



west virginia department of environmental protection

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

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

Monday, March 14, 2022
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 4H
47-061-01893-00-00

Extended Lateral Length

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: 4H
Farm Name: YOST HERITAGE INC
U.S. WELL NUMBER: 47-061-01893-00-00
Horizontal 6A New Drill
Date Modification Issued: 3/14/2022

Promoting a healthy environment.

03/18/2022

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 Blacksville
Operator ID County District Quadrangle

2) Operator's Well Number: 4H Well Pad Name: Yost

3) Farm Name/Surface Owner: Yost Heritage Inc Public Road Access: Daybrook Road/218

4) Elevation, current ground: 1,494' Elevation, proposed post-construction: 1,494'

5) Well Type (a) Gas X Oil NA Underground Storage NA
Other NA

(b) If Gas Shallow X Deep NA
Horizontal X

*SDW
2/23/22*

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 8,280', 103', 3600 PSI

RECEIVED
Office of Oil and Gas
MAR 01 2022

8) Proposed Total Vertical Depth: 8,280'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 21,270'

WV Department of
Environmental Protection

11) Proposed Horizontal Leg Length: 12,217'

12) Approximate Fresh Water Strata Depths: 1,378'

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

14) Approximate Saltwater Depths: 2,410'

15) Approximate Coal Seam Depths: 320', 712'

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: _____
Depth: _____
Seam: _____
Owner: _____

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	100'	100'	CTS
Fresh Water	13-3/8"	New	J-55	54.5	1,490'	1,460'	CTS
Coal					NA	NA	
Intermediate	9-5/8"	New	J-55	36	2,660'	2,630'	CTS
Production	5-1/2"	New	P-110	20	21,270'	21,240'	5,014
Tubing	2-7/8"	New	P-110	6.5	NA	8,500'	NA
Liners							

*SDW
2/23/22*

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"	32"	.375"	NA	NA	Class A	1.19
Fresh Water	13-3/8"	17 1/2"	.380"	2,730	500	Class A	1.19
Coal							
Intermediate	9-5/8"	12 3/8"	.395"	3,520	2,800	Class A	1.19
Production	5-1/2"	8 3/4"	.361"	14,360	11,500	50:50 Poz	1.16
Tubing	2-7/8"	NA	.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 set 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 casing 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): 31.12

22) Area to be disturbed for well pad only, less access road (acres): 10.4

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:

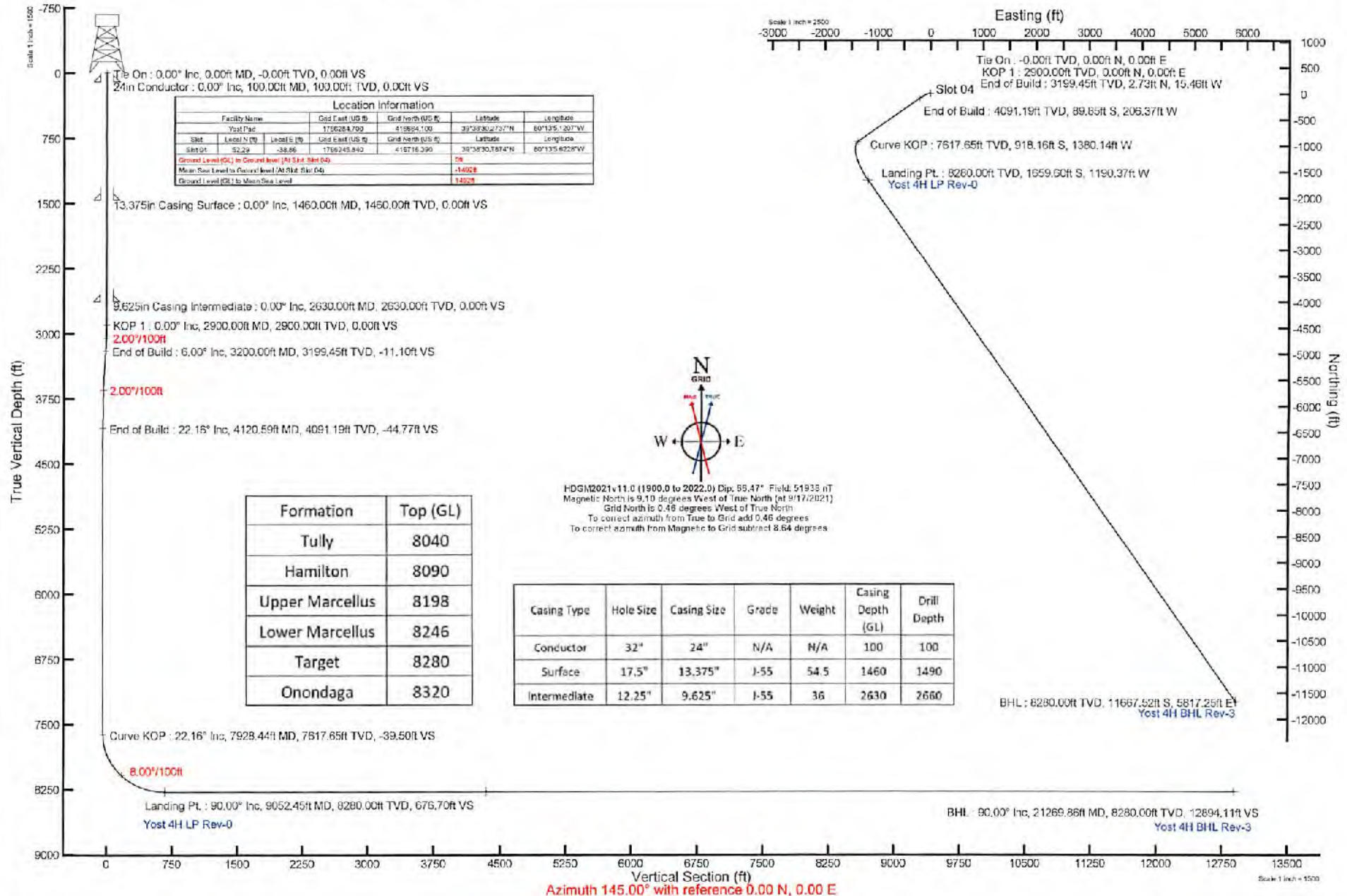
Surface & intermediate on air will utilize high volumetric flow rates of air to ensure the wellbore is clean prior to TOH.
Production section will utilize synthetic oil based drilling mud to properly clean the wellbore. At TD, pump rate and rotation will be maximized and tripping will not begin until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

*Note: Attach additional sheets as needed.

NORTHEAST NATURAL ENERGY, LLC

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

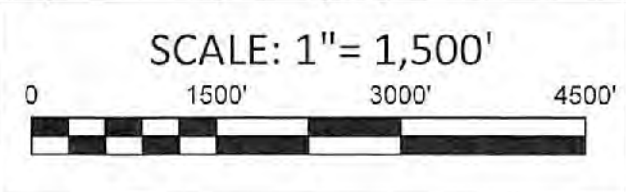
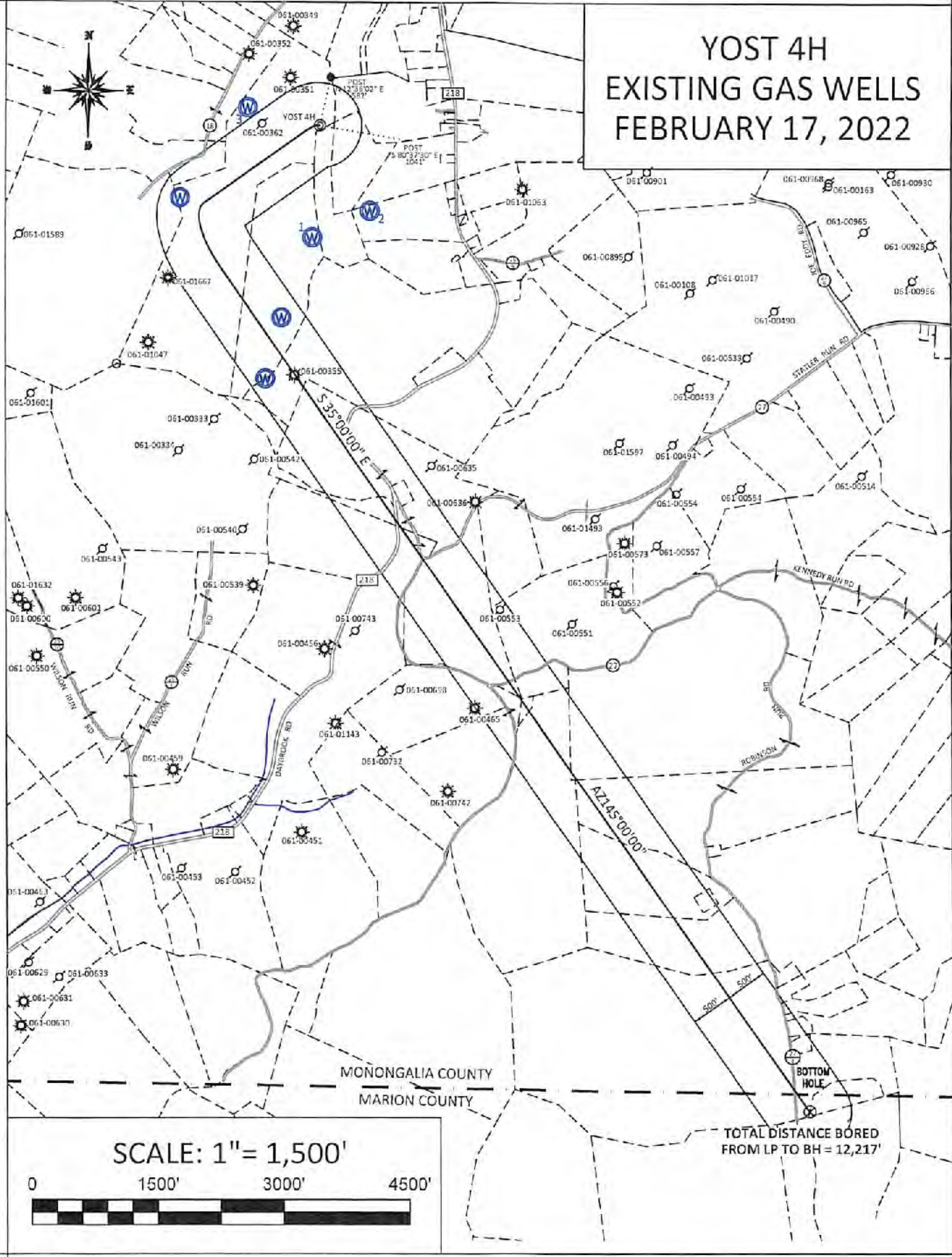
Slot: Slot 04
 Well: Yost 4H
 Wellbore: Yost 4H PWB



Vertical Section (ft)
 Azimuth 145.00° with reference 0.00 N, 0.00 E

Scale 1 inch = 1500

YOST 4H EXISTING GAS WELLS FEBRUARY 17, 2022

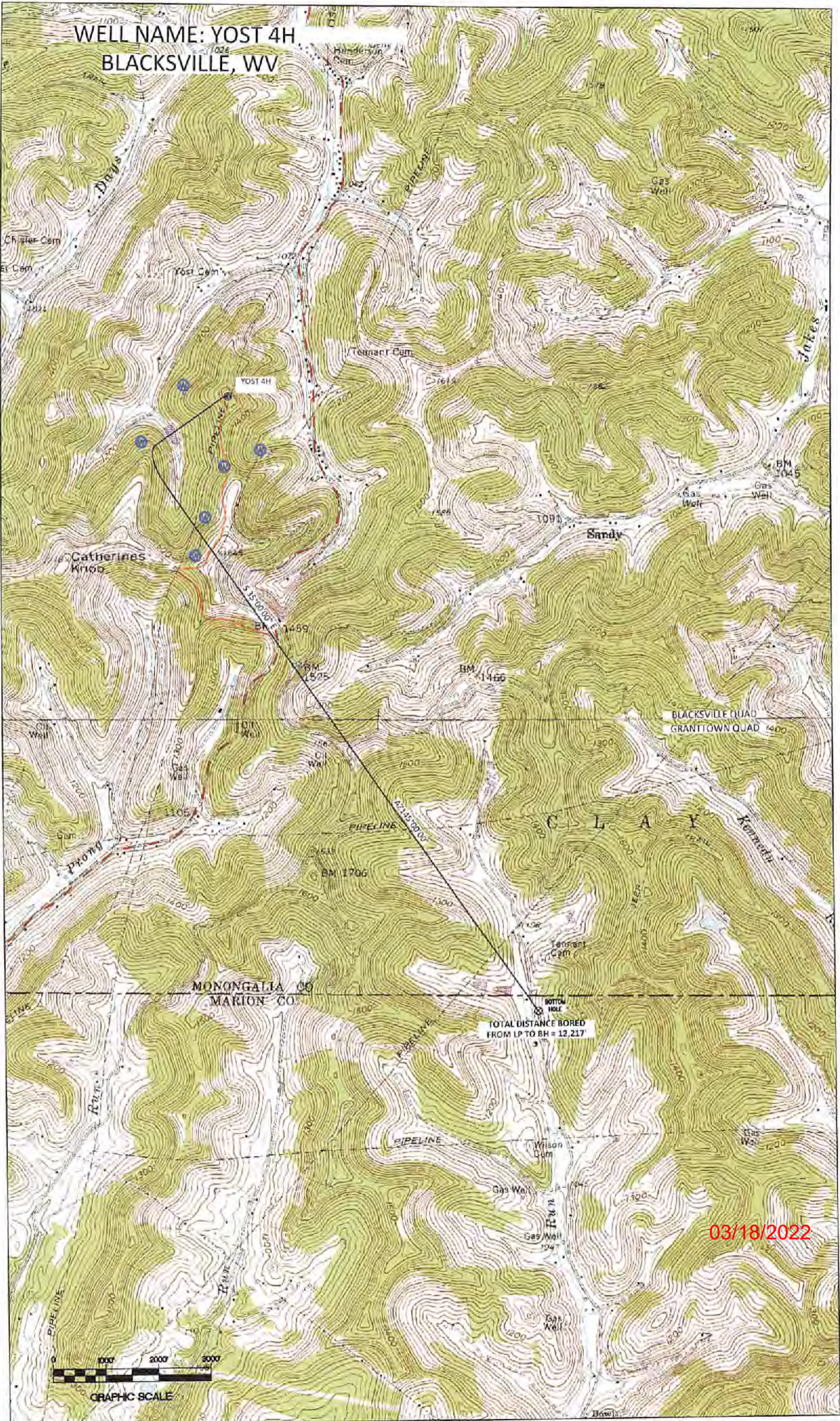


TOTAL DISTANCE BORED
FROM LP TO BH = 12,217'

YOST 4H AREA OF REVIEW

API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Comments
061-00362	Daybrook Dev	F2-533	Eastern Associated / Peabody Coal Company	39.641081	-80.220134	4-19-43.1	2471	Big Injun
061-00355	L S Yost	2	South Penn Oil (S. Penn Natural Gas)	39.633801	-80.219204	4-19-44	2440	Plugged 2/12/1977
061-00553	James Eddy	1	East Resources, Inc.	39.626229	-80.210458	4-20-47	NA	Plugged 3/11/2005
061-00465	J G Conaway	2	Pennzoil Company	39.623051	-80.211506	4-25-01.1	2348	Big Injun

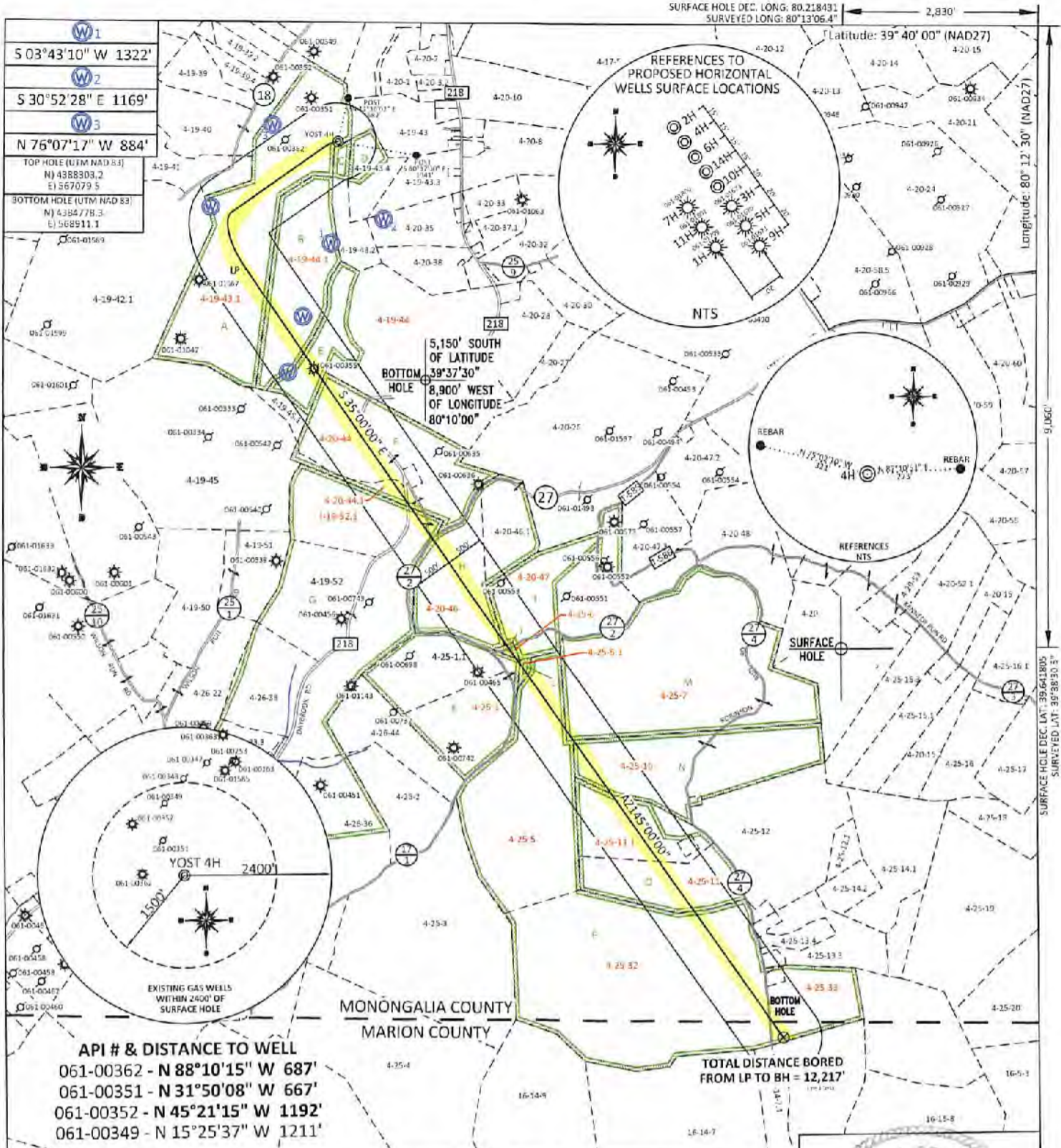
WELL NAME: YOST 4H
BLACKSVILLE, WV



TOTAL DISTANCE BORED
FROM LP TO BH = 12,217

03/18/2022





FILE #: NEE14
 DRAWING #: 3036
 SCALE: PLAT: 1" = 1800'
 TICK MARK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE: SUBMETER MAPPING
 OF ELEVATION: 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: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / CLAY
 SURFACE OWNER: YOST HERITAGE INC
 OIL & GAS ROYALTY OWNER:
 LEASE NUMBERS:

DATE: FEBRUARY 24, 2022
 OPERATOR'S WELL #: YOST 4H
 API WELL #: 47 61 01893
 STATE COUNTY PERMIT

AS-BUILT ELEVATION: 1,494.93'
 QUADRANGLE: BLACKSVILLE, WV
 ACREAGE: 93.08 +/-
 ACREAGE: 1104.079 +/-

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: 8,280' TMD: 21,270'
 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
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PROPERTY OWNER INDEX	
4-19-43.1	YOST HERITAGE INC
4-19-44.1	YOST HERITAGE INC
4-19-44	LOIS JEAN MCCOY, SANDY L MOORE ET AL
4-20-44	GARY D YOST
4-20-44.1	YOST HERITAGE INC
4-19-52.1	YOST HERITAGE INC
4-19-52	LARRY F & BRENDA KAY KUHN
4-25-11.1	KITTY S HAYES
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4-25-7	EVA V & ROGER A TULANOWSKI; RONALD T TULANOWSKI II
4-25-10	KITTY S WOLFE & CRYSTAL L HAYES
4-25-33	EDWARD & KARLA STROSNIDER

LEASE INDEX			
A	WV-061-001043-002	H	WV-061-004923-001
B	WV-061-001043-002	I	WV-061-005854-001
C	WV-061-001043-002	J	WV-061-004923-001
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DRAWING #: 2977

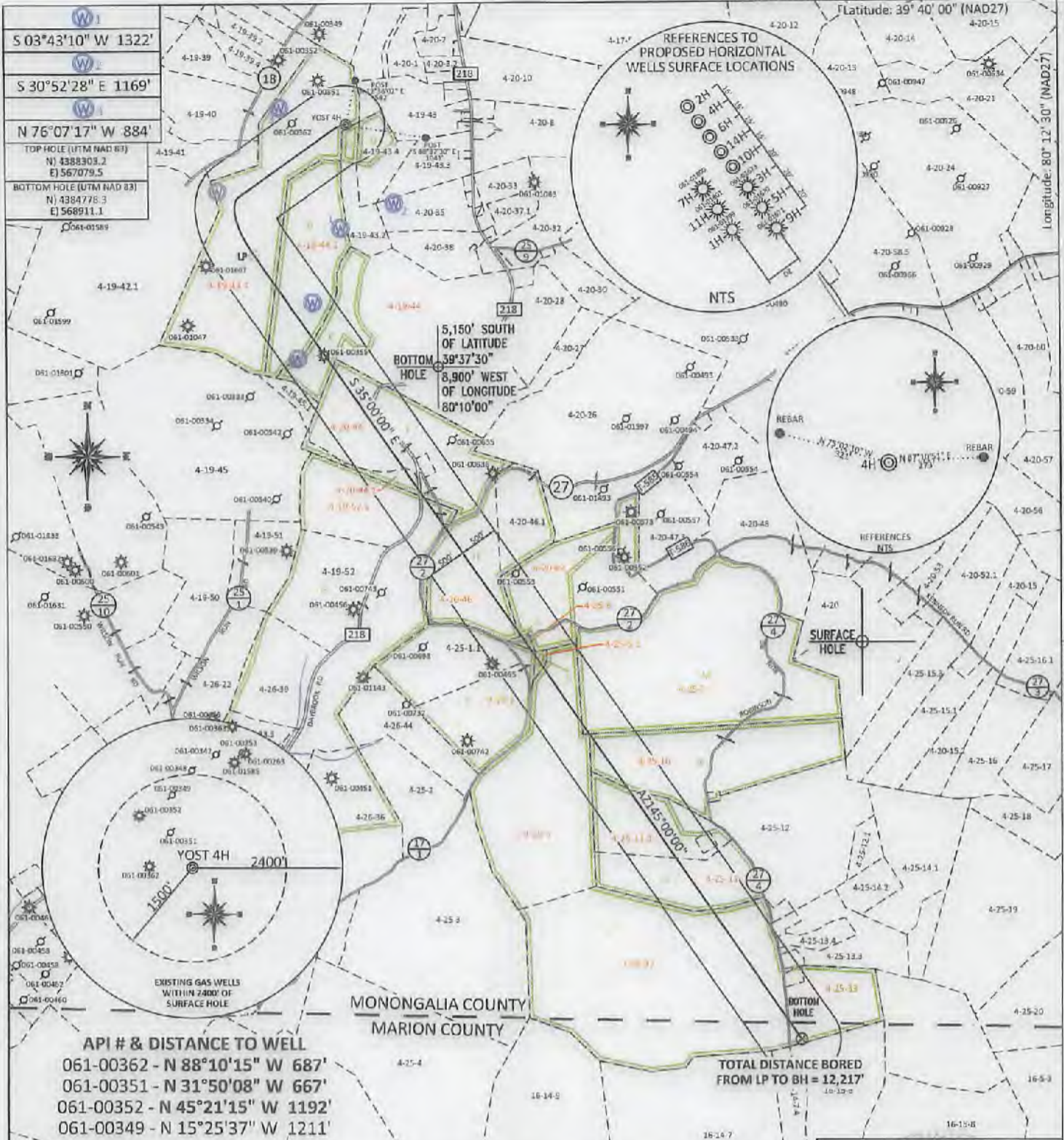
SCALE: N/A

DATE: FEBRUARY 24, 2022

OPERATOR'S WELL #: YOST 4H

API WELL #: 47 61 01893
STATE COUNTY PERMIT

SURFACE HOLE DEC. LONG: 80.218431 SURVEYED LONG: 80°13'06.4" 2,830'



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Signed:

L.L.S. #2124 : Ernest J. Benchek III



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WATERSHED: DUNKARD CREEK

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AS-BUILT ELEVATION: 1,494.93'

QUADRANGLE: BLACKSVILLE, WV

ACREAGE: 93.08 + 03/18/2022

ACREAGE: 1104.079 +/-

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

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ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200

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ESTIMATED DEPTH: TVD: 8,280' TMD: 21,270'

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		P	WV-049-004080-001

03/18/2022

FILE #: NEE14

DRAWING #: 2977

SCALE: N/A

DATE: FEBRUARY 24, 2022

OPERATOR'S WELL #: YOST 4H

API WELL #: 47 61 01893 - M&D
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-061-001043-002	Yost Heritage, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1512	513
B	WV-061-001043-002	Yost Heritage, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1512	513
C	WV-061-001043-002	Yost Heritage, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1512	513
	WV-061-004558-004	Cornell Cummins	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	600
D	WV-061-000682-000	Yost Heritage, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1513	611
	WV-061-000682-035	Chad D. Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	809
	WV-061-000682-006	Donald Spencer Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1449	304
	WV-061-000682-003	Bryan D. Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1449	310
	WV-061-000682-006	Donald L. Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1449	308
	WV-061-000682-009	Thomas A. Tennant	Northeast Natural Energy, LLC	12.5% Royalty or More	1450	455
	WV-061-000682-012	Robert Leon Pyles	Northeast Natural Energy, LLC	12.5% Royalty or More	1450	463
	WV-061-000682-015	James Morgan Pyles	Northeast Natural Energy, LLC	12.5% Royalty or More	1450	110
	WV-061-000682-032	Robert R. Martin	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	124
	WV-061-000682-031	Jamie Hubbard	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	659
	WV-061-000682-031	Jennifer Martin	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	659
	WV-061-000682-047	Peter Eves	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	151
	WV-061-000682-046	Tonye Billingsley	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	137
	WV-061-000682-048	Gary Eves	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	183
	WV-061-000682-052	Paul H. Gensko	Northeast Natural Energy, LLC	12.5% Royalty or More	1512	515
	WV-061-000682-043	John F. Gensko	Northeast Natural Energy, LLC	12.5% Royalty or More	1511	548
	WV-061-000682-045	Mary Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1504	758
	WV-061-000682-040	Lawrence Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	925
	WV-061-000682-044	Sandra J. Swartz	Northeast Natural Energy, LLC	12.5% Royalty or More	1509	769
	WV-061-000682-041	Thomas Andrew Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1506	431
	WV-061-000682-049	Clarence Joseph Womer, Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1510	76
	WV-061-000682-025	Karen Markie	Northeast Natural Energy, LLC	12.5% Royalty or More	1460	125
	WV-061-000682-038	Carol Broadhurst	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	794
	WV-061-000682-037	Milcee Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	792
	WV-061-000682-042	Daniel J. Taub, Sr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	147
	WV-061-000682-014	Charles H. Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1453	221
	WV-061-000682-019	Robert A. Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1456	50
	WV-061-000682-010	Esther L. Morris	Northeast Natural Energy, LLC	12.5% Royalty or More	1450	457
	WV-061-000682-011	Dorothy L. Kollar	Northeast Natural Energy, LLC	12.5% Royalty or More	1450	465
	WV-061-000682-053	Roger E. Goldthwaite	Northeast Natural Energy, LLC	12.5% Royalty or More	1511	769
	WV-061-000682-035	Gordon J. Goldthwaite	Northeast Natural Energy, LLC	12.5% Royalty or More	1503	661
	WV-061-000682-036	Jamie Spark	Northeast Natural Energy, LLC	12.5% Royalty or More	1502	540
	WV-061-000682-034	Charles M. Spark	Northeast Natural Energy, LLC	12.5% Royalty or More	1510	710
	WV-061-000682-021	Pamela Ruth Spark Natho	Northeast Natural Energy, LLC	12.5% Royalty or More	1458	710
E	WV-061-001043-002	Yost Heritage, Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1512	513
F	WV-061-004923-001	Fortune Development, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1613	344
	WV-061-003402-001	MM-Marcellus II, LP	Northeast Natural Energy, LLC	12.5% Royalty or More	1684	93
	WV-061-004640-001	James E. Thorne II	Northeast Natural Energy, LLC	12.5% Royalty or More	1598	609
	WV-061-004640-001	Ryan Neal Thorne	Northeast Natural Energy, LLC	12.5% Royalty or More	1598	609
	WV-061-004621-001	Westhawk Minerals LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	73
G	WV-081-005854-001	EQT	Northeast Natural Energy, LLC	12.5% Royalty or More	1764	14
H	WV-061-004923-001	Fortune Development, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1613	344
	WV-061-003402-001	MM-Marcellus II, LP	Northeast Natural Energy, LLC	12.5% Royalty or More	1684	93
	WV-061-004640-001	James E. Thorne II	Northeast Natural Energy, LLC	12.5% Royalty or More	1598	609
	WV-061-004640-001	Ryan Neal Thorne	Northeast Natural Energy, LLC	12.5% Royalty or More	1598	609
	WV-061-004621-001	Westhawk Minerals LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	73
I	WV-061-005854-001	EQT	Northeast Natural Energy, LLC	12.5% Royalty or More	1764	14
J	WV-061-004923-001	Fortune Development, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1613	344
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	WV-061-004640-001	James E. Thorne II	Northeast Natural Energy, LLC	12.5% Royalty or More	1598	609
	WV-061-004640-001	Ryan Neal Thorne	Northeast Natural Energy, LLC	12.5% Royalty or More	1598	609
	WV-061-004621-001	Westhawk Minerals LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1595	73
K	WV-061-004016-013	John Conaway	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	775
	WV-061-004016-015	Darrell Conaway	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	779
	WV-061-004016-014	Dwight Conaway	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	777
	WV-061-004016-009	Lurella R. Conaway	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	767
	WV-061-004016-007	Joyce A. Grimm Hughes	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	451
	WV-061-004016-006	Keith A. Grimm	Northeast Natural Energy, LLC	12.5% Royalty or More	1593	458

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-004016-018	Mary Kathryn Snider	Northeast Natural Energy, LLC	12.5% Royalty or More	1596	504
	WV-061-004016-020	David Paul Stevens	Northeast Natural Energy, LLC	12.5% Royalty or More	1596	610
	WV-061-004016-022	Earl P. Stevens II	Northeast Natural Energy, LLC	12.5% Royalty or More	1600	15
	WV-061-004016-010	Richard Lee Toothman	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	769
	WV-061-004016-017	Jeffrey K. Tuttle	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	783
	WV-061-004016-016	Kyle E. Tuttle	Northeast Natural Energy, LLC	12.5% Royalty or More	1594	781
L	WV-049-004080-001	Margaret Barr Couch	Northeast Natural Energy, LLC	12.5% Royalty or More	1709	291
	WV-049-004080-002	Candice R. Southard	Northeast Natural Energy, LLC	12.5% Royalty or More	1709	289
	WV-049-004080-003	Mary Gail Vinson	Northeast Natural Energy, LLC	12.5% Royalty or More	1709	287
M	WV-061-005853-001	Shuman	Northeast Natural Energy, LLC	12.5% Royalty or More	148	400
N	WV-061-005853-001	Shuman	Northeast Natural Energy, LLC	12.5% Royalty or More	148	400
O	WV-061-005854-001	EQT	Northeast Natural Energy, LLC	12.5% Royalty or More	1764	14
P	WV-049-004080-001	Margaret Barr Couch	Northeast Natural Energy, LLC	12.5% Royalty or More	1709	291
	WV-049-004080-002	Candice R. Southard	Northeast Natural Energy, LLC	12.5% Royalty or More	1709	289
	WV-049-004080-003	Mary Gail Vinson	Northeast Natural Energy, LLC	12.5% Royalty or More	1709	287

Permit Modification

Received date: 3/1/22

Well Name: 4H

Operator: NNE

API: 61-01893

Pad Name: Yoot

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	8280 =	8280 ✓
TMD	21270 =	12724 *
HL	12217	3672 *
FW	1378	1378 ✓
SW	2410	2410 ✓
COAL	310,712	310,720 ✓
CONDUCTOR	100 ✓	100 ✓
FRESHWATER	1490 ✓	1460 1490 ✓
INTERMEDIATE 1	2660 ✓	2630 2660 ✓
INTERMEDIATE 2		
PRODUCTION	21270	8500 \$

Notes: A-E on original

A 1043-002 ✓	J 4923-001 ✓
B 1043-002 ✓	K 4016-013 ✓
E 1043-002 ✓	L 4080-001 ✓
F 4923-001 ✓	M 5853-001 ✓
G 5854-001 ✓	N 5853-001 ✓
H 4923-001 ✓	O 5854-001 ✓
I 5854-001 ✓	P 4080-001 ✓



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

Modifications Horizontal H6A Well Work Permit API: 47-061-01892, 01893, 01894, 01895, & 01896)

1 message

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

Wed, Mar 16, 2022 at 8:24 AM

To: Hollie Medley <hmedley@nne-llc.com>, Kristen Brooks <kbrooks@nne-llc.com>, Mark Musick <mmusick@assessor.org>, "Greynolds, Kenneth L" <kenneth.l.greynolds@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-061-01892 - 2H

47-061-01893 - 4H

47-061-01894 - 6H

47-061-01895 - 10H


47-061-01896 - 14H - Non-Expedited


If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.


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


5 attachments

 **47-061-01892 - mod.pdf**
1761K

 **47-061-01893 - mod.pdf**
1730K

 **47-061-01894 - mod.pdf**
1922K

 **47-061-01895 - mod.pdf**
1980K

 **47-061-01896 - mod.pdf**
2105K