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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, June 28, 2021  
PERMIT MODIFICATION APPROVAL  
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC  
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for FLESHER 1212 S-7H  
47-041-05716-00-00

**Lateral Extension**

HG ENERGY II APPALACHIA, 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: FLESHER 1212 S-7H  
Farm Name: H. G. ENERGY II APPALACHIA, LLC  
U.S. WELL NUMBER: 47-041-05716-00-00  
Horizontal 6A New Drill  
Date Modification Issued: June 28, 2021

Promoting a healthy environment.

07/02/2021



**HG Energy, LLC**  
5260 Dupont Road  
Parkersburg, WV 26101  
(304) 420-1100 - Office  
(304) 863-3172 - Fax

May 19, 2021

WV DEP  
Division of Oil & Gas  
Attn: Kelly Kees  
601 57<sup>th</sup> Street  
Charleston, West Virginia 25304

RE: Flesher 1212 S-7H Request for Permit Revision – (47-041-05716)  
Freemans Creek District, Lewis County, West Virginia  
**Request for Modification Due to Acquiring Additional Leases**

Dear Ms. Kees -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic, AOR and WW6A-1) for the requested 1212 S-7H well work permit revision. We ask the permit be modified to reflect additional leases acquired to length the lateral.

Please let me know if you have any questions or require additional information. I can be reached at (304) 420-1119 or [dwhite@hgenergyllc.com](mailto:dwhite@hgenergyllc.com).

Very truly yours,

*Diane White*

Diane C. White

Enclosures

cc: Sam Ward – DEP State Inspector

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07/02/2021

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

1) Well Operator: HG Energy II Appalachia, Inc. 494519932 Lewis Freeman Weston 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Flesher 1212 S-7H Well Pad Name: Flesher 1212

3) Farm Name/Surface Owner: Flesher Public Road Access: SR19 to Kincheloe Run Rd to Valley Chapel Rd

4) Elevation, current ground: 1338' Elevation, proposed post-construction: 1332'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_  
Horizontal  SOW  
5/21/2021

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Marcellus at 6845'/6927' and 82' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 6913'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,509'

11) Proposed Horizontal Leg Length: 15,154'

12) Approximate Fresh Water Strata Depths: 105', 273', 302'

13) Method to Determine Fresh Water Depths: Nearest offset well data, (47-041-5338, 0218)

14) Approximate Saltwater Depths: 1028' (Nearest offset well data, 47-041-1673)

15) Approximate Coal Seam Depths: 420', 525' 830' (Surface casing is being extended to cover the coal in the DTI Storage Field)

16) Approximate Depth to Possible Void (coal mine, karst, other): None

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: \_\_\_\_\_

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WW-6B  
(04/15)

API NO. 47- 041 - 05716  
 OPERATOR WELL NO. Flesher 1212 S-7H  
 Well Pad Name: Flesher 1212

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	30"	New	LS	157.5	120' ✓	120'	Drilled In
Fresh Water/Coal	20"	NEW	J-55	94	1000' ✓	1000'	CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2100' ✓	2100'	CTS
Intermediate 2	9 5/8"	NEW	J-55 BTC	40	2900' ✓	2900'	CTS
Production	5 1/2"	NEW	P-110 HP	23	22509' ✓	22509'	CTS
Tubing							
Liners							

SDW  
5/21/2021

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	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40% excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Lead 40% excess, Tail 0% Excess
Production	5 1/2"	8 1/2"	.415	16240 ✓	12500	Type 1/Class A	20% excess yield = 1.18, tail yield 1.54
Tubing							
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 6913 feet. Drill horizontal leg to estimated 15,154' lateral length, 22,509' TMD. Hydraulically fracture stimulate and be capable of producing from the Marcellus Formation. Should we encounter an unanticipated void in the coal, we will install a minimum of 20' of casing below the void but not more than 100' below the void, set a basket and grout to surface. We plan to run an ACP above the Gantz/Dominion Storage interval to aid in sealing off and isolating the storage interval.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The stimulation will be completed with multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals. See attached list. Maximum pressure not to exceed 12,500 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 33.17 acres

22) Area to be disturbed for well pad only, less access road (acres): 6.84 acres

23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing.  
Freshwater/Coal - centralized every 3 joints to surface.  
Intermediate 1 - Bow Spring on every joint, will also be running ACP for isolating storage zone  
Intermediate 2 - Bow Spring on first 2 joints then every third joint to 100' from surface.  
Production - Run 1 spiral centralizer every 5 joints from the top of the curve to surface. Run 1 spiral centralizer every 3 joints from the 1st 5.5' long joint to the top of the curve.

24) Describe all cement additives associated with each cement type:

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig.  
Fresh Water/Coal - 15.8 ppg PNE-1 + 3% bwoc CaCl<sub>2</sub>, 40% Excess Yield = 1.20, CTS  
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub>, 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub> zero% Excess, CTS  
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub>, 40% Excess, Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub>, zero% Excess, CTS  
Production - Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170, Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess, Lead Yield=1.19, Tail Yield=1.94, CTS

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.  
Fresh Water/Coal - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.  
Intermediate 1 - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.  
Intermediate 2 - Once casing is at setting depth, Circulate and condition must at TD. Circulate a minimum of one hole volume prior to pumping cement.  
Production - Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.

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\*Note: Attach additional sheets as needed.



1212 S-7H  
Marcellus Shale Horizontal  
Lewis County, WV

470405716

Ground Elevation			1212 S-7H SHL				14206086.55N 1785751.82E			
Azm			1212 S-7H LP				14205589.56N 1785898.54E			
WELLBORE DIAGRAM			1212 S-7H BHL				14191307.31N 1790945.35E			
HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
30"	30" 157.5# LS	Conductor	0	120	AIR	N/A. Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness	
26"	20" 94# J-55	Fresh Water	0	273	AIR	15.6 ppg PNE-1 + 3% bwoc CaCl 40% Excess Yield=1.20 / CTS	Centralized every 3 joints to surface	Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.	Surface casing = 0.438" wall thickness Burst=2110 psi	
		Kittaning Coal	987	992						
		Fresh Water Protection	0	1000						
17.5"	13-3/8" 68# J-55 BTC	Big Lime	1548	1613	AIR / KCL Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	Bow Spring on every joint <i>*will also be running ACP for isolating storage zone*</i>	Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.480" wall thickness Burst=3450 psi	
		Injun / Ganz (Storage)	1613 / 1898	1718 / 1958						
		Intermediate 1	0	2100						
12.25"	9-5/8" 40# J-55 BTC	Fifty / Thirty Foot	2008 / 2105	2033 / 2128	AIR / KCL Salt Polymer	Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS	Bow Spring on first 2 joints then every third joint to 100' form surface	Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.	Intermediate casing = 0.395" wall thickness Burst=3950 psi	
		Gordon Stray / Gordon	2128 / 2198	2198 / 2288						
		5th Sand	2374	2416						
		Bayard Sand	2450	2480						
8.75" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3078	3089	AIR / 9.0ppg SOBM	Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess Lead Yield=1.19 Tail Yield=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note:Actual centralizer schedules may be changed due to hole conditions	
		Balltown	3278	3350						
		Benson	4370	4382						
8.5" Curve		Rhinestreet	6256	6445	11.5ppg-12.5ppg SOBM		Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.			
		Cashaqua	6445	6526						
		Middlesex	6526	6625						
		West River	6625	6660						
		Burkett	6660	6751						
		Tully Limestone	6751	6815						
		Hamilton	6815	6753						
8.5" Lateral	Marcellus	6845	6927	11.5ppg-12.5ppg SOBM	Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.					
	TMD / TVD (Production)	22509	6913							
		Onondaga	6927							

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LP @ 6913' TVD / 7355' MD

8.5" Hole - Cemented Long String  
5-1/2" 23# P-110 HP CDC HTQ

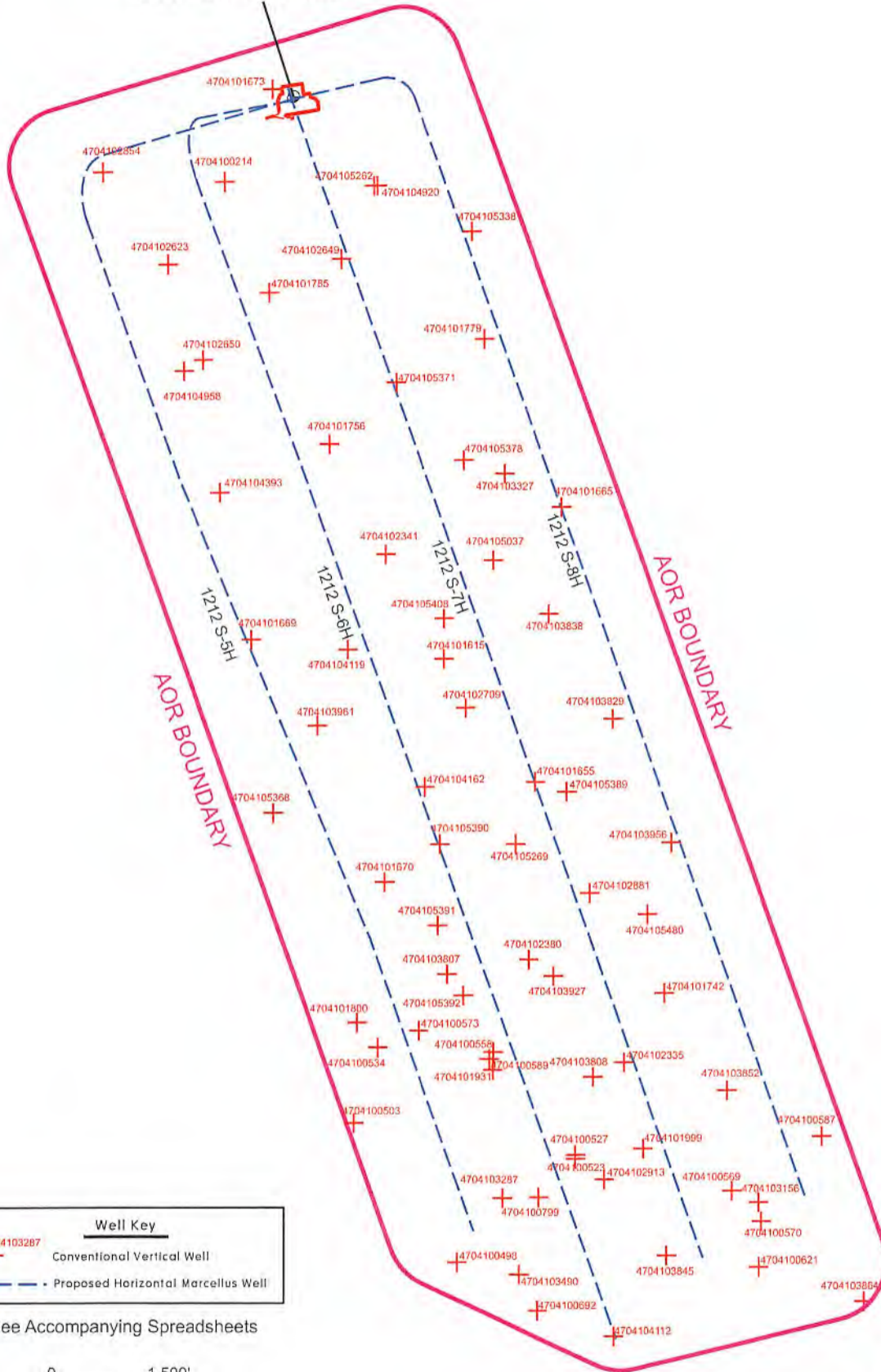
+/-15154' ft Lateral

TD @ +/-6913' TVD  
+/-22509' MD

X=centralizers

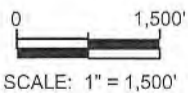


### FLESHER 1212 PAD



Well Key	
+	Conventional Vertical Well
- - - -	Proposed Horizontal Marcellus Well

See Accompanying Spreadsheets



DATA SOURCES  
WVGES Data Set - 2017; WVDEP Website

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Area of Review for:

### FLESHER 1212 SOUTH UNIT

Proposed 1212 S-5H    Proposed 1212 S-6H  
Proposed 1212 S-7H    Proposed 1212 S-8H

HG ENERGY, II APPALACHIA, LLC  
5260 DuPont Road, Parkersburg, WV 26101



Freeman's Creek District, Lewis County, W.Va.

12/10/2020

**EXISTING WELLS LOCATED WITHIN THE AREA OF REVIEW FOR:  
FLESHER 1212 SOUTH UNIT AND PROPOSED WELLS S-5H, S-6H, S-7H & S-8H**

CT	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4704100214	Lewis	Geo Norris	Dominion Energy Transmission, Inc.	Hampshire Grp	Storage	2275	ACTIVE	39.115382	-80.490758
2	4704100498	Lewis	L Bailey 1	Deran Resources, Inc.	Up Devonian	Gas	2211	ACTIVE	39.077335	-80.480659
3	4704100503	Lewis	J J Bailey 2	Geo Energy, LLC	Price Fm & equivs	Gas w/ Oil Show	1385	ACTIVE	39.082266	-80.485313
4	4704100523	Lewis	Hope McDonald et al 1	Hays & Company	Price Fm & equivs	Gas w/ Oil Show	1750	PLUGGED	39.080961	-80.475265
5	4704100527	Lewis	B B Butcher 1	Lippizan Petroleum, Inc.	Price Fm & equivs	Gas w/ Oil Show	1410	ACTIVE	39.081106	-80.475265
6	4704100534	Lewis	Georg Dean 2	Geo Energy, LLC	Price Fm & equivs	Gas	1381	ACTIVE	39.084922	-80.484197
7	4704100558	Lewis	Doyle Butcher et al 2	Lippizan Petroleum, Inc.	Price Fm & equivs	Gas	1364	ACTIVE	39.084632	-80.479545
8	4704100569	Lewis	W W Chapman 1	Clem Energy, LLC	Unkown	Gas	-	ABANDONED	39.079798	-80.468192
9	4704100570	Lewis	W W Chapman 1	Law, David W.	Price Fm & equivs	Gas	1363	ABANDONED	39.079511	-80.466333
10	4704100573	Lewis	Clete Butcher et al 1	Bower, Hall and Wetzel	Price Fm & equivs	Gas	1441	PLUGGED	39.085502	-80.482337
11	4704100587	Lewis	Clay Maxwell Jr 1	Cohen, Henry	Big Injun (Grnbr)	Gas w/ Oil Show	1368	PLUGGED	39.081686	-80.464101
12	4704100589	Lewis	Doyle Vutcher 3	Law, David W.	Conemaugh Group	Dry w/ Gas Show	435	PLUGGED	39.084342	-80.479173
13	4704100621	Lewis	W W Riggs 1	Tower Service Company	Price Fm & equivs	Gas	1410	PLUGGED	39.077105	-80.466986
14	4704100799	Lewis	Carl Harrison 1	Bagwell & Trader	Price Fm & equivs	Gas	1360	ABANDONED	39.079613	-80.476936
15	4704101615	Lewis	Sophia Butcher	Dominion Energy Transmission, Inc.	Benson	Gas	4210	ACTIVE	39.098539	-80.481047
16	4704101655	Lewis	Sophia Butcher	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	4120	ACTIVE	39.094203	-80.476943
17	4704101665	Lewis	Charles F Bailey	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4250	ACTIVE	39.103826	-80.475644
18	4704101669	Lewis	Charles I Bailey	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4110	ACTIVE	39.099278	-80.489786
19	4704101670	Lewis	J W Norris	Alliance Petroleum, Co., LLC	Benson	Gas	4425	ACTIVE	39.090722	-80.483827
20	4704101673	Lewis	Cecil I Dempsey	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4509	ACTIVE	39.118627	-80.488538
21	4704101742	Lewis	WV University Board of Gov	Alliance Petroleum, Co., LLC	Benson	Gas	4205	ACTIVE	39.086743	-80.471172
22	4704101756	Lewis	W E Carpenter	Dominion Energy Transmission, Inc.	Benson	Gas	4220	ACTIVE	39.106120	-80.486154
23	4704101779	Lewis	C F Bailey	Dominion Energy Transmission, Inc.	Benson	Gas	4446	ACTIVE	39.109755	-80.479062
24	4704101785	Lewis	C L Hitt	Dominion Energy Transmission, Inc.	Benson	Gas	4440	ACTIVE	39.111471	-80.488801
25	4704101800	Lewis	George W Dean Jr	Greylock Conventional, LLC	Benson	Gas	4305	ACTIVE	39.085792	-80.485128
26	4704101931	Lewis	Doyle Butcher 3	Lippizan Petroleum, Inc.	Benson	Gas	4163	ACTIVE	39.084052	-80.479917
27	4704101999	Lewis	Granville Butcher	Mountain, LLC	Fifth	Gas	4436	ACTIVE	39.081302	-80.472195
28	4704102335	Lewis	G Butcher	Alliance Petroleum, Co., LLC	Hampshire Grp	Gas	2575	ACTIVE	39.084342	-80.473033
29	4704102341	Lewis	Edna Brown	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4280	ACTIVE	39.102228	-80.483644
30	4704102380	Lewis	Burt Keister	Alliance Petroleum, Co., LLC	Hampshire Grp	Gas	2000	ACTIVE	39.087967	-80.477313
31	4704102623	Lewis	Geo Norris	Dominion Energy Transmission, Inc.	Unkown	Storage	-	ACTIVE	39.112510	-80.493384
32	4704102649	Lewis	George Norris	Dominion Energy Transmission, Inc.	Unkown	Storage	-	ACTIVE	39.112620	-80.485511
33	4704102650	Lewis	Ira L. Queen	Dominion Energy Transmission, Inc.	Unkown	Storage	-	ACTIVE	39.109140	-80.491838
34	4704102709	Lewis	Sophia Butcher	Consolidated Gas Supply Corp.	Unkown	not available	-	ABANDONED	39.096803	-80.480078

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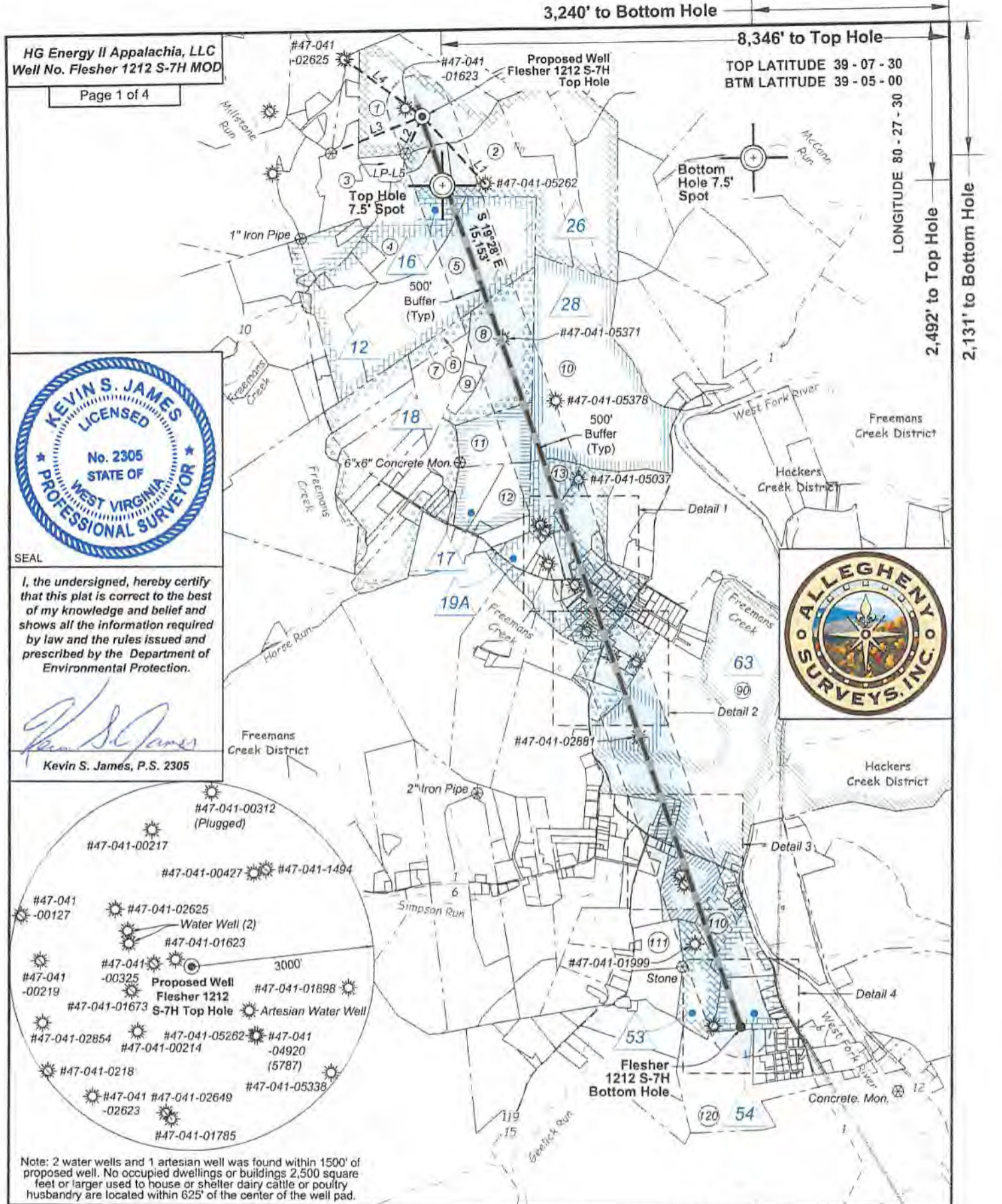
35	4704102854	Lewis	J S Norris	Dominion Energy Transmission, Inc.	not available	Storage	-	ACTIVE	39.115783	-80.496273
36	4704102881	Lewis	WVU Board of Governors	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	4250	ACTIVE	39.090287	-80.474523
37	4704102913	Lewis	John J Oldaker III	Jackson Fuel Corporation	Benson	Gas	4384	ACTIVE	39.080236	-80.473962
38	4704103156	Lewis	John F Wyant 1	Clem Energy, LLC	Elk	Gas	5757	ACTIVE	39.078351	-80.466333
39	4704103287	Lewis	Michael F Tierney Jr et al	Alliance Petroleum, Co., LLC	Brallier	Gas	5891	ACTIVE	39.079584	-80.478590
40	4704103327	Lewis	Rizpah B Carpenter	Dominion Energy Transmission, Inc.	Hampshire Grp	Gas	2380	PLUGGED	39.105009	-80.478216
41	4704103490	Lewis	Martha Queen 1-A	Prince Petroleum, Inc.	Benson	Gas	4287	ABANDONED	39.076900	-80.477868
42	4704103807	Lewis	Martha Carpenter	Alliance Petroleum, Co., LLC	Brallier	Gas	6050	ACTIVE	39.087478	-80.481020
43	4704103808	Lewis	Amy B Dent	Alliance Petroleum, Co., LLC	Brallier	Gas	5980	ACTIVE	39.084487	-80.474149
44	4704103829	Lewis	David Hamrick	Alliance Petroleum, Co., LLC	Brallier	Gas	5791	ACTIVE	39.096668	-80.473222
45	4704103838	Lewis	Charles F. Bailey	Dominion Energy Transmission, Inc.	Benson	Gas	4314	ACTIVE	39.100088	-80.476278
46	4704103845	Lewis	Alva Butcher	Alliance Petroleum, Co., LLC	Benson	Gas	4984	ACTIVE	39.077626	-80.470798
47	4704103852	Lewis	Patricia Hall	Alliance Petroleum, Co., LLC	Benson	Gas	4264	ACTIVE	39.083327	-80.468381
48	4704103864	Lewis	Vivian Thompson 1	Alliance Petroleum, Co., LLC	Benson	Gas	4225	ACTIVE	39.075885	-80.462240
49	4704103927	Lewis	Word of Life Christians	Diversified Resources, Inc.	Benson	Gas	4170	ACTIVE	39.087387	-80.476197
50	4704103956	Lewis	WV Board of Control	Devonian Gas Production, Inc.	Greenland Gap Fm	Gas w/ Oil Show	4230	ACTIVE	39.092028	-80.470801
51	4704103961	Lewis	John Norris	Enervest Operating, LLC	Benson	Gas	4280	ACTIVE	39.096233	-80.486807
52	4704104119	Lewis	Patricia Jo Beeson 1	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	4190	ACTIVE	39.098896	-80.485399
53	4704104162	Lewis	Michael L/Judy K Huntz	Berry Energy, Inc.	Greenland Gap Fm	Gas	4210	ACTIVE	39.094058	-80.481968
54	4704104393	Lewis	Richard D Carpenter	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	4312	ACTIVE	39.104455	-80.491136
55	4704104920	Lewis	Charles Bailey	Dominion Energy Transmission, Inc.	Misc Sands-BNSN/BRLR	Gas	4579	ACTIVE	39.115176	-80.483845
56	4704104958	Lewis	Richard W Dunham	Dominion Energy Transmission, Inc.	Misc Sands-BNSN/BRLR	Gas	4449	ACTIVE	39.108761	-80.492720
57	4704105037	Lewis	Kenneth L Hunt	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	3561	ACTIVE	39.101975	-80.478771
58	4704105262	Lewis	Charles Bailey	Dominion Energy Transmission, Inc.	Weir	Gas	1776	ACTIVE	39.115179	-80.483972
59	4704105269	Lewis	Edwin Lee Bowyer II	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	4160	ACTIVE	39.092028	-80.477873
60	4704105338	Lewis	Fred A Bailey	Dominion Energy Transmission, Inc.	Price Fm & equivs	Gas	1683	ACTIVE	39.113523	-80.479570
61	4704105368	Lewis	Edward Earl Garrett	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	4470	ACTIVE	39.093188	-80.488853
62	4704105371	Lewis	Scott A Carpenter	Dominion Energy Transmission, Inc.	Price Fm & equivs	Gas	1530	ACTIVE	39.108271	-80.483089
63	4704105378	Lewis	Charles F Bailey	Dominion Energy Transmission, Inc.	Price Fm & equivs	Gas	1777	ACTIVE	39.105497	-80.480063
64	4704105389	Lewis	Lee Matthew McWhorter	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	2244	ACTIVE	39.093854	-80.475522
65	4704105390	Lewis	Mary Lou Curry	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	2480	ACTIVE	39.092043	-80.481298
66	4704105391	Lewis	Mary Lou Curry	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	2531	ACTIVE	39.089187	-80.481436
67	4704105392	Lewis	Mary Lou Curry	Alliance Petroleum, Co., LLC	Greenland Gap Fm	Gas	2531	ACTIVE	39.086712	-80.480292
68	4704105408	Lewis	Deborah D Hunt	Dominion Energy Transmission, Inc.	Greenland Gap Fm	Gas	3386	ACTIVE	39.100004	-80.481411
69	4704105480	Lewis	WV University Board of Gov	Devonian Gas Production	Benson	Gas	4248	ACTIVE	39.089518	-80.471914

SOURCE: WVGES DATASET (2017) and WVDEP WEBSITE AND FIELD SURVEYS

YELLOW DENOTES WELL WITH TVD > 4,500'

GREEN DENOTES SURVEYED WELLS

JUN 14 2021



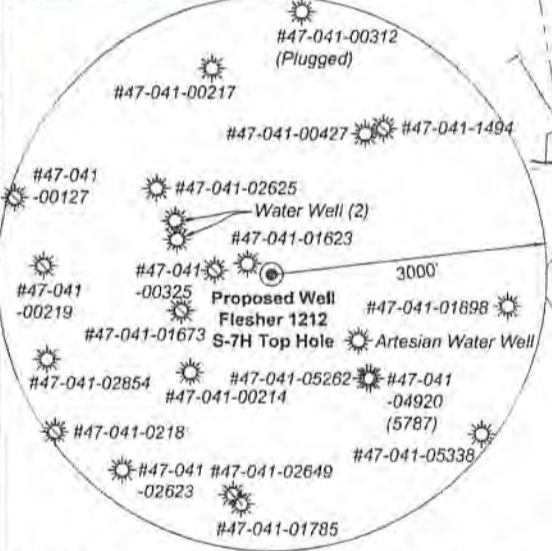
HG Energy II Appalachia, LLC  
Well No. Flesher 1212 S-7H MOD

Page 1 of 4



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 rules issued and prescribed by the Department of Environmental Protection.

*Kevin S. James*  
Kevin S. James, P.S. 2305



Note: 2 water wells and 1 artesian well was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 4 2021  
OPERATOR'S WELL NO. Flesher 1212 S-7H  
API WELL NO  
47 - 041 - 05716  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek  
SURFACE OWNER: H.G. Energy II Appalachia, LLC  
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,913' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC ADDRESS: 5260 Dupont Road Parkersburg, WV 26101  
DESIGNATED AGENT: Diane C. White ADDRESS: 5260 Dupont Road Parkersburg, WV 26101

RECEIVED  
07/02/2021  
6,913' TVD  
22,109 MD



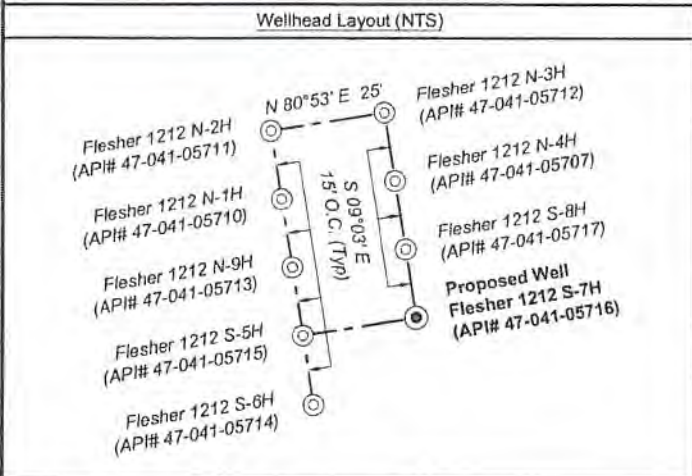
RECEIVED  
Office of Oil and Gas

JUN 10 2021

WV Department of  
Environmental Protection

ID	Lease
12	C.L. Hitt, et al
16	George Norris, et al
17	H.M. Stewart & C.J. Stewart
18	W.E. Carpenter, et al
19A	Eastern Gas Transmission & Storage, Inc.
19B	CNX Gas Co., LLC
20	Dominion Transmission, Inc.
22	Noble Energy, Inc.
26	W.D. Hitt, et al
28	Charles F. Bailey, et al
53	Granville A. Butcher, et al
54	John F. Wyant
63	Prudence M. O'Hara, et al
66	Philip L. Jones, et al
77	Debra K. Murray
81	Burton B. Butcher, et al
91	S. Clifford Dent

Tag	Bearing	Dist.	Description
L1	N 42°43' W	1,513.6'	#47-041-05262
L2	N 24°51' E	664.5'	1/2" Rebar
L3	N 68°43' E	1,615.6'	1" Iron pipe
L4	S 53°14' E	1,583.7'	#47-041-02625
L5	S 16°27' E	518.2'	Landing point



**Well Location References  
Not to Scale**

**Legend**

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

<p>Notes: Well No. Flesher 1212 S-7H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements. Top Hole coordinates Latitude: 39°07'05.36" Longitude: 80°29'15.92" Bottom Hole coordinates Latitude: 39°04'38.94" Longitude: 80°28'11.11" UTM Zone 17, NAD 1983 Top Hole Coordinates N: 4,330,023.845m E: 544,298.245m Bottom Hole Coordinates N: 4,325,519.124m E: 545,881.234m</p>	<p>Notes: Well No. Flesher 1212 S-7H UTM NAD 1983 (USFS) Top Hole Coordinates N: 14,206,086.55' E: 1,785,751.82' Landing Point Coordinates N: 14,205,589.56' E: 1,785,898.54' Bottom Hole Coordinates N: 14,191,307.31' E: 1,790,945.35'</p>
--	--

FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
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**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 4 2021  
OPERATOR'S WELL NO. Flesher 1212 S-7H  
API WELL NO  
47 - 041 - 05716  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek QUADRANGLE: Weston  
SURFACE OWNER: H.G. Energy II Appalachia, LLC COUNTY: Lewis  
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 70.00  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD 6,913' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,509' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

07/02/2021

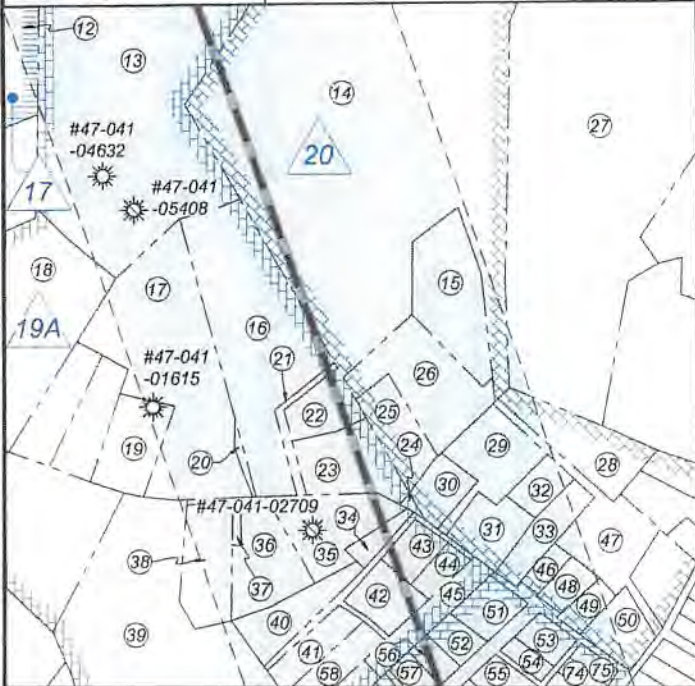
RECEIVED  
Office of Oil and Gas

JUN 10 2021

WV Department of  
Environmental Protection



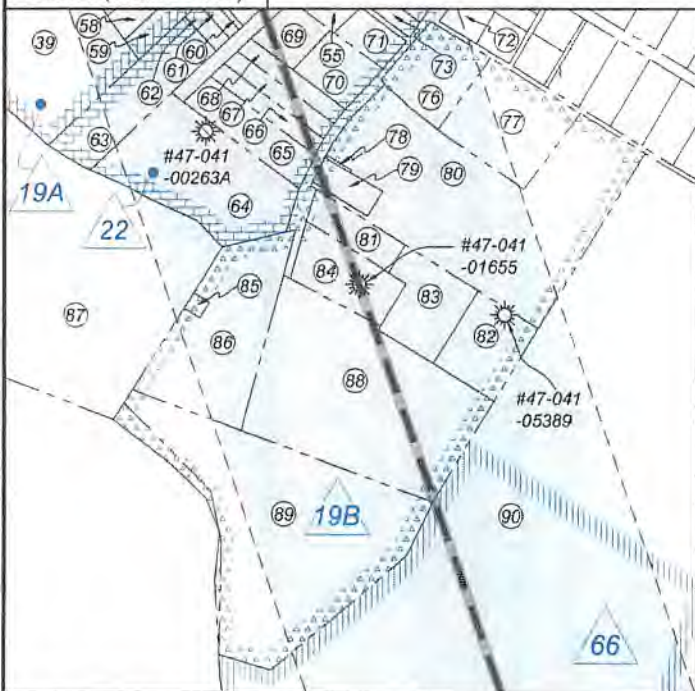
Detail 1 (Scale 1"=500')



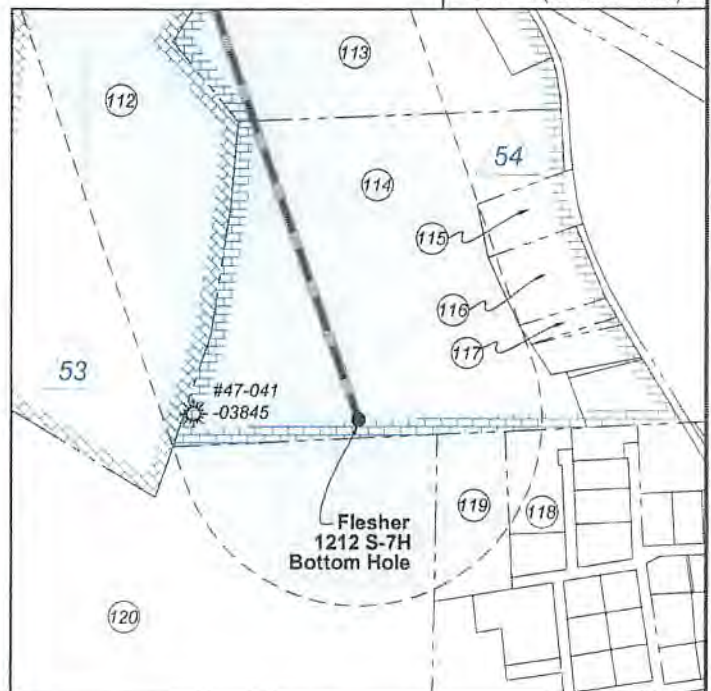
Detail 3 (Scale 1"=500')



Detail 2 (Scale 1"=500')



Detail 4 (Scale 1"=500')



FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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DISTRICT: Freemans Creek

QUADRANGLE: Weston

COUNTY: Lewis

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

ROYALTY OWNER: W.D. Hitt, et al, et al

LEASE NO: \_\_\_\_\_ ACREAGE: 210.00

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,509' MD 6,913' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

Parkersburg, WV 26101

07/02/2021



RECEIVED  
Office of Oil and Gas

JUN 10 2021

WV Department of  
Environmental Protection

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 47	HG Energy II Appalachia, LLC	753 / 453	70.00
2	6C / 45	Fred A. Bailey	W25 / 263	48.00
3	6C / 25.1	William Radtka & Helen Burton	655 / 681	5.85
4	6C / 43	Gary A. Sias	646 / 688	50.59
5	6C / 32.1	Fred A. Bailey	W25 / 263	92.89
6	6C / 42	Fred A. Bailey	W25 / 263	6.70
7	6C / 41	Larry R. & Gina F. Simon	702 / 865	19.11
8	6C / 40	Scott & Amy Carpenter	709 / 821	45.95
9	6C / 40.1	Jeffrey R. & Pamela J. Nicholson	713 / 40	5.50
10	7C / 16	Charles D. Bailey, et al	763 / 630	130.50
11	6C / 39	Phyllis L. & Dolores A. Hinterer	591 / 653	23.00
12	6D / 42	Michael & Kelly M. Goodwin	682 / 485	15.98
13	6D / 43	Deborah D. Hunt	W24 / 544	17.50
14	7D / 1.3	Deborah D. Hunt	W24 / 544	23.83
15	2 / 13.1	David & Lindsey Hunt	732 / 257	1.50
16	6D / 48	Bo D. Hendershot	722 / 864	3.65
17	6D / 47.1	Charlotte Radcliff	552 / 668	3.99
18	6D / 45	Blanch E. & Gregory K. Williams	619 / 660	6.24
19	6D / 50.2	Elbert R. & Lisa C. Rohrbough	496 / 301	1.12
20	6D / 47.3	Bo D. Hendershot	722 / 864	0.08
21	2 / 15.1	Bo D. Hendershot	722 / 864	0.17
22	2 / 15.2	Homer L. & Charlotte G. Taylor	420 / 508	0.57
23	2 / 15	Mary Jane McKay (Life)	638 / 77	0.62
24	2 / 15.3	Meranda Burnside	406 / 155	0.04
25	2 / 14.1	Deborah D. Hunt	W24 / 544	0.73
26	2 / 13	Deborah D. Hunt	582 / 575	0.92
27	7D / 3	Fred & Ginger Bailey	653 / 717	21.18
28	7D / 1.2	Gary A. & Tina M. Butcher	530 / 171	1.07
29	2 / 12	Amy & Samuel Sedosky	648 / 496	0.94
30	2 / 11	Lewis A. Adams, et al	579 / 513	0.50
31	2 / 10	David L. & Susanna H. Roth	612 / 1	0.65
32	2 / 9.2	Ruth & Edward Pratt (L&E)	567 / 528	0.36
33	2 / 9	Perry E. Blake	733 / 862	0.51
34	2 / 18	Timothy G. & Judith M. Metz	661 / 582	0.21
35	2 / 17	Allen S. & Rebecca A. Moore	564 / 119	1.59
36	2 / 16	Larry J. Bailey	718 / 100	1.16
37	2 / 16.1	Charles E. & Linda K. Starrett	608 / 255	0.06
38	6D / 49.1	Charles E. & Linda K. Starrett	571 / 538	1.01
39	6D / 49	Robert L. & Patricia J. Bush	684 / 27	7.11
40	2 / 19	Tina M. & John L. Burnside, III	560 / 230	0.75
41	2 / 20	Dennis E. & Sandra D. Strader	449 / 433	0.50
42	2 / 22	Timothy G. & Judith M. Metz	737 / 903	0.55
43	2 / 23	Timothy G. & Judith M. Metz	661 / 582	0.42
44	2 / 23.1	Selena R. Barton	724 / 548	0.27
45	2 / 24	Michael A. Butcher	533 / 248	0.65
46	2 / 7	Joel F. & R. Steven Jones	W17 / 262	0.24
47	7D / 1	Arabelle Butcher (Life)	F30 / 796	1.03
48	2 / 6	Robert Painter	601 / 352	0.25
49	2 / 5	Lisa D. Stapleton	714 / 775	0.24
50	2 / 4	Wilfred L. & Virginia S. Sholes	383 / 84	0.50
51	2 / 25	Rachael M. & John R. Freeman	637 / 797	0.44
52	2 / 26	Bruce A. & Deana L. Kefover	541 / 16	0.53
53	2 / 33	Mary Jane Pratt, et al	W20 / 525	0.28
54	2 / 32	Franklin F. Pratt, Trustee	W20 / 525	0.17
55	2 / 31.9	Marty A. & Lorie L. Cleavenger	725 / 875	0.32
56	2 / 27	Bruce A. & Deana L. Kefover	541 / 16	0.21
57	2 / 27.1	Thomas R. & Connie R. Stuckey	496 / 373	0.21
58	2 / 21	Mark P. & Lee A. Coplin	537 / 565	0.55
59	2 / 24.1	Nelson E. & Erma F. Toms	533 / 248	0.35
60	2 / 28	Thomas R. & Connie R. Stuckey	496 / 373	0.04

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
61	2 / 29	Elsie C. Sprouse	W26 / 411	0.10
62	2 / 30	Elsie C. Sprouse	W26 / 411	0.14
63	2 / 31.7	Nelson O. Toms	FID	2.70
64	2 / 31	Paul J. & Helen S. Derico	318 / 252	1.20
65	2 / 31.6	Paul J. & Helen S. Derico	330 / 163	0.84
66	2 / 31.5	Josh Marsh	746 / 717	0.39
67	2 / 31.4	Josh Marsh	746 / 717	0.37
68	2 / 31.3	Josh Marsh	746 / 717	0.36
69	2 / 31.2	Mark A. Metzgar	680 / 462	0.47
70	2 / 31.8	David B. & Kristina A. Smith	713 / 610	0.60
71	2 / 31.1	Zachary A. Byers	714 / 369	0.36
72	2 / 42	Sand. Jean Thompson	363 / 42	0.26
73	2 / 36	Zachary A. Byers	767 / 791	0.16
74	2 / 35	Gary J. & Mary J. Woofler	670 / 362	0.15
75	2 / 34	Gary J. & Mary J. Woofler	670 / 362	0.15
76	2 / 41	Pamela M. Casto Davis	WBF / 2004	0.89
77	2 / 40	Ronald L. & Nancy L. Asbury	703 / 157	1.50
78	2 / 38.1	Archie E. Latea, et al	F29 / 370	0.01
79	2 / 37	Archie E. Latea, et al	F29 / 370	0.30
80	2 / 38	Ronald L. & Nancy L. Asbury	603 / 4	5.90
81	7D / 4.1	Gary T. McWhorter	602 / 227	0.55
82	7D / 4.3	Danny E. & Angela M. McCloud	582 / 734	1.04
83	7D / 4.4	Danny E. & Angela M. McCloud	582 / 734	1.06
84	7D / 4.2	Chad L. Greenleaf	575 / 115	1.00
85	6D / 100.1	Weston Sanitary Board	730 / 621	0.06
86	6D / 100	Paul J. & Helen S. Derico	571 / 557	2.78
87	6D / 62	Edward E. Garrett	482 / 161	13.57
88	7D / 5	Stephen J. & Tamara B. Wilson	571 / 560	5.33
89	7D / 6	Edwin L. Bowyer II	480 / 630	5.08
90	7D / 32	WVU Board of Governors	584 / 524	221.65
91	6 / 21.2	Jerry & Sallie Myers	450 / 60	0.88
92	6 / 22.1	Jerry & Sallie Myers	323 / 364	0.26
93	6 / 22	Sallie Myers	W14 / 79	1.38
94	6 / 21.1	Whitney Ballard, et al	740 / 282	1.28
95	6 / 20	Whitney Ballard, et al	740 / 282	0.92
96	6 / 21	David K. & Brenda K. Singleton	683 / 76	0.90
97	6 / 16	Word of Life Christian Center	420 / 222	6.50
98	6 / 13	Chelsea E. & Penny D. Syrews	767 / 248	3.10
99	6 / 18	Carolyn M. Cosner	W28 / 479	0.12
100	6 / 19.1	Harvey R. & Paula J. Montgomery	319 / 93	0.57
101	6 / 19	Charles E. McCorkhill	698 / 283	0.21
102	6 / 23	Jill L. Floyd	452 / 345	0.17
103	6 / 24	Cody J. & Angel McCorkhill	746 / 211	0.29
104	6 / 25	Debra K. Murray	W31 / 92	0.34
105	6 / 26	Debra K. Murray	W31 / 92	0.17
106	7D / 22	Roger & Linda Arbogast	726 / 46	2.00
107	7D / 21	Roger & Linda Arbogast	698 / 547	11.47
108	7D / 35	Patricia A. Workman	W28 / 381	19.66
109	7D / 37	Ernest G. Carpenter, et al	571 / 364	1.03
110	7D / 40	Patricia A. Workman	W28 / 381	7.22
111	7E / 71	Serge Cormier	604 / 130	12.92
112	7E / 29	Martha C. Queen (Life)	553 / 416	26.80
113	7E / 30	Susan Butcher, et al	W20 / 204	11.00
114	7E / 31	Susan Butcher, et al	W20 / 204	7.97
115	7E / 31.5	Michael D. & Connie S. Chapman	398 / 117	0.93
116	7E / 31.4	Michael D. & Connie S. Chapman	362 / 169	1.16
117	7E / 31.3	William E. Heaster (Life)	665 / 411	0.33
118	7E / 34.9	Mark R. & Sharon D. Pellien	592 / 708	0.93
119	7E / 34.1	Matthew S. Kiser	672 / 606	2.94
120	7E / 28.4	Alicia K. Lowther, et al	W45 / 456	47.88

FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: June 4 2021  
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API WELL NO  
47 - 041 - 05716  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek

QUADRANGLE: Weston

DISTRICT: Freemans Creek

COUNTY: Lewis

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

ROYALTY OWNER: W.D. Hitt, et al, et al

LEASE NO: ACREAGE: 210.00

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,913' TVD 22,509' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101

07/02/2021

3,240' to Bottom Hole

8,346' to Top Hole

TOP LATITUDE 39 - 07 - 30  
BTM LATITUDE 39 - 05 - 00

LONGITUDE 80 - 27 - 30

2,492' to Top Hole

2,131' to Bottom Hole

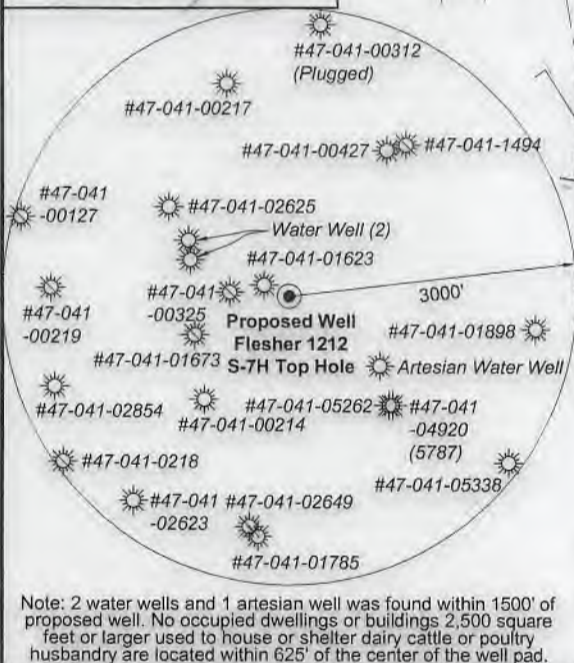
HG Energy II Appalachia, LLC  
Well No. Flesher 1212 S-7H MOD

Page 1 of 4



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 rules issued and prescribed by the Department of Environmental Protection.

*Kevin S. James*  
Kevin S. James, P.S. 2305



FILE NO: 156-36-12-U-F-19  
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SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
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**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 4 2021  
OPERATOR'S WELL NO. Flesher 1212 S-7H  
API WELL NO MID  
47 - 041 - 05716  
STATE COUNTY PERMIT

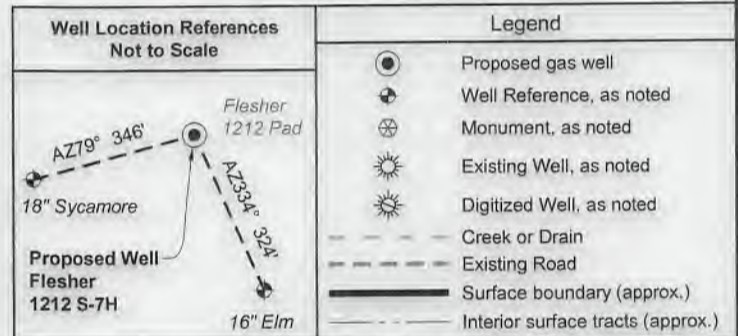
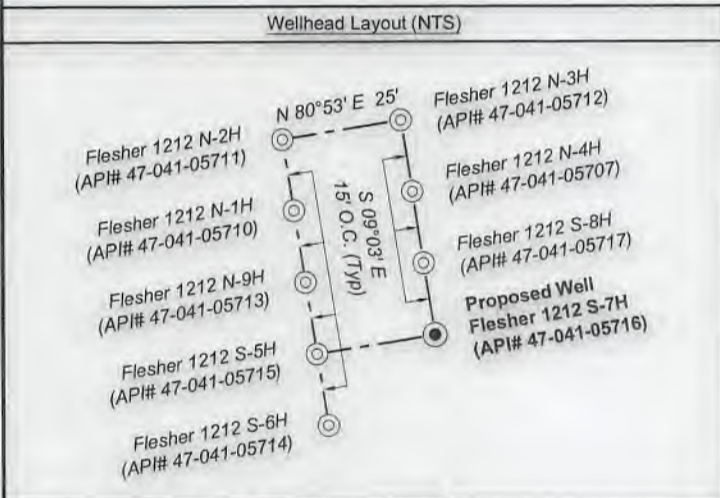
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LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Weston  
DISTRICT: Freemans Creek COUNTY: Lewis 07/02/2021  
SURFACE OWNER: H.G. Energy II Appalachia, LLC ACREAGE: 70.00  
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00  
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 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD 6,913' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,509' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101



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16	George Norris, et al
17	H.M. Stewart & C.J. Stewart
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19A	Eastern Gas Transmission & Storage, Inc.
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66	Philip L. Jones, et al
77	Debra K. Murray
81	Burton B. Butcher, et al
91	S. Clifford Dent

Tag	Bearing	Dist.	Description
L1	N 42°43' W	1,513.6'	#47-041-05262
L2	N 24°51' E	664.5'	1/2" Rebar
L3	N 68°43' E	1,615.6'	1" Iron pipe
L4	S 53°14' E	1,583.7'	#47-041-02625
L5	S 16°27' E	518.2'	Landing point



Well Location References Not to Scale	Legend																							
	Proposed gas well																							
	Well Reference, as noted																							
	Monument, as noted																							
	Existing Well, as noted																							
	Digitized Well, as noted																							
	Creek or Drain																							
	Existing Road																							
	Surface boundary (approx.)																							
	Interior surface tracts (approx.)																							
	<p>Notes: Well No. Flesher 1212 S-7H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.</p> <table border="0"> <tr> <td>Top Hole coordinates</td> <td>Bottom Hole coordinates</td> </tr> <tr> <td>Latitude: 39°07'05.36"</td> <td>Latitude: 39°04'38.94"</td> </tr> <tr> <td>Longitude: 80°29'15.92"</td> <td>Longitude: 80°28'11.11"</td> </tr> <tr> <td colspan="2">UTM Zone 17, NAD 1983</td> </tr> <tr> <td>Top Hole Coordinates</td> <td>Bottom Hole Coordinates</td> </tr> <tr> <td>N: 4,330,023.845m</td> <td>N: 4,325,519.124m</td> </tr> <tr> <td>E: 544,298.245m</td> <td>E: 545,881.234m</td> </tr> </table> <p>Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.</p>	Top Hole coordinates	Bottom Hole coordinates	Latitude: 39°07'05.36"	Latitude: 39°04'38.94"	Longitude: 80°29'15.92"	Longitude: 80°28'11.11"	UTM Zone 17, NAD 1983		Top Hole Coordinates	Bottom Hole Coordinates	N: 4,330,023.845m	N: 4,325,519.124m	E: 544,298.245m	E: 545,881.234m	<p>Notes: Well No. Flesher 1212 S-7H UTM NAD 1983 (USSF)</p> <table border="0"> <tr> <td>Top Hole Coordinates</td> </tr> <tr> <td>N: 14,206,086.55'</td> </tr> <tr> <td>E: 1,785,751.82'</td> </tr> <tr> <td>Landing Point Coordinates</td> </tr> <tr> <td>N: 14,205,589.56'</td> </tr> <tr> <td>E: 1,785,898.54'</td> </tr> <tr> <td>Bottom Hole Coordinates</td> </tr> <tr> <td>N: 14,191,307.31'</td> </tr> <tr> <td>E: 1,790,945.35'</td> </tr> </table>	Top Hole Coordinates	N: 14,206,086.55'	E: 1,785,751.82'	Landing Point Coordinates	N: 14,205,589.56'	E: 1,785,898.54'	Bottom Hole Coordinates	N: 14,191,307.31'
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FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 4 2021  
OPERATOR'S WELL NO. Flesher 1212 S-7H  
API WELL NO MOD  
47 - 041 - 05716  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek QUADRANGLE: Weston  
DISTRICT: Freemans Creek COUNTY: Lewis  
SURFACE OWNER: H.G. Energy II Appalachia, LLC ACREAGE: 70.00  
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD 6,913' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,509' MD

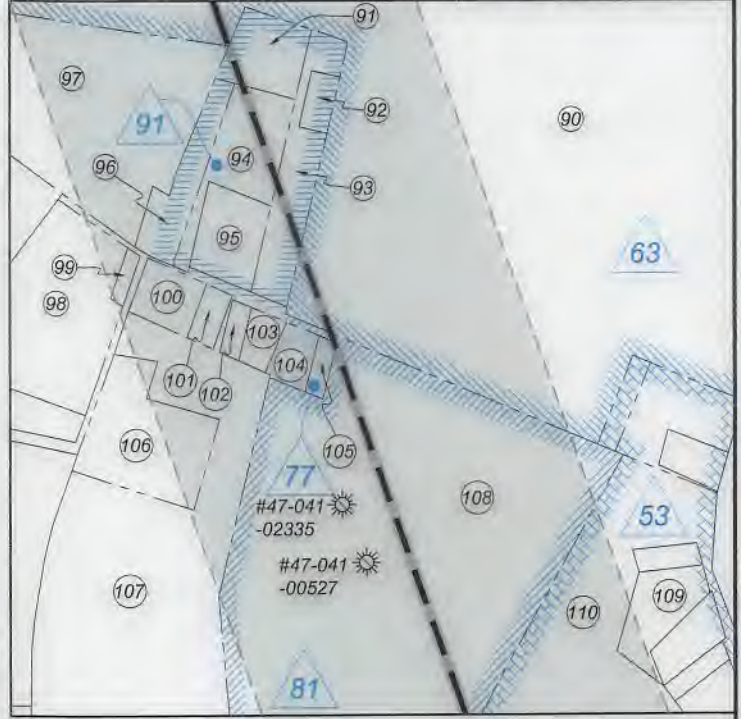
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101



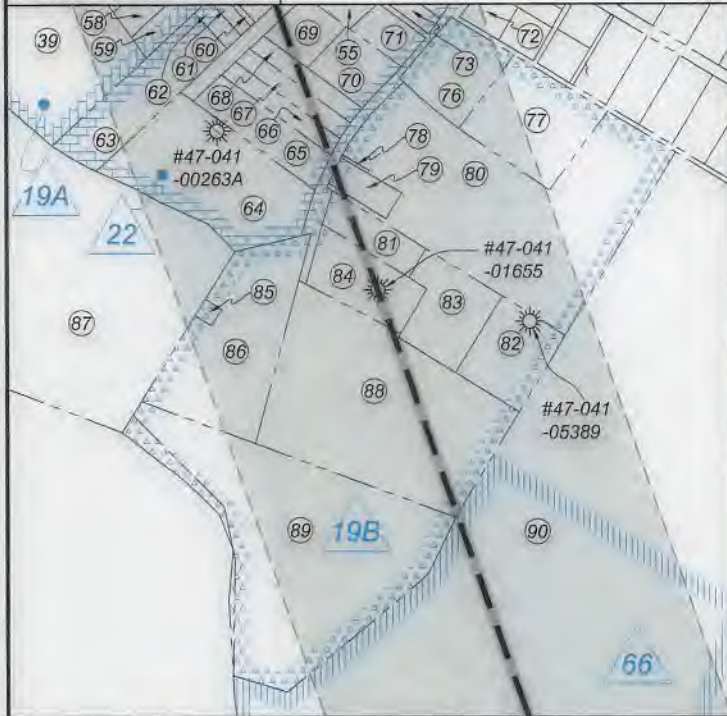
Detail 1 (Scale 1"=500')



Detail 3 (Scale 1"=500')



Detail 2 (Scale 1"=500')



Detail 4 (Scale 1"=500')



FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 4 2021  
OPERATOR'S WELL NO. Flesher 1212 S-7H  
API WELL NO. M10  
47 - 041 - 05716  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek

QUADRANGLE: Weston

DISTRICT: Freemans Creek

COUNTY: LEWIS 07/02/2021

SURFACE OWNER: H.G. Energy II Appalachia, LLC

ACREAGE: 70.00

ROYALTY OWNER: W.D. Hitt, et al, et al

LEASE NO: \_\_\_\_\_ ACREAGE: 210.00

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ BH MOD 6,913' TVD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,509' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101





Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 47	HG Energy II Appalachia, LLC	753 / 453	70.00
2	6C / 45	Fred A. Bailey	W25 / 263	48.00
3	6C / 25.1	William Radlka & Helen Burton	655 / 681	5.85
4	6C / 43	Gary A. Sias	646 / 688	50.59
5	6C / 32.1	Fred A. Bailey	W25 / 263	92.89
6	6C / 42	Fred A. Bailey	W25 / 263	6.70
7	6C / 41	Larry R. & Gina F. Simon	702 / 865	19.11
8	6C / 40	Scott & Amy Carpenter	709 / 821	45.95
9	6C / 40.1	Jeffrey R. & Pamela J. Nicholson	713 / 40	5.50
10	7C / 16	Charles D. Bailey, et al	763 / 630	130.50
11	6C / 39	Phyllis L. & Dolores A. Hinterer	591 / 653	23.00
12	6D / 42	Michael & Kelly M. Goodwin	682 / 485	15.98
13	6D / 43	Deborah D. Hunt	W24 / 544	17.50
14	7D / 1.3	Deborah D. Hunt	W24 / 544	23.83
15	2 / 13.1	David & Lindsey Hunt	732 / 257	1.50
16	6D / 48	Bo D. Hendershot	722 / 864	3.65
17	6D / 47.1	Charlotte Radcliff	552 / 668	3.99
18	6D / 45	Blanch E. & Gregory K. Williams	619 / 660	6.24
19	6D / 50.2	Elbert R. & Lisa C. Rohrbough	496 / 301	1.12
20	6D / 47.3	Bo D. Hendershot	722 / 864	0.08
21	2 / 15.1	Bo D. Hendershot	722 / 864	0.17
22	2 / 15.2	Homer L. & Charlotte G. Taylor	420 / 508	0.57
23	2 / 15	Mary Jane McKay (Life)	638 / 77	0.62
24	2 / 15.3	Meranda Burnside	406 / 155	0.04
25	2 / 14.1	Deborah D. Hunt	W24 / 544	0.73
26	2 / 13	Deborah D. Hunt	582 / 575	0.92
27	7D / 3	Fred & Ginger Bailey	653 / 717	21.18
28	7D / 1.2	Gary A. & Tina M. Butcher	530 / 171	1.07
29	2 / 12	Amy & Samuel Sedosky	646 / 496	0.94
30	2 / 11	Lewis A. Adams, et al	579 / 513	0.50
31	2 / 10	David L. & Susanna H. Roth	612 / 1	0.65
32	2 / 9.2	Ruth & Edward Pratt (L&E)	567 / 528	0.36
33	2 / 9	Perry E. Blake	733 / 862	0.51
34	2 / 18	Timothy G. & Judith M. Metz	661 / 582	0.21
35	2 / 17	Allen S. & Rebecca A. Moore	564 / 119	1.59
36	2 / 16	Larry J. Bailey	718 / 100	1.16
37	2 / 16.1	Charles E. & Linda K. Starrett	608 / 255	0.06
38	6D / 49.1	Charles E. & Linda K. Starrett	571 / 538	1.01
39	6D / 49	Robert L. & Patricia J. Bush	684 / 27	7.11
40	2 / 19	Tina M. & John L. Burnside, III	560 / 230	0.75
41	2 / 20	Dennis E. & Sandra D. Strader	449 / 433	0.50
42	2 / 22	Timothy G. & Judith M. Metz	737 / 903	0.55
43	2 / 23	Timothy G. & Judith M. Metz	661 / 582	0.42
44	2 / 23.1	Selena R. Barton	724 / 548	0.27
45	2 / 24	Michael A. Butcher	533 / 248	0.65
46	2 / 7	Joel F. & R. Steven Jones	W17 / 262	0.24
47	7D / 1	Arabelle Butcher (Life)	F30 / 796	1.03
48	2 / 6	Robert Painter	601 / 352	0.25
49	2 / 5	Lisa D. Stapleton	714 / 775	0.24
50	2 / 4	Wilfred L. & Virginia S. Sholes	383 / 84	0.50
51	2 / 25	Rachael M. & John R. Freeman	637 / 797	0.44
52	2 / 26	Bruce A. & Deana L. Kefover	541 / 16	0.53
53	2 / 33	Mary Jane Pratt, et al	W20 / 525	0.28
54	2 / 32	Franklin F. Pratt, Trustee	W20 / 525	0.17
55	2 / 31.9	Marty A. & Lorie L. Cleavenger	725 / 875	0.32
56	2 / 27	Bruce A. & Deana L. Kefover	541 / 16	0.21
57	2 / 27.1	Thomas R. & Connie R. Stuckey	496 / 373	0.21
58	2 / 21	Mark P. & Lee A. Coplin	537 / 565	0.55
59	2 / 24.1	Nelson E. & Erma F. Toms	533 / 248	0.35
60	2 / 28	Thomas R. & Connie R. Stuckey	496 / 373	0.04

Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
61	2 / 29	Elsie C. Sprouse	W26 / 411	0.10
62	2 / 30	Elsie C. Sprouse	W26 / 411	0.14
63	2 / 31.7	Nelson O. Toms	FID	2.70
64	2 / 31	Paul J. & Helen S. Derico	318 / 252	1.20
65	2 / 31.6	Paul J. & Helen S. Derico	330 / 163	0.84
66	2 / 31.5	Josh Marsh	746 / 717	0.39
67	2 / 31.4	Josh Marsh	746 / 717	0.37
68	2 / 31.3	Josh Marsh	746 / 717	0.36
69	2 / 31.2	Mark A. Metzgar	680 / 462	0.47
70	2 / 31.8	David B. & Kristina A. Smith	713 / 610	0.60
71	2 / 31.1	Zachary A. Byers	714 / 369	0.36
72	2 / 42	Sandi Jean Thompson	363 / 42	0.26
73	2 / 36	Zachary A. Byers	767 / 791	0.16
74	2 / 35	Gary J. & Mary J. Woofler	670 / 362	0.15
75	2 / 34	Gary J. & Mary J. Woofler	670 / 362	0.15
76	2 / 41	Pamela M. Casto Davis	WBF / 2004	0.89
77	2 / 40	Ronald L. & Nancy L. Asbury	703 / 157	1.50
78	2 / 38.1	Archie E. Latea, et al	F29 / 370	0.01
79	2 / 37	Archie E. Latea, et al	F29 / 370	0.30
80	2 / 38	Ronald L. & Nancy L. Asbury	603 / 4	5.90
81	7D / 4.1	Gary T. McWhorter	602 / 227	0.55
82	7D / 4.3	Danny E. & Angela M. McCloud	582 / 734	1.04
83	7D / 4.4	Danny E. & Angela M. McCloud	582 / 734	1.06
84	7D / 4.2	Chad L. Greenleaf	575 / 115	1.00
85	6D / 100.1	Weston Sanitary Board	730 / 621	0.06
86	6D / 100	Paul J. & Helen S. Derico	571 / 557	2.78
87	6D / 62	Edward E. Garrett	482 / 161	13.57
88	7D / 5	Stephen J. & Tamara B. Wilson	571 / 560	5.33
89	7D / 6	Edwin L. Bowyer II	480 / 630	5.08
90	7D / 32	WVU Board of Governors	584 / 524	221.65
91	6 / 21.2	Jerry & Sallie Myers	450 / 60	0.88
92	6 / 22.1	Jerry & Sallie Myers	323 / 364	0.26
93	6 / 22	Sallie Myers	W14 / 79	1.38
94	6 / 21.1	Whitney Ballard, et al	740 / 282	1.28
95	6 / 20	Whitney Ballard, et al	740 / 282	0.92
96	6 / 21	David K. & Brenda K. Singleton	683 / 76	0.90
97	6 / 16	Word of Life Christian Center	420 / 222	6.50
98	6 / 13	Chelsea E. & Penny D. Syrews	767 / 248	3.10
99	6 / 18	Carolyn M. Cosner	W28 / 479	0.12
100	6 / 19.1	Harvey R. & Paula J. Montgomery	319 / 93	0.57
101	6 / 19	Charles E. McCorkhill	698 / 263	0.21
102	6 / 23	Jill L. Floyd	452 / 345	0.17
103	6 / 24	Cody J. & Angel McCorkhill	746 / 211	0.29
104	6 / 25	Debra K. Murray	W31 / 92	0.34
105	6 / 26	Debra K. Murray	W31 / 92	0.17
106	7D / 22	Roger & Linda Arbogast	726 / 46	2.00
107	7D / 21	Roger & Linda Arbogast	698 / 547	11.47
108	7D / 35	Patricia A. Workman	W28 / 381	19.66
109	7D / 37	Ernest G. Carpenter, et al	571 / 364	1.03
110	7D / 40	Patricia A. Workman	W28 / 381	7.22
111	7E / 71	Serge Cormier	604 / 130	12.92
112	7E / 29	Martha C. Queen (Life)	553 / 416	26.80
113	7E / 30	Susan Butcher, et al	W20 / 204	11.00
114	7E / 31	Susan Butcher, et al	W20 / 204	7.97
115	7E / 31.5	Michael D. & Connie S. Chapman	398 / 117	0.93
116	7E / 31.4	Michael D. & Connie S. Chapman	362 / 169	1.16
117	7E / 31.3	William E. Heaster (Life)	665 / 411	0.33
118	7E / 34.9	Mark R. & Sharon D. Pellen	592 / 708	0.93
119	7E / 34.1	Matthew S. Kiser	672 / 606	2.94
120	7E / 28.4	Alicia K. Lowther, et al	W45 / 456	47.88

FILE NO: 156-36-12-U-F-19  
DRAWING NO: Flesher 1212 S-7H Well Plat  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
CORS, Bridgeport, WV

**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: June 4 2021  
OPERATOR'S WELL NO. Flesher 1212 S-7H  
API WELL NO. **140**  
47 - 041 - 05716  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1,332.2' WATERSHED: Middle West Fork Creek  
DISTRICT: Freemans Creek  
SURFACE OWNER: H.G. Energy II Appalachia, LLC  
ROYALTY OWNER: W.D. Hitt, et al, et al LEASE NO: ACREAGE: 210.00  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH MOD 6.913' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,509' MD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101 Parkersburg, WV 26101

**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
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\*\*See Attached Sheets\*\*

**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: HG Energy II Appalachia, LLC  
 By: Diane White *Diane White*  
 Its: Accountant

RECEIVED  
Office of Oil and Gas

JUN 10 2021

Page 1 of \_\_\_\_\_

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Office of Oil and Gas  
JUN 10 2021  
WV Department of Environmental Protection

TRACT #	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
26	FK053270	03-006C-0045-0000 03-006C-0046-0000 03-006C-0053-0000 03-006C-0054-0000 03-007C-0007-0000 p/o 03-006C-0043-0000 p/o 03-006C-0043-0001 p/o 03-006C-0047-0000	Q100675000	W. D. HITT AND ALDA HITT, HIS WIFE; J. C. HITT AND DORA HITT, HIS WIFE; L.A. MCCARTY AND F. R. MCCARTY, HER HUSBAND; GEORGE W. NEELY AND GRACE M. NEELY, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	524
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
16	FK053173	03-006C-0027-0001 03-006C-0027-0002 03-006C-0027-0003 03-006C-0027-0004 03-006C-0030-0000 p/o 03-006C-0043-0000 p/o 03-006C-0043-0001	Q100671000	GEORGE NORRIS AND LAURA B. NORRIS, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	124
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
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				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220				
12	FK053269	03-006C-0028-0000 03-006C-0029-0000 03-006C-0032-0000 03-006C-0032-0001 p/o 03-006C-0031-0000 p/o 03-006C-0043-0000	Q100338000	C. L. HITT, B. J. HITT, S. A. HITT, ELIZA A. HITT, AND LUCY M. HITT	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	523
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	

				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220				
18	FK064858	p/o 03-006C-0035-0000 03-006C-0036-0000 03-006C-0037-0000 03-006C-0038-0000 03-006C-0038-0001 03-006C-0040-0000 03-006C-0040-0001 03-006C-0041-0000 03-006C-0042-0000 03-006D-0024-0000 03-006D-0025-0000 03-006D-0025-0002 03-006D-0026-0000 03-006D-0026-0001 03-006D-0027-0001 03-006D-0028-0000 03-006D-0029-0000 03-006D-0029-0001 03-006D-0030-0000 03-006D-0030-0001 03-006D-0031-0000 03-006D-0032-0000 03-006D-0032-0001 03-006D-0033-0000 03-006D-0034-0000 03-006D-0034-0001	Q100600000	W. E. CARPENTER AND MONA E. CARPENTER, HIS WIFE; C. W. SHUTTS AND MARGARET SHUTTS, HIS WIFE, EACH IN THEIR OWN RIGHT; CREED L. SHUTTS AND MONA LEE SHUTTS, HIS WIFE, EACH IN THEIR OWN RIGHT; CREED L. SHUTTS AND MONA LEE SHUTTS, HIS WIFE; NINA G. ALLEN, WIDOW; VIRGINIA Y. G. MCMULLEN AND T. F. MCMULLEN, HER HUSBAND; EDWARD D. CARPENTER AND VICTORIA M. CARPENTER, HIS WIFE; ARTHUR D. CARPENTER AND GLORIA R. CARPENTER, HIS WIFE; AND STARK D. CARPENTER AND DAISY M. CARPENTER, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	224	248				
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89				
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127				
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1				
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139				
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220				
								H. M. STEWART AND C.J. STEWART, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	147
				17	FK053174	03-006D-0040-0000, 03-006D-0041-0000, 03-006D-0042-0000, 03-006C-0039-0000	Q101023000	SOUTH PENN OIL COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	237
								RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
								W. E. CARPENTER AND MONA CARPENTER, HIS WIFE; JESSE M. HOLT AND MAUDE HOLT, HIS WIFE	HOPE NATURAL GAS COMPANY	STORAGE GRANT	219	526
								HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
								CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
								CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS									
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672					154				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684					57				
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712					848				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717					1				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					139				
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					170				
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS									
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723					499				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734					558				
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736					220				
								CHARLES F. BAILEY AND MARY JANE BAILEY, HIS WIFE; AND DAYTON D. REXROAD AND ROXIE E. REXROAD, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	212	308
								HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
								CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					

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28	FK062268	03-007C-0016-0000	Q100938000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139	
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170	
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220	
19A	52968	03-006D-0043-0000 03-006D-0045-0000 03-006D-0046-0000 03-006D-0047-0001 03-006D-0047-0002 03-006D-0047-0003 03-006D-0048-0000 03-006D-0049-0000 03-006D-0049-0001 03-006D-0050-0000 03-006D-0050-0001 03-006D-0050-0002 03-006D-0051-0000 03-006D-0051-0001 03-006D-0052-0000 03-0002-0015-0000 03-0002-0015-0001 03-0002-0015-0002 03-0002-0016-0000 03-0002-0016-0001 03-0002-0017-0000 thru 03-0002-0023-0000 03-0002-0023-0001 03-0002-0024-0000 03-0002-0024-0001	52968	EASTERN GAS TRANSMISSION AND STORAGE, INC, F/K/A/ DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	766	935	RECEIVED Office of Oil and Gas JUN 10 2021 WV Department of Environmental Protection
19B	52968	03-007D-0004-0001 thru 03-007D-0004-0004 03-007D-0005-0000 03-007D-0006-0000 03-0002-0037-0000 03-0002-0037-0000 03-0002-0038-0000 03-0002-0038-0001 03-0002-0040-0000 03-0002-0041-0000 03-0002-0100-0000 03-0002-0100-0001 03-0002-0040-0000 03-0002-0041-0000		CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	766	362	

20	FK108128 FEE	03-007D-0001-0000 03-007D-0001-0002 03-007D-0001-0003 03-0002-0001-0000 03-0002-0001-0001 03-0002-0002-0000 03-0002-0002-0001 03-0002-0003-0000 to 03-0002-0007-0000 03-0002-0009-0000 03-0002-0009-0002 03-0002-0010-0000 03-0002-0011-0000 03-0002-0012-0000	FK108128	DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	740	746
22	UNLEASED	03-0002-0025-0000 03-0002-0026-0000 03-0002-0027-0000 03-0002-0027-0001 03-0002-0028-0000 to 03-0002-0031-0000 03-0002-0031-0001 to 03-0002-0031-0009 03-0002-0032-0000 to 03-0002-0036-0000	CNXDV011770	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	722	293
66	DAD38531001-1005	03-007D-0032-0000 04-007D-0005-0000	DAD38531001-1005	Philip L. Jones & Mary Sue Jones, his wife, Mintie C. Hale & William K. Hale, her husband, and Elizabeth A. McCormick & Peter McCormick, her husband (heirs of Virginia C. Mitchem)	James F. Scott, Scott Oil and Gas Company	NOT LESS THAN 1/8	384	433
				James F. Scott, Scott Oil and Gas Company	Convest 1980-II Energy Income Program	ASSIGNMENT	397	60
				Convest 1980-II Energy Income Program	Convest Production Company	ASSIGNMENT	439	639
				Convest Production Company	BNG, Inc.,		460	494
				BNG, Inc.,	Stonewall Gas Company		522	341
				Stonewall Gas Company	Dominion Appalachian Development, Inc.	MERGER/NAME CHANGE	WVSOS	
				Dominion Appalachian Development, Inc.	Dominion Appalachian Development, LLC	CERTIFICATE OF CONVERSION	10	38
				Dominion Appalachian Development, LLC	CNX Gas Company	AFFIDAVIT OF NAME CHANGE / MERGER	Inc. Book 9	471
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	MINERAL INTEREST DEED (50%)	659	662
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170				
63	CNX073150	03-007D-0032-0000 04-007D-0005-0000	CNX073150	PRUDENCE M. O'HARA AND C. A. O'HARA, HER HUSBAND; MATTHEW EDMISTON, JR. AND MILDRED EDMISTON, HIS WIFE; GEORGE B. EDMISTON, M. D. AND BEATRICE EDMISTON, HIS WIFE; VIRGINIA C. SANCHEZ AND FRANK SANCHEZ, HER HUSBAND; ELIZABETH E. BLAND AND JOSEPH H. BLAND, HER HUSBAND; JOHN M. EDMISTON AND EMILIE M. EDMISTON, HIS WIFE; ANDREW EDMISTON AND MARY ALICE EDMISTON, HIS WIFE; ANDREW EDMISTON AND BETH GAGE EDMISTON, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	289	230
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	628
				DOMINION TRANSMISSION, INC.	DOMINION EXPLORATION & PRODUCTION, INC.	ASSIGNMENT	622	701
				DOMINION EXPLORATION & PRODUCTION, INC.				

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				DOMINION EXPLORATION & PRODUCTION, INC.	DOMINION TRANSMISSION, INC.	ASSIGNMENT	651	137
				DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS, LLC, XVI	ASSIGNMENT	651	318
				CONSOL ENERGY HOLDINGS XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	WVSOS	
				CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	MINERAL INTEREST DEED (50%)	659	662
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
91	HGII01387, HGII01388, HGII01390, HGII01399, HGII01433	03-0006-0020-0000 p/o 03-0006-0021-0000 03-0006-0021-0001 03-0006-0021-0002 03-0006-0022-0000 03-0006-0022-0001	HGII01387, HGII01388, HGII01390, HGII01399, HGII01433	S CLIFFORD DENT	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	766	440
				DUANE D CARPENTER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	766	434
				CAROL JANE TENNEY	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	766	436
				VIRGIE D BUTCHER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	766	430
				DONALD BUTCHER	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	766	904
				Mia Petrey Burr	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	764	695
77	HGII01277	03-0006-0025-0000 03-0006-0026-0000	HGII01277	Debra K. Murray	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	763	898
81	CNX055463	03-007D-0035-000	CNX055463	BURTON B. BUTCHER AND TAWANA M. BUTCHER, HIS WIFE	DAVID LAW	NOT LESS THAN 1/8	261	285
				DAVID LAW AND MARY J. LAW, HIS WIFE	A. A. PURSLEY AND L. JEAN PURSLEY	ASSIGNMENT	302	587
				A. A. PURSLEY AND L. JEAN PURSLEY	MICHAEL L. THOMAS	ASSIGNMENT	477	479
				RIDGELAND ENERGY LLC AND MICHAEL L. THOMAS DBA THOMAS OIL OCOMPANY	ROBERT L. MATHEY, ARSENIO P. NAVARRO, AND LOWELL PRATHER BEE	ASSIGNMENT	564	329
				ROBERT L. MATHEY, ARSENIO P. NAVARRO, AND LOWELL PRATHER BEE	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	766	921
53	CNX053163	03-007D-0033-0000 03-007D-0034-0000 03-007D-0036-0000 03-007D-0037-0000 03-007D-0037-0001 03-007D-0038-0000 03-007D-0039-0000 03-007D-0040-0000 03-007D-0060-0000 03-007E-0029-0000	CNX053163	GRANVILLE A. BUTCHER AND S. E. BUTCHER, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	45
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127
				HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370
				RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	9	628
				DOMINION TRANSMISSION, INC.	CONSOL ENERGY HOLDINGS, LLC, XVI	ASSIGNMENT	651	318
				CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	WVSOS	
				CONSOL GAS COMPANY	CNX GAS COMPANY LLC	MERGER/NAME CHANGE	WVSOS	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	MINERAL INTEREST DEED (50%)	659	521
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
54	DAD65619001-002	03-007E-0030-0000 03-007E-0030-0001 03-007E-0031-0000 03-007E-0031-0001 03-007E-0031-0002 03-007E-0031-0003 03-007E-0031-0004 03-007E-0031-0005 03-007E-0033-0000 03-007E-0033-0001	DAD65619001-002	JOHN F. WYANT	SCOTT OIL COMPANY	NOT LESS THAN 1/8	467	435
				C. O. DENNISON AND CHARLES J. DENNISON, TRUSTEE	SCOTT OIL COMPANY	NOT LESS THAN 1/8	467	437
				SCOTT OIL COMPANY AND JAMES F. SCOTT	DOMINION ENERGY, INC	PARTIAL ASSIGNMENT (85%)	468	592
				DOMINION ENERGY, INC.	DOMINION RESERVES, INC.	ASSIGNMENT	472	281
				SCOTT OIL COMPANY	EMAX OIL COMPANY	ASSIGNMENT	486	162
				DOMINION ENERGY, INC.	CONSOL ENERGY HOLDINGS LLC XVI	MERGER/NAME CHANGE	9	471
				CONSOL ENERGY HOLDINGS LLC XVI	CONSOL GAS COMPANY	MERGER/NAME CHANGE	9	471
				CONSOL GAS COMPANY	CNX GAS COMPANY	MERGER/NAME CHANGE	9	471
				EMAX OIL COMPANY AND JAMES F. SCOTT	EMAX GAS COMPANY	DEED	671	376
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170