

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

API 47 - 061 - 01877 County Monongalia District Battelle
Quad Wadestown Pad Name ERP Field/Pool Name _____
Farm name Phoenix Energy Resources, LLC Well Number 2H
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 4391795.8 Easting 562317.5
Landing Point of Curve Northing 4391554.2 Easting 561980.6
Bottom Hole Northing 4388497.4 Easting 564090.8

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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

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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 5/10/2021 Date drilling commenced 7/23/2021 Date drilling ceased 8/5/2021
Date completion activities began 2/2/2022 Date completion activities ceased 3/7/2022
Verbal plugging (Y/N) NA Date permission granted _____ Granted by _____

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

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

APPROVED

Reviewed by:
MAIC 2/23/2023
07/26/2024

API 47-061 - 01877 Farm name Phoenix Energy Resources, LLC Well number 2H

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'				
Surface	17-1/2"	13-3/8"	1,309'	N	54.5	NA	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	2,602'	N	36	NA	Y, 21 bbl
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	20,966'	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	4085	14.5	1.16	4,732	2,358	48
Tubing							

Drillers TD (ft) 20,990 Loggers TD (ft) 20,960'

Deepest formation penetrated Marcellus Plug back to (ft) NA

Plug back procedure NA

Kick off depth (ft) 4,403'

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 _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus	8,071'	TVD	21,018' MD
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole 3356 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
3147 mcfpd _____ bpd _____ bpd _____ bpd Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

See attached	0		0		

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Please insert additional pages as applicable.

Drilling Contractor Patterson UTI
 Address 4000 Town Center Blvd, Suite 240 City Canonsburg State PA Zip 15317

Logging Company Baker Hughes
 Address 837 Phillippi Pike City Clarksburg State WV Zip 26301

Cementing Company NextTier
 Address 4000 Town Center Blvd City Canonsburg State PA Zip 15317

Stimulating Company ProFrac
 Address 800 Mountain View Drive City Smithfield State PA Zip 15478

Please insert additional pages as applicable.

Completed by Hollie Medley Telephone 304-414-7060
 Signature Hollie Medley Title Regulatory Manager Date 1/31/2023

ERP 2H
Stimulation Report

Stage Number	Report Date	ISIP (psi)	Breakdown Pressure (psi)	Avg Treating Pressure (psi)	Max Treating Pressure (psi)	Pad Volume (bbls)	Total Clean Fluid (Bbls)	Total Proppant Amount (lbs)	Flush Volume (bbls)
1	2/3/2022	4,881	0	9,536	9,810	371	7,314	300,000	472
2	2/3/2022	5,681	6,900	9,431	9,661	21	8,949	445,000	477
3	2/3/2022	6,063	6,897	9,367	9,610	473	9,272	445,000	486
4	2/4/2022	6,271	6,729	9,709	9,865	39	8,350	390,200	455
5	2/5/2022	5,820	7,620	9,314	9,538	711	8,565	390,100	455
6	2/6/2022	6,009	7,925	9,618	9,841	712	8,904	390,050	460
7	2/6/2022	5,598	8,000	9,467	9,644	19	8,576	390,100	452
8	2/6/2022	5,797	8,124	9,639	9,808	32	8,354	390,050	439
9	2/7/2022	5,626	8,024	9,361	9,537	37	8,579	390,100	438
10	2/7/2022	6,594	7,881	9,567	9,792	51	8,229	390,050	431
11	2/7/2022	5,760	7,717	9,686	9,811	22	8,315	390,000	427
12	2/8/2022	5,978	7,798	9,339	9,498	19	8,205	390,100	423
13	2/8/2022	6,244	7,887	9,461	9,597	56	8,280	390,000	418
14	2/6/2022	5,569	7,605	9,329	9,542	20	8,504	390,100	419
15	2/9/2022	6,264	7,883	9,507	9,802	8	8,247	390,000	410
16	2/10/2022	6,090	7,657	9,515	9,706	58	8,322	389,800	421
17	2/10/2022	6,030	8,205	9,371	9,519	28	8,251	390,000	402
18	2/11/2022	5,963	8,109	9,478	9,712	28	8,279	390,000	417
19	2/11/2022	6,421	7,782	9,383	9,600	59	8,229	390,000	395
20	2/12/2022	6,066	7,857	9,536	9,844	6	8,306	390,200	400
21	2/12/2022	6,118	8,119	9,309	9,594	71	8,274	390,000	385
22	2/12/2022	5,914	7,852	9,432	9,721	77	8,293	390,000	383
23	2/12/2022	5,481	8,352	9,630	9,822	52	8,386	390,000	390
24	2/13/2022	6,032	7,787	9,296	9,502	42	8,210	390,000	375
25	2/14/2022	5,848	8,167	9,383	9,770	56	8,270	390,200	390
26	2/14/2022	6,026	7,791	9,175	9,459	85	8,261	390,000	253
27	2/15/2022	5,958	7,535	9,051	9,221	70	8,191	390,000	364
28	2/15/2022	5,907	5,900	9,166	9,398	32	8,276	390,100	370
29	2/16/2022	6,285	5,662	9,172	9,356	28	8,108	390,100	368
30	2/17/2022	6,012	8,113	9,351	9,541	14	8,261	390,100	357
31	2/17/2022	5,742	7,995	9,124	9,369	52	8,127	390,000	348
32	2/17/2022	6,144	6,002	9,382	9,572	19	8,319	390,100	354
33	2/18/2022	5,693	8,271	9,162	9,405	208	8,417	390,100	349
34	2/19/2022	6,695	7,612	9,016	9,206	27	8,173	390,000	350
35	2/19/2022	5,864	7,618	9,109	9,309	74	8,324	390,100	340
36	2/20/2022	5,881	7,501	9,075	9,363	138	8,407	390,100	335
37	2/20/2022	6,170	5,461	9,133	9,305	21	8,349	390,100	332
38	2/21/2022	5,951	7,975	9,251	9,491	48	8,447	390,100	331
39	2/21/2022	5,620	9,169	9,192	9,467	34	8,348	398,420	327
40	2/22/2022	6,159	5,848	9,178	9,384	42	8,182	390,000	311
41	2/22/2022	6,473	8,358	9,037	9,297	3	8,128	390,000	309
42	2/22/2022	5,524	7,717	8,870	9,058	33	8,386	390,100	308
43	2/23/2022	6,377	7,291	8,905	9,119	19	8,156	390,000	300

Stage Number	Report Date	ISIP (psi)	Breakdown Pressure (psi)	Avg Treating Pressure (psi)	Max Treating Pressure (psi)	Pad Volume (bbls)	Total Clean Fluid (Bbls)	Total Proppant Amount (lbs)	Flush Volume (bbls)
44	2/24/2022	6,420	8,556	8,889	9,077	1	8,116	390,000	296
45	2/24/2022	5,784	7,172	8,857	9,157	96	8,214	390,700	306
46	2/25/2022	6,376	8,072	8,824	9,114	60	8,170	396,820	307
47	2/25/2022	5,747	7,975	8,776	9,064	73	8,145	394,820	304
48	2/12/2022	6,284	7,300	8,912	9,194	8	8,190	390,000	290
49	2/26/2022	6,024	7,569	8,932	9,136	62	8,078	390,000	292
50	2/27/2022	6,453	7,695	8,886	9,023	57	8,125	390,000	288
51	2/27/2022	6,588	7,347	8,645	8,772	53	8,130	390,000	271
52	2/27/2022	5,958	8,005	8,757	9,086	143	8,045	391,500	273
53	2/28/2022	6,844	7,942	9,005	9,290	6	8,141	390,000	272
54	2/28/2022	6,214	8,968	8,875	9,268	7	9,039	445,000	255
55	3/1/2022	6,716	8,731	9,238	9,631	74	8,128	390,000	268
56	3/1/2022	6,450	8,780	8,855	8,975	91	8,155	390,000	247
57	3/1/2022	7,068	7,125	8,983	9,170	75	8,036	390,000	263
58	3/2/2022	6,881	9,388	8,876	9,058	23	8,069	390,000	254
59	3/2/2022	6,430	8,570	8,688	9,301	35	8,137	390,000	250
60	3/3/2022	6,075	5,725	8,785	9,081	16	8,091	390,000	239
61	3/3/2022	6,567	9,220	8,868	9,336	16	8,012	390,100	243
62	3/4/2022	6,853	9,399	8,783	9,517	58	8,010	390,000	238
63	3/4/2022	6,380	5,872	8,847	9,124	34	7,916	390,100	232
64	3/4/2022	6,275	8,857	9,215	9,825	43	8,076	390,000	228
65	3/5/2022	6,034	8,719	8,850	9,058	43	7,910	390,100	227
66	3/5/2022	6,232	7,623	8,535	8,732	46	8,122	390,100	218
67	3/5/2022	6,295	7,624	8,577	8,960	100	8,184	390,000	218
68	3/6/2022	6,426	8,316	8,808	9,221	110	8,125	390,000	216
69	3/6/2022	5,619	7,555	8,884	9,304	69	7,966	390,100	204
70	3/6/2022	5,693	8,112	8,640	9,123	176	7,986	390,100	200

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ERP 2H**Perforation Reprot**

Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
1	2/3/2022	0	0	20,888
2	2/3/2022	40	20,849	20,710
3	2/3/2022	40	20,673	20,534
4	2/4/2022	40	20,497	20,358
5	2/5/2022	40	20,321	20,182
6	2/6/2022	40	20,145	20,006
7	2/6/2022	40	19,968	19,829
8	2/6/2022	40	19,792	19,653
9	2/7/2022	40	19,616	19,477
10	2/7/2022	40	19,440	19,301
11	2/7/2022	40	19,263	19,125
12	2/8/2022	40	19,087	18,948
13	2/8/2022	40	18,911	18,772
14	2/6/2022	40	18,735	18,596
15	2/9/2022	40	18,559	18,420
16	2/10/2022	40	18,382	18,243
17	2/10/2022	40	18,206	18,067
18	2/11/2022	40	18,030	17,891
19	2/11/2022	40	17,854	17,715
20	2/12/2022	40	17,677	17,539
21	2/12/2022	40	17,501	17,362
22	2/12/2022	40	17,325	17,186
23	2/12/2022	40	17,149	17,010
24	2/13/2022	40	16,973	16,834
25	2/14/2022	40	16,796	16,657
26	2/14/2022	40	16,620	16,481
27	2/15/2022	40	16,444	16,305
28	2/15/2022	40	16,268	16,129
29	2/16/2022	40	16,092	15,953
30	2/17/2022	40	15,915	15,776
31	2/17/2022	40	15,739	15,600
32	2/17/2022	40	15,563	15,424
33	2/18/2022	40	15,387	15,248
34	2/19/2022	40	15,210	15,071
35	2/19/2022	40	15,034	14,895
36	2/20/2022	40	14,858	14,719
37	2/20/2022	40	14,682	14,543
38	2/21/2022	40	14,506	14,367
39	2/21/2022	40	14,329	14,190
40	2/22/2022	40	14,153	14,014
41	2/22/2022	40	13,977	13,838
42	2/22/2022	40	13,801	13,662
43	2/23/2022	40	13,624	13,485
44	2/24/2022	40	13,448	13,309
45	2/24/2022	40	13,272	13,133
46	2/25/2022	40	13,096	12,957

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Stage Number	Report Date	Total Shots	Cluster 1 Top TD	Cluster 5 Bottom TD
47	2/25/2022	40	12,920	12,781
48	2/12/2022	40	12,743	12,604
49	2/26/2022	40	12,567	12,428
50	2/27/2022	40	12,391	12,252
51	2/27/2022	40	12,215	12,076
52	2/27/2022	40	12,038	11,899
53	2/28/2022	40	11,862	11,723
54	2/28/2022	40	11,686	11,547
55	3/1/2022	40	11,510	11,371
56	3/1/2022	40	11,334	11,195
57	3/1/2022	40	11,157	11,018
58	3/2/2022	40	10,981	10,842
59	3/2/2022	40	10,805	10,666
60	3/3/2022	40	10,629	10,490
61	3/3/2022	40	10,452	10,314
62	3/4/2022	40	10,276	10,137
63	3/4/2022	40	10,100	9,961
64	3/4/2022	40	9,924	9,785
65	3/5/2022	40	9,748	9,609
66	3/5/2022	40	9,571	9,432
67	3/5/2022	40	9,395	9,256
68	3/6/2022	40	9,219	9,080
69	3/6/2022	40	9,043	8,904
70	3/6/2022	40	8,866	8,728

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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:	3/6/2022
State:	West Virginia
County:	Monongalia
API Number:	47-061-01877-00-00
Operator Name:	Northeast Natural Energy LLC
Well Name and Number:	ERP 2H
Latitude:	39.67372100
Longitude:	-80.27339500
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8,083
Total Base Water Volume (gal):	24,189,900
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	87.13842	None
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	9.44207	None
Sand (40/70 White Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00000	3.08859	None
Hydrochloric Acid (7.5%)	CNR	Acidizing	Water	7732-18-5	85.00000	0.18161	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.07905	None
StimSTREAM SC 405	Chemstream	Scale Control	Non-Hazardous Substances	Proprietary	70.00000	0.02176	None
			2-Phosphono-1,2,4-butanetricarboxylic acid (PBTC)	37971-36-1	10.00000	0.00311	None
			Diethylenetriamine penta (methylene phosphonic acid) (DTPMP)	15827-60-8	10.00000	0.00311	None
			Citric Acid	77-92-9	10.00000	0.00311	None

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StimSTREAM FR 9800	Chemstream	Friction Reducer					
			Alkanes, C16-20-iso-	90622-59-6	25.00000	0.01459	None
			Butene, homopolymer	9003-29-6	25.00000	0.01459	None
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00175	None
Clearal 268	Chemstream	Biocide					
			Non-Hazardous Substances	Proprietary	80.00000	0.02121	None
			Glutaraldehyde	111-30-8	20.00000	0.00530	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	0.00044	None
			Proprietary material	Proprietary	30.00000	0.00022	None
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00015	None
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00007	None
			Proprietary ethoxylated alcohol	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	0.18161	
			Non-Hazardous Substances	Proprietary	70.00000	0.02176	
			Non-Hazardous Substances	Proprietary	80.00000	0.02121	
			Butene, homopolymer	9003-29-6	25.00000	0.01459	
			Diethylenetriamine penta (methylene phosphonic acid) (DTPMP)	15827-60-8	10.00000	0.00311	
			Citric Acid	77-92-9	10.00000	0.00311	
			Ethoxylated alcohols (C12-18)	68213-23-0	3.00000	0.00175	
			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	0.00022	
			Proprietary non-ionic surfactant	Proprietary	20.00000	0.00015	
			Proprietary corrosion inhibitor	Proprietary	10.00000	0.00007	
			Proprietary ethoxylated alcohol	Proprietary	10.00000	0.00007	
			Acetic Acid	64-19-7	5.00000	0.00003	

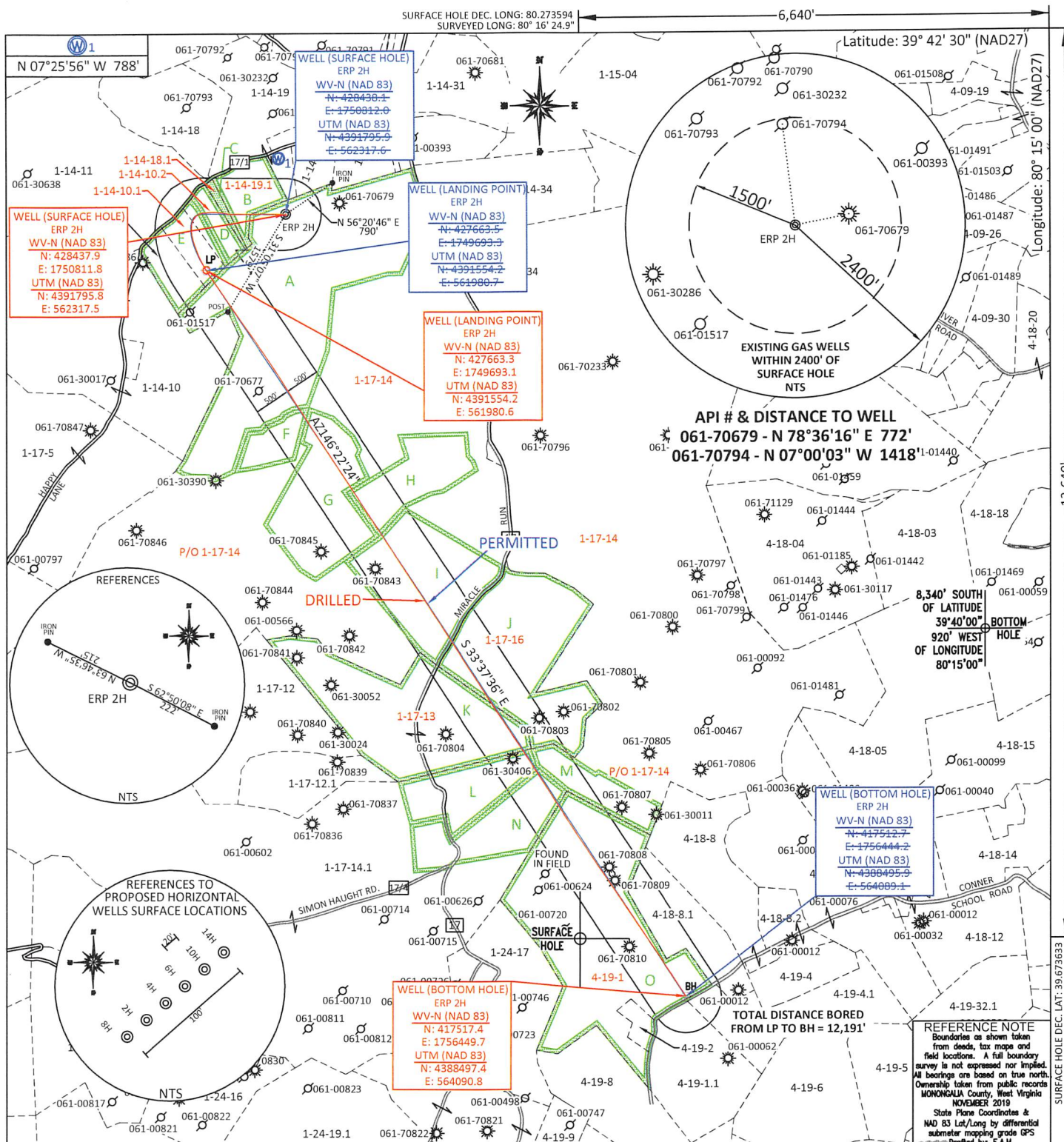
* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** 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.

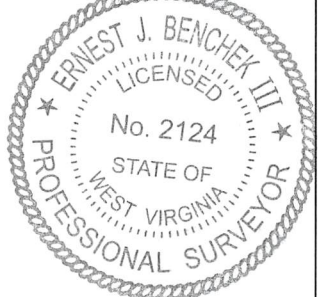
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

RECEIVED
 Office of Oil and Gas
 FEB 06 2023
 WV Department of Environmental Protection



FILE #: NNE20
 DRAWING #: 2987
 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: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / BATTELLE
 SURFACE OWNER: Phoenix Energy Resources, LLC
 OIL & GAS ROYALTY OWNER: Phoenix Energy Resources, LLC, et al.
 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: NOVEMBER 18, 2021
 OPERATOR'S WELL #: ERP 2H (AS-DRILLED)
 API WELL #: 47 61 01877
 STATE COUNTY PERMIT
 AS-BUILT ELEVATION: 1,338.60'
 QUADRANGLE: WADESTOWN
 ACREAGE: 1510.488 +/-
 ACREAGE: 728.163 +/-
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____
 DRILLED DEPTH: TVD: 8,071' TMD: 21,018'
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

07/26/2024

PROPERTY OWNER INDEX	
1-17-14	PHOENIX ENERGY RESOURCES, LLC
1-14-10.1	MARK A. & DEBRA C. WILLIAMS
1-14-10.2	DAVID W. & CHERYL A. WILLIAMS
1-14-19.1	PHOENIX ENERGY RESOURCES, LLC
1-17-16	PHOENIX ENERGY RESOURCES, LLC
1-17-13	PHOENIX ENERGY RESOURCES, LLC
4-19-1	SCOTTIE GLEN TRUST & KATHLEEN WILSON
1-14-18.1	NORMA WILLIAMS

LEASE INDEX			
A	WV-061-005667-001	I	WV-061-004351-005
B	WV-061-005667-001	J	WV-061-004514-001
C	WV-061-005697-001	K	WV-061-003767-004
D	WV-061-005697-002	L	WV-061-004376-001
E	WV-061-005329-015	M	WV-061-005168-004
F	WV-061-005754-001	N	WV-061-003767-004
G	WV-061-005754-001	O	WV-061-005607-001
H	WV-061-005168-004		

07/26/2024

FILE #: NEE20

DRAWING #: 2987

SCALE: N/A

DATE: NOVEMBER 18, 2021

OPERATOR'S WELL #: ERP 2H

API WELL #: 47 61 01877
 STATE COUNTY PERMIT