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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, April 17, 2020  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

NORTHEAST NATURAL ENERGY LLC  
707 VIRGINIA STREET EAST  
STE 1200  
CHARLESTON, WV 25301

Re: Permit Modification Approval for CUMMINS 6H  
47-061-01837-00-00

NORTHEAST NATURAL ENERGY LLC

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.

James A. Martin  
Chief

Operator's Well Number: CUMMINS 6H  
Farm Name: JERRY L. YOST ET AL  
U.S. WELL NUMBER: 47-061-01837-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 4/16/2020

Promoting a healthy environment.

WW-6B  
(04/15)

4706101837  
API NO. 47-\_\_\_\_\_-\_\_\_\_\_  
OPERATOR WELL NO. 6H  
Well Pad Name: Cummins

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

1) Well Operator: Northeast Natural Energy 494498281 Monongalia Clay Blacksville, WV  
Operator ID County District Quadrangle

2) Operator's Well Number: 6H Well Pad Name: Cummins

3) Farm Name/Surface Owner: Jerry L Yost et al Public Road Access: CR 25/3 (Yank Hollow Rd.)

4) Elevation, current ground: 1360' Elevation, proposed post-construction: 1358'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_

Horizontal

6) Existing Pad: Yes or No No *MDK 2/25/2020*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus; 8,073', 101', 3,600 psi

8) Proposed Total Vertical Depth: 8,070'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 16,156'

11) Proposed Horizontal Leg Length: 7,604'

12) Approximate Fresh Water Strata Depths: 50'; 1,250'

13) Method to Determine Fresh Water Depths: Drillers Log from offset wells

14) Approximate Saltwater Depths: 1,648'; 2,408'

15) Approximate Coal Seam Depths: 1,248'

16) Approximate Depth to Possible Void (coal mine, karst, other): NA

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: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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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	24"	New	NA	94.71	40'	40'	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,330'	1,300'	CTS
Coal							
Intermediate	9-5/8"	New	J-55	40	2,488'	2,458'	CTS
Production	5-1/2"	New	P-110	20	16,156"	16,126'	3704 Cu Ft
Tubing	2-7/8"	New	N-80	6.5			NA
Liners							

*MJK 2/25/2020*

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	24"	30"	.375	415		4,500 pst grout	NA
Fresh Water	13-3/8"	17 1/2"	.38"	2,760	2,000	Type 1	1.18
Coal							
Intermediate	9-5/8"	12 1/4"	.395"	3,950	3,000	Type 1	1.18
Production	5-1/2"	8-3/4"	.361"	12,530	9,700	50:50 Poz	1.21
Tubing	2-7/8"	NA	.271"	10,570	3,600	NA	NA
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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WW-6B  
(10/14)

API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. 6H  
Well Pad Name: Cummins

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

Drilling and completion of a horizontal Marcellus well. The well was previously drilled to a depth of 6,200' TVD/MD. The well will be cemented back to 4,500' and redrilled from the KOP to approximately 8,070' TVD/16,156' TMD along a 323° azimuth.

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

Multi-stage / high-rate slickwater fracture treatment using various size sands as proppant. First stage will be initiated via pressurization against a burst disc ran in the production casing string or perforated with coiled tubing. Subsequent stages will be perforated with pumped down guns ran on wireline. Individual stages will be isolated with composite frac plugs. Maximum pump rate during any stage will be 110 BPM with a maximum allowable surface pressure of 9,500 PSI. Composite bridge plugs will be set at the end of the last stage to isolate the treated formation.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 40.42 ac

22) Area to be disturbed for well pad only, less access road (acres): 11.99 ac

23) Describe centralizer placement for each casing string:

Surface and intermediate casing strings will have bow spring centralizers placed every third joint (~120') from the shoe joint to surface. Production casing will have rigid body centralizers placed at a minimum of every fourth joint (~160') from TD to surface.

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

Surface string cement will be a Type 1 + Max 3% bwoc Calcium Chloride Fresh Water blend. Intermediate string cement will be a Type 1 Cement + Max 3% bwoc Calcium Chloride + Fresh Water. Production string cement will be (50:50) Poz (Fly Ash):Type I Cement with a gas migration additive.

25) Proposed borehole conditioning procedures:

Surface string will use a 25.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Intermediate string will use a 25.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Production string will use a 50.0 bbls SealBond 25 + 1 gal/bbl US-40 + 275 lbs/bbl Barite + 1 gal/bbl SS-2 Spacer @ 13.5 ppg prior to cement.

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\*Note: Attach additional sheets as needed.

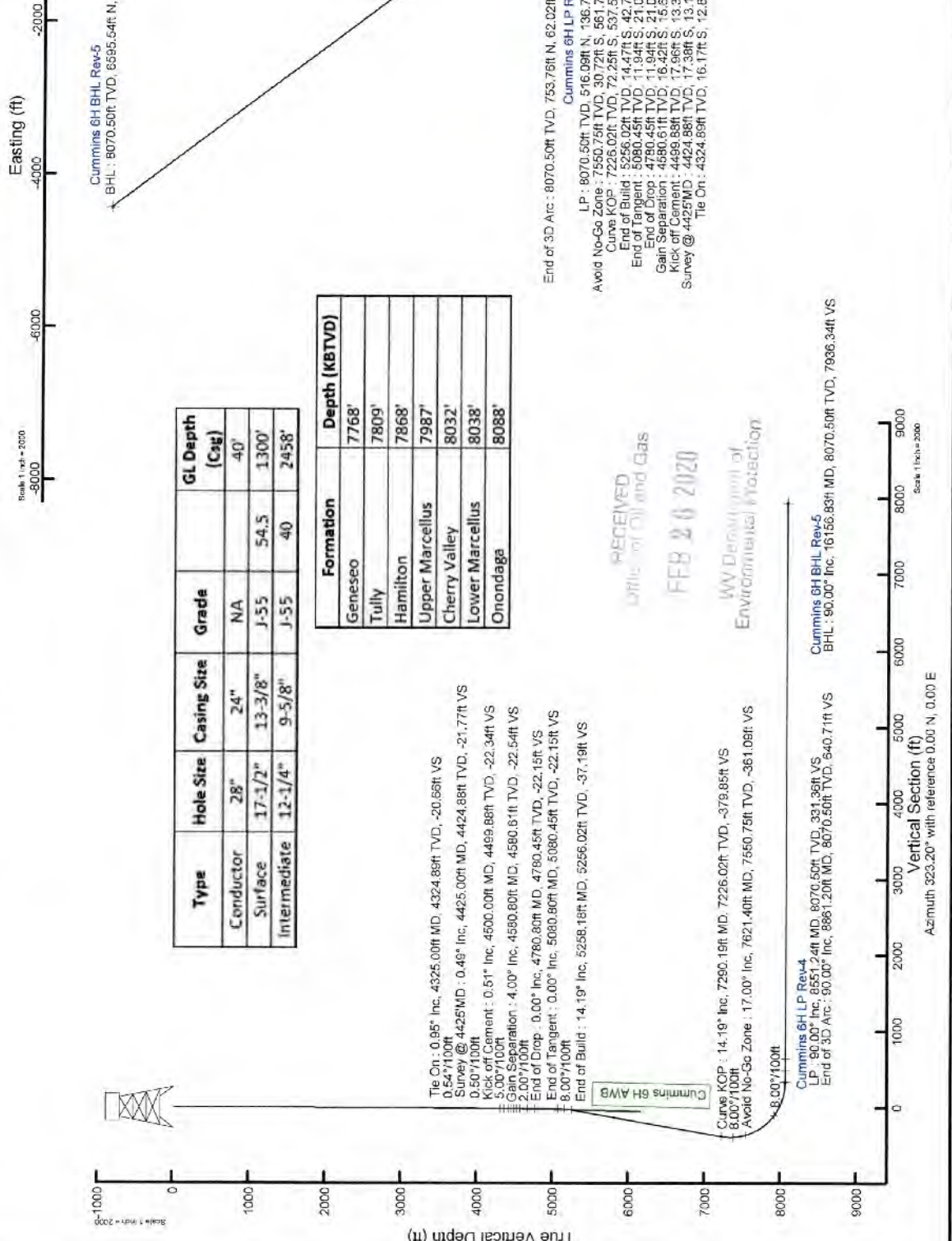


# NORTHEAST NATURAL ENERGY, LLC

Location: Monongalia County, WV  
 Field: Monongalia  
 Facility: Cummins Pad

Slot: Slot #06  
 Well: Cummins 6H ST01  
 Wellbore: Cummins 6H ST01 PWB

File reference wellbore is Cummins 6H ST01 PWB Rev-3	Grid System: NAD83 (Lambert West Virginia Spher. Northam Zone, 4700), US feet
True vertical depths are referenced to Pullman 334 KRF	North Reference: Grid north
Reference wellbore measured depths are referenced to Pullman 334 KRF	Scale: True distance
Pullman 334 (40) to Mean Sea Level: 1303 feet	Coordinate are in feet referenced to ellipsoid
Mean Sea Level to Ground level (at Slot: Slot #06) = 1326 feet	Depths are in feet
Offset wellbore IDs are referenced to each party's defined MD datum	Checked for depths on 2020-02-05; Database: WVA_MPL_EASTERNUG_Data



Type	Hole Size	Casing Size	Grade	GI Depth (Csg)
Conductor	28"	24"	NA	40'
Surface	17-1/2"	13-3/8"	J-55	1300'
Intermediate	12-1/4"	9-5/8"	J-55	40
				2458'

Formation	Depth (KBTVD)
Genesee	7768'
Tully	7809'
Hamilton	7868'
Upper Marcellus	7987'
Cherry Valley	8032'
Lower Marcellus	8038'
Onondaga	8088'

Tie On: 0.85° Inc. 4325.00ft MD, 4324.88ft TVD, -20.68ft VS  
 0.54°/100ft  
 Survey @ 4425MD: 0.48° Inc. 4425.00ft MD, 4424.88ft TVD, -21.77ft VS  
 0.50°/100ft  
 Kick off Cement: 0.51° Inc. 4500.00ft MD, 4499.88ft TVD, -22.34ft VS  
 5.00°/100ft  
 Gain Separation: 4.00° Inc. 4580.80ft MD, 4580.61ft TVD, -22.54ft VS  
 2.00°/100ft  
 End of Drop: 0.60° Inc. 4780.80ft MD, 4780.45ft TVD, -22.15ft VS  
 End of Tangent: 0.00° Inc. 5080.80ft MD, 5080.45ft TVD, -22.15ft VS  
 8.00°/100ft  
 End of Build: 14.19° Inc. 5258.18ft MD, 5256.02ft TVD, -37.19ft VS

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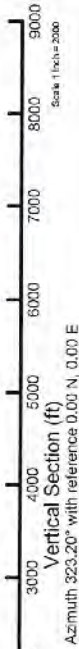
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Curve KOP: 14.19° Inc. 7290.18ft MD, 7226.02ft TVD, -378.85ft VS  
 8.00°/100ft  
 Avoid No-Go Zone: 17.00° Inc. 7621.40ft MD, 7550.75ft TVD, -361.06ft VS

Cummins 6H LP Rev-4  
 LP: 90.00° Inc. 8551.24ft MD, 8070.50ft TVD, 331.36ft VS  
 End of 3D Arc: 90.00° Inc. 8861.20ft MD, 8070.50ft TVD, 840.71ft VS

Cummins 6H BHL Rev-5  
 BHL: 90.00° Inc. 16156.83ft MD, 8070.50ft TVD, 7936.34ft VS



End of 3D Arc: 8070.50ft TVD, 753.75ft N, 62.02ft W  
 Cummins 6H LP Rev-4  
 LP: 8070.50ft TVD, 516.08ft N, 136.71ft E  
 Avoid No-Go Zone: 7550.75ft TVD, 30.72ft S, 561.72ft E  
 Curve KOP: 7226.02ft TVD, 72.25ft S, 537.53ft E  
 End of Build: 5256.02ft TVD, 14.19° S, 32.73ft E  
 End of Tangent: 5080.45ft TVD, 11.04ft S, 21.03ft E  
 End of Drop: 4780.45ft TVD, 16.42ft S, 15.85ft E  
 Gain Separation: 4580.61ft TVD, 17.96ft S, 13.30ft E  
 Kick off Cement: 4499.88ft TVD, 17.38ft S, 13.11ft E  
 Survey @ 4425MD: 4424.88ft TVD, 16.17ft S, 12.88ft E

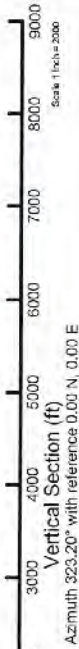
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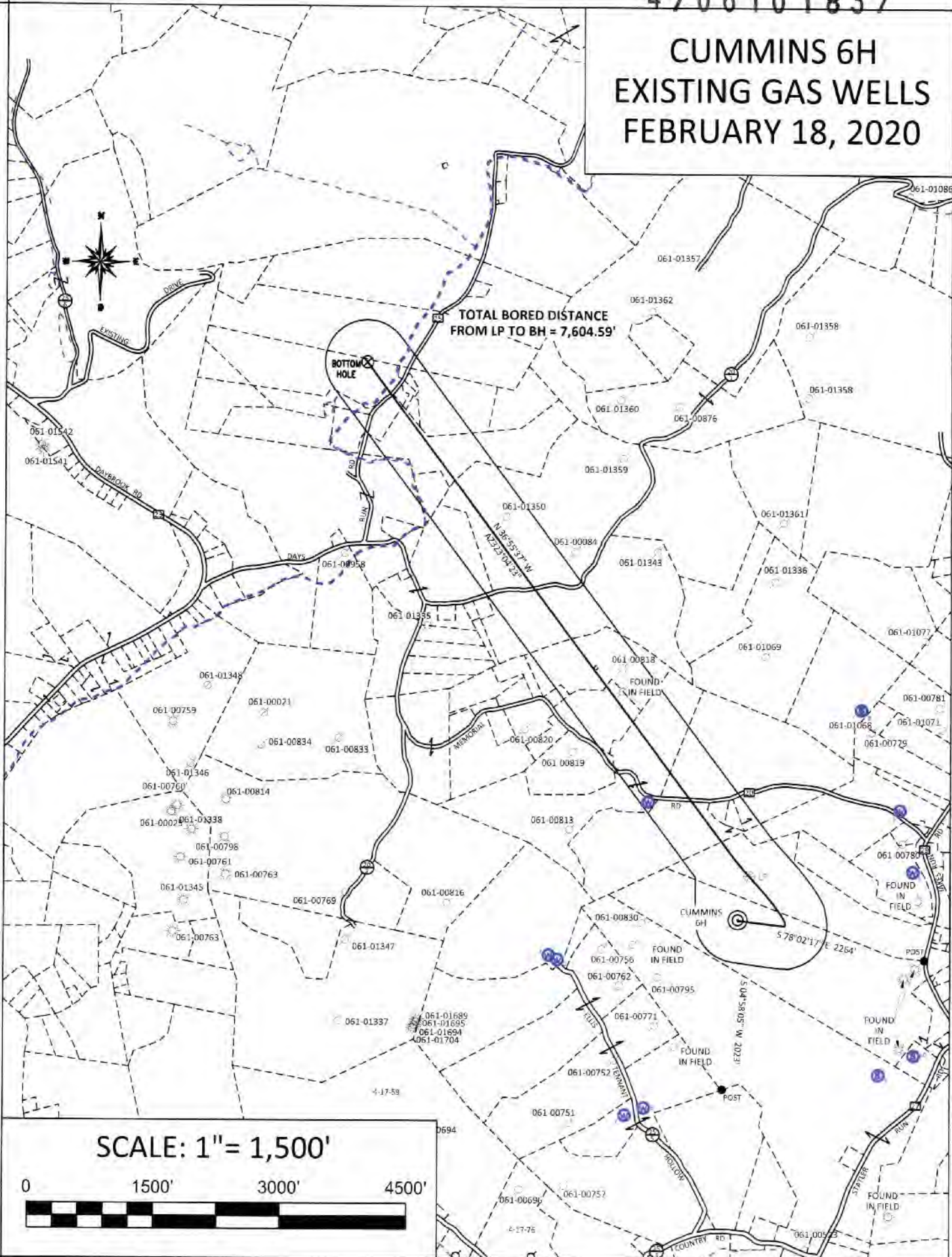
Curve KOP: 14.19° Inc. 7290.18ft MD, 7226.02ft TVD, -378.85ft VS  
 8.00°/100ft  
 Avoid No-Go Zone: 17.00° Inc. 7621.40ft MD, 7550.75ft TVD, -361.06ft VS

Cummins 6H BHL Rev-5  
 BHL: 90.00° Inc. 16156.83ft MD, 8070.50ft TVD, 7936.34ft VS



4706101837

# CUMMINS 6H EXISTING GAS WELLS FEBRUARY 18, 2020



SCALE: 1" = 1,500'



4706101837

### Cummins 6H Area of Review

API Number	Well Name	Well Number	Operator	Latitude (NAD 27)	Longitude (NAD 27)	TMP	Comments
47-061-01350	N & M V Eddy	NA	Noumenon Corp, a WV Corp	39.674984	-80.19079	4-10-72	Plugged 10/21/15
47-061-00818	R & B Wilson	NA	Consolidation Coal Co.	39.670132	-80.185787	4-10-75.3	Plugged 11/19/86
Found In Field	NA	NA	NA	NA	NA	4-10-75.6	NA

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**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

**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: Northeast Natural Energy LLC

By: Hollie Medley  
Regulatory Manager

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Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004591-002	A. Keith Michael	Northeast Natural Energy LLC	12.5% or Greater	1594	66
	WV-061-004591-001	Gregory G. Michael	Northeast Natural Energy LLC	12.5% or Greater	1595	384
	WV-061-004591-001	Jane Ann Reynolds	Northeast Natural Energy LLC	12.5% or Greater	1595	384
B	WV-061-004599-060	Diana Adamson	Northeast Natural Energy LLC	12.5% or Greater	1636	163
	WV-061-003674-017	Kenneth Arnett	Northeast Natural Energy LLC	12.5% or Greater	1562	199
	WV-061-003674-006	Robert Arnett	Northeast Natural Energy LLC	12.5% or Greater	1550	487
	WV-061-003674-020	W. Keith Arnett	Northeast Natural Energy LLC	12.5% or Greater	1564	673
	WV-061-004599-037	Dorothy R. Back	Northeast Natural Energy LLC	12.5% or Greater	1608	22
	WV-061-003708-006	Eileen Bane	Northeast Natural Energy LLC	12.5% or Greater	1541	303
	WV-061-003708-007	Ruby Brookover	Northeast Natural Energy LLC	12.5% or Greater	1545	774
	WV-061-003856-076	Connie Brooks	Northeast Natural Energy LLC	12.5% or Greater	1593	600
	WV-061-003674-007	Arlene L. Burke	Northeast Natural Energy LLC	12.5% or Greater	1550	491
	WV-061-004599-023	Dorothy Cheek	Northeast Natural Energy LLC	12.5% or Greater	1610	584
	WV-061-003856-078	Bonnie Chisholm	Northeast Natural Energy LLC	12.5% or Greater	1593	644
	WV-061-003856-075	Jackie Chisler	Northeast Natural Energy LLC	12.5% or Greater	1593	588
	WV-061-003856-066	Cindy Conner	Northeast Natural Energy LLC	12.5% or Greater	1589	141
	WV-061-003856-009	Frederick Conner	Northeast Natural Energy LLC	12.5% or Greater	1565	626
	WV-061-003856-072	James Conner	Northeast Natural Energy LLC	12.5% or Greater	1590	323
	WV-061-003856-008	John C. Conner	Northeast Natural Energy LLC	12.5% or Greater	1564	665
	WV-061-003856-036	Loretta Cook	Northeast Natural Energy LLC	12.5% or Greater	1579	803
	WV-061-003856-038	Paul Cook	Northeast Natural Energy LLC	12.5% or Greater	1579	815
	WV-061-003856-024	Cheryl Copeland	Northeast Natural Energy LLC	12.5% or Greater	1577	825
	WV-061-004599-017	Connie Copeland	Northeast Natural Energy LLC	12.5% or Greater	1606	750
	WV-061-004599-041	Leora Mae Sayers aka Leora Mae Corder	Northeast Natural Energy LLC	12.5% or Greater	1610	368
	WV-061-003856-044	Gloria Cox	Northeast Natural Energy LLC	12.5% or Greater	1580	182
	WV-061-003856-074	Patricia Crowley	Northeast Natural Energy LLC	12.5% or Greater	1593	668
	WV-061-004599-044	Virginia Dailey	Northeast Natural Energy LLC	12.5% or Greater	1614	791
	WV-061-003674-031	Terry Eberhart	Northeast Natural Energy LLC	12.5% or Greater	1563	206
	WV-061-003856-054	Marguerite Eddy	Northeast Natural Energy LLC	12.5% or Greater	1588	397
	WV-061-003708-013	Vada Eddy	Northeast Natural Energy LLC	12.5% or Greater	1565	556
	WV-061-003708-011	Vanessa Eddy	Northeast Natural Energy LLC	12.5% or Greater	1564	327
	WV-061-003843-001	Nellie M. Elder	Northeast Natural Energy LLC	12.5% or Greater	1564	669
	WV-061-003843-002	Nancy Elkins	Northeast Natural Energy LLC	12.5% or Greater	1564	374
	WV-061-004599-061	Jean Emory	Northeast Natural Energy LLC	12.5% or Greater	1636	739
	WV-061-004599-064	Tina Marie Tennant Flynn	Northeast Natural Energy LLC	12.5% or Greater	1643	820
	WV-061-004599-021	Sherry Irene Frazier	Northeast Natural Energy LLC	12.5% or Greater	1613	38
	WV-061-004599-065	Lois Frederick	Northeast Natural Energy LLC	12.5% or Greater	1646	45
	WV-061-003856-023	Carolyn Fullton	Northeast Natural Energy LLC	12.5% or Greater	1577	789
	WV-061-003856-011	Sandy Gatwood	Northeast Natural Energy LLC	12.5% or Greater	1557	435
	WV-061-003856-063	Tammy S. Gill	Northeast Natural Energy LLC	12.5% or Greater	1589	467
	WV-061-003856-034	Brenda Gribble	Northeast Natural Energy LLC	12.5% or Greater	1576	845
	WV-061-003856-079	Ellen J. Haines	Northeast Natural Energy LLC	12.5% or Greater	1594	600
	WV-061-004599-053	Earl Hall	Northeast Natural Energy LLC	12.5% or Greater	1619	409
	WV-061-003856-045	Richard Hamilton	Northeast Natural Energy LLC	12.5% or Greater	1580	185
	WV-061-003856-016	Curtis Harrell	Northeast Natural Energy LLC	12.5% or Greater	1562	373
	WV-061-004599-039	Billy C. Haught	Northeast Natural Energy LLC	12.5% or Greater	1619	403
	WV-061-003856-027	Michael Haught	Northeast Natural Energy LLC	12.5% or Greater	1576	831
	WV-061-003856-028	Alden Henderson	Northeast Natural Energy LLC	12.5% or Greater	1576	833
	WV-061-003674-010	Wilma Higgins	Northeast Natural Energy LLC	12.5% or Greater	1542	91
	WV-061-003856-084	Donna Huffman	Northeast Natural Energy LLC	12.5% or Greater	1607	58
	WV-061-004599-056	Helen Hull	Northeast Natural Energy LLC	12.5% or Greater	1642	57
	WV-061-004599-038	Larry D. Hull	Northeast Natural Energy LLC	12.5% or Greater	1614	788
	WV-061-003856-013	John W. Hunnell, aka, John Wayne Hunnell	Northeast Natural Energy LLC	12.5% or Greater	1565	307
	WV-061-003674-030	Dianne Hunnell	Northeast Natural Energy LLC	12.5% or Greater	1565	620
	WV-061-004599-043	Janet D. Jacobs	Northeast Natural Energy LLC	12.5% or Greater	1613	76
	WV-061-003856-004	Brian Joliff	Northeast Natural Energy LLC	12.5% or Greater	1565	612
	WV-061-003856-007	Michael Joliff	Northeast Natural Energy LLC	12.5% or Greater	1568	281
	WV-061-003856-048	Debra Kacsmar	Northeast Natural Energy LLC	12.5% or Greater	1582	64
	WV-061-003856-032	Thomas Kelley	Northeast Natural Energy LLC	12.5% or Greater	1576	841
	WV-061-004599-067	William Kelley	Northeast Natural Energy LLC	12.5% or Greater	135	462
	WV-061-004599-028	Barbara Kelley	Northeast Natural Energy LLC	12.5% or Greater	1607	270
	WV-061-003674-024	Helen Kennedy	Northeast Natural Energy LLC	12.5% or Greater	1557	365
	WV-061-004599-005	Kenneth Kiger	Northeast Natural Energy LLC	12.5% or Greater	1597	605
	WV-061-004599-004	William Kiger	Northeast Natural Energy LLC	12.5% or Greater	1597	603
	WV-061-004599-032	Judy King	Northeast Natural Energy LLC	12.5% or Greater	1607	624
	WV-061-003856-081	Donley Eugene Kisner	Northeast Natural Energy LLC	12.5% or Greater	1593	450
	WV-061-003856-082	Vickie Lynn Kisner	Northeast Natural Energy LLC	12.5% or Greater	1593	452
	WV-061-003856-056	David A. Lash	Northeast Natural Energy LLC	12.5% or Greater	1588	578
	WV-061-003856-059	Frank Lash, Jr.	Northeast Natural Energy LLC	12.5% or Greater	1588	601
	WV-061-003856-068	Joseph W. Lash	Northeast Natural Energy LLC	12.5% or Greater	1589	479
	WV-061-003856-057	Steven M. Lash	Northeast Natural Energy LLC	12.5% or Greater	1588	585
	WV-061-003856-067	Timothy S. Lash	Northeast Natural Energy LLC	12.5% or Greater	1589	476
	WV-061-004599-001	Ellen E. Tuttle Lemley	Northeast Natural Energy LLC	12.5% or Greater	1595	506
	WV-061-004599-029	Mary F. Lemley	Northeast Natural Energy LLC	12.5% or Greater	1607	618
	WV-061-003674-012	Mary Lou Lemley	Northeast Natural Energy LLC	12.5% or Greater	1550	473
	WV-061-004599-006	Linda Maran, aka, Linda Moran	Northeast Natural Energy LLC	12.5% or Greater	1602	37
	WV-061-003856-050	Gina Massie	Northeast Natural Energy LLC	12.5% or Greater	1586	18
	WV-061-003856-080	Lola Ercelene Shriver May	Northeast Natural Energy LLC	12.5% or Greater	1593	448
	WV-061-003856-026	Allen McCardle	Northeast Natural Energy LLC	12.5% or Greater	1577	804

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-003674-004	Mary R. McCullough	Northeast Natural Energy LLC	12.5% or Greater	1541	834
	WV-061-003856-077	Robert Michael	Northeast Natural Energy LLC	12.5% or Greater	1593	603
	WV-061-003856-041	Shirley Miller	Northeast Natural Energy LLC	12.5% or Greater	1578	345
	WV-061-003856-006	Debra G. Moffa	Northeast Natural Energy LLC	12.5% or Greater	1566	21
	WV-061-003674-018	Ethan D. Moore	Northeast Natural Energy LLC	12.5% or Greater	1566	295
	WV-061-003708-015	Harold W. Moore	Northeast Natural Energy LLC	12.5% or Greater	1564	380
	WV-061-004599-022	Jeff Moore	Northeast Natural Energy LLC	12.5% or Greater	1615	779
	WV-061-003856-035	Pauline Moore	Northeast Natural Energy LLC	12.5% or Greater	1576	847
	WV-061-003856-014	Velda E. Moore, f/k/a Velda Elizabeth Ten	Northeast Natural Energy LLC	12.5% or Greater	1565	676
	WV-061-004599-066	Joyce C. Murphy	Northeast Natural Energy LLC	12.5% or Greater	1648	241
	WV-061-003674-008	Nicholas Myers	Northeast Natural Energy LLC	12.5% or Greater	1550	584
	WV-061-003674-033	Deborah Netzel	Northeast Natural Energy LLC	12.5% or Greater	1568	146
	WV-061-004599-012	Glenn Nicholson	Northeast Natural Energy LLC	12.5% or Greater	1606	744
	WV-061-003708-002	Lola T. Owen	Northeast Natural Energy LLC	12.5% or Greater	1550	481
	WV-061-003674-028	Norma Panrell	Northeast Natural Energy LLC	12.5% or Greater	1564	717
	WV-061-004599-054	Lea Ann Papesch	Northeast Natural Energy LLC	12.5% or Greater	1627	325
	WV-061-003856-037	Alys Patterson	Northeast Natural Energy LLC	12.5% or Greater	1579	809
	WV-061-003856-039	Jare Patterson	Northeast Natural Energy LLC	12.5% or Greater	1579	818
	WV-061-003856-040	Ryan Patterson	Northeast Natural Energy LLC	12.5% or Greater	1579	824
	WV-061-003856-053	William Phares	Northeast Natural Energy LLC	12.5% or Greater	1588	394
	WV-061-004599-055	William Phares	Northeast Natural Energy LLC	12.5% or Greater	1634	384
	WV-061-003674-013	Donna Pifer	Northeast Natural Energy LLC	12.5% or Greater	1554	480
	WV-061-003856-052	Vivian Price	Northeast Natural Energy LLC	12.5% or Greater	1586	24
	WV-061-004599-046	Glenda Ramsey	Northeast Natural Energy LLC	12.5% or Greater	1613	82
	WV-061-003674-002	Kathy Jo Ramsey	Northeast Natural Energy LLC	12.5% or Greater	1554	482
	WV-061-003856-083	Bruce R. Rogers	Northeast Natural Energy LLC	12.5% or Greater	1607	56
	WV-061-003674-016	Ellen Rose	Northeast Natural Energy LLC	12.5% or Greater	1554	422
	WV-061-004599-007	Nancy Ross	Northeast Natural Energy LLC	12.5% or Greater	1605	280
	WV-061-003856-002	Anthony G. Sago	Northeast Natural Energy LLC	12.5% or Greater	1557	367
	WV-061-005119-001	April Sago aka April Phillips	Northeast Natural Energy LLC	12.5% or Greater	1618	781
	WV-061-003856-003	David K. Sago & Ramona J. Sago	Northeast Natural Energy LLC	12.5% or Greater	1564	378
	WV-061-003856-005	Jeffrey Sago	Northeast Natural Energy LLC	12.5% or Greater	1567	840
	WV-061-003856-001	Karen E. Sago	Northeast Natural Energy LLC	12.5% or Greater	1553	220
	WV-061-003856-049	Zeva Scripp	Northeast Natural Energy LLC	12.5% or Greater	1584	774
	WV-061-004599-010	Linda Shriver	Northeast Natural Energy LLC	12.5% or Greater	1605	299
	WV-061-003856-071	Cheryl Slampak	Northeast Natural Energy LLC	12.5% or Greater	1590	321
	WV-061-004599-002	Janice C. Slifko and Harry J. Slifko	Northeast Natural Energy LLC	12.5% or Greater	1597	599
	WV-061-004599-026	Judy T. Smith	Northeast Natural Energy LLC	12.5% or Greater	1607	266
	WV-061-004599-058	Kylie Spears	Northeast Natural Energy LLC	12.5% or Greater	1638	311
	WV-061-003708-010	Vaneta Statler	Northeast Natural Energy LLC	12.5% or Greater	1562	215
	WV-061-003674-014	Rebecca Steele	Northeast Natural Energy LLC	12.5% or Greater	1550	475
	WV-061-004599-009	Donna Stevenson	Northeast Natural Energy LLC	12.5% or Greater	1605	296
	WV-061-003856-020	Shirley Stieringer	Northeast Natural Energy LLC	12.5% or Greater	1575	439
	WV-061-003856-022	Deborah Stiles	Northeast Natural Energy LLC	12.5% or Greater	1577	783
	WV-061-003674-022	Gerald Stiles	Northeast Natural Energy LLC	12.5% or Greater	1564	376
	WV-061-003674-023	Harold Stiles	Northeast Natural Energy LLC	12.5% or Greater	1563	121
	WV-061-003674-027	Janice Stiles	Northeast Natural Energy LLC	12.5% or Greater	1566	27
	WV-061-004599-040	Jason Sumner	Northeast Natural Energy LLC	12.5% or Greater	1610	366
	WV-061-003676-001	Joseph Swiger	Northeast Natural Energy LLC	12.5% or Greater	1561	101
	WV-061-004599-034	Jamy D. Teal	Northeast Natural Energy LLC	12.5% or Greater	1608	18
	WV-061-003856-065	Jody L. Temple	Northeast Natural Energy LLC	12.5% or Greater	1589	473
	WV-061-004599-057	Joshua Temple	Northeast Natural Energy LLC	12.5% or Greater	1638	308
	WV-061-003856-064	Kevin A. Temple	Northeast Natural Energy LLC	12.5% or Greater	1589	470
	WV-061-004599-059	Megan Temple	Northeast Natural Energy LLC	12.5% or Greater	1638	316
	WV-061-003708-004	Allen Temple	Northeast Natural Energy LLC	12.5% or Greater	1557	778
	WV-061-004599-063	Billy Tennant	Northeast Natural Energy LLC	12.5% or Greater	1640	592
	WV-061-003674-005	Brenda Tennant	Northeast Natural Energy LLC	12.5% or Greater	1541	842
	WV-061-004599-014	Burl A. Tennant Jr.	Northeast Natural Energy LLC	12.5% or Greater	1604	236
	WV-061-004599-019	Carl F. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1611	491
	WV-061-003674-015	Cecil L. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1550	477
	WV-061-004599-047	Clyde Tennant	Northeast Natural Energy LLC	12.5% or Greater	1613	85
	WV-061-003708-003	Danny Tennant	Northeast Natural Energy LLC	12.5% or Greater	1550	483
	WV-061-004599-068	Diana Tennant	Northeast Natural Energy LLC	12.5% or Greater	135	466
	WV-061-003856-046	Donald Tennant	Northeast Natural Energy LLC	12.5% or Greater	1580	188
	WV-061-004599-051	Francis Tennant	Northeast Natural Energy LLC	12.5% or Greater	1611	686
	WV-061-003856-043	Freddie Tennant	Northeast Natural Energy LLC	12.5% or Greater	1580	179
	WV-061-003674-037	Glenda Tennant	Northeast Natural Energy LLC	12.5% or Greater	1577	4
	WV-061-003674-032	Helen Tennant	Northeast Natural Energy LLC	12.5% or Greater	1568	319
	WV-061-004599-049	Herbert Tennant	Northeast Natural Energy LLC	12.5% or Greater	1613	91
	WV-061-004599-045	James Tennant	Northeast Natural Energy LLC	12.5% or Greater	1613	79
	WV-061-003856-025	Jean Tennant	Northeast Natural Energy LLC	12.5% or Greater	1577	798
	WV-061-003856-033	Jeff Tennant, a/k/a Jeffrey Joseph Tennant, a/k/a Jeffrey Tennant	Northeast Natural Energy LLC	12.5% or Greater	1577	528
	WV-061-004599-035	Jeffrey T. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1608	20
	WV-061-004599-025	Jeffrey A. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1607	264
	WV-061-003856-060	Joseph Tennant	Northeast Natural Energy LLC	12.5% or Greater	1588	610
	WV-061-004599-016	Keith Tennant	Northeast Natural Energy LLC	12.5% or Greater	1606	747
	WV-061-003708-001	Larry Tennant	Northeast Natural Energy LLC	12.5% or Greater	1550	479
	WV-061-003856-015	Martha Tennant	Northeast Natural Energy LLC	12.5% or Greater	1557	752
	WV-061-003856-031	Melody Tennant, a/k/a Melody Ann Tennant	Northeast Natural Energy LLC	12.5% or Greater	1576	839
	WV-061-003856-012	Michael D. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1557	447

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004599-032	Michael Tennant	Northeast Natural Energy LLC	12.5% or Greater	1611	688
	WV-061-003856-021	Nelson Tennant	Northeast Natural Energy LLC	12.5% or Greater	1576	277
	WV-061-003856-055	Raph Tennant	Northeast Natural Energy LLC	12.5% or Greater	1588	570
	WV-061-004599-008	Randy Tennant	Northeast Natural Energy LLC	12.5% or Greater	1605	287
	WV-061-003674-019	Richard Tennant	Northeast Natural Energy LLC	12.5% or Greater	1562	201
	WV-061-004599-050	Rita Tennant	Northeast Natural Energy LLC	12.5% or Greater	1610	836
	WV-061-003674-034	Robert N. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1573	456
	WV-061-003856-047	Robert Tennant	Northeast Natural Energy LLC	12.5% or Greater	1582	61
	WV-061-004599-048	Robert L. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1613	88
	WV-061-003856-029	Scott Tennant, a/k/a Scott Douglas Tenna	Northeast Natural Energy LLC	12.5% or Greater	1577	530
	WV-061-003856-061	Sheila Tennant	Northeast Natural Energy LLC	12.5% or Greater	1588	646
	WV-061-004599-013	Shirley Tennant	Northeast Natural Energy LLC	12.5% or Greater	1604	234
	WV-061-003674-021	Sylvia D. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1564	715
	WV-061-003856-010	Virginia Tennant	Northeast Natural Energy LLC	12.5% or Greater	1557	439
	WV-061-003708-005	Wilbur Tennant	Northeast Natural Energy LLC	12.5% or Greater	1550	485
	WV-061-003674-009	William R. Tennant	Northeast Natural Energy LLC	12.5% or Greater	1550	577
	WV-061-003674-029	Thomas Family	Northeast Natural Energy LLC	12.5% or Greater	1565	594
	WV-061-004599-024	Sandra Thomas	Northeast Natural Energy LLC	12.5% or Greater	1606	480
	WV-061-004599-033	Tenisha Elaine Sumner Truitt	Northeast Natural Energy LLC	12.5% or Greater	1608	16
	WV-061-003856-058	Albert Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1588	598
	WV-061-004599-020	Charles E. Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1610	574
	WV-061-004599-031	Charles D. Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1607	622
	WV-061-004599-018	Paul Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1604	371
	WV-061-004599-030	Ronald Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1607	620
	WV-061-004599-011	Sharon Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1606	696
	WV-061-004599-036	Sung Ja Tuttle	Northeast Natural Energy LLC	12.5% or Greater	1613	836
	WV-061-004599-003	Joyce Valentine	Northeast Natural Energy LLC	12.5% or Greater	1597	601
	WV-061-003856-070	Mary J. Valenzia	Northeast Natural Energy LLC	12.5% or Greater	1589	561
	WV-061-003674-003	Charlene Walker	Northeast Natural Energy LLC	12.5% or Greater	1550	573
	WV-061-003674-001	Martha Walker	Northeast Natural Energy LLC	12.5% or Greater	1550	489
	WV-061-003856-019	Neva R. Walker	Northeast Natural Energy LLC	12.5% or Greater	1575	272
	WV-061-003856-018	Robert Walker	Northeast Natural Energy LLC	12.5% or Greater	1575	270
	WV-061-003856-017	Ruby G. Walker	Northeast Natural Energy LLC	12.5% or Greater	1575	268
	WV-061-004599-042	Robin Walls	Northeast Natural Energy LLC	12.5% or Greater	1610	370
	WV-061-004599-027	Sharon T. Walsh	Northeast Natural Energy LLC	12.5% or Greater	1607	268
	WV-061-003856-042	Russel D. Walters	Northeast Natural Energy LLC	12.5% or Greater	1578	156
	WV-061-003856-051	Dorothy Weaver	Northeast Natural Energy LLC	12.5% or Greater	1586	21
	WV-061-003856-069	Deborah White	Northeast Natural Energy LLC	12.5% or Greater	1589	143
	WV-061-003856-073	Linda Wilfong	Northeast Natural Energy LLC	12.5% or Greater	1590	329
	WV-061-003674-011	Barbara Wilson	Northeast Natural Energy LLC	12.5% or Greater	1542	96
	WV-061-003708-008	Bertha Wilson	Northeast Natural Energy LLC	12.5% or Greater	1550	525
	WV-061-003708-009	Leonard Wilson	Northeast Natural Energy LLC	12.5% or Greater	1552	424
	WV-061-004599-062	Kimberly Woodham, trustee of The David	Northeast Natural Energy LLC	12.5% or Greater	1639	811
	WV-061-003856-062	Floyd W. Wright, aka Floyd William Wri	Northeast Natural Energy LLC	12.5% or Greater	1589	253
	WV-061-003674-035	Mary A. Wright	Northeast Natural Energy LLC	12.5% or Greater	1574	526
	WV-061-003708-014	Jarrod Yost	Northeast Natural Energy LLC	12.5% or Greater	1556	471
	WV-061-003674-036	Jason G. Yost	Northeast Natural Energy LLC	12.5% or Greater	1574	524
	WV-061-003674-025	Verl Loye Yost	Northeast Natural Energy LLC	12.5% or Greater	1557	451
	WV-061-003708-012	Vincent Yost	Northeast Natural Energy LLC	12.5% or Greater	1564	323
C	WV-061-000127-001-LA	EQT	Northeast Natural Energy LLC	12.5% or Greater	1660	538
D	WV-061-000127-001-LA	EQT	Northeast Natural Energy LLC	12.5% or Greater	1660	538
F	WV-061-003023-016	Dra C. Eddy	Northeast Natural Energy LLC	12.5% or Greater	1517	387
	WV-061-003023-019	Melvin Luther Eddy	Northeast Natural Energy LLC	12.5% or Greater	1594	118
	WV-061-003023-017	Lena Ann Wright	Northeast Natural Energy LLC	12.5% or Greater	1521	728
	WV-061-003023-015	Denzil F. Eddy	Northeast Natural Energy LLC	12.5% or Greater	1517	374
	WV-061-003023-014	Billy Joe Eddy	Northeast Natural Energy LLC	12.5% or Greater	1518	25
	WV-061-003023-013	Donna E. Lemmon	Northeast Natural Energy LLC	12.5% or Greater	1439	316
	WV-061-003023-018	Emella B. Polansky	Northeast Natural Energy LLC	12.5% or Greater	1521	692
	WV-061-003023-020	Judy Lipscomb and Larry Lipscomb	Northeast Natural Energy LLC	12.5% or Greater	1535	693
	WV-061-003023-022	Terry White and Shirley White	Northeast Natural Energy LLC	12.5% or Greater	1554	442
	WV-061-003023-021	Rebecca Phillips	Northeast Natural Energy LLC	12.5% or Greater	1535	695
	WV-061-003023-002	Julia Marcia Harris	Northeast Natural Energy LLC	12.5% or Greater	1428	895
	WV-061-003023-003	Larry L. Roupe	Northeast Natural Energy LLC	12.5% or Greater	1431	415
	WV-061-003023-006	Nina J. Wood	Northeast Natural Energy LLC	12.5% or Greater	1430	357
F	WV-061-005563-001	Noumenon Corp.	Northeast Natural Energy LLC	12.5% or Greater	1667	103
	WV-061-005563-002	Mark Eddy	Northeast Natural Energy LLC	12.5% or Greater	1678	329
G	WV-061-003693-010	John L. Loth	Northeast Natural Energy LLC	12.5% or Greater	1564	804
	WV-061-004132-001	Waco Oil & Gas Co., Inc.	Northeast Natural Energy LLC	12.5% or Greater	1564	219
	WV-061-005563-001	Noumenon Corporation	Northeast Natural Energy LLC	12.5% or Greater	1667	103
	WV-061-005563-002	Mark V. Eddy	Northeast Natural Energy LLC	12.5% or Greater	1678	329
	WV-061-004564-002	Deanna Cannata	Northeast Natural Energy LLC	12.5% or Greater	1604	846
	WV-061-003758-005	Robert Lee Miller Jr.	Northeast Natural Energy LLC	12.5% or Greater	1559	584
	WV-061-004564-001	Roberta Lynn King	Northeast Natural Energy LLC	12.5% or Greater	1591	730
	WV-061-003693-001	Carmel G. Brookover	Northeast Natural Energy LLC	12.5% or Greater	1535	847
	WV-061-003693-002	Celia P. Askew & Robert L. Askew	Northeast Natural Energy LLC	12.5% or Greater	1557	441
	WV-061-003758-003	Gary Michael Price	Northeast Natural Energy LLC	12.5% or Greater	1548	11
	WV-061-003758-004	Rhonda B. Kraus, fka Rhonda Lovingood	Northeast Natural Energy LLC	12.5% or Greater	1549	606
	WV-061-003758-002	Paulette Flowers	Northeast Natural Energy LLC	12.5% or Greater	1550	209
	WV-061-003758-001	Myra June Neylon & Bruce Neylon	Northeast Natural Energy LLC	12.5% or Greater	1552	422
	WV-061-003693-006	Betty Eileen Roy	Northeast Natural Energy LLC	12.5% or Greater	1554	440

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-003693-004	Betty Jo King	Northeast Natural Energy LLC	12.5% or Greater	1544	112
	WV-061-003693-005	Patricia Ann Fleming	Northeast Natural Energy LLC	12.5% or Greater	1557	497
	WV-061-003693-009	John M. McLarty	Northeast Natural Energy LLC	12.5% or Greater	1551	239
	WV-061-003693-008	Debbie K. McLarty aka Debbie K. Hebert	Northeast Natural Energy LLC	12.5% or Greater	1554	438
H	WV-061-000127-001-LA	EQT	Northeast Natural Energy LLC	12.5% or Greater	1660	538
I	WV-061-003221-001	Brandy Jean Wilmoth	Northeast Natural Energy LLC	12.5% or Greater	1449	350
J	WV-061-005332-001	CNX Gas Company, LLC	Northeast Natural Energy LLC	12.5% or Greater	1632	789
K	WV-061-003722-001	Eugene Fay Eddy & Earlene Eddy	Northeast Natural Energy LLC	12.5% or Greater	1553	208
L	WV-061-003722-001	Eugene Fay Eddy & Earlene Eddy	Northeast Natural Energy LLC	12.5% or Greater	1553	208
M	WV-061-003314-001	Chesapeake Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	120	769
	WV-061-003314-002	MC Mineral Company, LLC	Chesapeake Appalachia, LLC	12.5% or Greater	1487	209

4706101837

RECEIVED  
Office of Oil and Gas  
FEB 26 2020  
WV Department of  
Environmental Protection



4706101837

January 23, 2020

WV Department of Environmental Protection  
Office of Oil and Gas Management  
601 57<sup>th</sup> Street, SE  
Charleston, West Virginia 25304

RE: Cummins 2H, 6H, 14H

Dear Permit Reviewer:

Please be advised that Northeast Natural Energy LLC has the right to drill, extract and produce the minerals beneath the roads identified as Days Run Road (Route 25), Memorial Road (Route 20), and Loge Tennant Road (CR 20/1).

Sincerely,



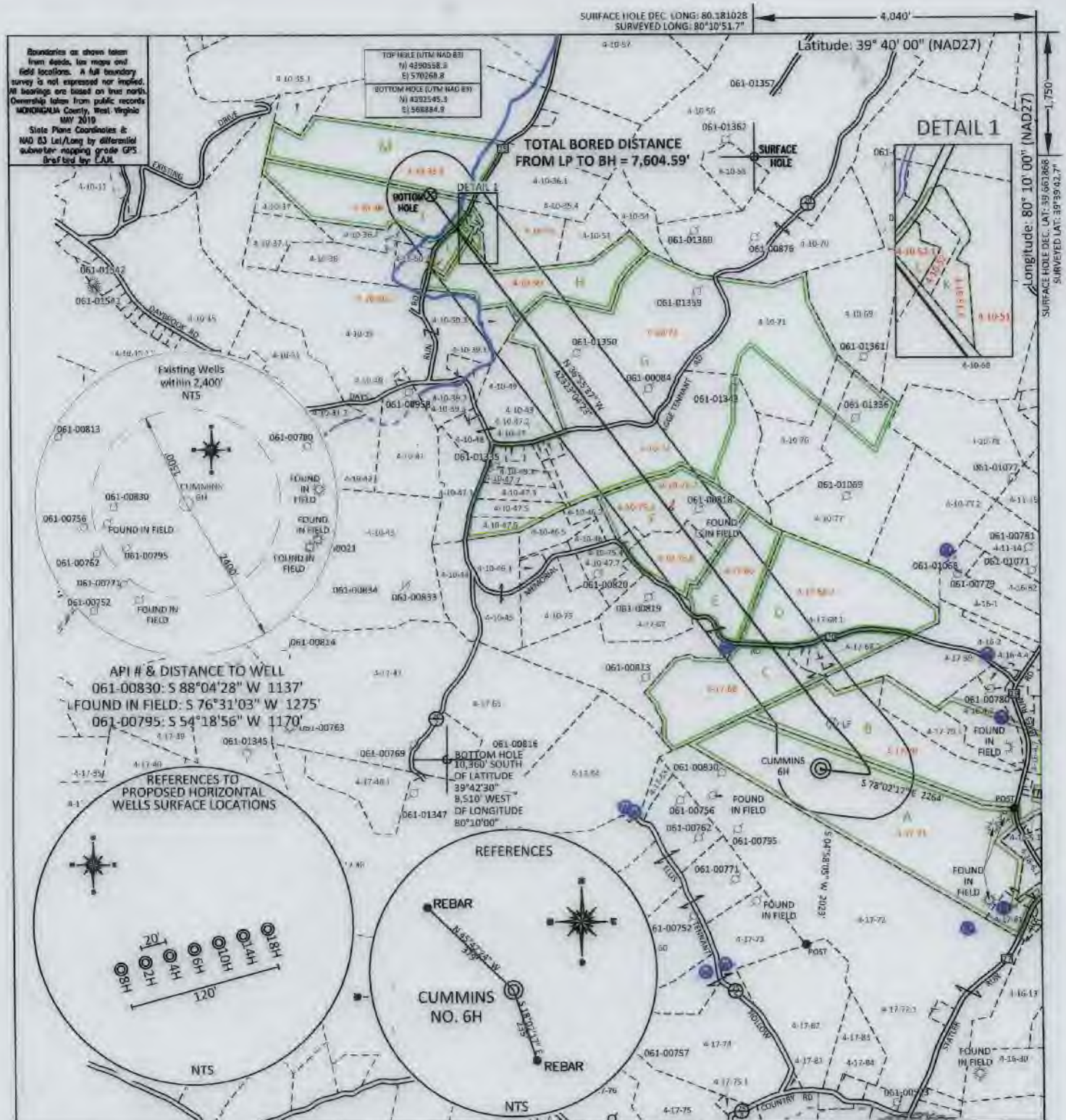
Charles Dornetto  
Manager – Land Operations

Enclosure

RECEIVED  
Office of Oil and Gas

FEB 26 2020

WV Department of  
Environmental Protection



FILE #: NNE15  
 DRAWING #: 2944  
 SCALE: PLAT: 1" = 1600'  
TRAC: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE: SUBMETER MAPPING  
GRADE GPS

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.

Signed: [Signature]  
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

Well Type:  Oil  Waste Disposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: DUNKARD CREEK  
 COUNTY/DISTRICT: MONONGALIA / CLAY  
 SURFACE OWNER: JERRY L. YOST ET AL  
 OIL & GAS ROYALTY OWNER: NNE LLC, et al  
 LEASE NUMBERS: \_\_\_\_\_

DATE: FEBRUARY 18, 2020  
 OPERATOR'S WELL #: CUMMINS 6H  
 API WELL #: 47 61 01837  
 STATE COUNTY PERMIT  
 CURRENT ELEVATION: 1,374'  
 PROPOSED ELEVATION: 1,358.25'

QUADRANGLE: BLACKSVILLE  
 ACREAGE: 81.472 +/-  
 ACREAGE: 552.550 +/-

TARGET FORMATION: MARCELLUS  
 ESTIMATED DEPTH: TVD:8,070' TMD:16,156'  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 DESIGNATED AGENT: JOHN ADAMS  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

PROPERTY OWNER INDEX	
4-17-71	JERRY L. YOST ET AL
4-17-70	ROB & JOYCE BENNETT
4-17-68	LEONARD MICHAEL YOHO
4-17-68.3	RICHARD P & WILMA L EDDY
4-17-66	MELVIN LUTHER EDDY ET AL
4-10-75.6	M3 APPALACHIA GATHERING LLC
4-10-75.3	KEVIN P TENNANT (EDWARD PAUL & AVA MARIE TENNANT - LIFE)
4-10-75.7	CLAY BATTELLE PUBLIC SERVICE DISTRICT
4-10-74	RACHEL B. BAYS
4-10-72	NOUMENON CORPORATION & TITUS H BROOKOVER
4-10-50	MARK MYERS
4-10-50.1	BRANDY JEAN WILMOTH, JAMES C. & SANDRA J. NICHOLS
4-10-51	GARY L. & DONNA D. EDDY
4-10-52.1	SHERRY LYNN SHRIVER
4-10-51.1	EUGENE FAY EDDY
4-10-52	EUGENE FAY EDDY
4-10-36	JASON G. STOUT
4-10-35.5	DANNY C. PARRISH Jr.

LEASE INDEX			
A	WV-061-003499-001	G	WV-061-003693-002
B	WV-061-004599-060	H	WV-061-00127-001-LA
C	WV-061-00127-001-LA	I	WV-061-003221-001
D	WV-061-00127-001-LA	J	WV-061-005332-001
E	WV-061-003023-014	K	WV-061-005332-001
F	WV-061-005563-001	L	WV-061-005332-001
		M	WV-061-003314-001

FILE #: NEE14

DRAWING #: 2944

SCALE: N/A

DATE: FEBRUARY 18, 2020

OPERATOR'S WELL #: CUMMINS 6H

API WELL #: 47 61 **01837**  
STATE COUNTY PERMIT