



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, July 10, 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 DOLLS RUN 3H
47-061-01929-00-00

Lateral Extension 07/10/2023

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 blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: DOLLS RUN 3H
Farm Name: BRYAN & SIERRA VANNORMAN
U.S. WELL NUMBER: 47-061-01929-00-00
Horizontal 6A New Drill
Date Modification Issued: 07/10/2023

Promoting a healthy environment.

07/14/2023

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 Osage
Operator ID County District Quadrangle

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

3) Farm Name/Surface Owner: Bryan & Sierra VanNorman Public Road Access: Little Indian Creek Rd/SR 41

4) Elevation, current ground: 1,535' Elevation, proposed post-construction: 1,521'

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, 8,029', 110', 5,200 psi

8) Proposed Total Vertical Depth: 8,074'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,005'

11) Proposed Horizontal Leg Length: 15,485'

12) Approximate Fresh Water Strata Depths: 50', 890'

13) Method to Determine Fresh Water Depths: offset wells

14) Approximate Saltwater Depths: 2,299'

15) Approximate Coal Seam Depths: 399', 890'

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: _____

Digitally signed by
Gayne Knitowski
Date: 2023.06.23
08:20:05 -04'00'

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26"	New	NA	NA	100	100' ✓	GTS
Fresh Water	13-3/8"	New	J-55	54.5	1,070'	1,040' ✓	CTS
Coal							
Intermediate	9-5/8"	New	J-55	36	2,530'	2,500 ✓	CTS
Production	5-1/2"	New	P-110	20	24,005'	23,975' ✓	5813
Tubing	2-7/8"	New	P-110	6.5	NA		
Liners							

Gayne Knitowski
Digitally signed by Gayne Knitowski
Date: 2023.06.23 08:20:32 -0400 ✓

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26"	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	2,800	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	0.271	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): 27.36

22) Area to be disturbed for well pad only, less access road (acres): 10.01

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:

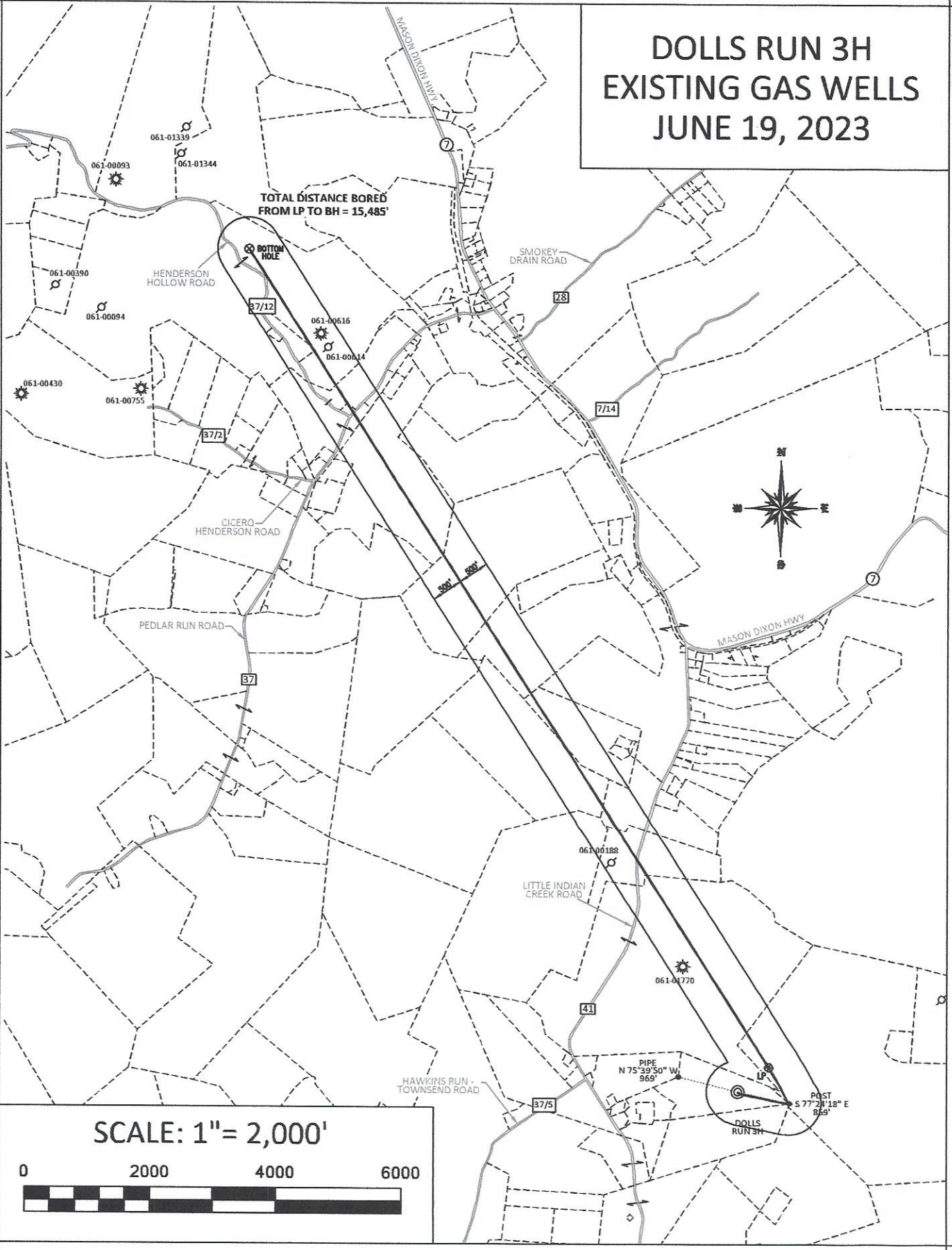
Surface: Class A or L Cement + Max 3% bwoc Calcium Chloride Fresh Water blend. ✓
Intermediate: Class A or L Cement + Max 3% bwoc Calcium Chloride + Fresh Water.
Production: 50:50 Poz (Fly Ash & Class A or L) plus additives such as defoamer, retarder, & fluid loss to meet well specific requirements

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.

DOLLS RUN 3H EXISTING GAS WELLS JUNE 19, 2023



07/14/2023

DOLLS RUN 3H AREA OF REVIEW

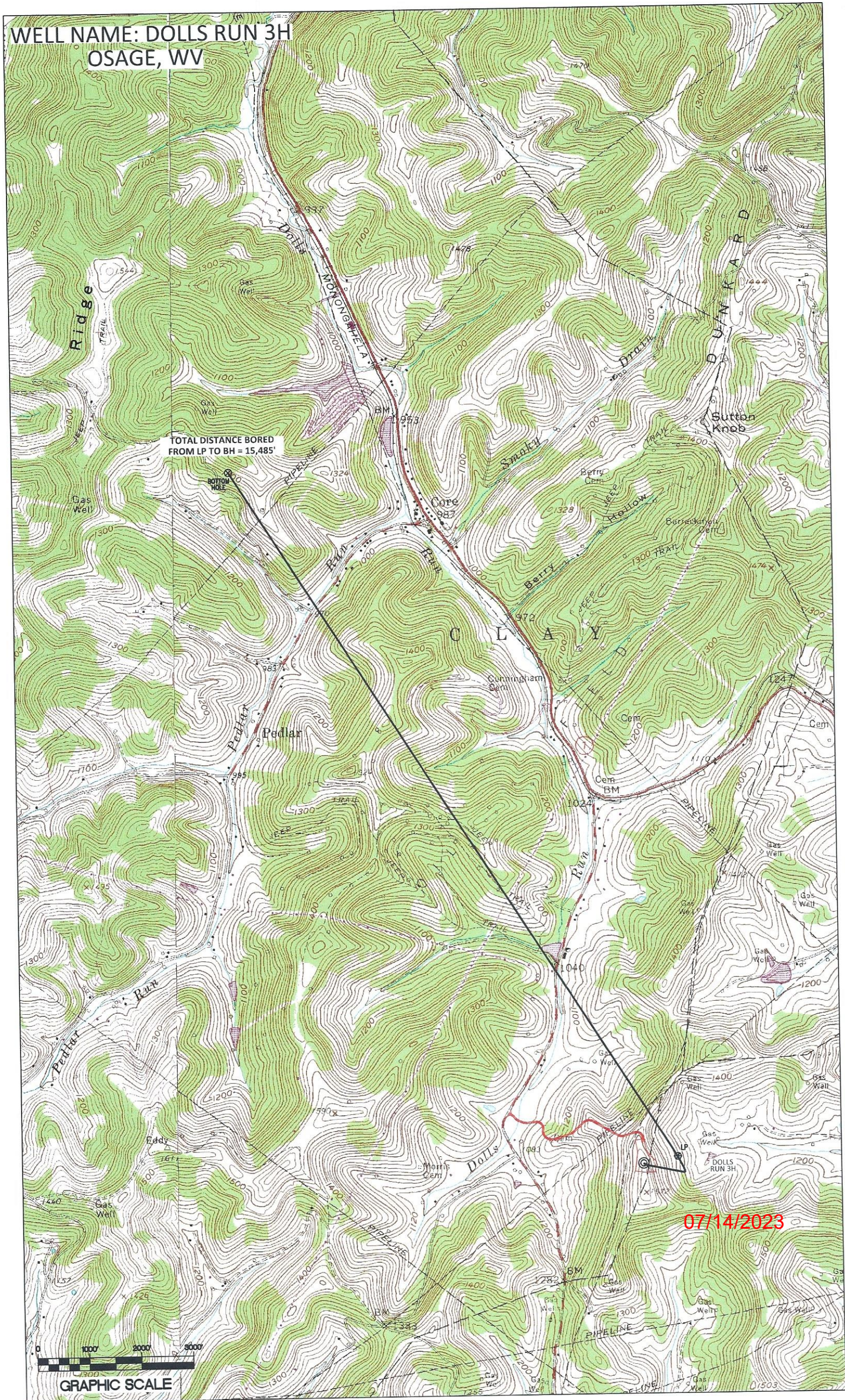
API Number	Well Name	Well Number	Operator	Latitude (NAD 83)	Longitude (NAD 83)	TMP	TVD	Notes
061-01770	NA	NA	NA	NA	NA	4-15-41	NA	NA
061-00188	L B Wildman Heirs	1	NA	39.655717	-80.100391	4-15-40.1	2895'	NA
061-00616	Bruce Henderson	2	Chrisman Drilling Co.	39.678842	-80.117079	4-12-6	4095'	NA
061-00614	Burce Henderson	1	Chrisman Drilling Co.	39.678247	-80.116668	4-12-6	1732'	Plugged 1/16/81

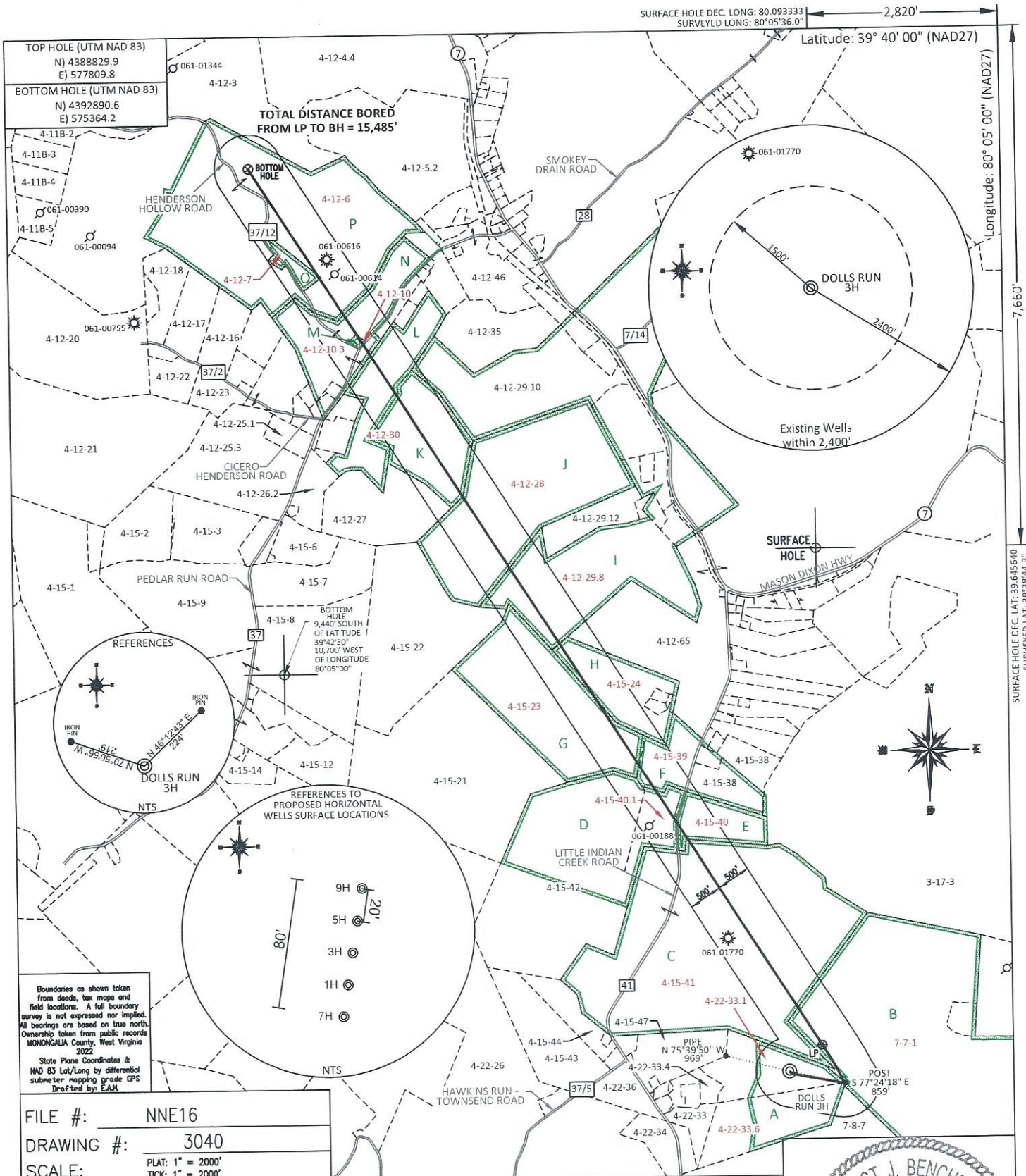
07/14/2023

WELL NAME: DOLLS RUN 3H
OSAGE, WV

TOTAL DISTANCE BORED
FROM LP TO BH = 15,485'

07/14/2023





FILE #: NNE16
 DRAWING #: 3040
 SCALE: PLAT: 1" = 2000'
 TICK: 1" = 2000'

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WVDEP

OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

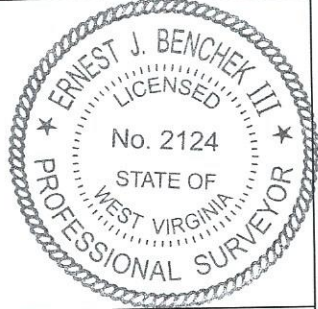
Well Type: Oil Waste Diposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / CLAY
 SURFACE OWNER: BRYAN & SIERRA VANNORMAN
 OIL & GAS ROYALTY OWNER: MARK V EDDY
 LEASE NUMBERS: _____

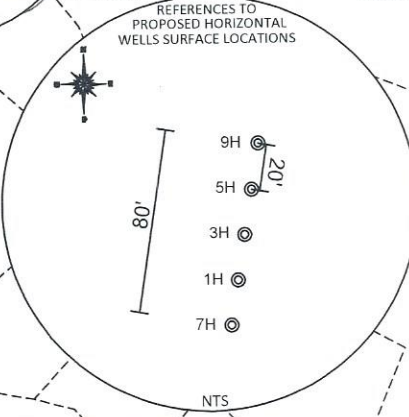
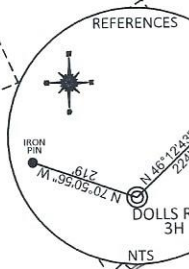
PROPOSED ELEVATION: 1,521.9'
 QUADRANGLE: OSAGE
 ACREAGE: 27.74 +/-
 ACREAGE: 1,599.15 +/-

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: 8,074' TMD: 24,005'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

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



Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records MONONGALIA County, West Virginia 2022.
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
 Drafted by EAM



07/14/2023

PROPERTY OWNER INDEX	
4-12-6	ALPHEUS MICHAEL HENDERSON
4-12-7	JEFFERIE R WRIGHT II & NICOLE M WRIGHT
4-12-10	NORMA L EDDIE IRREVOCABLE TRUST (LIFE NORMA L EDDY)
4-12-10.3	MAVIS I EDDY
4-12-28	MELISSA T HETTMAN & ERIN ALLEN
4-12-29.8	MELISSA T HETTMAN & ERIN ALLEN
4-12-30	ROBERT C WALLS FAMILT TRUST (LIFE- DIANA LYNN WALLS)
4-15-23	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-39	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-40	LEROY E & GLENNA J TENNANT LEGACY PROTECTOR TRUST
4-15-40.1	STATE OF WEST VIRGINIA BUREAU OF COMMERCE
4-15-41	DONNA N & ROBERT ALLEN WRIGHT
4-22-33.1	DENNIS J & MELINDA S THORNE
4-22-33.6	DANIEL D & MARTHA P SPERANDIO
4-15-24	RICHARD L & THOMASINE WEBER
7-7-1	OWEN REALTY CO INC

LEASE INDEX			
A	WV-061-004020-000	I	WV-061-006385-001
B	WV-061-086230-001	J	WV-061-001111-008
C	WV-061-005246-002	K	WV-061-002357-000
D	WV-061-004237-001	L	WV-061-002357-000
E	WV-061-004237-001	M	WV-061-003768-014
F	WV-061-004237-001	N	WV-061-005615-008
G	WV-061-001575-014	O	WV-061-003525-012
H	WV-061-005524-007	P	WV-061-003525-012

07/14/2023

FILE #: NEE14

DRAWING #: 3040

SCALE: N/A

DATE: JUNE 21, 2023

OPERATOR'S WELL #: DOLLS RUN 3H

API WELL #: 47 61 01929
STATE COUNTY PERMIT

WW-6A1
(5/13)

Operator's Well No. Dolls Run 3H

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

Page 1 of 4

07/14/2023

WW6A-1

Operators Well No. Dolls Run 3H

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
A	WV-061-004020-000	Mark V. Eddy	Northeast Natural Energy, LLC	12.5% Royalty or More	1505	572
	WV-061-002154-006	Donald Ayersman	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	413
	WV-061-002154-008	Raymond D. Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	650
	WV-061-002154-005	Deloris Hoey	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	411
B	WV-061-086230-001	Shuman Inc.	Northeast Natural Energy, LLC	12.5% Royalty or More	1800	88
	WV-061-005246-002	Beverly J. Core	Northeast Natural Energy, LLC	12.5% Royalty or More	1642	145
C	WV-061-004237-001	Howard Keener, Administrator C.T.A. of the Estate of Luwema Belle Wildman	Washington Oil Company	12.5% Royalty or More	417	144
		Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
D		Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
		United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329
		Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677
		Jerome Klubeck	N-K, LLC	12.5% Royalty or More	65	373
		N-K, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	130	840
		Howard Keener, Administrator C.T.A. of the Estate of Luwema Belle Wildman	Washington Oil Company	12.5% Royalty or More	417	144
		Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
		Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
		United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329
		Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677
E	WV-061-004237-001	Jerome Klubeck	N-K, LLC	12.5% Royalty or More	65	373
	WV-061-004237-001	N-K, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	130	840
	WV-061-004237-001	Howard Keener, Administrator C.T.A. of the Estate of Luwema Belle Wildman	Washington Oil Company	12.5% Royalty or More	417	144
	WV-061-004237-001	Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
	WV-061-004237-001	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
	WV-061-004237-001	United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329
	WV-061-004237-001	Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677
	WV-061-004237-001	Jerome Klubeck	N-K, LLC	12.5% Royalty or More	65	373
	WV-061-004237-001	N-K, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	130	840
	WV-061-004237-001	Howard Keener, Administrator C.T.A. of the Estate of Luwema Belle Wildman	Washington Oil Company	12.5% Royalty or More	417	144
F	WV-061-004237-001	Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
	WV-061-004237-001	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
	WV-061-004237-001	United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329
	WV-061-004237-001	Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677
	WV-061-004237-001	Jerome Klubeck	N-K, LLC	12.5% Royalty or More	65	373
	WV-061-004237-001	N-K, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	130	840
	WV-061-004237-001	Howard Keener, Administrator C.T.A. of the Estate of Luwema Belle Wildman	Washington Oil Company	12.5% Royalty or More	417	144
	WV-061-004237-001	Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
	WV-061-004237-001	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
	WV-061-004237-001	United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329
G	WV-061-001575-014	John M. Maxon	N-K, LLC	12.5% Royalty or More	130	840
	WV-061-001575-008	Charles E. Maxon, Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1684	63
	WV-061-001575-010	Robert William Dow	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	341
	WV-061-001575-010	Christine Louise Dow Hutt	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	387
	WV-061-001575-011	James T. Maxon	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	345
	WV-061-001575-012	Anna M. Crandall	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	347
	WV-061-001575-013	Joseph A. Maxon, Jr.	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	349
	WV-061-001575-009	Tamela L. Edwards	Northeast Natural Energy, LLC	12.5% Royalty or More	1678	343
	WV-061-001575-015	Raymond D. Williams	Northeast Natural Energy, LLC	12.5% Royalty or More	1687	497
	WV-061-005524-007	Gregg V. Barbe	Northeast Natural Energy, LLC	12.5% Royalty or More	1687	497
H	WV-061-005524-004	Anita Hudson	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	421
	WV-061-005524-005	Richard E. King	Northeast Natural Energy, LLC	12.5% Royalty or More	1657	436
	WV-061-005524-012	Shirley F. Zuppler	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	417
	WV-061-005524-017	Kevin L. Johnson	Northeast Natural Energy, LLC	12.5% Royalty or More	1787	48
	WV-061-005524-009	Michael Scott Gooden	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	624
	WV-061-005524-018	Sherri Gooden Davis	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	425
	WV-061-005524-016	Tacia Lynn Smith Thompson	Northeast Natural Energy, LLC	12.5% Royalty or More	1805	660
	WV-061-005524-006	Lee Ann Gooden Lippencott	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	419
	WV-061-005524-010	Paul Francis Gooden	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	354
	WV-061-005524-007	Gregg V. Barbe	Northeast Natural Energy, LLC	12.5% Royalty or More	1687	497
I	WV-061-006385-001	CNX Gas Company, LLC	Northeast Natural Energy, LLC	12.5% Royalty or More	1812	592
	WV-061-001111-008	Adam Cunningham	E.M. Hukill	12.5% Royalty or More	25	393
	WV-061-001111-008	Edwin M. Hukill	South Penn Oil Company	12.5% Royalty or More	31	262
	WV-061-001111-008	South Penn Oil Company	Marion Oil Company	12.5% Royalty or More	31	286
	WV-061-001111-008	Marion Oil Company	Washington Oil Company	12.5% Royalty or More	219	115
	WV-061-001111-008	Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
	WV-061-001111-008	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
	WV-061-001111-008	United Petroleum Corporation	Northern United Petroleum Company	12.5% Royalty or More	9	177; 210
	WV-061-001111-008	Northern United Petroleum Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	427
	WV-061-001111-008	Adam Cunningham	E.M. Hukill	12.5% Royalty or More	25	393
J	WV-061-001111-008	Edwin M. Hukill	South Penn Oil Company	12.5% Royalty or More	31	262
	WV-061-001111-008	South Penn Oil Company	Marion Oil Company	12.5% Royalty or More	31	286
	WV-061-001111-008	Marion Oil Company	Washington Oil Company	12.5% Royalty or More	219	115
	WV-061-001111-008	Washington Oil Company	Northern United Petroleum Company	12.5% Royalty or More	9	148
	WV-061-001111-008	Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	217
	WV-061-001111-008	United Petroleum Corporation	Northern United Petroleum Company	12.5% Royalty or More	9	177; 210
	WV-061-001111-008	Northern United Petroleum Company	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	427
	WV-061-001111-008	Adam Cunningham	E.M. Hukill	12.5% Royalty or More	25	393
	WV-061-001111-008	Edwin M. Hukill	South Penn Oil Company	12.5% Royalty or More	31	262
	WV-061-001111-008	South Penn Oil Company	Marion Oil Company	12.5% Royalty or More	31	286

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
		Northern United Petroleum Company	United Petroleum Corporation	12.5% Royalty or More	9	282
		United Petroleum Corporation	Chill Can International, Ltd.	12.5% Royalty or More	9	329
		Chill Can International, Ltd.	Jerome Klubeck	12.5% Royalty or More	9	677
		Jerome Klubeck	N-K, LLC	12.5% Royalty or More	1215	380
	WV-061-001111-008		Northeast Natural Energy, LLC	12.5% Royalty or More	130	840
K	WV-061-002357-000	Robert Clair Walls Family Trust	Northeast Natural Energy, LLC	12.5% Royalty or More	1629; 1808	110; 182
L	WV-061-002357-000	Robert Clair Walls Family Trust	Northeast Natural Energy, LLC	12.5% Royalty or More	1629; 1808	110; 182
M	WV-061-003768-014	Ina Carolyn Webb	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	319
	WV-061-003768-018	Janice Kay Currey	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	213
	WV-061-003768-015	Betty S. Currey, f/k/a Betty C. McDougal	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	320
	WV-061-005964-009	John Reed Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	321
	WV-061-003768-016	Suzanne Gripper	Northeast Natural Energy, LLC	12.5% Royalty or More	1799	448
	WV-061-006028-015	Amie Y. Bearden	Northeast Natural Energy, LLC	12.5% Royalty or More	1799	458
	WV-061-005965-003	Judith Lucas Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	219
	WV-061-003768-021	Shirley D. Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1800	422
	WV-061-005964-010	Scott Steven Young	Northeast Natural Energy, LLC	12.5% Royalty or More	1800	422
	WV-061-006028-006	Wanda Anderson	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	572
	WV-061-006028-018	Jennifer Albert, f/k/a Jennifer Butz	Northeast Natural Energy, LLC	12.5% Royalty or More	1800	436
	WV-061-005964-002	James L. Anderson	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	456
	WV-061-005965-002	Gary Ralph Straight	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	311
	WV-061-006028-004	Jean A. Sproull, a/k/a Jean Ann Sproull	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	585
	WV-061-005964-007	Cheryl Lane Gould, a/k/a Cheryl Lane Dunbar, a/k/a Sherry Dunbar Gould	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	342
	WV-061-005964-006	Betty Rose Henry	Northeast Natural Energy, LLC	12.5% Royalty or More	1798	424
	WV-061-003768-019	Donald Morley	Northeast Natural Energy, LLC	12.5% Royalty or More	1799	442
	WV-061-005964-001	Deborah K. Weathersby	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	215
	WV-061-005965-001	Loretta Hardesty	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	579
	WV-061-003768-022	Margie Kay Rogan	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	583
	WV-061-006028-003	John Paul Berry a/k/a John Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	221
	WV-061-006028-010	Robert Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	340
	WV-061-006028-002	John F. Pafford III	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	580
	WV-061-006028-008	Deena Albers, a/k/a Deena Berry Albers	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	338
	WV-061-006028-012	Betty Sander	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	576
	WV-061-006028-009	Ronald A. Bartlett	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	313
	WV-061-006028-007	Nora Bartlett	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	578
	WV-061-003768-008	Carol Gregg, a/k/a Carol Bobo Gregg	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	574
	WV-061-003768-010	Mary Jo Bobo Gregg	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	317
	WV-061-005964-003	Lynne Labadie, f/k/a Lynne Farrington	Northeast Natural Energy, LLC	12.5% Royalty or More	1693	689
	WV-061-005964-004	Ellen K. McGuire, f/k/a Ellen McGuire Christler, f/k/a Ellen Farrington	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	305
	WV-061-006028-005	Nancy B. Robison, a/k/a Nancy Bish Robison	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	308
	WV-061-006028-001	Melinda M. Stewart, a/k/a Malinda Ann Stewart	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	492
	WV-061-003768-006	Larry A. Londot	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	576
	WV-061-003768-007	Linda Cantrell	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	315
	WV-061-005183-004	Frank H. and Collen K. Dunlap	Northeast Natural Energy, LLC	12.5% Royalty or More	1690	315
	WV-061-006028-025	Robert Wagner	Northeast Natural Energy, LLC	12.5% Royalty or More	1808; 1623	665; 168
	WV-061-005183-001	Jason R. Cryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1808	620
	WV-061-005183-007	Laura C. Young, a/k/a Laura K. Young, f/k/a Laura K. Cryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1808; 1621	183; 760
	WV-061-005183-006	Cynthia Cryder, a/k/a Cynthia E. Cryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1808; 1631	186; 439
	WV-061-005183-002	Margaret H. Cryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1808; 1631	185; 437
	WV-061-005183-003	Mary Helen Hansen	Northeast Natural Energy, LLC	12.5% Royalty or More	1808; 1621	184; 762
N	WV-061-005615-008	Ina Carolyn Webb	Northeast Natural Energy, LLC	12.5% Royalty or More	1808; 1623	664; 166
	WV-061-005615-009	Janice Kay Currey	Northeast Natural Energy, LLC	12.5% Royalty or More	1762	700
	WV-061-005615-007	Betty S. Currey, f/k/a Betty C. McDougal	Northeast Natural Energy, LLC	12.5% Royalty or More	1763	576
	WV-061-006120-008	John Reed Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1763	698
	WV-061-006028-015	Amie Y. Bearden	Northeast Natural Energy, LLC	12.5% Royalty or More	1800	392
	WV-061-005965-003	Judith Lucas Moore	Northeast Natural Energy, LLC	12.5% Royalty or More	1799	448
	WV-061-005957-007	Shirley D. Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	458
	WV-061-006120-009	Scott Steven Young	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	789
			Northeast Natural Energy, LLC	12.5% Royalty or More	1800	394

Tract	Lease Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book	Page
	WV-061-006028-006	Wanda Anderson	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	572
	WV-061-006028-018	Jennifer Albert, f/k/a Jennifer Butz	Northeast Natural Energy, LLC	12.5% Royalty or More	1800	436
	WV-061-006120-001	James L. Anderson	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	498
	WV-061-006028-011	Gary Ralph Straight	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	311
	WV-061-005965-002	Glen William Straight	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	585
	WV-061-006028-004	Jean A. Sproull, a/k/a Jean Ann Sproull	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	342
	WV-061-006120-006	Cheryl Lane Gould, a/k/a Cheryl Lane Dunbar, a/k/a Sherry Dunbar Gould	Northeast Natural Energy, LLC	12.5% Royalty or More	1798	426
	WV-061-006120-005	Betty Rose Henry	Northeast Natural Energy, LLC	12.5% Royalty or More	1799	454
	WV-061-005957-001	Donald Morley	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	302
	WV-061-005957-004	Deborah K. Weathersby	Northeast Natural Energy, LLC	12.5% Royalty or More	1780	596
	WV-061-005965-001	Loretta Hardesty	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	583
	WV-061-005957-006	Margie Kay Rogan	Northeast Natural Energy, LLC	12.5% Royalty or More	1782	306
	WV-061-006028-003	John Paul Berry a/k/a John Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	340
	WV-061-006028-010	Robert Berry	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	580
	WV-061-006028-002	John F. Pafford III	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	338
	WV-061-006028-008	Deena Albers, a/k/a Deena Berry Albers	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	576
	WV-061-006028-012	Betty Sander	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	313
	WV-061-006028-009	Ronald A. Bartlett	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	578
	WV-061-005957-009	Carol Gregg, a/k/a Carol Bobo Gregg	Northeast Natural Energy, LLC	12.5% Royalty or More	1794	574
	WV-061-005957-010	Mary Jo Bobo Gregg	Northeast Natural Energy, LLC	12.5% Royalty or More	1786	440
	WV-061-006120-002	Lynne Labadie, f/k/a Lynne Farrington	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	323
	WV-061-005120-003	Ellen K. McGuire, f/k/a Ellen McGuire Christler, f/k/a Ellen Farrington	Northeast Natural Energy, LLC	12.5% Royalty or More	1796	298
	WV-061-006028-005	Nancy B. Robison, a/k/a Nancy Bish Robison	Northeast Natural Energy, LLC	12.5% Royalty or More	1789	492
	WV-061-006028-001	Melinda M. Stewart, a/k/a Malinda Ann Stewart	Northeast Natural Energy, LLC	12.5% Royalty or More	1788	576
	WV-061-006120-014	Larry A. Londot	Northeast Natural Energy, LLC	12.5% Royalty or More	1803	574
	WV-061-006120-013	Linda Cantrell	Northeast Natural Energy, LLC	12.5% Royalty or More	1803	536
	WV-061-005957-002	Frank H. and Collen K. Dunlap	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	569
	WV-061-006028-025	Robert Wagner	Northeast Natural Energy, LLC	12.5% Royalty or More	1808	620
	WV-061-005615-003	Jason R. Cryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1760	840
	WV-061-005615-010	Laura C. Young, a/k/a Laura K. Young, f/k/a Laura K. Cryder	Northeast Natural Energy, LLC	12.5% Royalty or More	1781	509
O	WV-061-003525-012	Alpheus Henderson and Drusilla Henderson	The Chartiers Oil Company	12.5% Royalty or More	39	486
		The Chartiers Oil Company	Monongahela Natural Gas Company	12.5% Royalty or More	110	394
		Monongahela Natural Gas Company	Pittsburgh and West Virginia Gas Comp	12.5% Royalty or More	138	131
		Pittsburgh and West Virginia Gas Company	Equitable Gas Company	12.5% Royalty or More	473	477
		Equitable Gas Company	Equitrans, Inc.	12.5% Royalty or More	26	633
		Equitable Gas Company	Equitrans, Inc.	12.5% Royalty or More	121	316
		Equitable Gas Company	Noumenon Corporation	12.5% Royalty or More	60	604
		Equitable Gas Company	Noumenon Corporation	12.5% Royalty or More	128	85
P	WV-061-003525-012	Noumenon Corporation	Northeast Natural Energy, LLC	12.5% Royalty or More	128	85
	WV-061-003525-012	Alpheus Henderson and Drusilla Henderson	The Chartiers Oil Company	12.5% Royalty or More	39	486
		The Chartiers Oil Company	Monongahela Natural Gas Company	12.5% Royalty or More	110	394
		Monongahela Natural Gas Company	Pittsburgh and West Virginia Gas Comp	12.5% Royalty or More	138	131
		Pittsburgh and West Virginia Gas Company	Equitable Gas Company	12.5% Royalty or More	473	477
		Equitable Gas Company	Equitrans, Inc.	12.5% Royalty or More	26	633
		Equitable Gas Company	Equitrans, Inc.	12.5% Royalty or More	121	316
		Equitable Gas Company	Noumenon Corporation	12.5% Royalty or More	60	604
		Equitable Gas Company	Noumenon Corporation	12.5% Royalty or More	128	85



June 23, 2023

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

Re: Expedited Permit Modification Request
Dolls Run 3H – 061-01929
Dolls Run 5H – 061-01930
Dolls Run 9H – 061-01932

Dear Permit Reviewer,

Please find enclosed permit modification requests to extend the lateral on our Dolls Run 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.

Sincerely,

Kristen Brooks

Kristen Brooks
Operations Analyst

*CHK# 2235
Amt \$7500
Date 6/16/23*

RECEIVED
Office Of Oil and Gas
JUN 27 2023
WV Department of
Environmental Protection

07/14/2023