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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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Tuesday, January 3, 2023  
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 SULLIVAN 3H  
47-061-01901-00-00

**Lateral Extension. Total Measured Depth 9135' to 21184'. Updated Leases Included.**

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: SULLIVAN 3H  
Farm Name: ALAN SULLIVAN  
U.S. WELL NUMBER: 47-061-01901-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 01/03/2023

Promoting a healthy environment.

01/06/2023

WW-6B  
(04/15)

OK#  
85411  
\$15000 ÷ 3 APPS  
12/16/22

RECEIVED  
Office of Oil and Gas  
DEC 29 2022  
WV Department of  
Environmental Protection

API NO. 47-061 - 01901  
OPERATOR WELL NO. 3H  
Well Pad Name: Sullivan

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

1) Well Operator: Northeast Natural Energy, LLC 494498281 Monongalia Clay Grant Town  
Operator ID County District Quadrangle

2) Operator's Well Number: 3H Well Pad Name: Sullivan

3) Farm Name/Surface Owner: Alan Sullivan Public Road Access: Route 27/1

4) Elevation, current ground: 1,520' Elevation, proposed post-construction: 1,476'

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

Other \_\_\_\_\_

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

Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus, 8,247', 87', 5200 psi

8) Proposed Total Vertical Depth: 8,247'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,184'

11) Proposed Horizontal Leg Length: 12,379'

12) Approximate Fresh Water Strata Depths: 50', 1,262'

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

14) Approximate Saltwater Depths: 2,050', 2,580'

15) Approximate Coal Seam Depths: 500', 1,260'

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 X

(a) If Yes, provide Mine Info: Name: N/A

Depth: \_\_\_\_\_

Seam: \_\_\_\_\_

Owner: \_\_\_\_\_

Gayne  
Knitowski  
Digitally signed by  
Gayne Knitowski  
Date: 2022.12.19  
09:00:30 -05'00'

18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size (in)</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling (ft)</b>	<b>INTERVALS: Left in Well (ft)</b>	<b>CEMENT: Fill-up (Cu. Ft.)/CTS</b>
Conductor	24"	New	NA	NA	100	100	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,505	1,475*	CTS
Coal							
Intermediate	9-5/8"	New	J-55	36	2,680	2,650	CTS
Production	5-1/2"	New	P-110	20	21,184'	21,154	4,980
Tubing	2-7/8"	New	P-110	6.5	NA		
Liners							

\*depth to cover Red Rock formation

<b>TYPE</b>	<b>Size (in)</b>	<b>Wellbore Diameter (in)</b>	<b>Wall Thickness (in)</b>	<b>Burst Pressure (psi)</b>	<b>Anticipated Max. Internal Pressure (psi)</b>	<b>Cement Type</b>	<b>Cement Yield (cu. ft./k)</b>
Conductor	24"	28	0.375	NA	NA	Type 1	1.18
Fresh Water	13-3/8"	17-1/2"	0.380	2,730	500	Class A or L	1.19
Coal							
Intermediate	9-5/8"	12-3/8"	0.395	3,520	2800	Class A or L	1.19
Production	5-1/2"	8-3/4"	0.361	14,360	11,400	50:50 POZ	1.07
Tubing	2-7/8"	NA	0.217	13,870	NA	NA	NA
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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

Utilize auger rig to set cellar & conductor. The conductor will be grouted with cement to surface. Mobilize top hole drilling rig. Drill surface section on air. Run surface (freshwater & coal string) casing to desired depth. The surface section will not penetrate sea level. Surface casing will be cemented to surface. Drill intermediate section on air. Run intermediate casing to desired depth. Intermediate casing will be cemented to surface. Drill on air the production section to the start of the curve (KOP). The well will be loaded with synthetic oil base drilling mud (SOBM). Demobilize top hole rig. Mobilize horizontal drilling rig. Finish drilling the production section utilizing MWD surveys and geosteering practices to maintain the wellbore in the Marcellus shale and prevent anti-collision. Production casing will be ran to TD and cement top will be inside the intermediate casing.

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

A cement bond log will determine the top of production casing cement. The production casing will be pressure tested. The hydraulic fracturing equipment will then open the toe sleeves and begin pumping the first stage. The plug-and-perf method will be used for the remaining stages. The max anticipated pressure during frac is 11,200psi and a max rate of 90bpm. After frac, the drillout rig will drill all plugs out of the well. Land production tubing at desired depth. Then flowback well until ready to turn in line to production facilities.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 28.65

22) Area to be disturbed for well pad only, less access road (acres): 15.32

23) Describe centralizer placement for each casing string:

Surface: shoe track & every 3rd joint to surface  
Intermediate: shoe track & every 3rd joint to surface  
Production: Rigid bow centralizers at shoe track & every other joint in the lateral to KOP. Bow springs from KOP to surface every third joint.

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 & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH.  
Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until shakers flow clean.  
Production casing will be circulated prior to cementing to ensure a prepared wellbore for cement.

\*Note: Attach additional sheets as needed.



### Sullivan 3H AREA OF REVIEW

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Notes
061-00470	Kenneth Albert	5	East Resources Inc	39.622091	-80.237035	4-26-12	NA	Plugged 9/8/05
061-01642	Kenneth Albert	NA	Eastern Associated / Peabody Coal Company	39.623338	-80.233621	4-26-12	NA	Plugged 5/24/12
061-01631	Micheal Latocha	6	Eastern Associated / Peabody Coal Company	39.625135	-80.231389	4-19-49	NA	Plugged 7/28/11
061-01637	Micheal Latocha	10	Eastern Associated / Peabody Coal Company	39.626102	-80.233105	4-19-49	NA	Plugged 12/20/11
061-01638	Micheal Latocha	NA	Eastern Associated / Peabody Coal Company	39.62734	-80.235811	4-19-49	NA	Plugged 2/6/12
061-01633	Micheal Latocha	4	Eastern Associated / Peabody Coal Company	39.627233	-80.232718	4-19-48	NA	Plugged 10/20/11
061-01612	Edith Darrah	NA	Eastern Associated / Peabody Coal Company	39.629732	-80.244009	4-19-31	NA	NA
061-01620	Billy Ray Tennant	2	Eastern Associated / Peabody Coal Company	39.630968	-80.238352	4-19-31	NA	Plugged 7/26/11
061-71147	NA	NA	NA	39.631043	-80.238536	4-19-31	NA	Pre 1929 farm well



# NORTHEAST NATURAL ENERGY, LLC

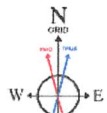
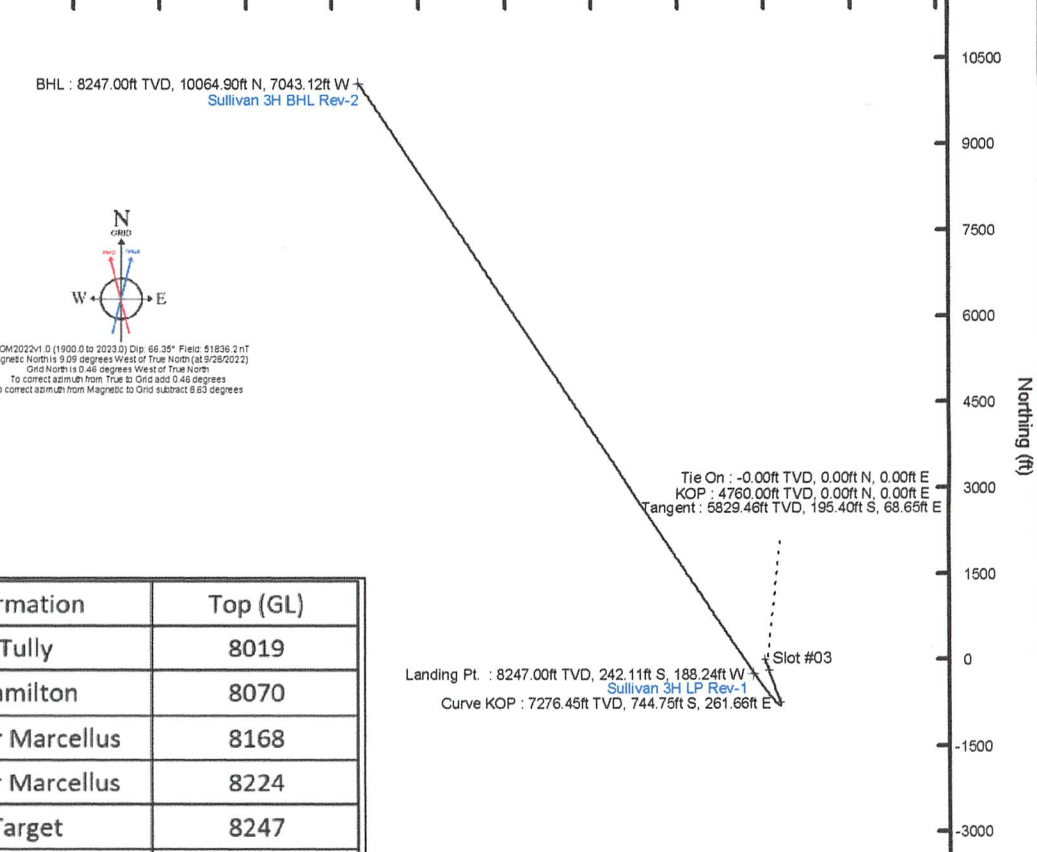
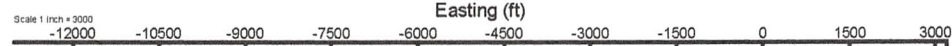
Location: Monongalia County, WV  
 Field: Monongalia  
 Facility: Sullivan Pad

Slot: Slot #03  
 Well: Sullivan 3H  
 Wellbore: Sullivan 3H PWB



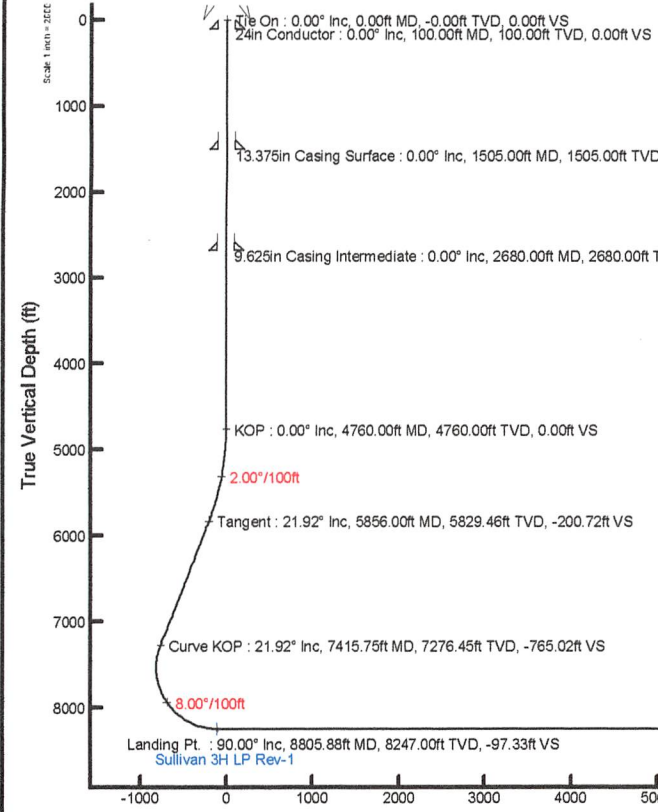
Grid System: NAD83 (Leicestershire Virginia SP, Northern Zone (4701), US feet)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
True vertical depths are referenced to Ground Level (GL)	1764916.000	4098921.000	39°38'53.4732"N	80°13'22.9021"W
Reference wellbore measured depths are referenced to Ground Level (GL)				
Ground Level (GL) to Mean Sea Level: 1478 feet				
Mean Sea Level to Ground level (At Slot Slot #03): -4.476 feet				
Other wellbore MDs are referenced to each well's default MD datum				
Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Sullivan Pad	1764916.000	4098921.000	39°38'53.4732"N	80°13'22.9021"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #03	-11.40	-16.43	1764798.669	409870.692
Ground Level (GL) to Ground level (At Slot Slot #03)				0ft
Mean Sea Level to Ground level (At Slot Slot #03)				-14.756
Ground Level (GL) to Mean Sea Level				14.758

Casing Type	Hole Size	Casing Size	Grade	Weight	Casing Depth (GL)	Drill Depth
Conductor	32"	24"	N/A	N/A	100	100
Surface	17.5"	13.375"	J-55	54.5	1475	1505
Intermediate	12.25"	9.675"	J-55	36	2650	2680



HDCM2022v1.0 (1900.0 to 2023.0) Dip: 66.35° Field: 51836.2 nT  
 Magnetic North is 9.09 degrees West of True North (at 9/28/2022)  
 Grid North is 0.46 degrees West of True North  
 To correct azimuth from True to Grid add 0.46 degrees  
 To correct azimuth from Magnetic to Grid subtract 8.63 degrees

Formation	Top (GL)
Tully	8019
Hamilton	8070
Upper Marcellus	8168
Lower Marcellus	8224
Target	8247
Onondaga	8255

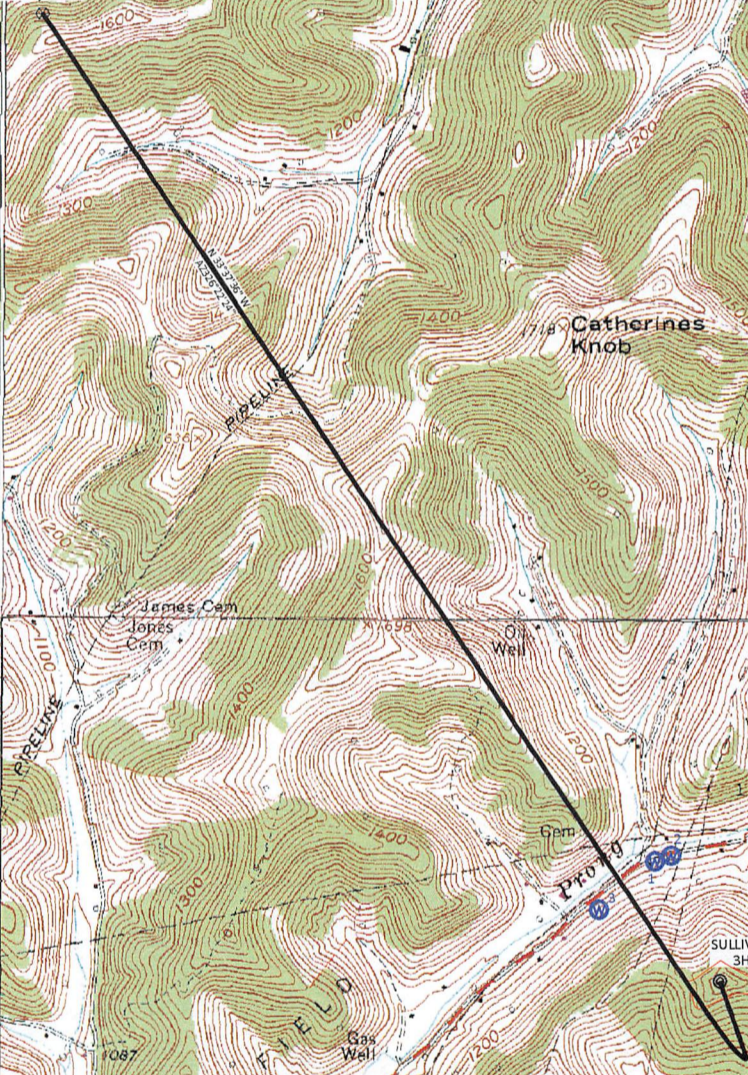


Vertical Section (ft)  
 Azimuth 326.37° with reference 0.00 N, 0.00 E

Scale 1 Inch = 2000

WELL NAME: SULLIVAN 3H  
GRANT TOWN, WV

TOTAL DISTANCE BORED  
FROM LP TO BH = 12,379

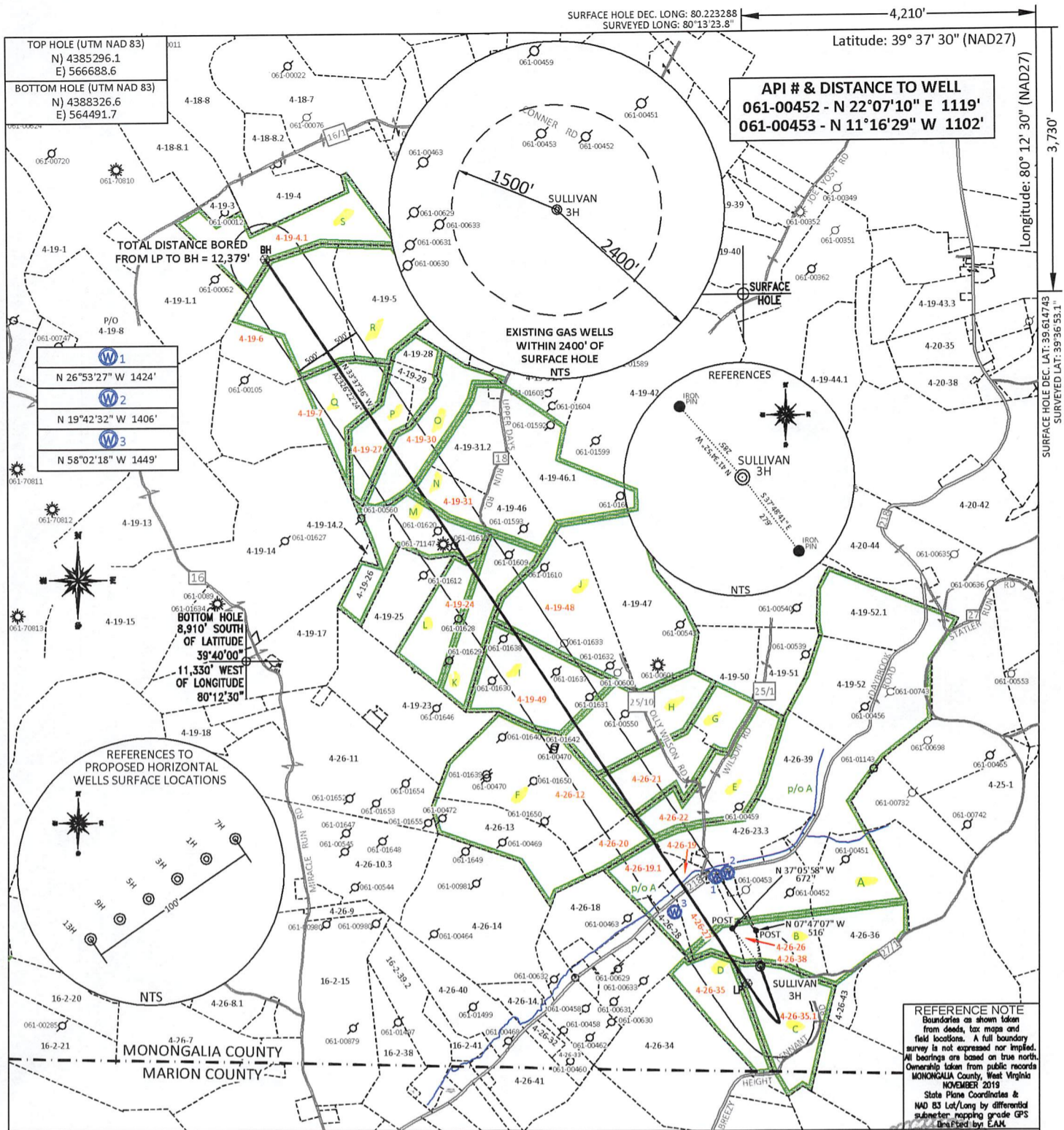


MONONGALIA COUNTY CO  
MARION COUNTY CO

01/06/2023

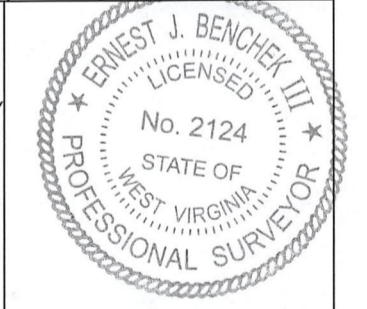






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 DRAWING #: 3048  
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 MINIMUM DEGREE OF ACCURACY: 1/200  
 PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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 Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow  
 WATERSHED: UPPER MONONGAHELA RIVER  
 COUNTY/DISTRICT: MONONGALIA / CLAY  
 SURFACE OWNER: ALAN SULLIVAN  
 OIL & GAS ROYALTY OWNER: ALAN SULLIVAN  
 LEASE NUMBERS:

DATE: DECEMBER 20, 2022  
 OPERATOR'S WELL #: SULLIVAN 3H  
 API WELL #: 47 61 01901 MOD  
 STATE COUNTY PERMIT  
 CURRENT ELEVATION: 1,520'  
 PROPOSED ELEVATION: 1,476.4'  
 QUADRANGLE: GRANT TOWN  
 ACREAGE: 1,124.250 +/-  
 ACREAGE: 25.870 +/-

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY):  
 TARGET FORMATION: MARCELLUS  
 ESTIMATED DEPTH: TVD: 8,247' TMD: 21,184'  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301  
 DESIGNATED AGENT: JOHN ADAMS  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

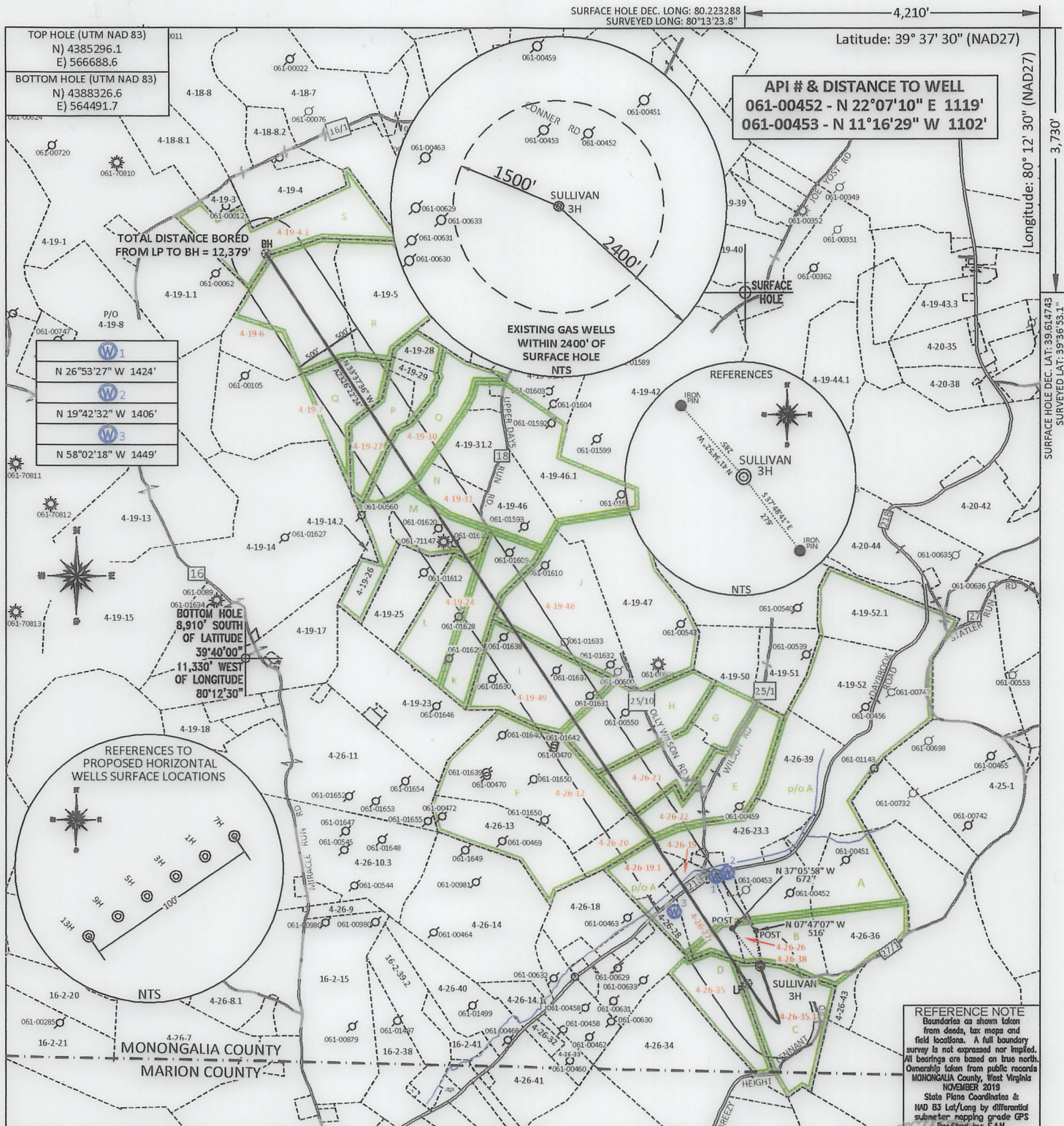
4-26-35	RANDY LEE & TRINA TENNANT
4-19-30	BILLIE & JEFFERSON PRICE
4-19-27	JAMES TENNANT
4-19-31	JIMMY R & PAMELA K TENNANT; BILLY RAY & ROXANA CAHILL
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4-26-19.1	SANDRA L LONG
4-19-24	EDITH L DARRAH
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4-26-12	KENNETH W & RUTH E ALBERT
4-26-35.1	ALAN SULLIVAN
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LEASE INDEX			
A	WV-061-000160-001-ACT	K	WV-061-003931-001
B	WV-061-000160-001-ACT	L	WV-061-003931-011
C	WV-061-005448-002	M	WV-061-003931-011
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H	WV-061-000160-001-ACT	R	WV-061-005906-004
I	WV-061-000160-001-ACT	S	WV-061-005876-002
J	WV-061-001851-0014		

01/06/2023

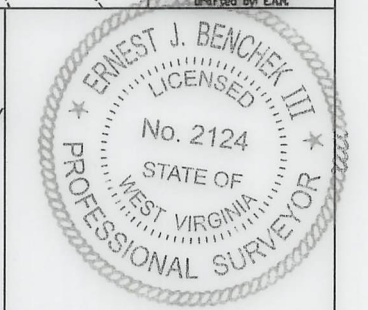
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DRAWING #: 3048  
SCALE: N/A

DATE: DECEMBER 20, 2022  
OPERATOR'S WELL #: SULLIVAN 3H  
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H	WV-061-000160-001-ACT	R	WV-061-005906-004
I	WV-061-000160-001-ACT	S	WV-061-005876-002
J	WV-061-001851-0014		

01/06/2023

FILE #: NEE20  
DRAWING #: 3048  
SCALE: N/A

DATE: DECEMBER 20, 2022  
OPERATOR'S WELL #: SULLIVAN 3H  
API WELL #: 47 61 01901 MOD  
STATE COUNTY PERMIT

**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
-------------------------	-----------------------	-----------------------	---------	-----------

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  
 By: Hollie Medley *Hollie Medley*  
 Its: Regulatory Manager

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
B	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
C	WV-061-005448-002	Alan Sullivan	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	466
D	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
E	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
F	WV-061-005998-001	Ridgetop Appalachia, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1785	204
G	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
H	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
I	WV-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
J	WV-061-001851-0014	Terrance W. Mason	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	321
	WV-061-001851-032	Judith Ann Munkittrick	Northeast Natural Energy, LLC	12.5% Royalty or More	1570	113
	WV-061-001851-027	Debra L. Frazier	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	814
	WV-061-001851-026	Gary W. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	Donna G. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	William Bruce Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	Samuel Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
	WV-061-001851-026	Jason Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1727	240
K	WV-061-003931-001	Margaret A. Berdine	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	523
	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
	WV-061-003931-002	Gary L. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	516
	WV-061-003931-002	Linda K. Statler	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	516
	WV-061-003931-002	Kenneth R. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	516
	WV-061-003931-002	Susan L. Heiskell	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	516
	WV-061-003931-008	LaNelle C. Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	531
	WV-061-003931-007	Jody Lynn Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	417
	WV-061-003931-014	Jill Renee Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	756
	WV-061-003931-019	Kelli D. Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	526
	WV-061-003931-019	Lorri E. Kuhn	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	526
	WV-061-003931-019	Gary D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	526
	WV-061-003931-016	Brett L. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	521
	WV-061-003931-016	Cheral A. Skinner	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	521
	WV-061-003931-016	Kami D. Elliott	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	521
	WV-061-003931-005	Dennis L. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	529
	WV-061-003931-003	David D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	112
	WV-061-003931-006	Michael G. Phillips	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	283
	WV-061-003931-013	Melinda P. Heidekat	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	754
	WV-061-003931-011	Connie Sharon Copeland	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-003931-010	Randy D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	397
	WV-061-003931-018	Phillip D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1560	255
	WV-061-003931-020	Nancy A. Maggard	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	820
	WV-061-003931-004	Gerald Wayne Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	513
	WV-061-003931-015	Diana L. Fulps	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	758

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-003931-012	Linda M. Sutphin	Northeast Natural Energy, LLC	12.5% Royalty or More	1560	264
	WV-061-003915-008	Judith J. Radcliff	Northeast Natural Energy, LLC	12.5% Royalty or More	1559	125
	WV-061-003915-005	James Swiger	Northeast Natural Energy, LLC	12.5% Royalty or More	1560	258
	WV-061-003933-001	Gary S. Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	818
<b>L</b>	<b>WV-061-003931-011</b>	<b>Connie Sharon Copeland</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-003931-009	Danny J. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	425
	WV-061-003931-015	Diana L. Fulps	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	758
	WV-061-003931-010	Randy D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	397
	WV-061-003931-020	Nancy A. Maggard	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	820
	WV-061-003931-004	Gerald Wayne Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	513
	WV-061-003931-008	LaNelle Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	531
	WV-061-003931-007	Jody Lynn Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	417
	WV-061-003931-014	Jill Renee Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	756
	WV-061-003931-006	Michael G. Phillips	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	283
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	WV-061-003931-005	Dennis L. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	529
	WV-061-003931-003	David D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	112
	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
<b>M</b>	<b>WV-061-003931-011</b>	<b>Connie Sharon Copeland</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
<b>N</b>	<b>WV-061-006350-001</b>	<b>MM-Marcellus II, L.P.</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	77
<b>O</b>	<b>WV-061-003931-011</b>	<b>Connie Sharon Copeland</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-003931-009	Danny J. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	425
	WV-061-003931-015	Diana L. Fulps	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	758
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	WV-061-003931-003	David D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1568	112
	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
<b>P</b>	<b>WV-061-003931-011</b>	<b>Connie Sharon Copeland</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	416
	WV-061-003931-009	Danny J. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	425
	WV-061-003931-015	Diana L. Fulps	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	758
	WV-061-003931-010	Randy D. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1562	397
	WV-061-003931-020	Nancy A. Maggard	Northeast Natural Energy, LLC	12.5% Royalty or More	1567	820
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	WV-061-003931-008	LaNelle Stiles	Northeast Natural Energy, LLC	12.5% Royalty or More	1564	531
	WV-061-003931-007	Jody Lynn Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1565	417
	WV-061-003931-014	Jill Renee Maley	Northeast Natural Energy, LLC	12.5% Royalty or More	1557	756

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	WV-061-002923-001	Ryan C. Radtka	Northeast Natural Energy, LLC	12.5% Royalty or More	1402	615
<b>Q</b>	<b>WV-061-005906-004</b>	<b>Gary W. Moore</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	426
	WV-061-005906-001	Donna G. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	420
	WV-061-005906-003	William Bruce Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	424
	WV-061-005906-005	Samuel Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1778	798
	WV-061-005906-002	Jason Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	422
	WV-061-005916-002	Derrick Wayne Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1774	689
	WV-061-005916-001	Eric Blaine Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1774	687
	WV-061-005916-004	Darrian Marie Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	54
	WV-061-005904-002	Donald G. Tennant II	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	121
	WV-061-005904-001	Craig Alan Dintaman	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	119
	WV-061-005916-003	Yolanda Krotzer Davis	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	788
	WV-061-005934-003	Rachel Haught	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	561
	WV-061-005904-003	Jack R. Tuttle	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	532
	WV-061-005788-003	Kenneth D. Brame	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	350
	WV-061-005788-006	Paul McBride	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	506
	WV-061-005788-004	Paula McBride	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	630
	WV-061-005788-007	Brian Keith Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	508
	WV-061-005788-005	Cheryl Lee Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	504
	WV-061-005788-002	Toni Lindsey Greene	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	840
	WV-061-005788-001	Sandy L. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1748	762
	WV-061-006074-005	LeeAnn Shumiloff	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	436
	WV-061-006074-004	Christopher B. Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	434
	WV-061-006074-001	Susan Brinegar	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	502
	WV-061-006074-003	Justin Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	411
	WV-061-006074-002	Deken Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	409
	WV-061-005916-007	John C. Jones	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	443
	WV-061-005916-005	Janet D. Crabtree	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	625
	WV-061-005916-006	Loruma B. Brokaw	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	627
	WV-061-005916-008	Thomas D. Jones	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	534
	WV-061-006032-001	Marsha Catherine Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	522
	WV-061-006021-005	Nancy A. Kallas	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	514
	WV-061-006021-004	Pamela Lane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	88
	WV-061-006021-001	Patricia Jane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	82
	WV-061-006021-003	Kimberly Dawn Huggins Coker	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	86
	WV-061-006021-002	James David Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	84
	WV-061-005934-001	Tonya Smerdell	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	824
	WV-061-005934-002	Tina Bragg	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	826
	WV-061-006019-002	Roxana Cahill	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	512
	WV-061-006016-001	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	72



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	WV-061-006017-001	Pamela Kay Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	74
	WV-061-006019-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	78
<b>R</b>	<b>WV-061-005906-004</b>	<b>Gary W. Moore</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	426
	WV-061-005906-001	Donna G. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	420
	WV-061-005906-003	William Bruce Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	424
	WV-061-005906-005	Samuel Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1778	798
	WV-061-005906-002	Jason Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	422
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	WV-061-005916-001	Eric Blaine Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1774	687
	WV-061-005916-004	Darrian Marie Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	54
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	WV-061-005904-001	Craig Alan Dintaman	Northeast Natural Energy, LLC	12.5% Royalty or More	1772	119
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	WV-061-005788-003	Kenneth D. Brame	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	350
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	WV-061-005788-007	Brian Keith Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	508
	WV-061-005788-005	Cheryl Lee Clark	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	504
	WV-061-005788-002	Toni Lindsey Greene	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	840
	WV-061-005788-001	Sandy L. Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1748	762
	WV-061-006074-005	LeeAnn Shumiloff	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	436
	WV-061-006074-004	Christopher B. Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	434
	WV-061-006074-001	Susan Brinegar	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	502
	WV-061-006074-003	Justin Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	411
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	WV-061-006032-001	Marsha Catherine Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	522
	WV-061-006021-005	Nancy A. Kallas	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	514
	WV-061-006021-004	Pamela Lane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	88
	WV-061-006021-001	Patricia Jane Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	82
	WV-061-006021-003	Kimberly Dawn Huggins Coker	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	86
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	WV-061-005934-001	Tonya Smerdell	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	824
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	WV-061-006016-001	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	72
	WV-061-006017-001	Pamela Kay Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	74
	WV-061-006019-001	Billy Ray Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	78
<b>S</b>	<b>WV-061-005876-002</b>	<b>Kemble D. Tate</b>	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	291



Stansberry, Wade A <wade.a.stansberry@wv.gov>

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## Expedited Modification Horizontal H6A Well Work Permit API : (47-061-01901)

1 message

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**Stansberry, Wade A** <wade.a.stansberry@wv.gov>

Tue, Jan 3, 2023 at 2:37 PM

To: Hollie Medley <hmedley@nne-llc.com>, Kristen Brooks <kbrooks@nne-llc.com>, Mark Musick <mmusick@assessor.org>, "Gayne J. Knitowski" <gayne.j.knitowski@wv.gov>

I have attached a copy of the newly issued well [permit](#) number(s):

**47-061-01901 - SULLIVAN 3H**

These will serve as your copy.

Thank you,

**Wade A. Stansberry**

**Environmental Resource Specialist 3**

**West Virginia Department of Environmental Protection**

**Office of Oil & Gas**

**601 57th St. SE**

**Charleston, WV 25304**

**(304) 926-0499 ext. 41115**


**(304) 926-0452 fax**

**[Wade.A.Stansberry@wv.gov](mailto:Wade.A.Stansberry@wv.gov)**

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### 2 attachments

 **IR-26 Blank.pdf**  
169K

 **47-061-01901 - mod.pdf**  
9662K

01/06/2023