



west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, October 31, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

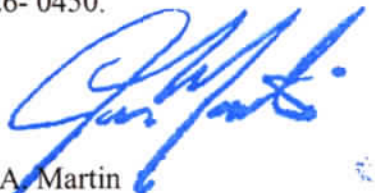
Re: Permit Modification Approval for SCHOEN 1205 S-8H
47-033-06002-00-00

Lateral Extension, Leases Added

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.



James A. Martin
Chief

Operator's Well Number: SCHOEN 1205 S-8H
Farm Name: GEORGE & ROSANNA SCHOEN
U.S. WELL NUMBER: 47-033-06002-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/31/2022

Promoting a healthy environment.

11/04/2022



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

CK# 032885
Amnt \$5,000.00

September 27, 2022

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Office of Oil & Gas

OCT 19 2022

WV Department of
Environmental Protection

WV DEP
Division of Oil & Gas
Attn: Cragin Blevins
601 57th Street
Charleston, West Virginia 25304

RE: Schoen 1205 S-8H Permit Revision Request – (47-033-06002)
Grant District, Harrison County
West Virginia

Dear Mr. Blevins -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic, WW6A-1 and a check for expedited service for the 1205 S-8H well work permit. We request the permit be modified as additional leases have been secured to extend 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.

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Sam Ward – WV DEP State Inspector

11/04/2022

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

1) Well Operator: HG Energy II Appalachia, L.P. 494519932 Harrison Grant Mount Clare 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Schoen 1205 S-8H Well Pad Name: Schoen 1205

3) Farm Name/Surface Owner: George Schoen Public Road Access: McWhorter Road / SR25

4) Elevation, current ground: 1410' Elevation, proposed post-construction: 1407'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal SDW
10/13/2022

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 7214' / 7315' and 101' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 7230'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 32,265'

11) Proposed Horizontal Leg Length: 24,579'

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12) Approximate Fresh Water Strata Depths: 135', 480', 640', 728'

13) Method to Determine Fresh Water Depths: Nearest offset well data

WV Department of
Environmental Protection

14) Approximate Saltwater Depths: 1730, 1780, 2010'

15) Approximate Coal Seam Depths: 501, 650', 730', 736' (Surface casing is being extended to cover the coal)

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: _____

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	1200'	1200' ✓	40% excess, CTS ✓
Intermediate 1	13 3/8"	NEW	J-55	68	2100'	2100' ✓	40% excess, CTS ✓
Intermediate 2	9 5/8"	NEW	J-55	40	2950'	2950' ✓	40% excess tail, CTS ✓
Production	5 1/2"	NEW	P-110	23	32265'	32265' ✓	20% excess tail, CTS ✓
Tubing							
Liners							

SDW / 10/13/2022

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"	24"	.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 = 1.19, tail yield 1.04
Tubing							
Liners							

PACKERS

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Kind:			
Sizes:			
Depths Set:			

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 7230 feet. Drill horizontal leg to estimated 24,579' lateral length, 32,265' 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): 29.485 acres

22) Area to be disturbed for well pad only, less access road (acres): 9.246 acres

23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing
Freshener - centralized every 3 joints to surface
Coal - Bow Spring on every joint, will also be running ACP for isolating storage zone
Intermediate - 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' long joint to the top of the curve

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

Conductor - N/A, Casing to be drilled in w/ Dual Rotary Rig
Fresh Water - 15.8 ppg PNE-1 + 3% bwoc CaCl₂ 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂ 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂ 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess CTS
Production - Lead: 14.5 ppg PNE-1 + 0.3% bwoc R3 + 1% bwoc ECI + 0.75 gal/ksl FP13L + 0.5% bwoc MPA17020% 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 - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement
Coal - Once casing is at setting depth, circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.
Intermediate - Once casing is at setting depth, circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.
Production - Once on bottom/TMD 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.

*Note: Attach additional sheets as needed.



1205 S-8H
 Marcellus Shale Horizontal
 Harrison County, WV

11/04/2022

Ground Elevation	1407.3'	1205 S-8H SHL	14218431.91N 1824095.14E
Azimuth	159.798°	1205 S-8H LP	14218241.61N 1824373.81E
Wellbore Diagram		1205 S-8H BHL	14195183.01N 1832858.8E

WELLBORE DIAGRAM	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
	24"	20" 94# J-55	Fresh Water	0	135, 480, 640, 728	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
			Coal	730	736					
			Surface / FW	0	1200					
	17.5"	13-3/8" 68# J-55 BTC	Little/Big Lime	1467 / 1510	1482 / 1556	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 *will also be running ACP for isolating storage zone*	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 / Gantz (Storage)	1565 / 1800	1690 / 1970					
			Intermediate 1	0	2100					
			Fifty / Thirty Foot	1993 / 2112	2083 / 2147					
	12.25"	9-5/8" 40# J-55 BTC	Gordon Stray / Gordon	2195 / 2250	2250 / 2310	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
			5th Sand	2440	2468					
Warren			2835	2860						
Intermediate 2			0	2950						
Speechley			3028	3162						
8.5" Vertical	5-1/2" 23# P-110 HP CDC HTG	Bradford	3342	3367	9.0ppg SOBMM	Lead: 14.5 ppg POZ/PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170	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	
		Benson	4420	4455						
		Speechley	3028	3162						
		Bradford	3342	3367						
		Benson	4420	4455						
		Speechley	3028	3162						
		Bradford	3342	3367						
		Benson	4420	4455						
		Speechley	3028	3162						
		Bradford	3342	3367						
Benson	4420	4455								
8.5" Curve	5-1/2" 23# P-110 HP CDC HTG	Marcellus	7214	7315	11.5ppg-12.5ppg SOBMM	Lead: 14.5 ppg POZ/PNE-1 + 0.3% 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 3 joints from the top of the curve.	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	
		Marcellus	7214	7315						
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		Marcellus	7214	7315						
		Marcellus	7214	7315						
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		Marcellus	7214	7315						
		Marcellus	7214	7315						
		Marcellus	7214	7315						
		Marcellus	7214	7315						
8.5" Lateral	5-1/2" 23# P-110 HP CDC HTG	Marcellus	7214	7315	11.5ppg-12.5ppg SOBMM	Lead: 14.5 ppg POZ/PNE-1 + 0.3% 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 3 joints from the top of the curve.	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	
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		Marcellus	7214	7315						
		Marcellus	7214	7315						

LP @ 7240' TVD / 7685' MD

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

+/-24579' ft Lateral

TD @ +/-7240' TVD +/-32264' MD

X=Centralizers

Notes: Well No. Schoen 1205 S-8H UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,431.91'
E: 1,824,095.14'
Landing Point Coordinates
N: 14,218,241.61'
E: 1,824,373.81'
Bottom Hole Coordinates
N: 14,195,183.01'
E: 1,832,858.80'

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

Notes: Well No. Schoen 1205 S-8H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'05.00" Longitude: 80°21'08.15" UTM Zone 17, NAD 1983
Bottom Hole coordinates Latitude: 39°05'14.49" Longitude: 80°19'19.08" UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,786.714m E: 555,985.311m
Bottom Hole Coordinates N: 4,326,700.435m E: 558,656.480m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



Tag	Bearing	Dist.
L1	S 70°59' E	1,526.3'
L2	S 56°31' E	1,300.3'
L3	N 87°54' W	1,224.8'
L4	N 71°53' W	992.8'
L5	S 55°40' E	337.5'

8,598' to Bottom Hole
5,367' to Top Hole

TOP LATITUDE 39 - 10 - 00
BTM LATITUDE 39 - 07 - 30



TOP HOLE LONGITUDE 80 - 20 - 00
BTM HOLE LONGITUDE 80 - 17 - 30
5,563' to Top Hole



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.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070

13,704' to Bottom Hole

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 S-8H 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: September 27 2022
OPERATOR'S WELL NO. Schoen 1205 S-8H
API WELL NO
47 - 033 - 06002
STATE COUNTY PERMIT

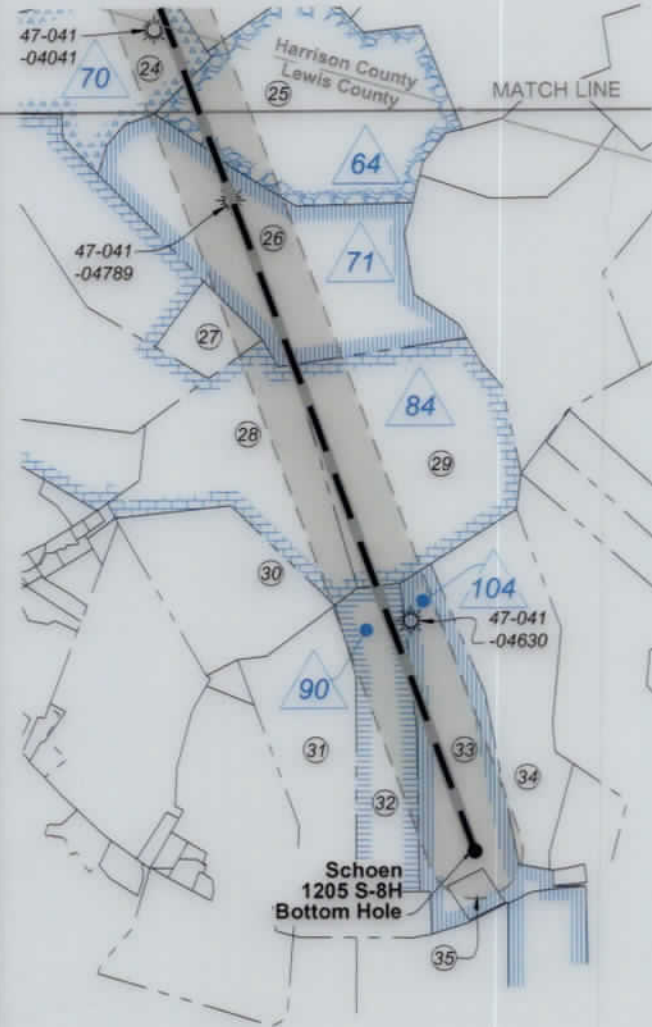
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: George & Rosanne Schoen
ROYALTY OWNER: Willia Post Robey, et al LEASE NO: ACREAGE: 78.20

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD 7,230' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 32,265' MD

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

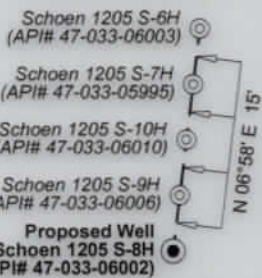
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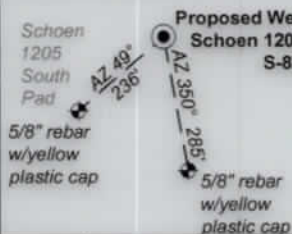
ID	Lease
1	A.B. Post, et al
4	John H. & Charlotte C. Gerlach
6	Susan V. Curry, et al
9	L.D. & Addie Swisher
11	P.T. Allman
12	French S. & Anna J. Young
14	M.M.F. & S.F. Randolph
19	Sidney & Virginia Haymond
20	Alcinda B. & M.E. Jackson
21	Patricia B. Smith, et al
64	Melvina E. Cookman
70	Mary Alkire
71	Allie B. & M.E. Jackson, et al
84	George & Ella Cummings
90	Claudia P. & Charles C. Blake
104	Walter J. Neely Trust

Harrison County				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 2	George & Rosanne Schoen	1148 / 1059	65.00
2	447 / 3	George & Rosanne Schoen	1253 / 302	10.06
3	446 / 29	John F. McCuskey II, et al	1121 / 25	75.00
4	447 / 20	Richard & Janet Stout	1175 / 320	51.00
5	447 / 4.13	Richard & Janet Sprout	1389 / 669	5.04
6	447 / 21	Richard & Rebecca Sprout	1600 / 849	6.09
7	447 / 22	Daniel & Stacie Cooley	1310 / 1072	16.59
8	447 / 33	Joseph C. Queen	1349 / 508	20.00
9	447 / 34	Sharon K. Patsy J. Salate	1360 / 84	43.00
10	447 / 35	Kenneth Maxwell & Patricia Myers	1311 / 423	11.67
11	447 / 43	Betty J. & Isaac H. Maxwell III	1543 / 141	123.95
12	467 / 1	Margaret L. Gyimesi	1306 / 775	78.79
13	467 / 2	Jackson L. Smith	1378 / 976	95.16
14	467 / 1.1	Margaret Gyimesi	1306 / 775	1.45
15	467 / 30	William L. Randolph, et ux	1518 / 19	73.73
16	467 / 33.1	Eugene W. Hanby	1428 / 1	4.76
17	467 / 33.2	Charles R. Sutton	1472 / 181	1.03
18	467 / 33	Charles R. & Franklin L. Sutton	1472 / 181	39.20
19	467 / 34	Joseph M. Richards	1439 / 1234	9.15
20	467 / 36	Joseph M. Richards	1439 / 1234	73.93
21	467 / 52	David L. & Lisle C. Hinkle	1282 / 389	175.50
22	487 / 4.1	Catherine A. Mauro	1244 / 135	95.45
23	487 / 5	Kimberly & Terri Glaze Wriston	W 83 / 97	129.62
Lewis County				
24	10C / 11	Thomas C. Kennedy Testamentary Trust	W34 / 428	92.50
25	10C / 16	Thomas C. Kennedy Testamentary Trust	W34 / 428	105.00
26	10C / 15	Thomas C. Kennedy Testamentary Trust	W34 / 428	107.00
27	10D / 38	George W. Dawson	542 / 376	9.00
28	10D / 10	George W. & Amy J. Dawson	505 / 549	80.00
29	10D / 23	George W. & Amy J. Dawson	505 / 549	96.00
30	10D / 11	Gordon W. & Judy R. Moore	597 / 485	49.00
31	10D / 19	Gary Taylor	369 / 453	60.20
32	10D / 21	George W. & Amy J. Dawson	494 / 115	48.40
33	10D / 20	Jeremy H. Linger, et al	W51 / 755	57.14
34	10D / 32.6	Jeremy H. Linger, et al	W51 / 755	62.33
35	10D / 20.2	Linda Linger	592 / 612	4.00

Wellhead Layout (NTS)



Well Location References
Not to Scale



FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 S-8H 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: September 27 2022
OPERATOR'S WELL NO. Schoen 1205 S-8H
API WELL NO
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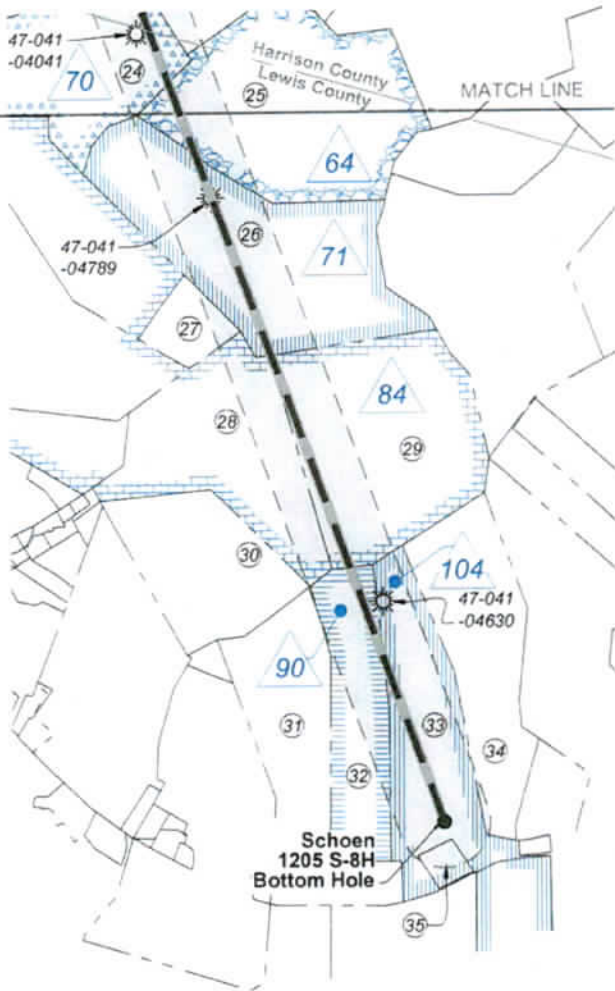
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: George & Rosanne Schoen
ROYALTY OWNER: Willa Post Robey, et al

Top: Mount Clare
QUADRANGLE: Btm; Berlin
COUNTY: Harrison / Lewis
ACREAGE: 65.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BH-MOD
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WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

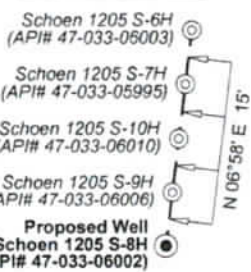
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101



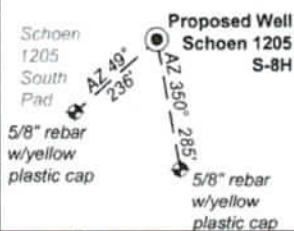
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No.	TM / Par	Owner	Bk / Pg	Ac.
1	447 / 2	George & Rosanne Schoen	1148 / 1059	65.00
2	447 / 3	George & Rosanne Schoen	1253 / 302	10.06
3	446 / 29	John F. McCuskey II, et al	1121 / 25	75.00
4	447 / 20	Richard & Janet Stout	1175 / 320	51.00
5	447 / 4.13	Richard & Janet Sprout	1389 / 669	5.04
6	447 / 21	Richard & Rebecca Sprout	1600 / 849	6.09
7	447 / 22	Daniel & Stacie Cooley	1310 / 1072	16.59
8	447 / 33	Joseph C. Queen	1349 / 508	20.00
9	447 / 34	Sharon K. Patsy J. Salate	1360 / 84	43.00
10	447 / 35	Kenneth Maxwell & Patricia Myers	1311 / 423	11.67
11	447 / 43	Betty J. & Isaac H. Maxwell III	1543 / 141	123.95
12	467 / 1	Margaret L. Gyimesi	1306 / 775	78.79
13	467 / 2	Jackson L. Smith	1378 / 976	95.16
14	467 / 1.1	Margaret Gyimesi	1306 / 775	1.45
15	467 / 30	William L. Randolph, et ux	1518 / 19	73.73
16	467 / 33.1	Eugene W. Hanby	1428 / 1	4.76
17	467 / 33.2	Charles R. Sutton	1472 / 181	1.03
18	467 / 33	Charles R. & Franklin L. Sutton	1472 / 181	39.20
19	467 / 34	Joseph M. Richards	1439 / 1234	9.15
20	467 / 36	Joseph M. Richards	1439 / 1234	73.93
21	467 / 52	David L. & Lisle C. Hinkle	1282 / 389	175.50
22	487 / 4.1	Catherine A. Mauro	1244 / 135	95.45
23	487 / 5	Kimberly & Terri Glaze Wriston	W 83 / 97	129.62
Lewis County				
24	10C / 11	Thomas C. Kennedy Testamentary Trust	W34 / 428	92.50
25	10C / 16	Thomas C. Kennedy Testamentary Trust	W34 / 428	105.00
26	10C / 15	Thomas C. Kennedy Testamentary Trust	W34 / 428	107.00
27	10D / 38	George W. Dawson	542 / 376	9.00
28	10D / 10	George W. & Amy J. Dawson	505 / 549	80.00
29	10D / 23	George W. & Amy J. Dawson	505 / 549	96.00
30	10D / 11	Gordon W. & Judy R. Moore	597 / 485	49.00
31	10D / 19	Gary Taylor	369 / 453	60.20
32	10D / 21	George W. & Amy J. Dawson	494 / 115	48.40
33	10D / 20	Jeremy H. Linger, et al	W51 / 755	57.14
34	10D / 32.6	Jeremy H. Linger, et al	W51 / 755	62.33
35	10D / 20.2	Linda Linger	592 / 612	4.00

Wellhead Layout (NTS)



Well Location References
Not to Scale



FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 S-8H 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: September 27 2022
OPERATOR'S WELL NO. Schoen 1205 S-8H
API WELL NO
47 - 033 - 06002
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: George & Rosanne Schoen
ROYALTY OWNER: Willa Post Robey, et al
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: 7,230' TVD 32,265' 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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COUNTY: Harrison / Lewis
ACREAGE: 65.00
11/04/2022

8,598' to Bottom Hole

5,367' to Top Hole

TOP HOLE LATITUDE 39 - 10 - 00
BTM LATITUDE 39 - 07 - 30

TOP HOLE LONGITUDE 80 - 20 - 00
BTM HOLE LONGITUDE 80 - 17 - 30

13,704' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Schoen 1205 S-8H MOD
Page 1 of 2

Notes: Well No. Schoen 1205 S-8H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,431.91'
E: 1,824,095.14'
Landing Point Coordinates
N: 14,218,241.61'
E: 1,824,373.81'
Bottom Hole Coordinates
N: 14,195,183.01'
E: 1,832,858.80'

Proposed Well Schoen 1205 S-8H Top Hole

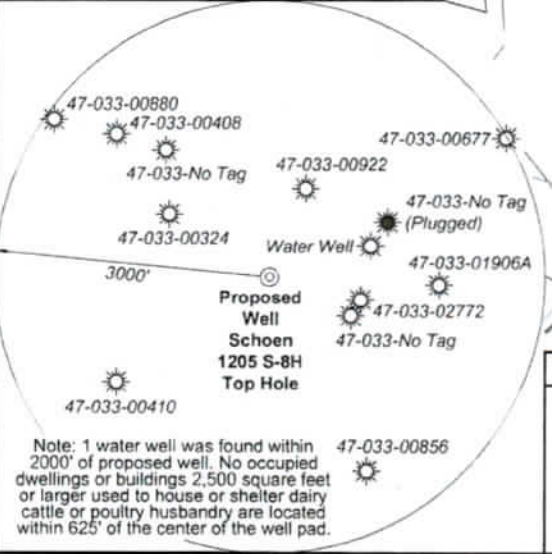


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070

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

Notes: Well No. Schoen 1205 S-8H
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'05.00" Longitude: 80°21'08.15" UTM Zone 17, NAD 1983
Bottom Hole coordinates Latitude: 39°05'14.49" Longitude: 80°19'19.08" UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,786.714m E: 555,985.311m
Bottom Hole Coordinates N: 4,326,700.435m E: 558,656.480m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



Tag	Bearing	Dist.
L1	S 70°59' E	1,526.3'
L2	S 56°31' E	1,300.3'
L3	N 87°54' W	1,224.8'
L4	N 71°53' W	992.8'
L5	S 55°40' E	337.5'

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 S-8H 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: September 27 2022
OPERATOR'S WELL NO. Schoen 1205 S-8H
API WELL NO
47 - 033 - 06002
COUNTY PERMIT

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

LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: George & Rosanne Schoen
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20

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: 7,230' TVD 32,265' 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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**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

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WV Department of
Environmental Protection

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

HG Energy II Appalachia, LLC - Schoen 1205 58H Lease Chain

11/04/2022

12055 8H	LEGACY LEASE NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
1	LC074399	12-0447-0001-0000 12-0447-0002-0000	Q100514000	A. B. POST, WIDOWER; P. S. ROBEY AND WILLA ROBEY, EACH IN HIS OWN RIGHT AS HUSBAND AND WIFE; ELLA LOUISE MAXWELL AND ISAAC H. MAXWELL, HER HUSBAND; FRANCES AND GEORGE B. VIEWEG, HER HUSBAND HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. NOBLE ENERGY, INC. DOMINION TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC. JOHN H. GERLACH AND CHARLOTTE C. GERLACH, HIS WIFE JACKSON L. SMITH, d/b/a WEST VIRGINIA ENERGIES BERRY ENERGY CONSULTANTS & MANAGERS INC I & J ENTERPRISES INC EASTERN AMERICAN ENERGY CORPORATION ENERGY CORPORATION OF AMERICA ANTERO RESOURCES APPALACHIAN CORPORATION SUSAN V. CURRY, SINGLE; AND IDA M. CURRY, SINGLE HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. DOMINION TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC. DOMINION ENERGY TRANSMISSION, INC.	HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC ANTERO RESOURCES APPALACHIAN CORPORATION HG ENERGY II APPALACHIA, LLC HOPE NATURAL GAS COMPANY CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION CNG TRANSMISSION CORPORATION DOMINION TRANSMISSION, INC. CNX GAS COMPANY LLC NOBLE ENERGY, INC. CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. NOBLE ENERGY, INC. HG ENERGY II APPALACHIA, LLC DOMINION ENERGY TRANSMISSION, INC. HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE MEMORANDUM FARMOUT AGREEMENT FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT LIMITED PARTIAL ASSIGNMENT (50%) PARTIAL ASSIGNMENT (32%) ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT ASSIGNMENT (68%) ASSIGNMENT (68%) NOT LESS THAN 1/8 ASSIGNMENT ASSIGNMENT CONFIRMATORY DEED CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE ASSIGNMENT ASSIGNMENT NOT LESS THAN 1/8 CONFIRMATORY DEED CONFIRMATORY DEED ASSIGNMENT MERGER/NAME CHANGE MERGER/NAME CHANGE MEMORANDUM FARMOUT AGREEMENT ASSIGNMENT ASSIGNMENT ASSIGNMENT MERGER/NAME CHANGE SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	900 903 1136 51 58 1522 1524 1543 1576 1584 1600 1601 1621 1637 1108 1140 1110 1200 59 1495 1671 193 903 1136 51 58 1522 1543 1576 1584 1600 1601 1621	269 179 250 795 362 33 491 1235 125 942 692 581 1295 1081 569 870 890 1110 879 314 74 265 179 250 795 362 33 1235 125 942 692 581 1295
4	ANTERO 5	12-0447-0003-0000 13-0447-0003-0002 13-0447-0003-0003 12-0447-0003-0004 12-0447-0003-0005	ANTERO 5	ANTERO 5	ANTERO 5	ANTERO 5	ANTERO 5	ANTERO 5
6	LC098171 FEE, LC020404	12-0446-0029-0000 12-0447-0020-0000 12-0447-0022-0000 12-0447-0032-0000 12-0447-0033-0000 12-0447-0034-0000 12-0447-0035-0000	Q100631000 LC098171 FEE	Q100631000 LC098171 FEE	Q100631000 LC098171 FEE	Q100631000 LC098171 FEE	Q100631000 LC098171 FEE	Q100631000 LC098171 FEE

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14	LC005043	12-0467-0030-0000 12-0467-0030-0001 p/o 12-0467-0032-0003 12-0467-033-0000 12-0467-0033-0001 12-0467-0034-0000 12-0467-0035-0000 12-0467-0036-0000 12-0467-0036-0001 p/o 12-467-0032-0000	Q100542000
19	LC008514	12-0467-0052-0000	Q100306000
20	LC051844	12-0487-0004-0000 12-0487-0004-0001 12-0487-0004-0002	Q100873000

	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	1637	1081
	M.M.F. RANDOLPH AND S. F. RANDOLPH, HUSBAND AND WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	152	262
	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
	CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
	DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
	DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	MEMORANDUM FARMOUT AGREEMENT	1522	33
	CNX GAS COMPANY LLC	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
	DOMINION TRANSMISSION, INC.	NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
	CNX GAS COMPANY LLC	DOMINION ENERGY TRANSMISSION, INC.	ASSIGNMENT	1584	942
	DOMINION TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	MERGER/NAME CHANGE	1600	692
	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1601	581
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1637	1081
	DOMINION ENERGY TRANSMISSION, INC.	HOPE NATURAL GAS COMPANY	ASSIGNMENT (68%)	121	154
	SIDNEY HAYMOND AND VIRGINIA HAYMOND, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	121	154
	SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402
	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
	CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	1600	692
	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1601	581
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1637	1081
	ALCINDA B. JACKSON AND M. E. JACKSON, HER HUSBAND	HOPE NATURAL GAS COMPANY	ASSIGNMENT (68%)	497	4
	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	497	4
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONFIRMATORY DEED	903	179
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
	CNG TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	51	795
	DOMINION TRANSMISSION, INC.	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	1522	33
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	1576	125
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	1584	942
	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	1600	692
	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1601	581
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	1621	1295
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	1637	1081
	PATRICIA B. SMITH, WIDOW, AND VIRGINIA LAURA SMITH, SINGLE	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	996	672

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OCT 19 2022
WV Department of Environmental Protection

11/04/2022

**EXISTING WELLS LOCATED WITHIN THE AREA OF REVIEW FOR:
SCHOEN 1205 SOUTH UNIT AND PROPOSED WELLS S-6H, S-7H, S-8H, S-9H & S-10H**

CT	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4703300095	Harrison	A B Jackson 1	Eastern Gas Transmission & Storage, Inc.	Fifth	Storage	2219	ACTIVE	39.113442	-80.340584
2	4703300118	Harrison	O F Allman 1	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	1679	ACTIVE	39.131942	-80.346144
3	4703300324	Harrison	John H Hardway 1	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	1644	ACTIVE	39.153472	-80.355885
4	4703300333	Harrison	James M Waggoner	UNKNOW	Hampshire Grp	Gas	2165	PLUGGED	39.146495	-80.342517
5	4703300338	Harrison	F S Young	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	1700	ACTIVE	39.135769	-80.343869
6	4703300342	Harrison	Asa Boyce	UNKNOW	Fifth	Gas	2269	PLUGGED	39.129986	-80.337801
7	4703300348	Harrison	Sarah F Vincent	UNKNOW	Hampshire Grp	Gas	2054	PLUGGED	39.135437	-80.331733
8	4703300350	Harrison	Viola Mount	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4370	PLUGGED	39.113273	-80.321297
9	4703300353	Harrison	G M Curry et al	Eastern Gas Transmission & Storage, Inc.	Gordon (undiff)	Storage	2047	ACTIVE	39.136407	-80.354852
10	4703300397	Harrison	Marcella R Bond	Hope Natural Gas Company	Up Devonian	Gas	1587	PLUGGED	39.152681	-80.357369
11	4703300398	Harrison	J N Rector	UNKNOW	Thirty-foot	Storage	2002	PLUGGED	39.149633	-80.359418
12	4703300410	Harrison	E A Waggoner	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	1964	ACTIVE	39.148438	-80.357974
13	4703300411	Harrison	W N Dawson CW513	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	1920	ACTIVE	39.122627	-80.327748
14	4703300523	Harrison	Lewis C Swisher	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	1723	ACTIVE	39.143557	-80.335826
15	4703300536	Harrison	M M F Randolph	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4410	ACTIVE	39.129739	-80.344514
16	4703300546	Harrison	M M F Randolph	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4260	ACTIVE	39.128982	-80.331615
17	4703300550	Harrison	Lloyd D Swisher	Eastern Gas Transmission & Storage, Inc.	Benson	Dry w/ Gas Show	4320	PLUGGED	39.138747	-80.348299
18	4703300575	Harrison	Sidney Haymond	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4350	ACTIVE	39.122265	-80.336369
19	4703300577	Harrison	Sidney Cookman	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4356	ACTIVE	39.122467	-80.345146
20	4703300599	Harrison	Amanda E Smith	Eastern Gas Transmission & Storage, Inc.	Bayard	Gas	2512	ACTIVE	39.115515	-80.334818
21	4703300613	Harrison	Lewis C Swisher	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4457	ACTIVE	39.137811	-80.336839
22	4703300649	Harrison	G W Swisher	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Storage	2347	ACTIVE	39.142725	-80.340651
23	4703300656	Harrison	F S Young CW520	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Storage	1894	PLUGGED	39.135593	-80.333125
24	4703300659	Harrison	S V Curry CW433	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	1990	ACTIVE	39.149343	-80.352710
25	4703300662	Harrison	L C Swisher CW527	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1759	ACTIVE	39.139321	-80.335262
26	4703300667	Harrison	G W Swisher CW525	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Storage	1687	PLUGGED	39.137325	-80.333373
27	4703300677	Harrison	D L Nutter	Alliance Petroleum Co. LLC	Thirty-foot	Gas	1850	ABANDONED	39.155655	-80.342933
28	4703300721	Harrison	Harris Hrs CW521	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1948	PLUGGED	39.135023	-80.333850
29	4703300725	Harrison	W E Ware	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1985	ACTIVE	39.142666	-80.360350
30	4703300729	Harrison	F Wiant CW522	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1864	PLUGGED	39.137099	-80.333220
31	4703300764	Harrison	M S Davis CW533	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	2028	PLUGGED	39.153552	-80.339108
32	4703300792	Harrison	L Snyder CW518	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1824	PLUGGED	39.133088	-80.330236
33	4703300803	Harrison	O Fallman CW430	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	2125	PLUGGED	39.147150	-80.340268
34	4703300845	Harrison	S Haymond CW514	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	2175	ACTIVE	39.124501	-80.339721

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35	4703300849	Harrison	M M F Randolph CW573	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	2000	ACTIVE	39.128236	-80.330228
36	4703300855	Harrison	Susan V Curry	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	1877	ACTIVE	39.142614	-80.346345
37	4703300856	Harrison	Susan V Curry CW472	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	1950	ACTIVE	39.142614	-80.348358
38	4703300860	Harrison	Burgett Swisher CW470	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1925	ACTIVE	39.129447	-80.350236
39	4703300882	Harrison	Patricia B Smith	Eastern Gas Transmission & Storage, Inc.	Fifty-foot	Storage	1965	ACTIVE	39.116823	-80.334272
40	4703300922	Harrison	A B Vost	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4455	ACTIVE	39.154204	-80.350633
41	4703300940	Harrison	Susan Curry	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4256	ACTIVE	39.142820	-80.345334
42	4703300988	Harrison	Levi B Davis CW431	Eastern Gas Transmission & Storage, Inc.	Fifth	Storage	2137	ACTIVE	39.147749	-80.340351
43	4703300998	Harrison	S G Kennedy CW531	Eastern Gas Transmission & Storage, Inc.	Thirty-foot	Storage	1910	ACTIVE	39.146770	-80.336744
44	4703302262	Harrison	Lloyd D. Swisher	Eastern Gas Transmission & Storage, Inc.	UNKNOW	Storage	-	ACTIVE	39.137999	-80.349742
45	4703302431	Harrison	J & F Allman	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4664	ACTIVE	39.134863	-80.346773
46	4703302772	Harrison	J H & C Gerlach	Greylock Conventional, LLC	Benson	Gas	4427	ACTIVE	39.150855	-80.348565
47	4703304387	Harrison	Thomas C Kennedy	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4577	ACTIVE	39.110737	-80.327029
48	4703304457	Harrison	Wayne R Lewis	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4420	ACTIVE	39.112332	-80.322219
49	4703304576	Harrison	Patricia B/Virginia L Smith	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4632	ACTIVE	39.115522	-80.327403
50	4703304635	Harrison	Charles R/F Sutton	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4660	ACTIVE	39.1265141	-80.3507881
51	4703304642	Harrison	Myrtle B Arobogast	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4453	ACTIVE	39.115232	-80.342637
52	4703304661	Harrison	Gloria M Coward	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4350	ACTIVE	39.118568	-80.346361
53	4703304812	Harrison	Catherine Mauro	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4302	ACTIVE	39.112912	-80.338169
54	4703304891	Harrison	Joseph C Queen	Eastern Gas Transmission & Storage, Inc.	not available	not available	-	PLUGGED	39.143411	-80.354188
55	4703331903	Harrison	M M F Randolph	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Storage	2164	ACTIVE	39.128236	-80.341573
56	4703331904	Harrison	B Swisher CW420	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4625	PLUGGED	39.132479	-80.354236
57	4703331905	Harrison	M F Randolph CW422	Eastern Gas Transmission & Storage, Inc.	UNKNOW	Storage	2182	UNKNOW	39.130586	-80.340370
58	4703331906	Harrison	F S Young	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	1910	ACTIVE	39.151283	-80.345552
59	4703331907	Harrison	S Haymond	Consolidated Gas Supply Corp.	Greenland Gap Fm	Storage	2200	PLUGGED	39.120487	-80.338192
60	4703331909	Harrison	S Cookman	Consolidated Gas Supply Corp.	not available	not available	-	PLUGGED	39.121175	-80.345234
61	4703331913	Harrison	M M F Randolph	Eastern Gas Transmission & Storage, Inc.	UNKNOW	not available	2345	PLUGGED	39.129301	-80.337525
62	4703373940	Harrison	Lloyd D Swisher	UNKNOW	UNKNOW	not available	2036	UNKNOW	39.138091	-80.354883
63	4704102879	Lewis	A S Holbert	Eastern Gas Transmission & Storage, Inc.	UNKNOW	Storage	2326	ACTIVE	39.113587	-80.345250
64	4704104041	Lewis	Thomas C Kennedy	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4465	ACTIVE	39.111027	-80.333333
65	4704104647	Lewis	Thomas C Kennedy	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4649	ACTIVE	39.106966	-80.324793
66	4704104789	Lewis	Thomas C Kennedy	Eastern Gas Transmission & Storage, Inc.	Misc Sands-BNSN/BRLR	Gas	4452	ACTIVE	39.106241	-80.330563
67	4704130804	Lewis	H J Melton	Consolidated Gas Supply Corp.	Hampshire Grp	not available	2326	PLUGGED	39.112522	-80.345615
68	UNKNOW 1	Harrison	J.L. Lewis ??	UNKNOW	UNKNOW	not available	-	PLUGGED	39.153186	-80.347510
69	UNKNOW 2	Harrison	Sydney Cookman ??	UNKNOW	UNKNOW	not available	-	ABANDONED	39.125542	-80.346132
70	4704101928	Lewis	Stella Cummings	Eastern Gas Transmission & Storage, Inc.	Benson	Gas	4463	PLUGGED	39.097336	-80.312407

WELLS ADDED 9/16/2022

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Oil & Gas
Development
Dated 9/16/2022

9/16/2022

71	4704103065	Lewis	George Cummings	UNKNOWN	UNKNOWN	not available	-	ABANDONED	39.09297	-80.333173
72	4704103999	Lewis	Eleanor Tenney et al	Petroleum Development Corp.	UNKNOWN	not available	-	PLUGGED	39.09291	-80.318274
73	4704104331	Lewis	Hrhold Linger	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	2667	ACTIVE	39.09290	-80.319884
74	4704104334	Lewis	Samuel Morrison et al	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	2541	ACTIVE	39.08920	-80.330060
75	4704104355	Lewis	Gary Taylor	Diversified Production LLC	Greenland Gap Fm	Gas	5160	ACTIVE	39.086092	-80.324192
76	4704104580	Lewis	Timothy D Waugh	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4431	ACTIVE	39.098009	-80.338724
77	4704104581	Lewis	Gordon W Moore	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4366	ACTIVE	39.09696	-80.333888
78	4704104628	Lewis	George W Dawson	Eastern Gas Transmission & Storage, Inc.	Misc Sands-BNSN/BRLR	Gas	4459	ACTIVE	39.090289	-80.325157
79	4704104630	Lewis	Harold Linger	Eastern Gas Transmission & Storage, Inc.	Misc Sands-BNSN/BRLR	Gas	4673	ACTIVE	39.09406	-80.324042
80	4704104643	Lewis	Gordon W Moore	Eastern Gas Transmission & Storage, Inc.	Misc Sands-BNSN/BRLR	Gas	4641	ACTIVE	39.093236	-80.331338
81	4704104645	Lewis	Gordon W Moore	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	2742	ACTIVE	39.094694	-80.327878
82	4704104646	Lewis	Thomas C Kennedy	Eastern Gas Transmission & Storage, Inc.	Misc Sands-BNSN/BRLR	Gas	4643	ACTIVE	39.107390	-80.335430
83	4704104658	Lewis	Howard A Mearns	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4470	ACTIVE	39.101738	-80.341353
84	4704104768	Lewis	Thomas C Kennedy	Eastern Gas Transmission & Storage, Inc.	Misc Sands-BNSN/BRLR	Gas	4320	ACTIVE	39.110890	-80.341502
85	4704104769	Lewis	Myrtle B Arbogast	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4456	ACTIVE	39.106117	-80.342608
86	4704104788	Lewis	Thomas C Kennedy et al	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4635	ACTIVE	39.102365	-80.326446
87	4704104792	Lewis	Dorothy J Randolph	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4749	ACTIVE	39.102702	-80.321113
88	4704104793	Lewis	Frank E Lewis/N Jackson	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4707	ACTIVE	39.107306	-80.319155
89	4704105216	Lewis	George Wesley Dawson	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4428	ACTIVE	39.100731	-80.331676
90	4704105217	Lewis	George Wesley Dawson	Eastern Gas Transmission & Storage, Inc.	Greenland Gap Fm	Gas	4686	ACTIVE	39.09812	-80.322556
91	4704130115	Lewis	M E Cookman	Hope Natural Gas Company	Hampshire Grp	Gas	2614	PLUGGED	39.094495	-80.321623
92	4704130290	Lewis	Claudia Blake	Standard Gas Co.	Hampshire Grp	Gas	2450	PLUGGED	39.08845	-80.327404
93	4704130795	Lewis	Geo M Post	Consolidated Gas Supply Corp.	Hampshire Grp	Gas	2446	PLUGGED	39.09135	-80.334074

YELLOW DENOTES WELL WITH TVD > 4,450' GREEN DENOTES SURVEYED WELLS

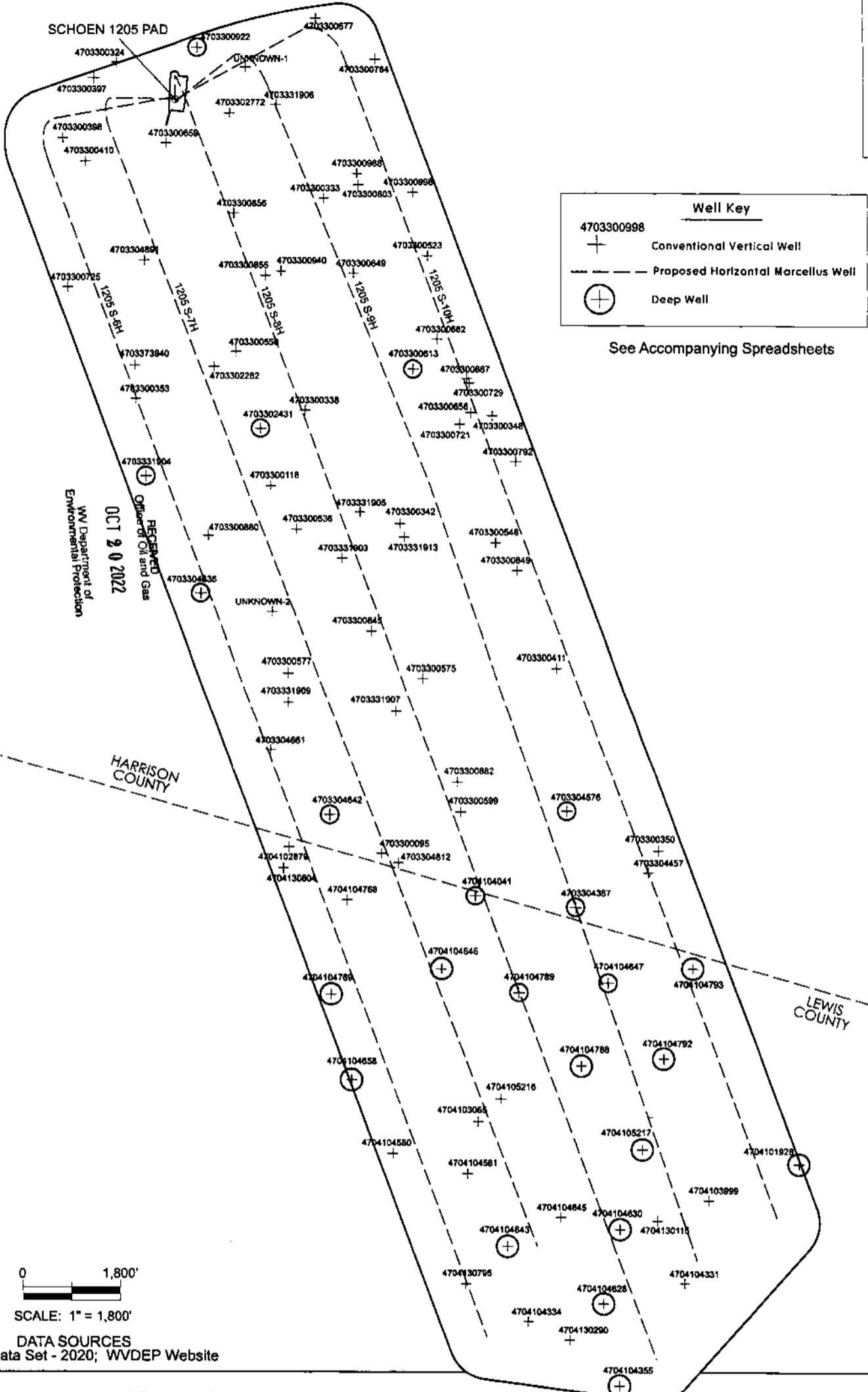
SOURCE: WVGES DATASET (2020) and WVDEP WEBSITE AND FIELD SURVEYS

UPDATED 9/16/2022

RECEIVED
Office of Oil & Gas
OCT 19 2022
WV Department of
Environmental Protection

10/4/2022

SCHOEN 1205 PAD



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

See Accompanying Spreadsheets



SCALE: 1" = 1,800'

DATA SOURCES
WVGES Data Set - 2020; WVDEP Website

Area of Review for:

SCHOEN 1205 SOUTH UNIT

Proposed 1205 S-6H Proposed 1205 S-7H Proposed 1205 S-8H
Proposed 1205 S-9H Proposed 1205 S-10H

Grant District, Harrison County, W.Va. &
Hacker's Creek District, Lewis County, W.Va.

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



9/16/2022