

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

API 47 - 033 - 05944 County Harrison District Union
Quad West Milford, WV 7.5' Pad Name Nays 1209 Field/Pool Name Fink Kennedy
Farm name Nays Well Number Nays 1209 S-8H
Operator (as registered with the OOG) HG Energy II Appalachia, LLC
Address 5260 Dupont Road City Parkersburg State WV Zip 26101

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4333347.249 Easting 548191.974
Landing Point of Curve Northing 4333162.592 Easting 547705.103
Bottom Hole Northing 4330346.518 Easting 548782.991

Elevation (ft) 1007 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)
Air/ OBM
KCL, Barite, Lime, CaCL, base oil, clay, sulfatone, safevert FLG, safevert WA

Date permit issued 3/28/2019 Date drilling commenced 4/23/2019 Date drilling ceased 11/4/2019
Date completion activities began 1/11/2020 Date completion activities ceased 4/9/2020
Verbal plugging (Y/N) _____ 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 200, 300 Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N
Coal depth(s) ft 160, 544 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
SPW
6/30/2020

API 47-033 - 05944

Farm name Nays

Well number Nays 1209 S-8H

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"	30"	100	New	154.5 lbs/ft		N
Surface	26"	20"	748	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	1678	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2518	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	17055	New	23 lbs/ft P-11		Yes
Tubing	5.5	2.875	7126.19	New	6.5 lbs/ft J55		not cemented
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	Drilled in						
Surface	Class A	1416	15.6	1.2	1671	Surface	8
Coal							
Intermediate 1	Class A	1570/415	16.0/16.4	1.16/1.12	1752/415	Surface	24
Intermediate 2	Class A	776	15.6	1.19	960	Surface	8
Intermediate 3							
Production	Class A	1282/2030	14.8/14.8	1.33/1.34	1701/2712	Surface	8
Tubing	not cemented						

Drillers TD (ft) 17076 Loggers TD (ft) _____

Deepest formation penetrated Marcellus Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 6638'

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 _____

20" casing: Centralizer placed on the shoe joint and every other joint to surface

13.375" casing: centralizer run every joint to 20" casing then placed every 3 joints to surface

9.625" casing: Centralizers run every other joint to 13.375" casing then placed every 3 joints to surface

5.5" casing: Centralizer run every joint to top of curve (KOP) then centralizers placed every 3 joints to surface

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 _____

API 47- 033 - 05944

Farm name Nays

Well number Nays 1209 S-8H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
		See Attached			

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
			See Attached					

Please insert additional pages as applicable.

HG Energy II Appalachia, LLC**Nays 1209 S-8H****Perforation Record**

Stage #	Date	Perforation From Depth	Perforation To Depth	Number of Perforations	Formation
Sleeve / 1	2/3/2020	16952	16907	Sleeves	Marcellus
2	2/4/2020	16,873	16,705	49	Marcellus
3	2/4/2020	16,677	16,509	49	Marcellus
4	2/4/2020	16,481	16,313	49	Marcellus
5	2/5/2020	16,285	16,117	49	Marcellus
6	2/5/2020	16,089	15,921	49	Marcellus
7	2/5/2020	15,893	15,725	49	Marcellus
8	2/6/2020	15,697	15,529	49	Marcellus
9	2/6/2020	15,501	15,333	49	Marcellus
10	2/6/2020	15,305	15,137	49	Marcellus
11	2/7/2020	15,109	14,941	49	Marcellus
12	2/7/2020	14,913	14,745	49	Marcellus
13	2/7/2020	14,717	14,549	49	Marcellus
14	2/8/2020	14,521	14,353	49	Marcellus
15	2/8/2020	14,325	14,157	49	Marcellus
16	2/8/2020	14,129	13,961	49	Marcellus
17	2/8/2020	13,933	13,765	49	Marcellus
18	2/9/2020	13,737	13,569	49	Marcellus
19	2/9/2020	13,541	13,373	49	Marcellus
20	2/9/2020	13,345	13,177	49	Marcellus
21	2/10/2020	13,149	12,981	49	Marcellus
22	2/10/2020	12,953	12,785	49	Marcellus
23	2/10/2020	12,757	12,589	49	Marcellus
24	2/11/2020	12,561	12,393	49	Marcellus
25	2/22/2020	12,365	12,197	49	Marcellus
26	2/22/2020	12,169	12,001	49	Marcellus
27	2/22/2020	11,973	11,805	49	Marcellus
28	2/23/2020	11,777	11,609	49	Marcellus
29	2/23/2020	11,581	11,413	49	Marcellus
30	2/23/2020	11,385	11,217	49	Marcellus
31	2/24/2020	11,189	11,021	49	Marcellus
32	2/24/2020	10,993	10,825	49	Marcellus
33	2/24/2020	10,797	10,629	49	Marcellus
34	2/24/2020	10,601	10,433	49	Marcellus
35	2/25/2020	10,406	10,238	49	Marcellus
36	2/25/2020	10,212	10,044	49	Marcellus
37A	2/25/2020	10,018	9,850	49	Marcellus
37B	2/26/2020	10,018	9,810	98	Marcellus
38	2/26/2020	9,783	9,651	49	Marcellus
39	2/26/2020	9,630	9,462	49	Marcellus
40	2/26/2020	9,436	9,268	42	Marcellus
41	2/27/2020	9,214	9,074	42	Marcellus
42	2/27/2020	9,048	8,880	49	Marcellus
43	2/27/2020	8,854	8,686	49	Marcellus
44	2/28/2020	8,660	8,492	49	Marcellus
45A	2/28/2020	8,466	8,298	49	Marcellus
45B	2/28/2020	8,466	8,253	98	Marcellus
46	2/28/2020	8,228	8,096	49	Marcellus
47	2/29/2020	8,078	7,910	49	Marcellus
48	2/29/2020	7,884	7,716	49	Marcellus
49A	3/1/2020	7,690	7,522	49	Marcellus
49B	3/1/2020	7,690	7,483	98	Marcellus
50	3/1/2020	7,455	7,323	49	Marcellus
51	3/1/2020	7,302	7,162	42	Marcellus

HG Energy II Appalachia, LLC
Nays S-8H
Stimulation Record

Stage #	Date	Average Pump Rate (BPM)	Average Treatment Press (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBLs)
Sleeve / 1	2/3/2020	73.2	8719	9413	4820	227560	6880
2	2/4/2020	84.6	8,981	9,767	4,441	552,480	12,322
3	2/4/2020	84.4	8,570	9,716	4,660	697,840	16,117
4	2/4/2020	84.9	8,499	9,069	5,010	700,980	13,656
5	2/5/2020	87.9	9,162	9,602	5,460	700,020	14,170
6	2/5/2020	90.1	9,180	9,580	4,303	699,900	12,906
7	2/5/2020	88.6	9,180	9,154	4,955	700,780	12,529
8	2/6/2020	89.8	8,316	9,209	5,456	705,000	14,498
9	2/6/2020	91.2	8,346	8,940	4,911	700,620	11,654
10	2/6/2020	90.4	8,709	10,000	5,239	700,200	11,586
11	2/7/2020	86.1	8,618	9,153	4,830	705,700	9,862
12	2/7/2020	89.2	9,076	10,177	4,816	700,540	11,945
13	2/7/2020	90.4	9,041	9,922	5,301	704,780	10,175
14	2/8/2020	89.9	8,888	9,538	5,038	721,140	11,382
15	2/8/2020	89.2	8,952	9,988	4,675	717,580	11,539
16	2/8/2020	84.4	8,305	9,009	4,350	565,920	10,275
17	2/8/2020	89.0	8,204	9,275	5,206	720,760	9,785
18	2/9/2020	88.0	8,338	9,116	4,552	720,700	12,865
19	2/9/2020	89.7	8,333	8,889	5,535	722,460	11,392
20	2/9/2020	89.7	8,208	8,726	5,020	603,560	9,227
21	2/10/2020	86.9	8,716	9,747	5,060	740,000	11,641
22	2/10/2020	90.2	8,675	9,856	5,210	503,580	9,227
23	2/10/2020	90.7	8,759	9,190	6,069	711,120	9,867
24	2/11/2020	91.5	8,530	10,031	6,119	714,680	9,916
25	2/22/2020	89.3	8,877	9,962	5,402	720,320	11,630
26	2/22/2020	85.1	8,806	10,014	6,125	696,440	11,439
27	2/22/2020	91.9	8,687	9,500	5,170	720,000	10,033
28	2/23/2020	90.6	8,939	10,384	5,383	720,000	9,747
29	2/23/2020	90.3	8,567	9,135	4,956	720,500	11,177
30	2/23/2020	97.0	8,689	10,034	5,459	720,120	11,755
31	2/24/2020	92.9	8,688	9,586	4,949	720,000	9,744
32	2/24/2020	92.1	8,656	9,753	5,830	720,060	11,447
33	2/24/2020	93.7	8,457	8,748	5,905	720,060	12,132
34	2/24/2020	95.4	8,731	9,760	5,721	731,920	9,908
35	2/25/2020	93.4	8,749	10,013	4,540	720,760	11,443
36	2/25/2020	91.2	8,870	10,093	5,360	718,580	11,632
37A	2/25/2020	85.3	10,145	10,275	5,150	3,000	2,834
37B	2/26/2020	94.4	8,220	8,749	5,103	717,440	9,696
38	2/26/2020	91.3	8,700	9,412	5,109	720,520	12,321
39	2/26/2020	87.1	9,405	10,721	5,600	348,900	8,819
40	2/26/2020	92.9	8,597	10,120	5,301	721,760	9,685
41	2/27/2020	91.8	8,828	11,030	5,040	485,100	9,709
42	2/27/2020	91.0	8,724	10,367	4,525	558,240	10,561
43	2/27/2020	94.3	8,396	9,641	4,957	730,320	12,373
44	2/28/2020	76.5	8,323	10,495	5,275	610,980	10,949
45A	2/28/2020	76.6	8,583	11,694	5,424	236,520	8,995
45B	2/28/2020	95.7	7,892	8,362	5,230	500,960	7,529
46	2/28/2020	95.7	8,195	9,441	4,921	716,700	11,165
47	2/29/2020	93.4	8,201	9,028	5,004	724,940	10,928
48	2/29/2020	94.6	7,842	8,577	4,753	725,740	11,692
49A	3/1/2020	44.6	6,952	11,321	5,320	5,300	2,898
49B	3/1/2020	94.4	7,463	8,753	5,093	720,700	9,713
50	3/1/2020	86.5	8,753	10,472	5,467	720,080	13,064
51	3/1/2020	87.4	8,665	10,523	4,668	585,820	9,335

API 47- 033 05944 Farm name Nays Well number Nays 1209 S-8H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6638-6833</u> TVD	<u>7153-17076</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3567 psi Bottom Hole _____ psi DURATION OF TEST 364 hrs

OPEN FLOW Gas 15,456 mcfpd Oil _____ bpd NGL _____ bpd Water 1008 bpd GAS MEASURED BY 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	
	<u>0</u>		<u>0</u>		** See Attached **

Please insert additional pages as applicable.

Drilling Contractor Patterson Drilling
Address 2198 University Drive City Lemont Furnace State PA Zip 15456

Logging Company Renegade Wireline Services
Address 191 Earnhardt Rd. City Hunker State PA Zip 15639

Cementing Company Schlumberger
Address 300 Schlumberger Dr. City Sugar Land State TX Zip 77478

Stimulating Company Stingray
Address 14201 Caliber Dr City Oklahoma City State OK Zip 73134

Please insert additional pages as applicable.

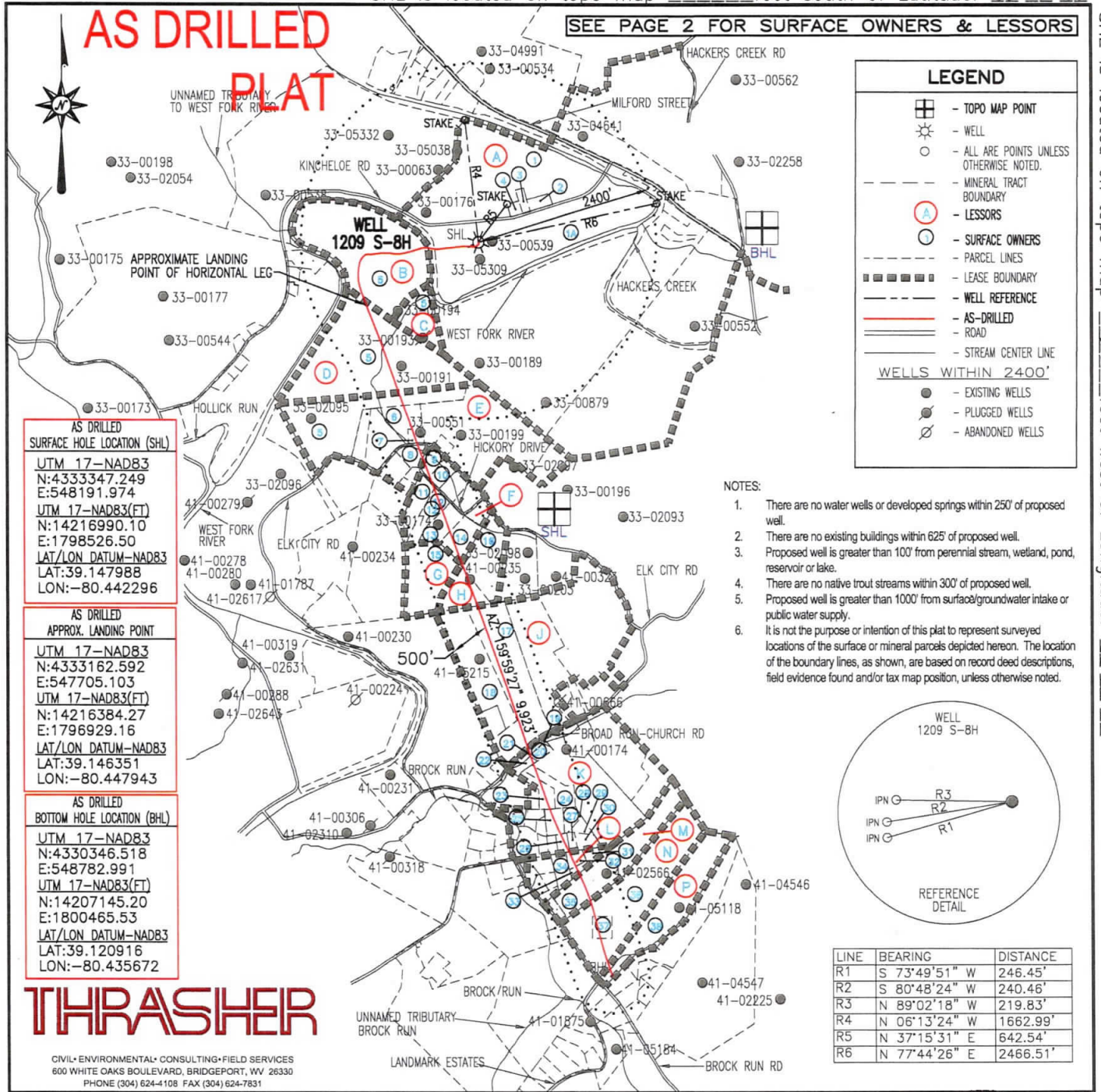
Completed by Diane White Telephone 304-420-1119
Signature Diane White Title _____ Date 6/17/2020

HG Energy II Appalachia, LLC
Nays 1209 S-8H
Lithology/Formation Information

Formation	Top Depth TMD	Top Depth TVD	Bottom Depth TMD	Bottom Depth TVD	Rock Type, Type of Fluid, Gas, Oil	Oil, Gas, Water
Coal	160	160	163	163	Coal	
Water show	200	200	202	202	.25" stream, silty shale	Fresh Water
Water show	300	300	301	301	.25" Stream, sand	Fresh Water
Coal	544	544	548	548	Coal	
3rd Salt sand	808	808	905	905	Sand/Siltstone	
Red rock	988	988	1054	1054	Red/brown Shale/Siltstone, sandstone	
Lower Maxton	1058	1058	1118	1118	Sandstone/ Siltstone	
Big lime	1158	1158	1229	1229	Limestone	
Big Injun	1229	1229	1344	1344	Sandstone	
Gantz	1541	1541	1594	1594	Sandstone	
50' sand	1644	1644	1682	1682	Sandstone	
30' Sand	1732	1732	1742	1742	Sandstone	
Gordon Stray	1790	1790	1856	1856	Sandstone	
Gordon Sand	1856	1856	1921	1921	Sandstone	
5th Sand	2051	2051	2076	2076	Sandstone	
Bayard	2126	2126	2138	2138	Sandstone	
Warren	2439	2439	2464	2464	Sandstone/Siltstone	
Speechley	2750	2750	2775	2775	siltstone/Shale	
Balltown	2967	2967	3008	3002	Sandstone	
Benson	4151	4047	4161	4057	Sandstone	
Rhinestreet	5874	5609	6340	6027	Shale	
Cashaqua	6340	6027	6588	6251	shale	
Middlesex	6588	6251	6700	6352	shale	
West River	6700	6352	6808	6436	shale	
Burket	6808	6436	6858	6474	shale	
Tully	6858	6474	7034	6582	Limestone	
Hamilton	7034	6582	7153	6638	shale	
Marcellus	7153	6638	17076	6833	shale	

BHL is located on topo map 3,011 feet south of Latitude: 39° 07' 30"
 SHL is located on topo map 6,803 feet south of Latitude: 39° 10' 00"

BHL is located on topo map 4,450 feet west of Longitude: 80° 25' 00"
 SHL is located on topo map 7,269 feet west of Longitude: 80° 25' 00"



FILE #: 1209 S-8H

DRAWING #: 1209 S-8H

SCALE: 1" = 2000'

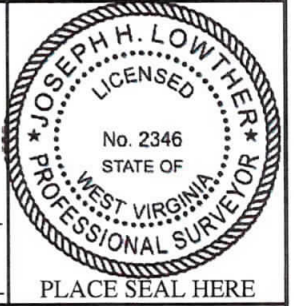
MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: _____

R.P.E.: _____ L.L.S.: P.S. No. 2346



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

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

DATE: MAY 21, 2020

OPERATOR'S WELL #: 1209 S-8H

API WELL #: 47 33 05944

STATE COUNTY PERMIT

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

WATERSHED: MIDDLE WEST FORK CREEK ELEVATION: 1,007±

COUNTY/DISTRICT: HARRISON / UNION QUADRANGLE: WEST MILFORD, WV 7.5'

SURFACE OWNER: HG ENERGY II APPALACHIA, LLC ACREAGE: 95.06±

OIL & GAS ROYALTY OWNER: ANN COVINGTON, ET AL ACREAGE: 437.875±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,833± TMD: 17,076±

WELL OPERATOR HG ENERGY II APPALACHIA, LLC DESIGNATED AGENT DIANE C. WHITE
 Address 5260 DUPONT ROAD Address 5260 DUPONT ROAD
 City PARKERSBURG State WV Zip Code 26101 City PARKERSBURG State WV Zip Code 26101

AS DRILLED PLAT

1209 S-8H PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
1	DANNY LEE & ALICIA A. STICKEL	P/O 20-444/11.2
1A	HG ENERGY II APPALACHIA, LLC	P/O 20-444/11.2
2	HG ENERGY II APPALACHIA, LLC	20-444/11.3
3	AARON C. & CHRISTINA P. MEDINA	20-444/11
4	HG ENERGY II APPALACHIA, LLC	20-444/11.1
5	ROCK GARTON	12-444/26
6	NORMAN W. & MARGARET A. LOHR	12-444/27.2
7	NORMAN W. & MARGARET A. LOHR	12-444/27.1
8	TRAVIS W. & LOGAN M. SWIGER	12-444/28.1
9	BRYAN D. & KIMBERLY J. SMITH	12-444/37.9
10	BRYAN D. & KIMBERLY J. SMITH	12-444/37.8
11	DAKOTA M. DAVIS	12-444/37.1
12	KAREN L. CRISLIP	12-444/37.2
13	KEVIN MARION	12-444/37.3
14	DONALD EARL HONAKER	12-444/37.4
15	ROBERT SCOTT STARKEY	4-7B/59
16	ROBERT SCOTT STARKEY	4-7B/60
17	LEE ARCH & SUSAN B. STALNAKER	4-7B/5.1
18	MARK D. & MARY ELIZABETH REASER	4-7B/5.7
19	HERBERT & VELMA SIAS	4-7B/29.17
20	HERBERT & VELMA SIAS	4-7B/28.1
21	HERBERT & VELMA SIAS	4-7B/28.2
22	DANIEL R. & SARITA M. PRINCE	4-7B/28
23	CEMETERY BROAD RUN	4-7B/25
24	CEMETERY BROAD RUN	4-7B/26
25	ARQUILLA JANE RAINES	4-7B/29.13
26	CARMEN V. BUTCHER	4-7C/74
27	STEPHANIE KIRKPATRICK	4-7C/75
28	VIRGIL B. & MELODY K. WHITE	4-7B/29.10
29	CHARLES E. BYRNE	4-7C/86
30	ALLEN C. & LILLY M. JACKSON	4-7C/73
31	FRANK L. & MARY ELLEN BRAGG	4-7C/68
32	FRANK L. & MARY ELLEN BRAGG	4-7C/64
33	FRANK L. & MARY ELLEN BRAGG	4-7C/59
34	RALPH L. COLE	4-7C/62
35	ROBERT G. & ALISA G. GUM	4-7C/30.2
36	ROBERT G. & ALISA G. GUM	4-7C/31
37	ROBERT G. & ALISA G. GUM	4-7C/31.1
38	KEVIN B. & SHERI K. JERDEN	4-8C/1.1

AS DRILLED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83
N:4333347.249
E:548191.974
UTM 17-NAD83(FT)
N:14216990.10
E:1798526.50
LAT/LON DATUM-NAD83
LAT:39.147988
LON:-80.442296

AS DRILLED APPROX. LANDING POINT
UTM 17-NAD83
N:4333162.592
E:547705.103
UTM 17-NAD83(FT)
N:14216384.27
E:1796929.16
LAT/LON DATUM-NAD83
LAT:39.146351
LON:-80.447943

AS DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83
N:4330346.518
E:548782.991
UTM 17-NAD83(FT)
N:14207145.20
E:1800465.53
LAT/LON DATUM-NAD83
LAT:39.120916
LON:-80.435672

	LESSOR	LEASE NO.	DIST-TM/PAR
A	J. B. GUSMAN ET AL	FK020606	20-444/11.2
B	J. A. HARDWAY ET AL	FK004424	12-444/26
C	J. Q. MUSSER	FK061781	
D	W. W. BRANNON ET UX	FK032708	
E	J. K. MUSSER ET UX	FK002243	12-444/26 12-444/27.2 12-444/27.1 12-444/28.1
F	KENNETH R. SIMONS ET AL O.B. FRASHUER ET UX	FK064201 FK064206	12-444/37.1 12-444/37.2 12-444/37.9 12-444/37.8 12-444/37.3 12-444/37.4
G	ETHEL B. PAINE ET AL	FK064249	4-7B/59
H	J. Q. MUSSER ET UX	FK002249	4-7B/59 4-7B/60
J	S. G. HALL ET UX	FK014031	4-7B/5.1 4-7B/5.7
K	ALDA V. HITT	FK077958	4-7B/28.1 4-7B/28.2 4-7B/28 4-7B/25 4-7B/26 4-7B/29.13 4-7C/74
L	C. A. BAILY	CNX26831600	4-7C/64 4-7C/59 4-7C/62
M	J. H. BAILEY ET AL	Q102176000	4-7C/30.2
N	ALISA G. GUM LORI LEE CALDWELL GERALD W. RAMSBURG KARRIE DIANE SIMS DENISE C. CARSON KAREN K. HOBBS KATRINA L. WEST DAVID C. GARVIN	Q102118000 Q102123000 Q098757000 Q102112000 Q102117000 Q102122000 Q102121000 Q102119000	4-7C/31 4-7C/31.1
P	KEVIN B. JERDEN ET UX	Q102115000	4-8C/1.1

* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE



MAY 21, 2020

API WELL #: 47 33 05944
STATE COUNTY PERMIT

