease in whole or in part at any time whatsoever. Lessee may at any time execute and deliver to Lessor or record a release covering all or any portion of the Leased Premises and thereby be relieved of all obligations thereafter to accrue as to the acreage surrendered.

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e. **Retained Rights / Excluded Rights.** It is mutually agreed between Lessee and Lessor that the following interests and rights are excluded from this Lease and are excepted and reserved to Lessor and its successors and assigns: (i) any and all existing oil and/or gas wells, well lines and associated facilities currently on the Leased Premises, together with any future wells drilled on the Leased Premises to produce formations other than the Target Formation (collectively, "**Wells and Facilities**"); (ii) all formations insofar and only insofar as said formations cover depths and formations other than the Target Formation (such depths and formations, the "**Retained Formations**"); and (iii) all rights of whatever kind relating to, or necessary or convenient in connection with, the ownership and operation of the Wells and Facilities and Retained Formations, including drilling, development for oil and gas, production, maintenance, operation, repair, replacement, reworking, plugging, and non-exclusive access rights and rights to install pipelines. This Lease shall specifically include the right to penetrate and drill through, but not stimulate or perforate, Hydrocarbon formations that are shallower than the Target Formation in order to drill and produce the Target Formation, provided that all Hydrocarbons produced by Lessee from Retained Formations shall be turned over to Lessor or as a cash equivalent calculated according to **Section 4** hereof. Further, any producing Retained Formations that are producing as a result of Lessee's Operations shall be cased and cemented at Lessee's sole expense.

4. **Rental and Royalty Payments.**

a. **Bonus Payment.** No cash or delay rental payments are required, as this Lease is considered to be paid up for the Primary Term.

b. **Reserved Interest.** Lessee shall pay to Lessor a royalty equal to eighteen percent (18%) of the gross amount realized by Lessee from all Hydrocarbons produced, sold and marketed from the Target Formation within and underlying the Leased Premises (the "**Reserved Interest**").

c. **No Deductions.** Lessee is not permitted to deduct from the Reserved Interest any costs of any kind or nature whatsoever, including, without limitation, any costs for production, heating, sweetening, gathering, dehydrating, compressing, processing, manufacturing, transporting, trucking, marketing, blending, and other costs and expenses incurred by Lessee in marketing said Hydrocarbons produced from the Target Formation.

d. **Payments.** Payments for the Reserved Interest shall be due and payable monthly to Lessor no later than the last day of the third calendar month following the calendar month in which production occurred; **provided, however,** that in the event any such payment is less than \$50.00, Lessee, at its discretion, may withhold such payment until the total due to Lessor equals or exceeds \$50.00. If Lessor owns an interest in the Leased Premises less than the entire and undivided estate herein leased, then all payments herein provided shall be paid by Lessee only in the proportion to which Lessor's interest bears to the whole and undivided estate.

e. **Shut-In Royalty.** If, at any time, any well is capable of producing Hydrocarbons in paying quantities, but is shut-in and no Hydrocarbons therefrom are sold by Lessee, the well nonetheless shall be deemed to be a well producing in paying quantities but Lessee shall be under no obligation to market such Hydrocarbons under terms, conditions or circumstances which, in Lessee's reasonable judgment, are unsatisfactory; **provided that,** if the well is shut-in for a period of ninety (90) consecutive days or longer, a shut-in royalty shall thereafter accrue at the rate of Fifty Dollars (\$50.00) per net mineral acre leased hereunder per year that is within a unit established for said well or, if no such unit is established, by the amount of net mineral acreage leased hereunder.

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f. **Shut-In Royalty Payment.** Shut-in royalties shall be payable twelve (12) months following the time such well is shut-in and thereafter annually. If the well resumes actual production before the expiration of such twelve (12) month period during which shut-in payments are accruing, payment will be on a pro-rata basis. Shut-in royalty payments shall be deemed a royalty under all provisions of this Lease.

5. **Venting Rights.** Lessee shall have no obligation to recover, and no obligation to pay the Reserved Interest on, any Hydrocarbons that may be vented by any coal operator or that may be vented by Lessee for safety purposes or to remove impurities therefrom; and Lessee shall have no obligation to recover or pay the Reserved Interest on any Hydrocarbons that may be lost during repairs to or testing of any well, or during the gathering and/or transmission of any Hydrocarbons.

6. **Pooling.**

a. **Pooling Option.** Lessee, at its option when, in Lessee's judgment, it is necessary or advisable to do so in order to develop and operate the Target Formation, may pool or unite any part or parts of the Leased Premises pursuant to a voluntary agreement or statutory authority, provided that each unit created thereby is no greater than 1,280 acres unless agreed to in writing by Lessor ("**Pooling Rights**").

b. **Pooling Rights.** Said Pooling Rights shall include, without limitation: (i) any part or parts of the Target Formation underlying the Leased Premises with any other land, lease, leases or parts thereof, and/or (ii) any part or parts of any formations, seams, zones or depths of any other land, lease or leases into one or more unit or units for the production of the Hydrocarbons from the Target Formation underlying the Leased Premises through any type of wells, including, without limitation, vertical, horizontal, or slant hole wells, primary or secondary recovery methods (including by water flooding, gas injections or injections of other substances), and/or combinations of any other drilling or recovery techniques, whether or not such drilling or recovery technique is known on the Effective Date or is developed in the future, provided that said drilling or discovery techniques do not unreasonably interfere with Lessor's ability to develop the Retained Formations.

c. **Revision Rights.** Such units may be enlarged, revised, altered or terminated in any manner whatsoever, including, without limitation, the drilling of additional wells, when, in Lessee's judgment, it is necessary or advisable to do so in order to develop and operate the Target Formation. Any alteration of a unit or units must be exercised in good faith and not for the sole purpose of holding additional acreage. Moreover, any alteration of a unit or units after the expiration of the Primary Term shall not serve to prevent application of the Pugh Clause in **Section 6(f)** hereof, providing that all acreage not pooled or unitized at the expiration of the Primary Term shall be forfeited and surrendered from this Lease.

d. **Pooling Royalty.** In the event any of the Target Formation is included within a unit as permitted hereunder, for purposes of computing the Reserved Interest, there shall be allocated to the Leased Premises within such unit a pro rata portion of the Hydrocarbons produced from the unit and such allocation shall be on an acreage basis; thus, there shall be allocated to the Leased Premises within the unit that pro rata portion of the Hydrocarbons produced from the unit which the number of surface acres included in the Leased Premises included in the unit bears to the total number of surface acres included in the unit. Royalties hereunder shall be computed on the portion of such production allocated to the Leased Premises within the unit just as though such production were from such Leased Premises.

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e. **Scope of Unit Operations.** The commencement of Operations on any such unit shall have the same force and effect in all respects as the commencement of Operations on the Leased Premises hereby leased, and Operations conducted on any such drilling unit or production of Hydrocarbons anywhere from such unit shall have the same force and effect as drilling or Operations conducted on or production obtained from the Target Formation for all purposes, including, but not limited to, the extension of the term of this Lease.

f. **Pugh Clause.** Notwithstanding anything in this Lease to the contrary, at or after the expiration of the Primary Term, production from, or accrual and/or payment of shut-in royalty Payments in accordance with **Sections 4(e)** and **4(f)** hereof in connection with, a well located on a pooled unit authorized by this Lease shall maintain this Lease only as to that portion of the Leased Premises included in any such unit, and if applicable, all conditions contained in Section 3(a) and 3(b) have been satisfied. At the expiration of the Primary Term, this Lease shall terminate as to all non-pooled acreage unless said non-pooled acreage is subject to Operations or payment of shut-in royalty payments in accordance with **Sections 4(e)** and **4(f)** hereof.

7. **Force Majeure.** If any activity or Operation permitted or required hereunder, or the performance by Lessee of any covenant, agreement or requirement herein provided, is delayed, prevented or interrupted by any order, enactment, amendment, regulation or requirement of the Government of the United States or any state or other governmental body, or any agency, officer, representative or authority of any of them, or war, armed hostilities, terrorism, act of God, labor disturbance, strike, civil disturbance, shortage of equipment or materials, fire, explosion, or flood (any one or more of which shall be referred to as "**force majeure**"), the period of such delay or interruption shall not be counted against Lessee; and the passage of time under this Lease shall automatically be tolled and extended during such period of *force majeure* and for a period of two (2) months thereafter. Lessee shall not be liable to Lessor in damages for failure to perform any Operations, or failure to produce Hydrocarbons, or failure to perform any other covenant, agreement or requirement of this Lease, during such period of *force majeure*. Lessee shall be relieved from all obligations under this Lease during the continuance of such *force majeure*, except for the obligation to pay the Reserved Interest due for Hydrocarbons produced, marketed and sold prior to the commencement of or during such *force majeure*.

8. **Title.**

a. **No Warranty.** This Lease, and the rights granted herein, are made and accepted without any warranty of title. Lessor has not and does not make warranty as to the Leased Premises, whether express, implied, or statutory, and this Lease is made "As-Is, Where-Is" with all faults and without recourse to Lessor. This Lease is made subject to (i) all instruments of title or other documents of record and (ii) all reservations, restrictions and conditions contained or referred to in prior deeds, leases, license, easements, rights of way, encumbrances, pledges, instruments, and other title documents of record affect or pertain to the Leased Rights and the rights of the surface owners. Lessee expressly assumes the obligation in determining the sufficiency of the title of Lessor to the Leased Rights granted hereunder and release Lessor for any liability with respect to any failure of title.

b. **Adverse Claims.** In the event of any question, claim or controversy inconsistent with Lessor's title to or ownership of the Target Formation or any notice of an adverse claim affecting all or any part of the payments due hereunder, Lessee may suspend the payment of the Reserved Interest (including shut-in royalties) by keeping them in an interest-bearing escrow

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account until final judicial determination of such question, claim or controversy, and then distribute the same, including interest, among those lawfully entitled thereto.

c. **Liens.** Lessee may, at its option, pay, discharge and/or redeem any overdue tax, mortgage or other lien owed by, or claimed to be due from, Lessor bearing upon the Target Formation or the Hydrocarbons recoverable therefrom; and, in the event of any such payment or redemption, Lessee may reimburse itself out of the Reserved Interest thereafter accruing hereunder.

d. **Lesser Interest.** If Lessor owns an interest in the Hydrocarbons covered within the Target Formation that is less than the entire undivided Hydrocarbon ownership interest therein, then the Reserved Interest and other payments to be paid to Lessor shall be reduced or adjusted in proportion to Lessor's interest in such Hydrocarbons.

e. **Ownership Change.** No change of ownership of the Leased Premises, or any interest therein or in the right to receive the Reserved Interest or other payments hereunder, shall be binding on Lessee until thirty (30) days after Lessee has been furnished with written evidence reasonably satisfactory to Lessee of such change of ownership or right to receive payments.

f. **Divided Ownership.** If the Leased Premises should be owned in severalty or in separate tracts, the Hydrocarbons attributable to the Leased Premises nevertheless may be developed and operated by Lessee as one lease; and all of the Reserved Interest and payments provided for hereunder shall be divided among, and paid to, such separate owners in the proportion that the acreage owned by such separate owner bears to the entire leased acreage.

9. **Breach.** In addition to any other grounds provided by law or equity, upon Lessee's failure to pay royalties on any or all production as provided in **Section 4** hereof (within the prescribed payment period) to Lessor, and upon written notice by certified mail by Lessor to Lessee of non-payment of royalties. Lessee shall have thirty (30) days after receipt of said notice within which to satisfy the non-payment (the "**Cure Date**"); **provided, however**, that five percent (5%) compounded annual interest, calculated from the Cure Date, shall be paid to Lessor by Lessee. At Lessor's option, all payments received shall be applied first to any outstanding interest due on prior late paid royalties, then to any prior outstanding unpaid royalties, and then to any current royalties due. No notations on the remittance statements or provisions in any division order shall be deemed to amend this **Section 9**. The foregoing interest shall not apply to any royalties withheld by Lessee in good faith as a result of a pending dispute or otherwise unless such sums have been duly adjudicated as having been due.

10. **Severability.** This Lease is intended by the Parties to be in conformity with all applicable and valid federal, state, local and cross-jurisdictional laws and those rules or regulations promulgated thereunder having the force and effect of law which are in effect on the Effective Date. Should any part of this Lease, or any provision herein contained, be rendered or declared invalid by reason of any existing or subsequently enacted federal, state, local and cross-jurisdictional laws and those rules or regulations promulgated thereunder, or by a decree or order of any court of competent jurisdiction, such invalidation of such part or portion of this Lease shall not invalidate the remaining portions hereof, and such remaining parts or provisions shall remain in full force and effect.

11. **Assignment.** This Lease and all of the conditions, covenants, and terms hereof shall extend to and bind the respective successors and assigns of Lessor and Lessee. The rights of either Party under this Lease may be assigned in whole or in part and the provisions of this Lease shall extend to and be binding upon their respective successors and

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assigns; **provided, however,** that Lessee shall notify Lessor in writing if Lessee assigns or transfers all or any portion of this Lease and (i) such notification to Lessor shall be made within thirty (30) days after the effective date of any such transfer, (ii) all assignments and/or transfers shall specifically provide that the same are subject to the provisions of this Lease, and (iii) Lessee shall provide Lessor with a copy of the assignment or other documentation evidencing the transfer with the notice described in subsection (i) above.

12. **Manner of Operations.** All Operations shall and must be conducted in good faith, with reasonable diligence, with adequate equipment, and in a good and workmanlike manner, in keeping with the standard of conduct of a reasonably prudent operator, and shall comply with all federal, state, local and cross-jurisdictional laws, rules, orders and regulations of any and all governmental authorities having jurisdiction over the same. Lessee shall comply with all federal, state, local and cross-jurisdictional laws, regulations and orders pertaining to reporting the Hydrocarbons produced from the Leased Premises and the proceeds derived from the sale thereof, and shall timely provide to Lessor all information required by any federal, state, local and cross-jurisdictional law, regulation or order in order to enable Lessor to verify the gross production, disposition and sales price of the Hydrocarbons produced from the Leased Premises and lands pooled or unitized therewith.

13. **Division Orders.** Neither the acceptance of royalties, rentals, shut-in royalties, or other payments by Lessor (regardless of any notation thereon or instrument accompanying same), nor Lessor's execution of any division order or transfer order or similar instrument, shall ever constitute or be deemed to effect (a) a ratification, renewal or amendment of this Lease or of any pooled unit designation filed by Lessee purporting to exercise any pooling rights granted to Lessee in this Lease, or (b) a waiver of the rights granted to Lessor, or the obligations imposed upon Lessee, express or implied, by the terms of this Lease, or remedies for Lessee's breach thereof, or (c) an estoppel against Lessor preventing Lessor from enforcing Lessor's rights or Lessee's obligations hereunder, express or implied, or from seeking damages for Lessee's breach thereof. Lessor's agreement to accept royalties from any purchaser shall not affect Lessee's obligation to pay royalties pursuant to this Lease. No instrument executed by Lessor shall be effective to constitute a ratification, renewal, extension, or amendment of this Lease unless the instrument is clearly titled to indicate its purpose and intent. It shall not be necessary for Lessor to execute any division or transfer order in order to be entitled to payment of royalties due under this Lease.

14. **Removal of Fixtures.** Lessee shall have the right at any time, and from time to time before expiration or termination of this Lease, to remove all fixtures installed by Lessee on the Leased Premises, including the right to draw and remove casing, except that coal protection casing will not be removed without Lessor's prior written consent or unless required by applicable law.

15. **No Storage.** Lessee shall have no right to use any stratum or strata underlying the Leased Premises, or any part thereof, for the storage or disposal of any Hydrocarbons or other liquids.

16. **Counterparts.** This Lease may be executed by Lessor and Lessee in any number of counterparts, each of which shall be deemed an original instrument, but all of which collectively shall constitute one and the same instrument; provided that neither of the Parties shall be bound to this Lease unless and until all Parties have executed a counterpart.

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17. **Notices.** All notices and/or payments necessary to be given under the terms of this Lease shall be directed to each Party at the Party's address on the first page of this Lease or to such other address as each such Party may designate in writing to the other Party, and the receipt of any such notice with postage prepaid shall be notice to the addressees of the contents of such writing.

18. **Lease Execution.** Lessor and Lessee further agree that this Lease shall not be considered fully executed until such time as Lessee's corporate representative with full and proper authority to contractually bind Lessee has fully, validly and properly affixed his or her signature to this Lease and the Lease has been notarized with respect to such signature.

19. **No Surface Use.** This is a non-surface use Lease. Accordingly, Lessee shall not conduct any operations on the surface above the Leased Premises without the separate written consent of the surface owner (whether Lessor or a third party).

20. **Memorandum of Lease.** The Parties acknowledge that Lessee shall be responsible for recording a Memorandum of Non-Surface Use Oil and Gas Lease and shall bear any costs associated with such recording. Lessee shall deliver to Lessor a copy of such memorandum as so recorded promptly following Lessee's receipt thereof. Upon the expiration or termination of this Lease, Lessee shall promptly deliver to Lessor a recordable termination of the aforementioned memorandum.

[Signature/acknowledgment pages follow]

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IN WITNESS WHEREOF, the Parties have executed this Lease effective as of the Effective Date (regardless of whether executed by either Party prior to, on or after the Effective Date).

LESSOR:

[LESSOR ENTITY]

By: _____
Name:
Title:

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF _____ :

The foregoing instrument was acknowledged before me on _____, _____,
by _____ as _____, who represents that he/she is authorized to act
on behalf of _____.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public
My commission expires: _____

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LESSEE:

[LESSEE ENTITY]

By: _____
Name:
Title:

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF _____ :

The foregoing instrument was acknowledged before me on _____,
by _____ as _____, who represents that he/she is authorized to act
on behalf of _____.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Notary Public
My commission expires: _____

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