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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)

Wednesday, January 4, 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 9H  
47-061-01920-00-00

**Lateral Extension. Total Measured Depth 15744' to 21559'. 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.

A handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin  
Chief

Operator's Well Number: SULLIVAN 9H  
Farm Name: ALAN SULLIVAN  
U.S. WELL NUMBER: 47-061-01920-00-00  
Horizontal 6A New Drill  
Date Modification Issued: 01/04/2023

Promoting a healthy environment.

01/06/2023

DEC 29 2022

WV Department of  
Environmental Protection

API NO. 47- 061 - 01920

OPERATOR WELL NO. 9H

Well Pad Name: Sullivan

WW-6B  
(04/15)

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: 9H 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  Oil  Underground Storage

Other

(b) If Gas Shallow  Deep

Horizontal

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: 21,559'

11) Proposed Horizontal Leg Length: 12,424'

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

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

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

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

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

Digitally signed by  
Gayne Knitowski  
Date: 2022.12.19  
09:02:57 -05'00'

Gayne  
Knitowski

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	21,559	21,529	5083
Tubing	2-7/8"	New	P-110	6.5	NA		
Liners							

\*depth to cover Red Rock formation

Gayne Knitowski  
Digitally signed by Gayne Knitowski  
Date: 2022.12.19 09:03:16 -05'00'

<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:

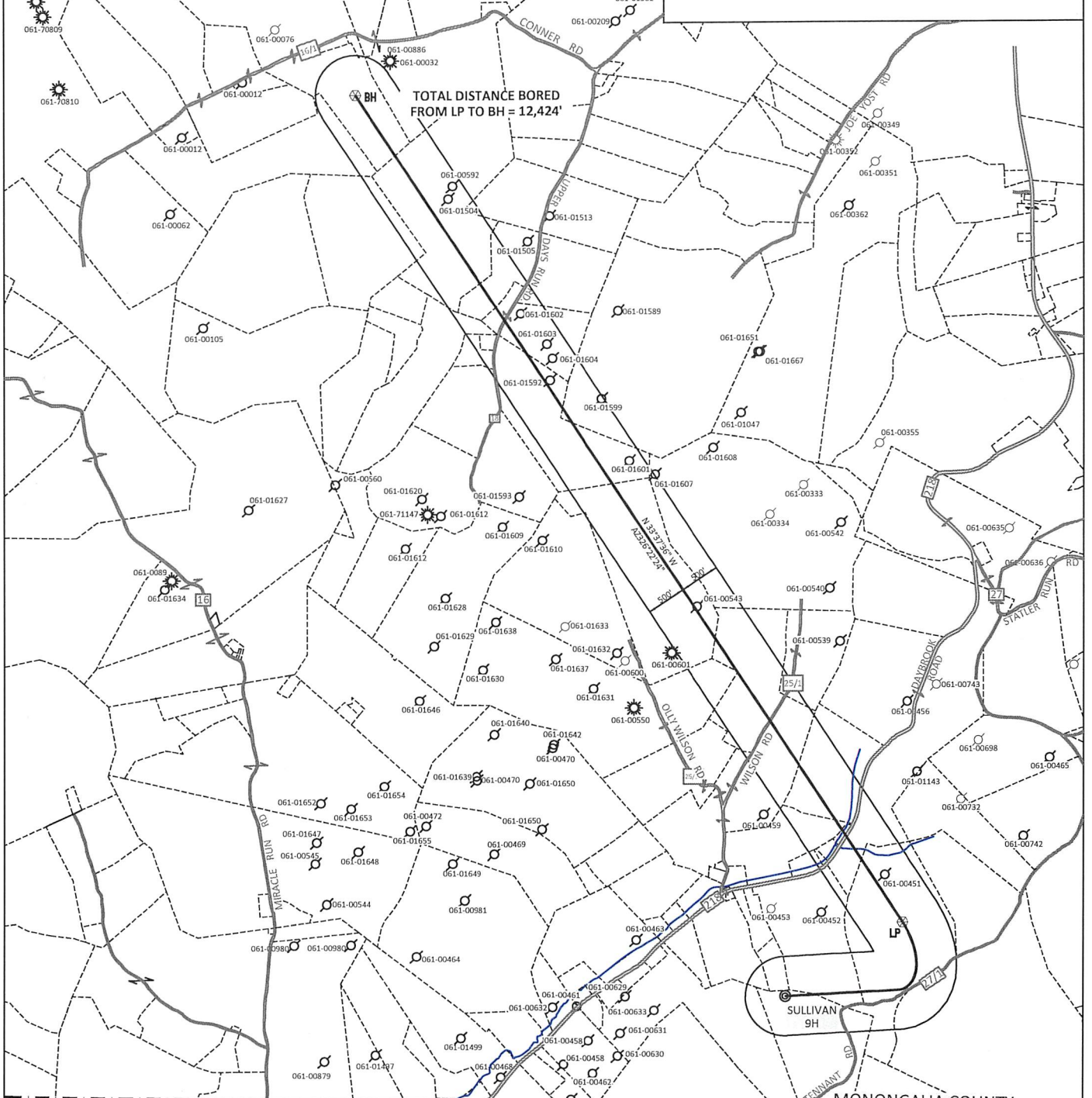
Surface: Class A or L Cement + Max 3% bwoc Calcium Chloride Fresh Water blend.  
Intermediate: Class A or L Cement + Max 3% bwoc Calcium Chloride + Fresh Water.  
Production: 50:50 Poz (Fly Ash & Class A or L) plus additives such as defoamer, retarder, & fluid loss to meet well specific requirements

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 9H EXISTING GAS WELLS DECEMBER 16, 2022



SCALE: 1" = 1,800'



## Sullivan 9H AREA OF REVIEW

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Producing Formation
061-00451	Milton Ammons	3	South Penn Oil	39.618991	-80.218819	4-26-36	Bayard	NA
061-00543	Rocky & Cathy Barr	10	East Resources Inc.	39.628175	-80.227258	4-19-47	Fourth	Plugged 10/6/05
061-01601	Arlyn Perkey	12	Eastern Associated / Peabody Coal Company	39.632992	-80.22997	4-19-46.1	Fifth	Plugged 12/14/09
061-01607	D L Toothman	12	NA	39.632545	-80.228812	4-19-45	NA	Plugged 3/3/10
061-01599	Thomas Zyra	NA	Eastern Associated / Peabody Coal Company	39.635265	-80.231611	4-19-42.1	NA	Plugged 6/25/09
061-01592	Elizabeth Bean	1	NA	39.635692	-80.233566	4-19-46.1	NA	Plugged 10/10/09
061-01604	D L Ammons	1	NA	39.636442	-80.233481	4-19-31.4	NA	Plugged 11/13/08
061-01603	D L Ammons	2	NA	39.636928	-80.233733	4-19-31.4	NA	Plugged 12/11/09
061-01602	Rodney Tennant	4	Eastern Associated / Peabody Coal Company	39.637955	-80.234931	4-19-31.4	NA	Plugged 1/14/10
061-01504	Roxie Tennant	NA	Eastern Associated / Peabody Coal Company	39.642096	-80.238515	4-19-32.1	NA	Plugged 11/8/06
061-00592	Wm Tennant/D Ammons	2	Oper in Min.owner fld,no code assgn(Orphan well proj)	39.642531	-80.238328	4-19-32.1	NA	NA

# NORTHEAST NATURAL ENERGY, LLC

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

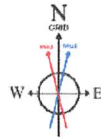
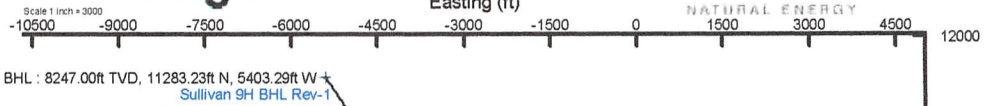
Slot: Slot #09  
 Well: Sullivan 9H  
 Wellbore: Sullivan 9H PWB



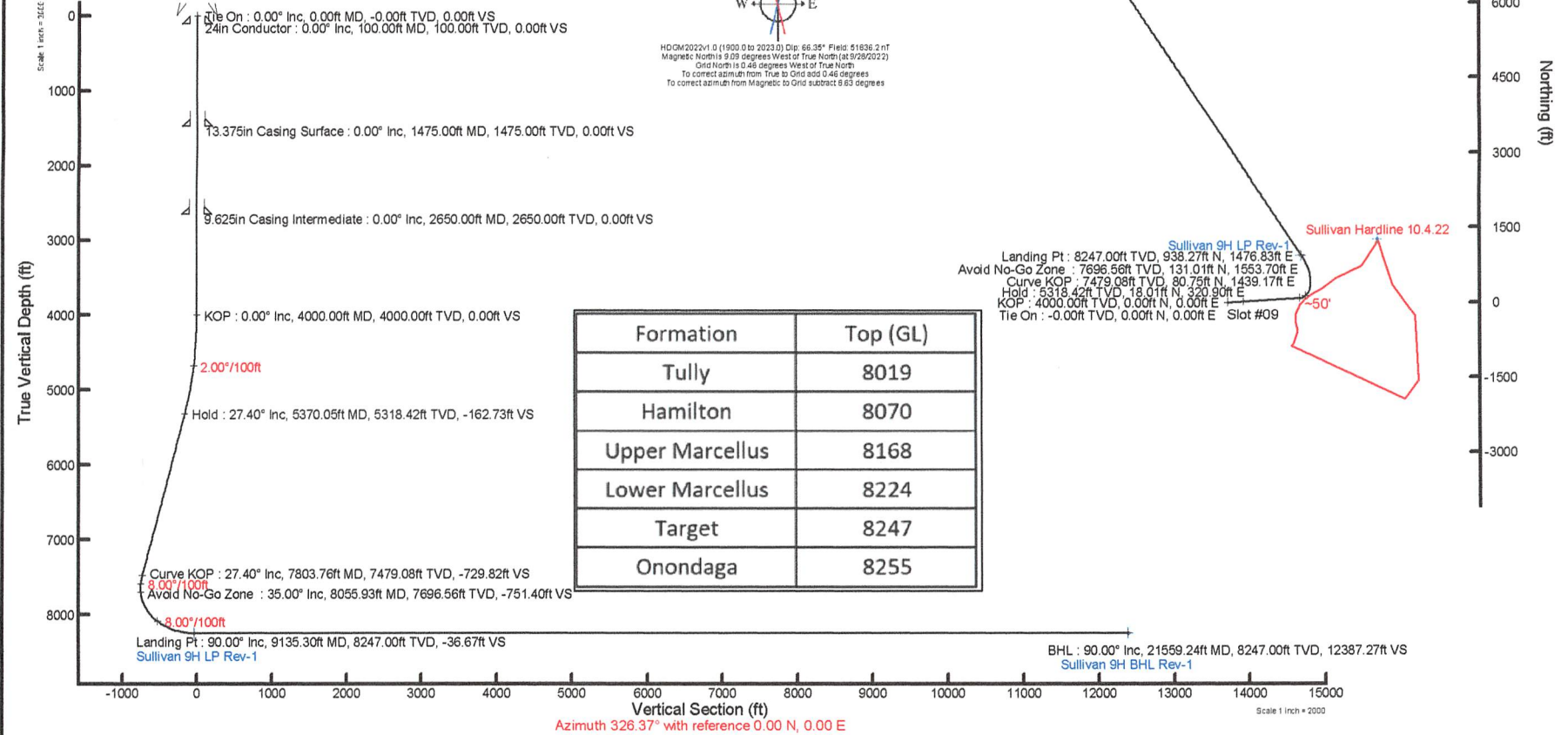
Profile reference wellbore is Sullivan 9H E-02	Grid System: NAD83 (Lambert West Virginia SP, Northern Zone (1701) US feet)
True vertical depths are referenced to Ground Level (GL)	North Reference: Grid north
Reference wellbore measured depths are referenced to Ground Level (GL)	Scale: True distance
Ground Level (GL) to Mean Sea Level: 1476 feet	Coordinates are in feet referenced to Slot
Mean Sea Level to Ground Level (at Slot: Slot #09): 1476 feet	Depth are in feet
Other wellbore MDs are referenced to each well's default MD datum	Created by mensh on 2022-12-13; Database: VSA_MPL_EASTE RHUS_Dash

Location Information						
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude		
Sullivan Pad	1764816.000	409921.000	39°36'53.4792"N	80°13'23.9021"W		
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Slot #09	-34.19	-49.30	1764765.700	409947.900	39°36'53.1374"N	80°13'23.5298"W
Ground Level (GL) to Ground level (at Slot: Slot #09)	0.0					
Mean Sea Level to Ground level (at Slot: Slot #09)	-1476.0					
Ground Level (GL) to Mean Sea Level	1476.0					

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



HOGM2022v1.0 (1900 0 to 2023 0) Dip: 66.35° Field: 51636.2 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



Azimuth 326.37° with reference 0.00 N, 0.00 E

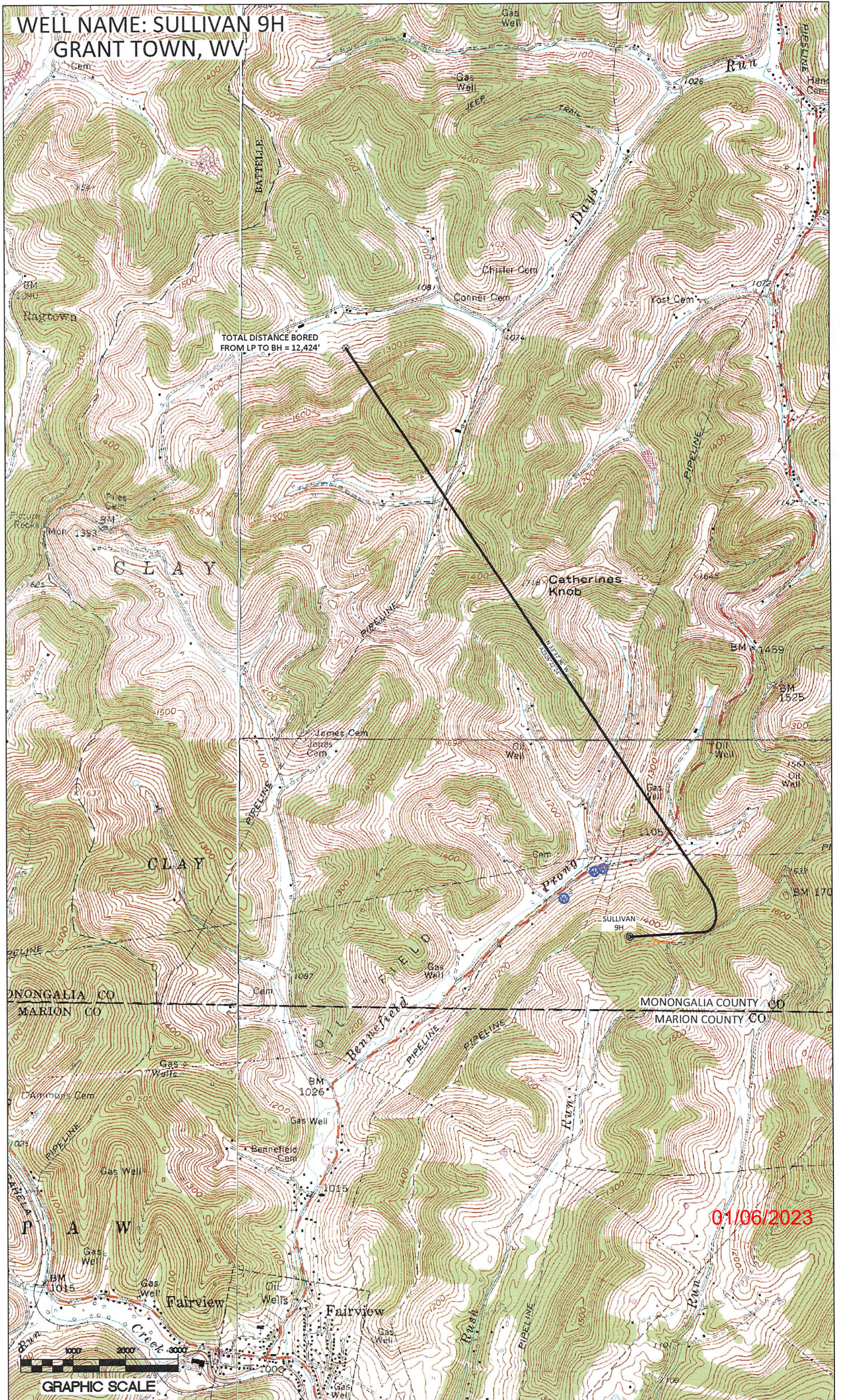
Scale 1 Inch = 2000

WELL NAME: SULLIVAN 9H  
GRANT TOWN, WV

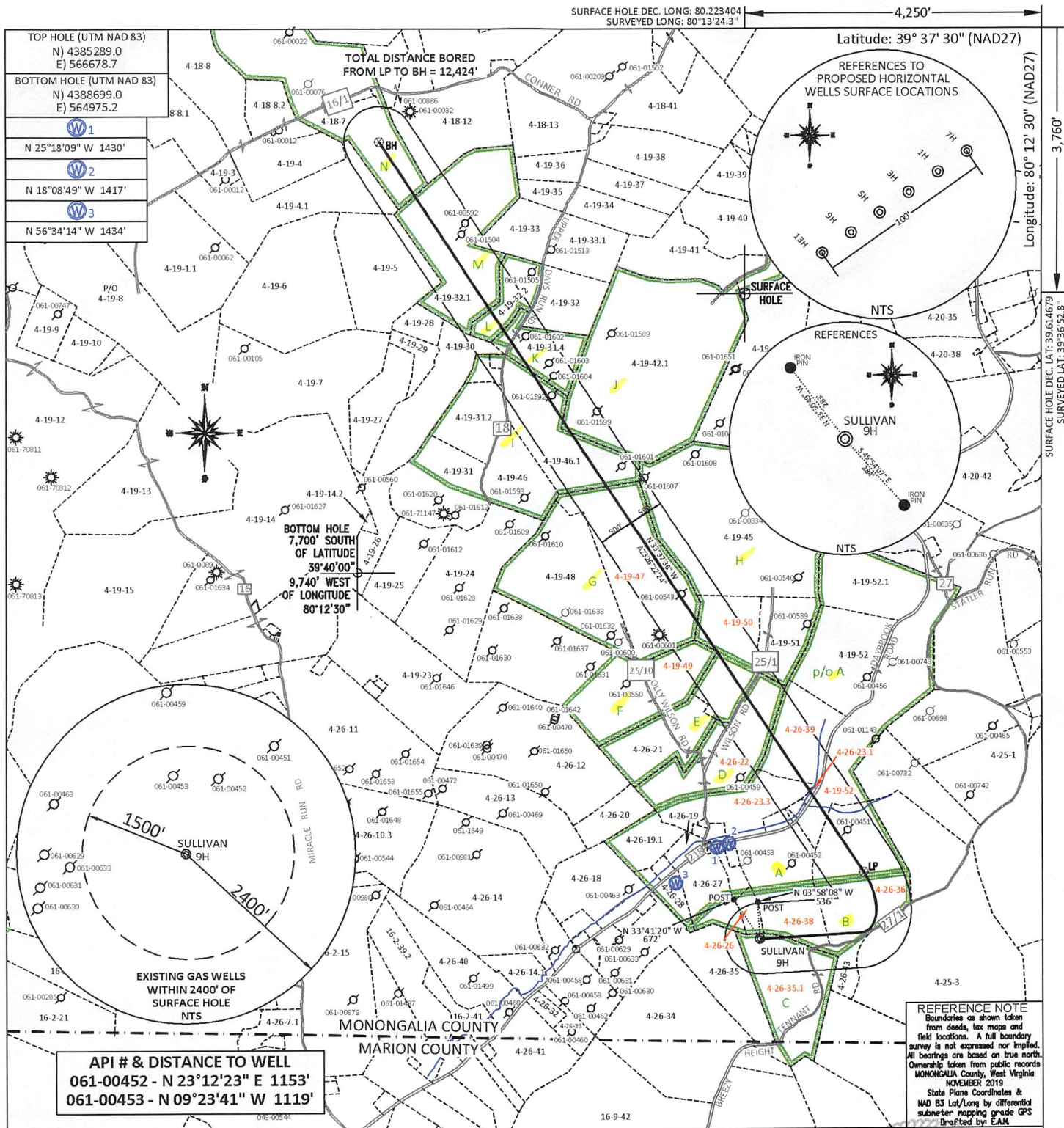
TOTAL DISTANCE BORED  
FROM LP TO BH = 12,424'

01/06/2023

GRAPHIC SCALE







FILE #: NNE20  
DRAWING #: 3049  
SCALE: PLAT: 1" = 2000'  
TICK: 1" = 2000'

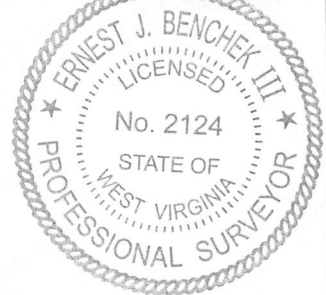
MINIMUM DEGREE OF ACCURACY: 1/200

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 9H

API WELL #: 47 61 01920 MOD

STATE COUNTY PERMIT  
CURRENT ELEVATION: 1,520'  
PROPOSED ELEVATION: 1,476.4'

QUADRANGLE: GRANT TOWN

ACREAGE: 1,085.135 +/-  
ACREAGE: 25.870 + 01/06/2023

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

WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC

ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ESTIMATED DEPTH: TVD: 8,247' TMD: 21,559'  
DESIGNATED AGENT: JOHN ADAMS  
ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

4-26-38	ADAM CLAY DARRAH
4-26-22	LINDA KAY FOGT
4-26-35.1	ALAN SULLIVAN
4-26-26	NNE MIDSTREAM LLC
4-19-47	JAMES & LINDA A KARUS
4-19-50	ROCKY & CATHY J BARR
4-19-49	MICHAEL J LATOCHA
4-26-39	ADAM CLAY DARRAH
4-26-23.1	ADAM CLAY DARRAH
4-19-52	LARRY F & BRENDA KAY KUHN
4-26-23.3	ADAM CLAY DARRAH (LIFE- KERRY L DARRAH)
4-26-36	LARRY NOLAN & LINDA MAE PAYTON
4-18-7	RODDY D & CAROLYN CHISLER
4-19-32.1	JIMMY R & PAMELA K TENNANT; BILLY RAY & ROXANA CAHILL
4-19-32.2	JIMMY RANDALL TENNANT
4-19-31.4	PAMELA K TENNANT
4-19-46	ARLYN W PERKEY
4-19-14.2	PENNY S QUICKLE

LEASE INDEX			
A	WV-061-000160-001-ACT	H	WV-061-004442-001
B	WV-061-000160-001-ACT	I	WV-061-006350-001
C	WV-061-005448-002	J	WV-061-000171-002
D	WV-061-000160-001-ACT	K	WV-061-006017-001
E	WV-061-000160-001-ACT	L	WV-061-006016-001
F	WV-061-000160-001-ACT	M	WV-061-006016-001
G	WV-061-001851-0014	N	WV-061-005747-001

01/06/2023

FILE #: NEE20

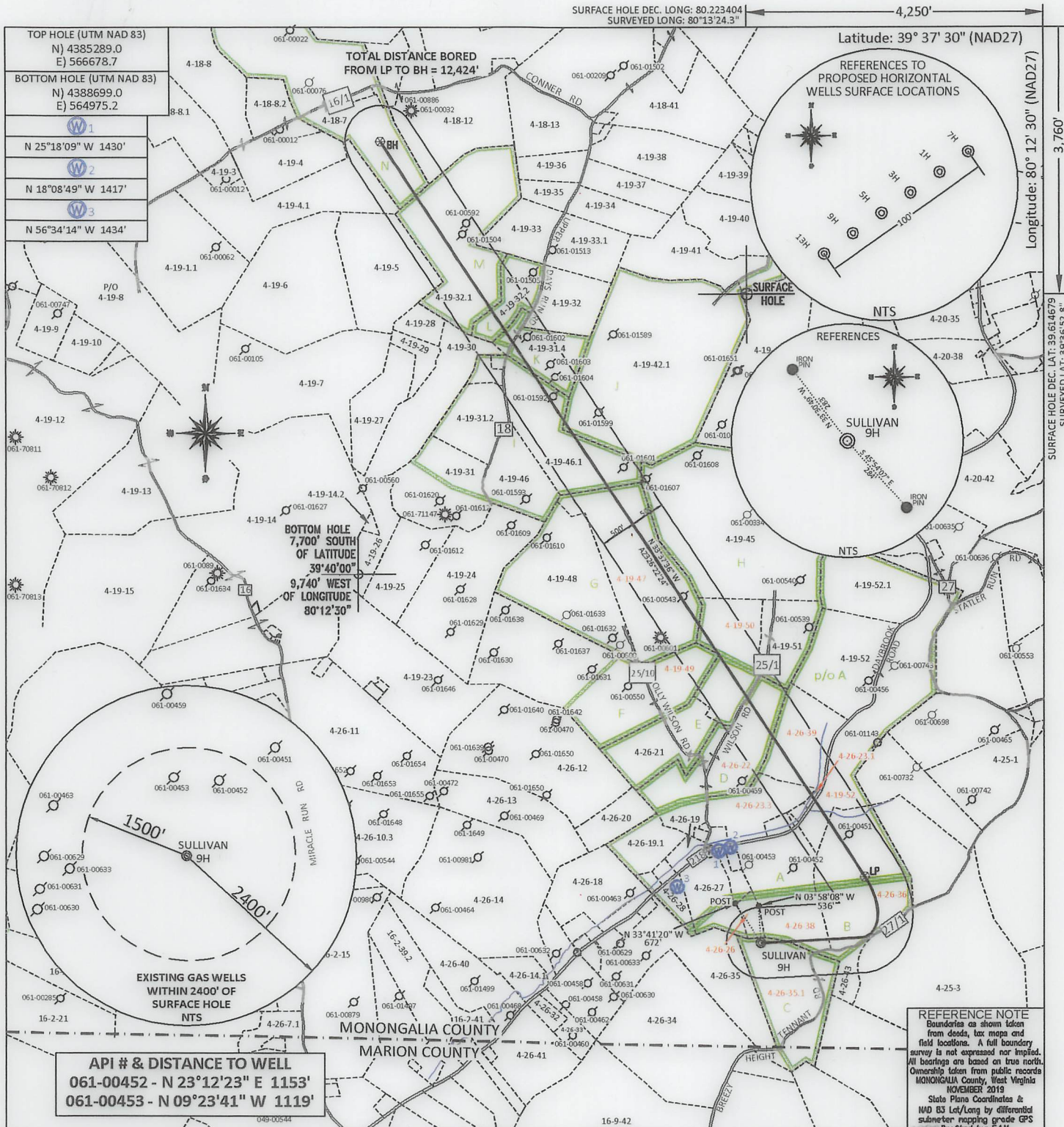
DRAWING #: 3049

SCALE: N/A

DATE: DECEMBER 20, 2022

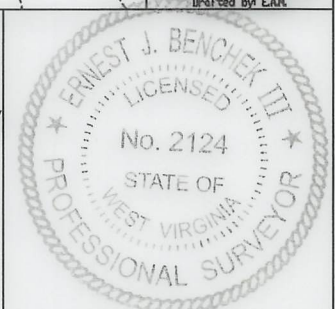
OPERATOR'S WELL #: SULLIVAN 9H

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STATE COUNTY PERMIT



FILE #: NNE20  
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 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: \_\_\_\_\_  
 TARGET FORMATION: MARCELLUS  
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC  
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200  
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

DATE: DECEMBER 20, 2022  
 OPERATOR'S WELL #: SULLIVAN 9H  
 API WELL #: 47 61 01920 MAD  
 STATE COUNTY PERMIT  
 CURRENT ELEVATION: 1,520'  
 PROPOSED ELEVATION: 1,476.4'  
 QUADRANGLE: GRANT TOWN  
 ACREAGE: 1,085.135 +/-  
 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): \_\_\_\_\_  
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LEASE INDEX			
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B	WV-061-000160-001-ACT	I	WV-061-006350-001
C	WV-061-005448-002	J	WV-061-000171-002
D	WV-061-000160-001-ACT	K	WV-061-006017-001
E	WV-061-000160-001-ACT	L	WV-061-006016-001
F	WV-061-000160-001-ACT	M	WV-061-006016-001
G	WV-061-001851-0014	N	WV-061-005747-001

01/06/2023

FILE #: NEE20

DRAWING #: 3049

SCALE: N/A

DATE: DECEMBER 20, 2022

OPERATOR'S WELL #: SULLIVAN 9H

API WELL #: 47 61 01920 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-061-000160-001-ACT	EQT Production Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1775	44
G	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
H	WV-061-004442-001	Julia Kay Wilson Hill	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	600
	WV-061-004442-005	Mikell Ann Wilson Reagan	Northeast Natural Energy, LLC	12.5% Royalty or More	1584	807
	WV-061-004442-001	Julia Kay Wilson Hill	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	600
	WV-061-004442-004	Jo Ann Snyder	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	744
	WV-061-004442-003	Marvin Lynn Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	604
	WV-061-004442-002	Royal J. Burnett	Northeast Natural Energy, LLC	12.5% Royalty or More	1580	602
I	WV-061-006350-001	MM-Marcellus II, L.P.	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	77
J	WV-061-000171-002	Reta Meredith Erdos	Northeast Natural Energy, LLC	12.5% Royalty or More	1526	158
	WV-061-000171-005	Noah Charles Ammons	Northeast Natural Energy, LLC	12.5% Royalty or More	1526	161
	WV-061-004342-001	Randolph K. Ammons (Donnie Ray Ammons Heir)	Northeast Natural Energy, LLC	12.5% Royalty or More	1575	542
	WV-061-004328-001	Stone Hill Minerals Holdings, LLC (Eric Ammons Interest)	Northeast Natural Energy, LLC	12.5% Royalty or More	1576	499
	WV-061-004328-001	Stone Hill Minerals Holdings, LLC (Donny Ray Ammons, Jr. interest (Donnie Ray Ammons Heir)	Northeast Natural Energy, LLC	12.5% Royalty or More	1576	499
	WV-061-004328-001	Stone Hill Minerals Holdings, LLC (Cristi Kwei interest (Donnie Ray Ammons Heir)	Northeast Natural Energy, LLC	12.5% Royalty or More	1576	499
K	WV-061-006017-001	Pamela Kay Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	74
	WV-061-006084-002	Patricia Ann Ammons Ricketts	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	444
	WV-061-006084-001	Steven F. Ammons	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	442
	WV-061-006084-005	Richard N. Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	450
	WV-061-006084-003	David L. Wilson	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	446
	WV-061-006084-004	Lois J. McCoy	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	448
	WV-061-006100-001	Clifford E. Bidwell Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1793	487
	WV-061-006029-002	Ida M. Osecky	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	494
	WV-061-006029-001	Jack L. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	518
	WV-061-006029-003	Jimmy F. Yost	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	496
	WV-061-006108-001	Linda M. Sutphin	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	494
	WV-061-006029-005	Patricia Ann Eddy	Northeast Natural Energy, LLC	12.5% Royalty or More	1795	140
	WV-061-006029-006	Robert Mark Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1795	138
	WV-061-006029-007	Waynetta J. Parker	Northeast Natural Energy, LLC	12.5% Royalty or More	1795	271
	WV-061-006029-004	Robin L. Libert	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	582
L	WV-061-006016-001	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	72
M	WV-061-006016-001	Jimmy Randall Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	72
	WV-061-006019-002	Roxana Cahill	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	512
	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
N	WV-061-005747-001	Piney Holdings Inc.	Northeast Natural Energy LLC	12.5% or Greater	1730	306
	WV-061-005747-002	Ridgetop Appalachia, LLC	Northeast Natural Energy LLC	12.5% or Greater	1730	25
	WV-061-005769-001	Equinor USA Onshore Properties, Inc.	Northeast Natural Energy LLC	12.5% or Greater	1738	803



Expedited Motrs (3)

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

December 24, 2022

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

Re: Expedited Permit Modification Request  
Sullivan 3H – API # 47-061-01901  
Sullivan 5H – API # 47-061-01918  
Sullivan 9H - API # 47-061-01920

Dear Permit Reviewer,

Please find enclosed expedited permit modification requests to extend the lateral on our Sullivan 3H, 5H, and 9H wells. No other changes have been made to the permitted applications.

Should you have any questions please contact me at [kbrooks@nne-llc.com](mailto:kbrooks@nne-llc.com).

Sincerely,

*Kristen Brooks*

Kristen Brooks  
Operations Analyst



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

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## Expedited Modification Horizontal H6A Well Work Permit API : (47-061-01920)

1 message

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

Wed, Jan 4, 2023 at 9:14 AM

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):

**47-061-01920 - SULLIVAN 9H**

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

 **47-061-01920 - mod.pdf**  
9336K

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

01/06/2023