

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 061 - 01867 County Monongalia District Battelle
Quad Wadestown Pad Name ERP Field/Pool Name _____
Farm name Phoenix Energy Resources, LLC Well Number 4H
Operator (as registered with the OOG) Northeast Natural Energy, LLC.
Address 707 Virginia St. E., Suite 1200 City Charleston State WV Zip 25301

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4391800.0 Easting 562322.0
Landing Point of Curve Northing 4391727.7 Easting 562232.3
Bottom Hole Northing 4388477.4 Easting 564470.6

Elevation (ft) 1,338' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
SYNTHETIC BASED MUD FOR HORIZONTAL SECTION; BIO-BASE 365, CALCIUM CHLORIDE POWDER, G-Seal Plus, HRP, Lime, M-I WATE (BARITE), M-I-X II MEDIUM,
MEGADRIL P SYSTEM, MEGADRIL P SYSTEM RENTAL, MEGAMUL, SAFE-CARB 250, VERSATHIN HF, VERSAWET, VG-PLUS, VINSEAL MEDIUM, WALNUT NUT PLUG MEDIUM

Date permit issued 12/3/2020 Date drilling commenced 6/30/2021 Date drilling ceased 8/16/2021
Date completion activities began 2/2/2022 Date completion activities ceased 3/7/2022
Verbal plugging (Y/N) NA Date permission granted _____ Granted by _____

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

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Freshwater depth(s) ft 1,217' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2,470' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1,119' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed by:
MJC 2/23/2023
03/17/2023

APPROVED

API 47-061 - 01867 Farm name Phoenix Energy Resources, LLC Well number 4H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	30"	24"	100'	N			
Surface	17-1/2"	13-3/8"	1,309'	N	54.5	NA	Y, 37 bbl
Coal							
Intermediate 1	12-3/8"	9-5/8"	2,574'	N	36	NA	Y, 10 bbl
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	21,530	N	20	NA	Y
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Type 1	36					48
Surface	Class A	1130	15.6	1.20	1,351	CTS	8
Coal							
Intermediate 1	Class A	880	15.6	1.19	1,045	CTS	8
Intermediate 2							
Intermediate 3							
Production	50:50 poz	3,940	14.5	1.16	4,732	1,154'	48
Tubing							

Drillers TD (ft) 21,580' Loggers TD (ft) 21,550'

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure Pilot TD: _____

Kick off depth (ft) 5,110'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Surface: Bow spring centralizers every 3rd joint or approximately 120'

Intermediate: Bow spring centralizers every 3rd joint or approximately 120'

Production: Rigid body centralizers placed at a minimum of every other joint (~80') from TD to surface

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

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Stimulation Report

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Stage Number	Report Date	ISIP (psi)	Breakdown Pressure (psi)	Avg Treating Pressure (psi)	Avg Treating Rate (BPM)	Pad Volume (bbls)	Total Clear Fluid (Bbls)	Total Proppant Amount (lbs)	Flush Volume (bbls)
1	2/3/2022	5,790	0	10,013	92	475	7,232	300,050	487
2	2/3/2022	5,681	6,900	9,431	81	21	8,949	445,000	477
3	2/3/2022	6,063	6,897	9,367	84	473	9,272	445,000	486
4	2/4/2022	5,463	7,149	9,446	85	264	9,838	445,000	471
5	2/4/2022	5,556	7,881	9,681	89	31	9,417	445,000	473
6	2/5/2022	6,603	8,119	9,724	86	475	9,517	445,000	455
7	2/6/2022	5,584	7,595	9,577	86	834	8,990	445,000	453
8	2/6/2022	6,024	8,311	9,479	87	35	9,323	445,000	458
9	2/7/2022	5,537	7,972	9,603	89	29	9,402	445,000	435
10	2/7/2022	5,751	8,258	9,299	80	33	9,506	445,000	429
11	2/7/2022	6,071	7,996	9,600	91	31	9,299	445,000	434
12	2/7/2022	5,666	7,485	9,365	86	13	9,633	445,000	439
13	2/8/2022	6,301	8,094	9,627	91	47	9,487	445,000	422
14	2/7/2022	5,766	8,149	9,437	90	39	9,366	445,000	426
15	2/9/2022	6,191	7,709	9,389	91	21	9,234	445,000	415
16	2/10/2022	6,242	7,855	9,423	92	46	9,362	445,000	426
17	2/10/2022	5,819	8,403	9,493	90	95	9,351	445,000	258
18	2/10/2022	6,303	8,729	9,463	91	62	9,350	445,000	402
19	2/11/2022	6,188	8,048	9,419	92	54	9,378	445,000	395
20	2/11/2022	6,076	7,900	9,204	92	7	9,251	445,000	393
21	2/7/2022	5,887	9,624	9,430	92	89	9,429	444,800	404
22	2/12/2022	6,055	7,823	9,131	92	54	9,334	445,000	384
23	2/13/2022	5,805	8,195	9,478	91	52	9,306	444,800	394
24	2/13/2022	6,217	7,787	9,212	92	3	9,203	445,000	373
25	2/14/2022	6,192	7,677	9,055	92	53	9,250	445,000	380
26	2/14/2022	5,922	8,285	9,214	92	98	9,422	445,000	374
27	2/15/2022	6,178	7,242	8,918	92	93	9,284	445,000	494
28	2/15/2022	5,891	8,150	9,136	92	47	9,173	444,900	391
29	2/15/2022	5,766	7,447	9,007	92	27	9,295	445,000	358
30	2/16/2022	5,845	5,018	9,174	90	109	9,389	445,000	346
31	2/17/2022	6,496	8,067	9,505	90	142	9,276	445,000	345
32	2/17/2022	5,920	8,001	9,321	87	13	9,117	445,000	346
33	2/18/2022	6,007	6,728	9,168	88	18	9,291	445,000	339
34	2/19/2022	6,428	7,659	9,253	92	14	9,130	445,000	337
35	2/19/2022	5,877	8,066	9,519	91	22	9,576	445,000	333
36	2/20/2022	5,806	8,005	9,303	85	151	9,152	445,000	320
37	2/20/2022	5,971	6,081	9,088	93	81	9,300	445,000	341
38	2/21/2022	6,319	7,634	8,988	92	27	9,088	445,000	323
39	2/21/2022	6,070	7,568	9,263	92	21	9,197	445,000	306
40	2/21/2022	5,889	9,402	8,906	89	61	9,172	452,260	320
41	2/22/2022	5,953	7,738	8,987	91	12	9,224	445,000	297
42	2/22/2022	5,765	7,664	8,760	92	30	9,283	445,000	294
43	2/23/2022	6,544	7,750	8,896	92	29	9,201	445,000	293
44	2/23/2022	5,892	5,492	8,906	92	22	8,917	445,900	287
45	2/24/2022	6,102	6,848	8,925	92	5	9,097	445,000	284

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Stage Number	Report Date	ISIP (psi)	Breakdown Pressure (psi)	Avg Treating Pressure (psi)	Avg Treating Rate (BPM)	Pad Volume (bbls)	Total Clean Fluid (Bbls)	Total Proppant Amount (lbs)	Flush Volume (bbls)
46	2/25/2022	6,040	9,283	8,853	92	57	9,079	446,680	285
47	2/25/2022	6,491	7,813	8,822	92	60	9,193	445,000	270
48	2/25/2022	6,126	7,732	8,661	93	78	9,078	447,020	280
49	2/26/2022	6,096	7,691	8,814	93	102	9,127	445,000	275
50	2/26/2022	6,273	8,100	8,714	92	62	9,088	445,000	265
51	2/7/2022	6,021	7,977	8,628	92	63	9,155	445,000	278
52	2/27/2022	6,320	8,646	8,799	91	66	9,047	447,440	254
53	2/28/2022	5,955	8,278	8,664	92	97	9,188	445,000	251
54	2/28/2022	6,214	8,968	8,875	92	7	9,039	445,000	255
55	2/28/2022	6,449	7,430	8,871	92	2	9,074	445,000	236
56	2/28/2022	6,258	7,946	8,823	93	77	9,120	445,000	226
57	3/1/2022	6,780	7,938	8,939	93	47	9,005	445,000	282
58	3/2/2022	6,560	8,159	8,787	89	46	9,090	445,000	282
59	3/2/2022	6,788	8,382	9,113	92	21	9,011	445,000	235
60	3/2/2022	6,306	7,359	8,838	92	30	9,008	445,000	219
61	3/2/2022	6,196	8,368	8,706	92	15	9,288	445,000	322
62	3/4/2022	6,324	8,264	8,714	92	67	9,024	445,000	210
63	3/4/2022	6,143	6,598	8,547	92	26	8,973	445,000	282
64	3/4/2022	6,327	8,123	8,680	92	27	9,004	445,000	204
65	3/5/2022	5,521	7,404	8,456	92	45	8,936	445,000	202

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ERP 4H**Perforation Report**

Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	2/3/2022	0	0	21,448
2	2/3/2022	40	21,404	21,245
3	2/3/2022	40	21,203	21,043
4	2/4/2022	40	21,001	20,841
5	2/4/2022	40	20,799	20,639
6	2/5/2022	40	20,597	20,438
7	2/6/2022	40	20,395	20,236
8	2/6/2022	40	20,193	20,034
9	2/7/2022	40	19,992	19,832
10	2/7/2022	40	19,790	19,630
11	2/7/2022	40	19,588	19,428
12	2/7/2022	40	19,386	19,227
13	2/8/2022	40	19,184	19,025
14	2/7/2022	40	18,982	18,823
15	2/9/2022	40	18,781	18,621
16	2/10/2022	40	18,579	18,419
17	2/10/2022	40	18,377	18,217
18	2/10/2022	40	18,175	18,016
19	2/11/2022	40	17,973	17,814
20	2/11/2022	40	17,771	17,612
21	2/7/2022	40	17,570	17,410
22	2/12/2022	40	17,368	17,208
23	2/13/2022	40	17,166	17,006
24	2/13/2022	40	16,964	16,805
25	2/14/2022	40	16,762	16,603
26	2/14/2022	40	16,560	16,401
27	2/15/2022	40	16,359	16,199
28	2/15/2022	40	16,157	15,997
29	2/15/2022	40	15,955	15,795
30	2/16/2022	40	15,753	15,594
31	2/17/2022	40	15,551	15,392
32	2/17/2022	40	15,349	15,190
33	2/18/2022	40	15,148	14,988
34	2/19/2022	40	14,946	14,786
35	2/19/2022	40	14,744	14,584
36	2/20/2022	40	14,542	14,383
37	2/20/2022	40	14,340	14,181
38	2/21/2022	40	14,138	13,979
39	2/21/2022	40	13,937	13,777
40	2/21/2022	40	13,735	13,575
41	2/22/2022	40	13,533	13,373
42	2/22/2022	40	13,331	13,172
43	2/23/2022	40	13,129	12,970
44	2/23/2022	40	12,927	12,768
45	2/24/2022	40	12,726	12,566
46	2/25/2022	40	12,524	12,364

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Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
47	2/25/2022	40	12,322	12,163
48	2/25/2022	40	12,120	11,961
49	2/26/2022	40	11,918	11,759
50	2/26/2022	40	11,716	11,557
51	2/7/2022	40	11,515	11,355
52	2/27/2022	40	11,313	11,153
53	2/28/2022	40	11,111	10,952
54	2/28/2022	40	10,909	10,750
55	2/28/2022	40	10,707	10,548
56	2/28/2022	40	10,506	10,346
57	3/1/2022	40	10,304	10,144
58	3/2/2022	40	10,102	9,942
59	3/2/2022	40	9,900	9,741
60	3/2/2022	40	9,698	9,539
61	3/2/2022	40	9,496	9,337
62	3/4/2022	40	9,295	9,135
63	3/4/2022	40	9,093	8,933
64	3/4/2022	40	8,891	8,731
65	3/5/2022	40	8,689	8,530

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ERP Completion Lithology			
Lithology/Formation	Top Depth in FT TVD	Bottom Depth in FT TVD	Describe rock type and record quantity and type of fluid (freshwater, brine, oil, gas, H2S, etc)
Sand/silt	0	175	Sand/silt
Sand/red shale	175	280	sand with reddish shale
sandstone/shale	280	620	sandstone/shale
coal	550	555	coal
coal	610	614	coal
sandstone	620	680	sandstone
Washington Coal	665	668	coal
siltstone/sandstone	680	715	siltstone/sandstone
sandstone/siltstone	715	767	sandstone/siltstone
Waynesburg Coal	734	737	Waynesburg Coal
Limestone/sandstone/shale	767	865	Limestone/sandstone/shale
Limestone/siltstone	873	910	Limestone/siltstone
Limestone	910	950	Limestone
sandstone/siltstone	950	994	sandstone/siltstone
Sewickley coal	994	998	Sewickley coal
Limestone	998	1040	Limestone
Limestone/siltstone	1040	1114	Limestone/siltstone
Pittsburgh coal	1114	1119	Pittsburgh coal
Limestone/siltstone	1119	1220	Limestone/siltstone
Maxon	1450	1500	Maxon
Red Rock/siltstone/limestone	1500	2149	Red Rock/siltstone/limestone
Little Lime	2149	2217	Little Lime
Big Lime	2217	2367	Big Lime
Big Injun	2367	2470	Big Injun
Sand/silt	2470	2546	Sand/silt
Gantz	2546	2590	Gantz
Sand/shale	2590	5540	Sand/shale
gray shale/siltstone	5540	7399	gray shale/siltstone
Middlesex	7399	7655	Middlesex
Burkett	7655	7820	Burkett
Geneseo	7820	7865	Geneseo
Tully	7865	7913	Tully
Hamilton	7913	8001	Hamilton
Marcellus	8001	TD	Marcellus

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	2/3/2022
Job End Date:	3/5/2022
State:	West Virginia
County:	Monongalia
API Number:	47-061-01867-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	ERP 4H
Latitude:	39.67375800
Longitude:	-80.27334200
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8,082
Total Base Water Volume (gal):	25,106,886
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Northeast Natural Energy	Carrier/Base Fluid	Water	7732-18-5	100.00000	87.63892	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	9.26569	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	2.77850	None
Hydrochloric Acid (7.5%)	CNR	Acidizing	Water	7732-18-5	85.00000	0.16824	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.07324	None
StimSTREAM FR 9800	Chemstream	Friction Reducer	Butene, homopolymer	9003-29-6	25.00000	0.01495	None
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01495	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00179	None
StimSTREAM SC 405	Chemstream	Scale Control	Non-Hazardous Substances	Proprietary	70.00000	0.02188	None

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			Diethylenetriamine penta (methylene phosphonic acid) (DTPMP)	15827-60-8	10.00000	0.00313	None
			Citric Acid	77-92-9	10.00000	0.00313	None
			2-Phosphono-1,2,4-butanetricarboxylic acid (PBTC)	37971-36-1	10.00000	0.00313	None
Clearal 268	Chemstream	Biocide					
			Non-Hazardous Substances	Proprietary	80.00000	0.02134	None
			Glutaraldehyde	111-30-8	20.00000	0.00534	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00080	None
			Quaternary Ammonim Compounds	68424-85-1	3.00000	0.00080	None
			Ethanol	64-17-5	1.50000	0.00040	None
ProHib 100	CNR	Acid Inhibitor					
			2-Butoxyethanol	111-76-2	60.00000	0.00042	None
			Proprietary material	Proprietary	30.00000	0.00021	None
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00014	None
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00007	None
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00007	None
ProFE 105	CNR	Iron Control					
			Citric Acid	77-92-9	20.00000	0.00011	None
			Acetic Acid	64-19-7	5.00000	0.00003	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Water	7732-18-5	85.00000	0.16824	
			Non-Hazardous Substances	Proprietary	70.00000	0.02188	
			Non-Hazardous Substances	Proprietary	80.00000	0.02134	
			Butene, homopolymer	9003-29-6	25.00000	0.01495	
			Citric Acid	77-92-9	10.00000	0.00313	
			Diethylenetriamine penta (methylene phosphonic acid) (DTPMP)	15827-60-8	10.00000	0.00313	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00179	
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00080	
			Quaternary Ammonim Compounds	68424-85-1	3.00000	0.00080	
			Ethanol	64-17-5	1.50000	0.00040	
			Proprietary material	Proprietary	30.00000	0.00021	
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00014	
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00007	
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00007	
			Acetic Acid	64-19-7	5.00000	0.00003	

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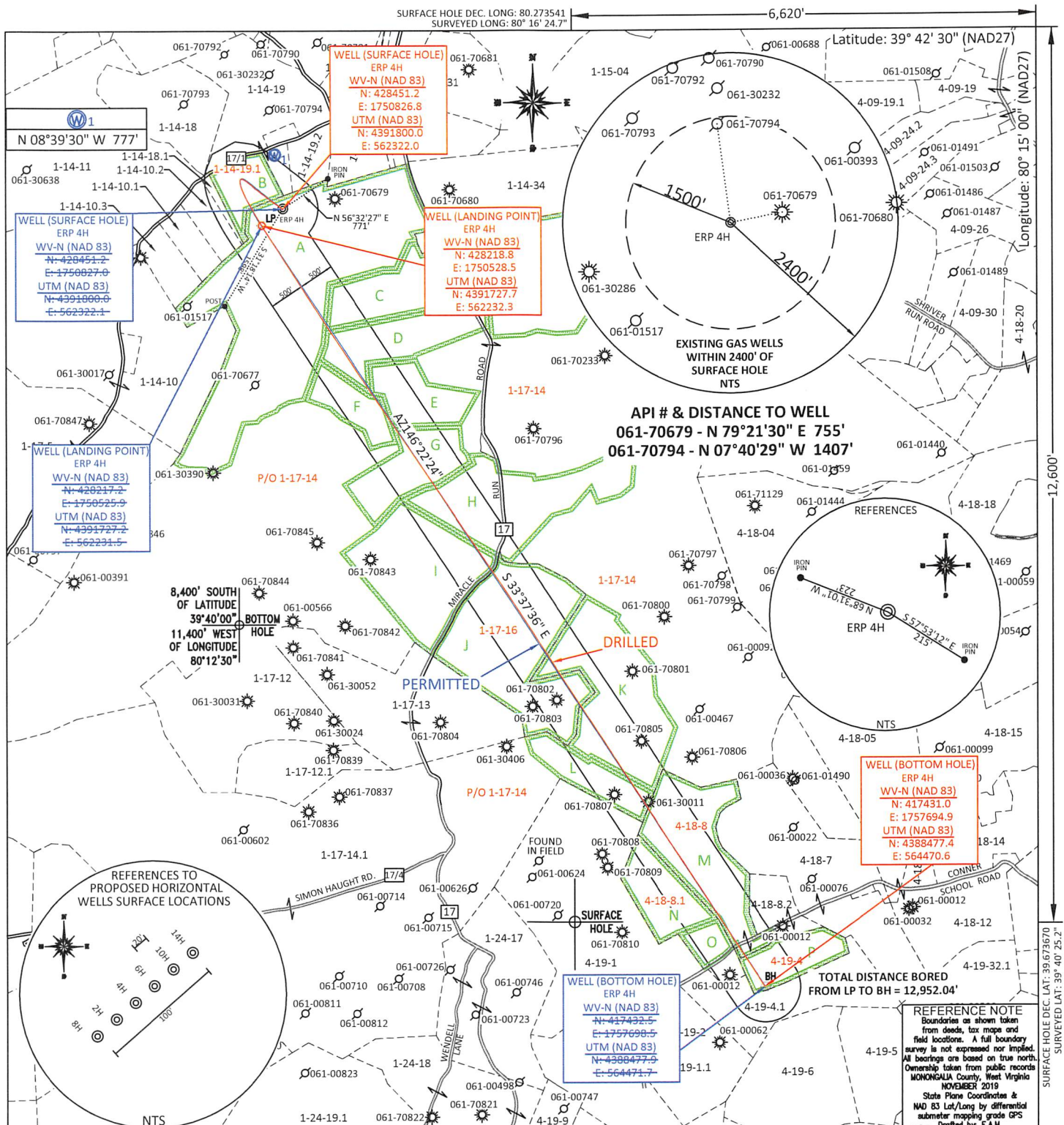
* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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FILE #: NNE20
 DRAWING #: 2988
 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:
 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 / BATTELLE
 SURFACE OWNER: Phoenix Energy Resources, LLC
 OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
 LEASE NUMBERS:

DATE: NOVEMBER 18, 2021
 OPERATOR'S WELL #: ERP 4H (AS-DRILLED)
 API WELL #: 47 61 01867
 STATE COUNTY PERMIT
 AS-BUILT ELEVATION: 1,338.60'
 QUADRANGLE: WADESTOWN
 ACREAGE: 1,510.488 +/-
 ACREAGE: 785.782 +/- 03/17/2023
 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
 DRILLED DEPTH: TVD: 8,063' TMD: 21,608'
 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

PROPERTY OWNER INDEX	
1-14-19.1	PHOENIX ENERGY RESOURCES, LLC
1-17-14	PHOENIX ENERGY RESOURCES, LLC
1-17-16	PHOENIX ENERGY RESOURCES, LLC
4-18-8	DALE LYNN MOORE
4-18-8.1	PATRICIA ANN & BERNARD COTTON
4-19-4	KEMBLE D. JR. & VERONICA TATE

LEASE INDEX			
A	WV-061-005667-001	I	WV-061-004351-005
B	WV-061-005667-001	J	WV-061-004514-001
C	WV-061-003767-004	K	WV-061-003767-004
D	WV-061-003767-004	L	WV-061-005667-001
E	WV-061-005168-004	M	WV-061-005135-002
F	WV-061-005474-001	N	WV-061-005285-004
G	WV-061-005168-004	O	WV-061-005643-008
H	WV-061-004975-003	P	WV-061-004719-007

03/17/2023

FILE #: NEE20

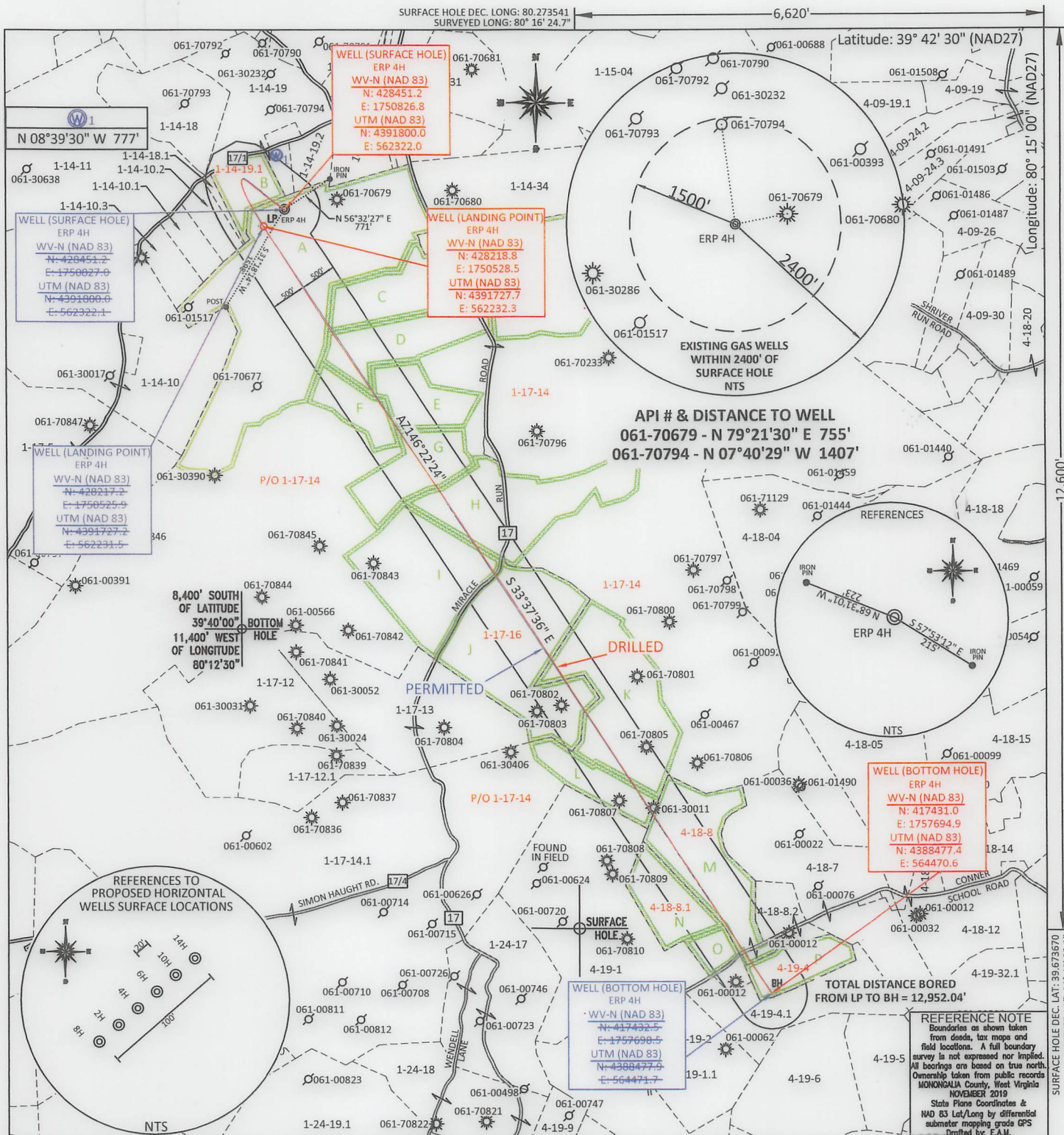
DRAWING #: 2988

SCALE: N/A

DATE: NOVEMBER 18, 2021

OPERATOR'S WELL #: ERP 4H

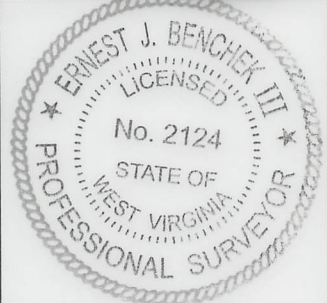
API WELL #: 47 61 01867
STATE COUNTY PERMIT



FILE #: NNE20
 DRAWING #: 2988
 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 WYDEP
 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 / BATTLETT
 SURFACE OWNER: Phoenix Energy Resources, LLC
 OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
 LEASE NUMBERS: _____

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