

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

API 47 - 033 - 05946 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-10H
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 4333356.363 Easting 548191.394
Landing Point of Curve Northing 4333481.925 Easting 548556.046
Bottom Hole Northing 4329327.274 Easting 550087.367

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 4/25/2019 Date drilling ceased 11/24/2019
Date completion activities began 1/11/2020 Date completion activities ceased 4/10/2020
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 120, 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:
SDW
6/30/2020

API 47-033 - 05946 Farm name Nays Well number Nays 1209 S-10H

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"	751	New	94 lbs/ft J-55		Yes
Coal							
Intermediate 1	17.5"	13.375"	1683	New	68 lbs/ft		Yes
Intermediate 2	12.25"	9.625"	2513	New	40 lbs/ft J-55		Yes
Intermediate 3							
Production	8.5	5.5	21634	New	23 lbs/ft P-11		Yes
Tubing	5.5	2.875	7151.27	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	1273	15.6	1.2	1555	Surface	8
Coal							
Intermediate 1	Class A	1597/451	16.0/16.4	1.16/1.12	1853/505	Surface	24
Intermediate 2	Class A	775	15.6	1.19	921	Surface	8
Intermediate 3							
Production	Class A	1324/3017	14.8/14.8	1.34/1.34	1774/4042	Surface	8
Tubing							

Drillers TD (ft) 21657 Loggers TD (ft) _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) 6741'

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 _____

HG Energy II Appalachia, LLC

Nays 1209 S-10H

Perforation Information

Stage #	Date	Perforation From Depth	Perforation To Depth	Number of Perforations	Formation
Sleeve / 1	2/11/2020	21521	21473	Sleeves	Marcellus
2	2/12/2020	21,439	21,271	49	Marcellus
3	2/12/2020	21,243	21,075	49	Marcellus
4	2/13/2020	21,047	20,879	49	Marcellus
5	2/13/2020	20,851	20,711	42	Marcellus
6	2/14/2020	20,655	20,487	49	Marcellus
7	2/14/2020	20,459	20,291	49	Marcellus
8	2/15/2020	20,263	20,095	49	Marcellus
9	2/15/2020	20,067	19,899	49	Marcellus
10	2/16/2020	19,870	19,702	49	Marcellus
11	2/16/2020	19,672	19,504	49	Marcellus
12	2/16/2020	19,474	19,306	49	Marcellus
13	2/17/2020	19,276	19,108	49	Marcellus
14	2/17/2020	19,078	18,910	49	Marcellus
15	2/17/2020	18,880	18,712	49	Marcellus
16	2/18/2020	18,682	18,514	49	Marcellus
17	3/2/2020	18,111	17,943	49	Marcellus
18	3/3/2020	17,915	17,747	49	Marcellus
19	3/3/2020	17,719	17,551	49	Marcellus
20	3/4/2020	17,523	17,355	49	Marcellus
21	3/4/2020	17,327	17,159	49	Marcellus
22A	3/5/2020	17,131	16,963	49	Marcellus
22B	3/5/2020	17,131	16,918	98	Marcellus
23	3/6/2020	16,893	16,761	49	Marcellus
24	3/6/2020	16,739	16,571	49	Marcellus
25	3/6/2020	16,543	16,375	49	Marcellus
26	3/7/2020	16,347	16,179	49	Marcellus
27	3/7/2020	16,151	15,983	49	Marcellus
28	3/7/2020	15,955	15,787	49	Marcellus
29	3/7/2020	15,759	15,591	49	Marcellus
30	3/8/2020	15,563	15,395	49	Marcellus
31	3/8/2020	15,367	15,199	49	Marcellus
32	3/9/2020	15,171	15,003	49	Marcellus
33	3/9/2020	14,971	14,807	49	Marcellus
34	3/9/2020	14,779	14,611	49	Marcellus
35	3/10/2020	14,583	14,415	49	Marcellus
36	3/10/2020	14,387	14,219	49	Marcellus
37	3/10/2020	14,191	14,023	49	Marcellus
38	3/11/2020	13,995	13,827	49	Marcellus
39	3/11/2020	13,799	13,631	49	Marcellus
40	3/12/2020	13,603	13,435	49	Marcellus
41	3/12/2020	13,407	13,239	49	Marcellus
42	3/12/2020	13,211	13,043	49	Marcellus
43	3/12/2020	13,015	12,847	49	Marcellus
44	3/13/2020	12,819	12,651	49	Marcellus
45	3/13/2020	12,623	12,455	49	Marcellus
46	3/13/2020	12,427	12,259	49	Marcellus
47	3/13/2020	12,231	12,063	49	Marcellus
48	3/14/2020	12,035	11,867	49	Marcellus
49	3/14/2020	11,839	11,671	49	Marcellus
50	3/15/2020	11,643	11,475	49	Marcellus
51	3/15/2020	11,447	11,279	49	Marcellus
52	3/15/2020	11,251	11,083	49	Marcellus
53	3/15/2020	11,055	10,887	49	Marcellus
54	3/16/2020	10,859	10,691	49	Marcellus
55	3/16/2020	10,663	10,495	49	Marcellus
56	3/16/2020	10,467	10,299	49	Marcellus
57	3/17/2020	10,271	10,103	49	Marcellus
57B	3/17/2020	10,271	10,066	98	Marcellus
58	3/18/2020	10,038	9,894	49	Marcellus
59	3/18/2020	9,877	9,711	49	Marcellus
60	3/18/2020	9,683	9,515	49	Marcellus
61	3/18/2020	9,487	9,319	49	Marcellus
62	3/19/2020	9,291	9,123	49	Marcellus
63	3/19/2020	9095	8927	49	Marcellus
64	3/19/2020	8899	8731	49	Marcellus
65	3/19/2020	8703	8535	49	Marcellus
66	3/20/2020	8507	8339	49	Marcellus
67	3/20/2020	8311	8143	49	Marcellus
68	3/20/2020	8115	7947	49	Marcellus
69	3/20/2020	7919	7751	49	Marcellus
70	3/21/2020	7723	7555	49	Marcellus
71	3/21/2020	7527	7359	49	Marcellus
72	3/21/2020	7331	7163	49	Marcellus

HG Energy II Appalachia, LLC
Nays 1209 S-10H
Stimulation Information

Stage #	Date	Average Pump Rate (BPM)	Average Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Proppant (LBS)	Water (BBls)
Sleeve / 1	2/11/2020	71.3	8511	9918	4022	270600	8657
2	2/12/2020	79.4	8,969	9,455	5,044	640,280	13,441
3	2/12/2020	74.6	8,917	9,749	5,280	703,750	15,196
4	2/13/2020	80.8	9,018	9,580	6,085	700,580	14,033
5	2/13/2020	75.2	8,616	9,590	5,210	702,140	13,319
6	2/14/2020	81.9	9,020	9,301	4,800	704,600	12,781
7	2/14/2020	82.6	8,783	9,310	5,037	700,860	11,660
8	2/15/2020	79.8	8,688	8,973	5,091	709,480	11,136
9	2/15/2020	83.8	9,139	9,624	5,610	710,300	11,537
10	2/16/2020	82.7	9,027	9,415	5,323	708,760	11,590
11	2/16/2020	81.4	8,812	9,333	4,912	705,000	9,922
12	2/16/2020	82.8	8,968	9,232	5,301	707,060	9,915
13	2/17/2020	82.8	9,060	9,449	5,639	721,560	9,821
14	2/17/2020	81.7	8,810	9,376	4,680	722,960	10,069
15	2/17/2020	80.7	9,082	9,568	5,414	720,360	10,335
16	2/18/2020	80.7	9,002	9,627	5,552	720,780	12,410
17	3/2/2020	85.0	9,366	10,169	4,775	585,300	9,231
18	3/3/2020	81.4	9,509	10,218	5,210	386,540	9,356
19	3/3/2020	79.9	9,054	10,021	4,050	719,700	13,245
20	3/4/2020	79.5	8,936	10,039	4,760	720,540	12,050
21	3/4/2020	74.9	8,825	10,854	4,510	626,400	11,240
22A	3/5/2020	79.4	9,179	10,676	6,920	271,840	7,270
22B	3/5/2020	55.0	9,333	9,499	6,400	750	4,921
23	3/6/2020	91.8	9,480	10,443	5,310	720,960	9,687
24	3/6/2020	90.8	9,158	9,807	5,713	706,800	11,577
25	3/6/2020	89.9	8,919	9,194	5,297	719,940	9,927
26	3/7/2020	89.5	9,499	10,302	5,720	716,480	11,791
27	3/7/2020	90.0	9,337	10,256	5,810	674,060	10,284
28	3/7/2020	89.9	8,898	9,800	5,486	558,440	13,339
29	3/7/2020	89.3	8,440	8,895	5,480	718,720	12,223
30	3/8/2020	84.9	8,798	13,413	5,769	715,000	11,270
31	3/8/2020	88.6	8,649	9,154	5,210	483,680	9,168
32	3/9/2020	87.0	8,919	10,035	4,980	723,080	11,786
33	3/9/2020	87.6	8,503	9,278	5,982	711,970	13,613
34	3/9/2020	93.1	9,253	10,067	4,880	594,900	10,863
35	3/10/2020	90.1	8,985	9,761	5,040	699,740	12,929
36	3/10/2020	92.2	9,096	9,578	5,572	720,700	11,635
37	3/10/2020	88.5	9,206	9,761	5,240	720,660	14,384
38	3/11/2020	86.8	9,305	9,976	5,484	616,230	13,765
39	3/11/2020	80.5	9,428	10,666	5,590	722,060	14,677
40	3/12/2020	87.1	9,028	9,483	5,541	740,880	11,985
41	3/12/2020	87.8	9,252	10,014	5,053	740,320	13,463
42	3/12/2020	89.0	9,084	10,080	5,050	708,200	11,572
43	3/12/2020	86.8	9,188	10,155	4,220	740,000	15,919
44	3/13/2020	88.9	8,772	9,437	4,520	740,380	15,491
45	3/13/2020	89.6	9,025	9,808	5,305	740,220	11,676
46	3/13/2020	93.4	8,661	9,314	5,140	668,180	11,095
47	3/13/2020	92.7	8,499	9,139	5,020	722,240	11,715
48	3/14/2020	96.6	8,306	8,711	4,603	740,040	11,835
49	3/14/2020	94.9	8,711	9,220	5,260	739,960	11,744
50	3/15/2020	93.5	8,130	9,268	5,120	738,620	11,786
51	3/15/2020	95.5	8,686	8,944	4,460	740,400	11,770
52	3/15/2020	92.3	9,059	9,820	4,522	739,940	13,506
53	3/15/2020	95.8	8,781	9,174	4,780	740,420	11,918
54	3/16/2020	94.7	8,908	9,540	4,980	603,940	10,817
55	3/16/2020	94.2	8,713	9,644	4,405	674,140	11,129
56	3/16/2020	92.7	8,529	9,947	4,740	739,960	12,682
57	3/17/2020	84.9	8,890	10,259	5,225	170,480	7,636
57B	3/17/2020	88.7	8,518	9,498	3,955	570,400	8,718
58	3/18/2020	90	9,091	10,450	4,950	662,140	12,540
59	3/18/2020	93.1	8,575	9,842	5,132	740,340	11,367
60	3/18/2020	91.4	8,448	9,147	4,250	740,640	13,198
61	3/18/2020	95	8,122	8,754	4,911	733,400	11,419
62	3/19/2020	93.1	8,202	8,937	4,762	739,920	11,434
63	3/19/2020	95.6	8,380	7,989	5,411	741340	12,450
64	3/19/2020	96.4	7,918	8,438	5,340	740320	9,972
65	3/19/2020	97	7,892	8,480	5,487	740840	9,850
66	3/20/2020	96.5	8,040	8,673	5,724	740820	9,891
67	3/20/2020	95.8	7,895	8,223	5,368	740020	10,351
68	3/20/2020	97	7,907	8,312	5,449	740320	9,890
69	3/20/2020	96.9	7,970	8,350	5,656	740000	9,853
70	3/21/2020	95.6	7,871	8,286	5,367	740900	11,829
71	3/21/2020	95.1	7,891	8,417	5,121	739920	9,893
72	3/21/2020	93.4	7,670	8,424	5,220	605420	8,439

HG Energy II Appalachia, LLC
Nays 1209 S-10H
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
Water show	120	120	121	121	Damp, silt/sand	Water
Coal	160	160	163	163	Coal	
Water show	300	300	301	301	1/4" Stream, sand	
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	
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	3005	3002	Sandstone	
Benson	4131	4047	4141	4057	Sandstone	
Rhinestreet	5771	5609	6340	6154	Shale	
Cashaqua	6340	6154	6544	6347	shale	
Middlesex	6544	6347	6638	6430	shale	
West River	6638	6430	6777	6545	shale	
Burket	6777	6545	6828	6581	shale	
Tully	6828	6581	6967	6676	Limestone	
Hamilton	6967	6676	7106	6741	shale	
Marcellus	7106	6741	21657	6800	shale	

BHL is located on topo map 4,857 feet south of Latitude: 39° 07' 30"
 SHL is located on topo map 6,773 feet south of Latitude: 39° 10' 00"

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL
SEE PAGE 3 FOR SURFACE OWNERS

AS DRILLED PLAT

BHL is located on topo map 1,125 feet west of Longitude: 80° 25' 00"
 SHL is located on topo map 7,270 feet west of Longitude: 80° 25' 00"

	LESSOR	LEASE NO.	DIST-TM/PAR
A	J. B. GUSMAN ET AL	FK020606	20-444/11.2 12-444/21 12-444/22 20-444/11.3 12-444/11 12-444/11.1
B	HOWARD NEELY	FK014008	12-444/43 12-444/32 12-465/14 12-465/15 4-8B/1.25 4-8B/1.19 4-8B/1.5
C	W. L. RIFFE ET AL	FK064316	4-8B/1.7 4-8B/1.1 4-8B/1.18 4-8B/1.15 4-8B/1.8
D	H. S. BAILEY ET AL	FK013035	4-8B/1.5 4-8B/1.1
E	ISAAC JACKSON	LC009807	4-8B/4 4-8B/5 4-8C/29 4-8C/34
F	FREDA M. COLVIN ET VIR	CNX024530	P/O 4-8C/28
G	ROBERT BLAIR III	HGII147	P/O 4-8B/28



AS DRILLED
SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83(M)
 N:4333356.363
 E:548191.394
 UTM 17-NAD83(FT)
 N:14217020.00
 E:1798524.60
 LAT/LON DATUM-NAD83
 LAT:39.148070
 LON:-80.442302

AS DRILLED
APPROX. LANDING POINT
 UTM 17-NAD83(M)
 N:4333481.925
 E:548556.046
 UTM 17-NAD83(FT)
 N:14217431.95
 E:1799720.96
 LAT/LON DATUM-NAD83
 LAT:39.149181
 LON:-80.438073

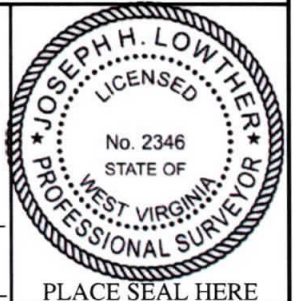
AS DRILLED
BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83(M)
 N:4329327.274
 E:550087.367
 UTM 17-NAD83(FT)
 N:14203801.23
 E:1804744.97
 LAT/LON DATUM-NAD83
 LAT:39.111658
 LON:-80.420659

THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831

FILE #: 1209 S-10H
 DRAWING #: 1209 S-10H
 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: *Joseph H. Lowther*
 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-10H
 API WELL #: 47 33 05946
 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: 879.03±

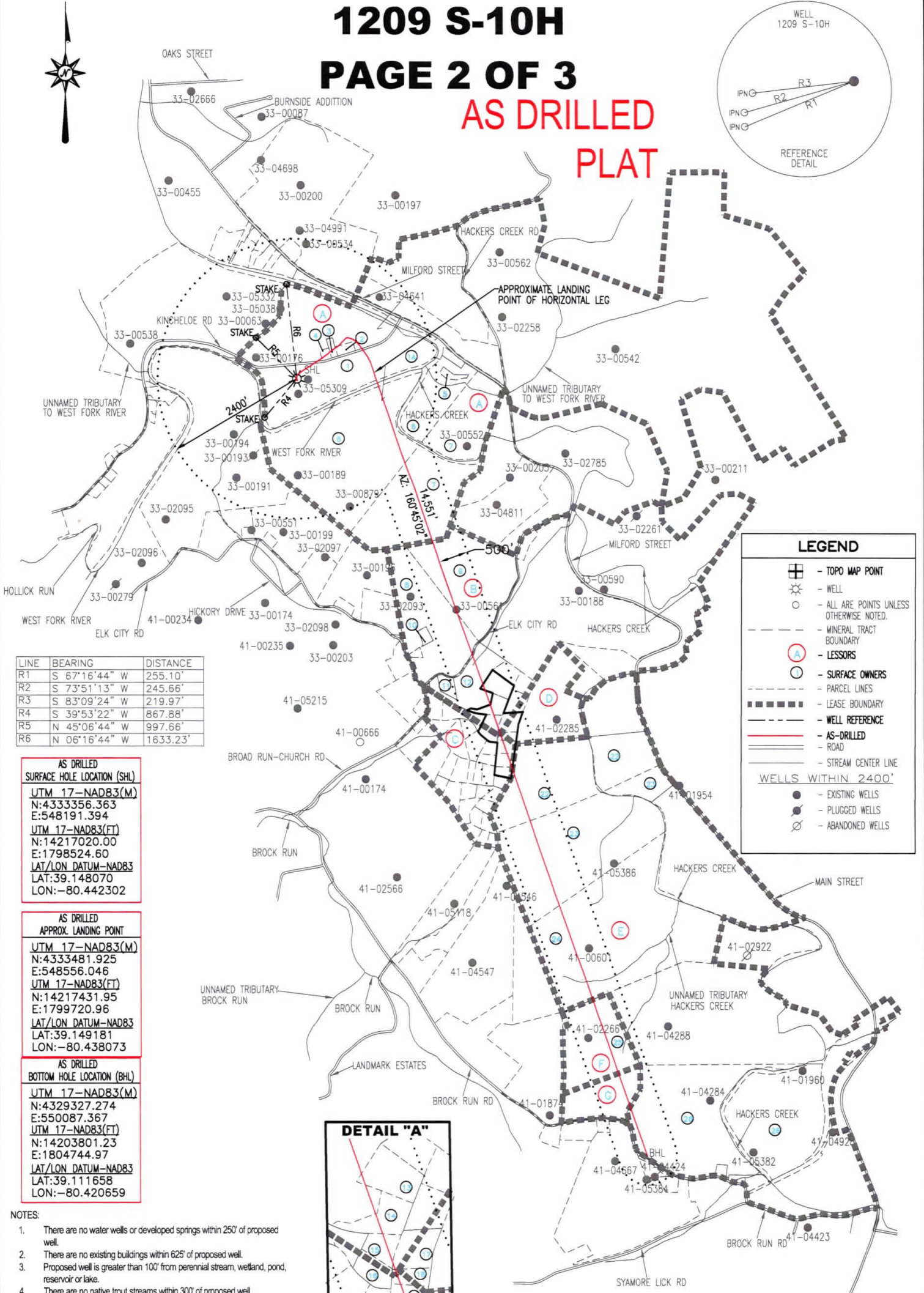
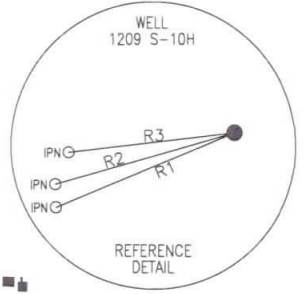
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,800'± TMD: 21,657'±
 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

1209 S-10H

PAGE 2 OF 3

AS DRILLED PLAT



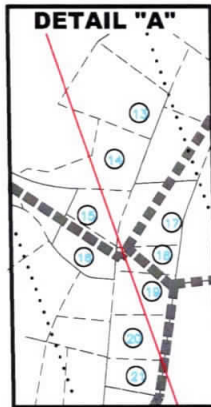
LINE	BEARING	DISTANCE
R1	S 67°16'44" W	255.10'
R2	S 73°51'13" W	245.66'
R3	S 83°09'24" W	219.97'
R4	S 39°53'22" W	867.88'
R5	N 45°06'44" W	997.66'
R6	N 06°16'44" W	1633.23'

**AS DRILLED
SURFACE HOLE LOCATION (SHL)**
 UTM 17-NAD83(M)
 N:4333356.363
 E:548191.394
 UTM 17-NAD83(FT)
 N:14217020.00
 E:1798524.60
 LAT/LON DATUM-NAD83
 LAT:39.148070
 LON:-80.442302

**AS DRILLED
APPROX. LANDING POINT**
 UTM 17-NAD83(M)
 N:4333481.925
 E:548556.046
 UTM 17-NAD83(FT)
 N:14217431.95
 E:1799720.96
 LAT/LON DATUM-NAD83
 LAT:39.149181
 LON:-80.438073

**AS DRILLED
BOTTOM HOLE LOCATION (BHL)**
 UTM 17-NAD83(M)
 N:4329327.274
 E:550087.367
 UTM 17-NAD83(FT)
 N:14203801.23
 E:1804744.97
 LAT/LON DATUM-NAD83
 LAT:39.111658
 LON:-80.420659

- NOTES:
- There are no water wells or developed springs within 250' of proposed well.
 - There are no existing buildings within 625' of proposed well.
 - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
 - There are no native trout streams within 300' of proposed well.
 - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
 - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



LEGEND

- ⊕ - TOPO MAP POINT
- ☼ - WELL
- - ALL ARE POINTS UNLESS OTHERWISE NOTED.
- - - - - MINERAL TRACT BOUNDARY
- (with A) - LESSORS
- (with B) - SURFACE OWNERS
- - - - - PARCEL LINES
- - - - - LEASE BOUNDARY
- - - - - WELL REFERENCE
- — — — — AS-DRILLED
- — — — — ROAD
- — — — — STREAM CENTER LINE

WELLS WITHIN 2400'

- - EXISTING WELLS
- ⊗ - PLUGGED WELLS
- ⊘ - ABANDONED WELLS

API WELL #: 47 33 05946
 STATE COUNTY PERMIT

MAY 21, 2020

THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831



1209 S-10H

PAGE 3 OF 3

AS DRILLED
PLAT

	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	ERIC K. & SUSIE G. DECKER	12-444/21.2
6	ERIC K. & SUSIE G. DECKER	12-444/21
7	ERIC K. & SUSIE G. DECKER	12-444/22
8	BARBARA LEE SETLIFF	12-444/43
9	ERIC K. & SUSIE G. DECKER	12-444/32
10	REBECAH D. CARSON & PAMELA M. MINIGH	12-444/43.2
11	DAREN R. & AMANDA G. HENDERSHOT	4-8B/1.33
12	JOEL V. & KAY N. KROLL AND JOEL DANIEL KROLL	12-465/14
13	FRED J., JR. & MICHELE L. TURNER	12-465/15
14	WILLIAM E. & BARBARA A. FULTZ	04-8B/1.25
15	JEREMY M. & AMANDA A. JONES	04-8B/1.19
16	WESLEY T. BURTON	04-8B/1.7
17	KERRIE DIANE WORKMAN	04-8B/1.5
18	GERALD E. BENNINGTON	04-8B/1.1
19	WILLIAM C. WHITE	04-8B/1.18
20	DARRELL K. KINCAID	04-8B/1.15
21	JOAN G. MILLER	04-8B/1.8
22	THOMAS E. & TERRI E. HAWKINS	4-8B/4
23	THOMAS E. & TERRI E. HAWKINS	4-8B/5
24	C. D. COLE II	4-8C/29
25	C. D. COLE II	4-8C/28
25	CHARLES D. COLE II	4-8C/34

AS DRILLED
SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83(M)
N:433356.363
E:548191.394
UTM 17-NAD83(FT)
N:14217020.00
E:1798524.60
LAT/LON DATUM-NAD83
LAT:39.148070
LON:-80.442302

AS DRILLED
APPROX. LANDING POINT

UTM 17-NAD83(M)
N:4333481.925
E:548556.046
UTM 17-NAD83(FT)
N:14217431.95
E:1799720.96
LAT/LON DATUM-NAD83
LAT:39.149181
LON:-80.438073

AS DRILLED
BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83(M)
N:4329327.274
E:550087.367
UTM 17-NAD83(FT)
N:14203801.23
E:1804744.97
LAT/LON DATUM-NAD83
LAT:39.111658
LON:-80.420659

MAY 21, 2020

THRASHER

API WELL #: 47 33 05946
STATE COUNTY PERMIT

