



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, May 23, 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-7H
47-033-05995-00-00

Lateral Extension/ New leases

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, Chief. The signature is stylized and written in a cursive script. Below the signature, the name 'James A. Martin' and the title 'Chief' are printed in a standard font.

James A. Martin
Chief

Operator's Well Number: SCHOEN 1205 S-7H
Farm Name: GEORGE & ROSANNE SCHOEN
U.S. WELL NUMBER: 47-033-05995-00-00
Horizontal 6A New Drill
Date Modification Issued: 5/23/2022

Promoting a healthy environment.

05/27/2022

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 494519932 Harrison Grant Mount Clare 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Schoen 1205 S-7H 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

S.O.W
3/30/2022

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: 7240'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22,840'

11) Proposed Horizontal Leg Length: 14,932'

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

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

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: _____

RECEIVED
Office of Oil and Gas
MAY - 5 2022
WV Department of
Environmental Protection

4703305995

WW-6B
(04/15)

API NO. 47- 033 - 05995
 OPERATOR WELL NO. Schoen 1205 S-7H
 Well Pad Name: Schoen 1205

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 | 22840' | 22840' ✓ | 20% excess tail, CTS |
| Tubing | | | | | | | |
| Liners | | | | | | | |

*SDW
3/30/2022*

| 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 Lead |
| Production | 5 1/2" | 8 1/2" | .415 | 16240 | 12500 | Type 1/Class A | 20% excess yield = 1.18, tail yield 1.04, |
| Tubing | | | | | | | |
| Liners | | | | | | | |

PACKERS

| | | | | |
|-------------|--|--|--|--|
| Kind: | | | | |
| Sizes: | | | | |
| Depths Set: | | | | |

WW-6B
(10/14)

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 7240 feet. Drill horizontal leg to estimated 14,932' lateral length, 22,840' 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
 Freshwater - 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 5.5" 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 - 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 CaCl 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 CaCl 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 MPA170Tat: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% Excess/Lead Yield=1.19Tail Yield=1.94CTS*

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/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.

*Note: Attach additional sheets as needed.



1205 S-7H
Marcellus Shale Horizontal
Harrison County, WV

| | | | | | | | | | | | | |
|-------------------------|-----------------|----------------------|--|--|----------------------|--------------------------------|--|--|---------------------------------|--|--|--|
| | | 1205 S-7H SHL | | | | 14218476.58N 1824100.6E | | | | | | |
| Ground Elevation | 1407.3' | | | | 1205 S-7H LP | | | | 14217724.53N 1822955.05E | | | |
| Azm | 159.338° | | | | 1205 S-7H BHL | | | | 14203760.4N 1828229.8E | | | |

| 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 = 0.433" 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 / 1558 | 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 / Gantz (Storage) | 1565 / 1900 | 1690 / 1970 | | | | | |
| | | | Intermediate 1 | 0 | 2100 | | | | | |
| | 12.25" | 9-5/8" 40# J-55 BTC | Fifty / Thirty Foot | 1993 / 2112 | 2093 / 2147 | 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 | 2195 / 2250 | 2250 / 2310 | | | | | |
| | | | 5th Sand | 2440 | 2468 | | | | | |
| | | | Warren | 2835 | 2860 | | | | | |
| | 3.5" Vertical | 5-1/2" 23# P-110 HP CDC HTQ | Speechley | 3028 | 3162 | 9.0ppg SOBMM | <u>Lead:</u> 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 <u>Tail:</u> 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 |
| | | | Bradford | 3342 | 3367 | | | | | |
| | | | Benson | 4420 | 4455 | | | | | |
| | 8.5" Curve | | Rhinestreet | 5872 | 6549 | 11.5ppg-12.5ppg SOBMM | | | | |
| Cashaqua | | | 6549 | 6740 | | | | | | |
| Middlesex | | | 6740 | 6870 | | | | | | |
| West River | | | 6870 | 7003 | | | | | | |
| Burkett | | | 7003 | 7048 | | | | | | |
| Tully Limestone | | | 7048 | 7149 | | | | | | |
| Hamilton | | | 7149 | 7214 | | | | | | |
| 8.5" Lateral | Marcellus | 7214 | 7315 | 11.5ppg-12.5ppg SOBMM | | | | | | |
| | TMD / TVD (Production) | 22840 | 7240 | | | | | | | |
| | | | Onondaga | 7315 | | | | | | |

LP @ 7240' TVD / 7908' MD

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

+/-14932' ft Lateral

TD @ +/-7240' TVD
+/-22840' MD

X=centralizers

4703305995

5,361' to Top Hole

1,341' to Bottom Hole

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

LONGITUDE 80 - 20 - 00

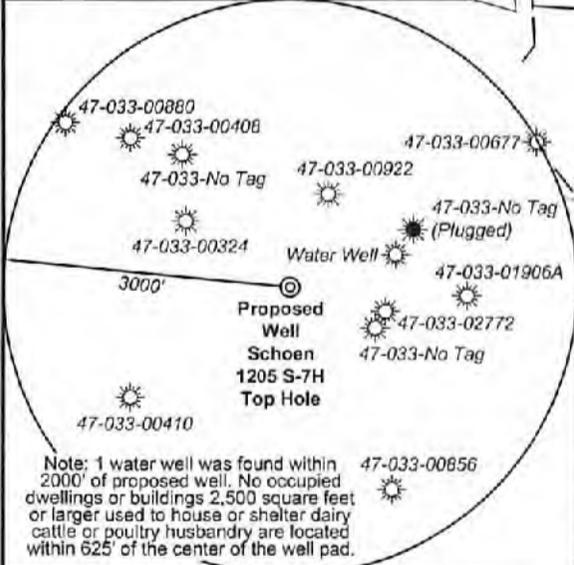
5,092' to Bottom Hole

5,519' to Top Hole

Notes: Well No. Schoen 1205 S-7H UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,476.58'
E: 1,824,100.60'
Landing Point Coordinates
N: 14,217,724.53'
E: 1,822,955.05'
Bottom Hole Coordinates
N: 14,203,780.40'
E: 1,828,229.80'

- 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-7H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°09'05.44" Longitude: 80°21'08.08"
Bottom Hole coordinates Latitude: 39°06'39.64" Longitude: 80°20'17.01"
UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,333,800.329m E: 555,986.975m
Bottom Hole Coordinates N: 4,329,314.829m E: 557,245.558m
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 72°38' E | 1,517.6' |
| L2 | S 58°19' E | 1,280.9' |
| L3 | N 85°48' W | 1,221.8' |
| L4 | N 69°22' W | 1,002.5' |
| L5 | S 56°43' W | 1,370.4' |



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.

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

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 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: March 17 2022
OPERATOR'S WELL NO. Schoen 1205 S-7H
API WELL NO
47 - 033 - 05995
STATE COUNTY PERMIT

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

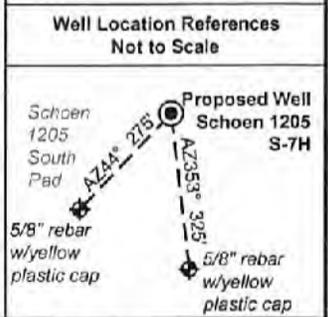
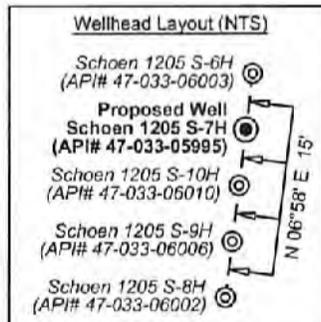
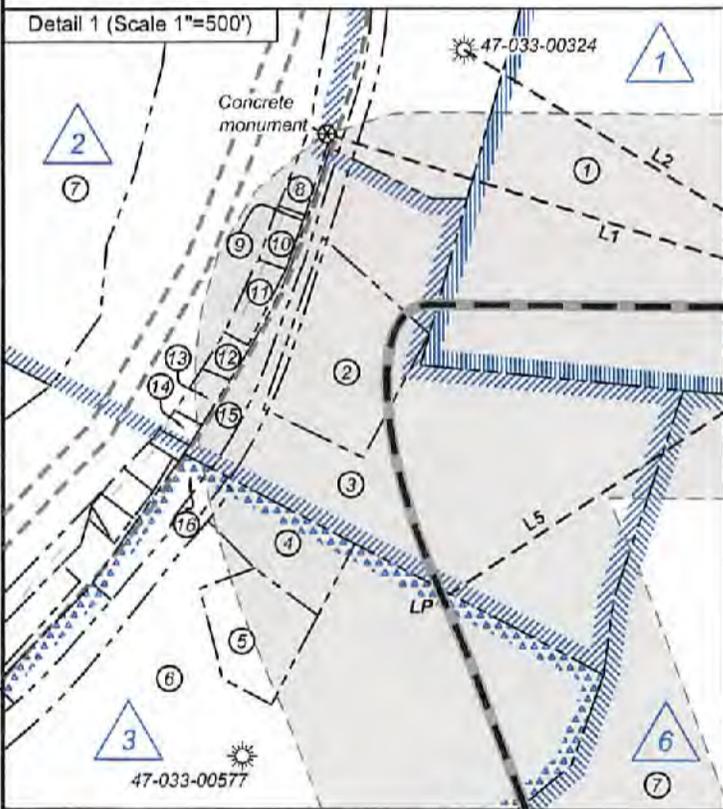
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek
DISTRICT: Grant / Hackers Creek
SURFACE OWNER: George & Rosanne Schoen
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 78.20
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,841' 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



| ID | Lease |
|----|--------------------------------|
| 1 | A.B. Post, et al |
| 2 | H.D. & Marcella R. Bond, et al |
| 3 | Emma A. Waggoner, et al |
| 6 | Susan V. Curry, et al |
| 9 | L.D. & Addie Swisher |
| 11 | P.T. Allman |
| 14 | M.M.F. & S.F. Randolph |
| 18 | Sidney Cookman, et al |
| 20 | Alcinda B. & M.E. Jackson |
| 70 | Mary Alkire |

| Harrison County | | | | |
|-----------------|------------|---------------------------------|-------------|--------|
| No. | TM / Par | Owner | Bk / Pg | Ac. |
| 1 | 447 / 2 | George & Rosanne Schoen | 1148 / 1059 | 65.00 |
| 2 | 446 / 12 | Marilyn Gaines | 1192 / 300 | 2.93 |
| 3 | 446 / 15 | Vera E. Oral K. Haught | 1582 / 896 | 14.40 |
| 4 | 446 / 28.5 | Robert L. Vanhorn | 1352 / 91 | 1.52 |
| 5 | 446 / 28.4 | Bradford Vanhorn | 1381 / 1181 | 1.52 |
| 6 | 446 / 28.2 | David D. Vanhorn, et al | W177 / 92 | 42.66 |
| 7 | 446 / 7 | James R. & Sharon L. Allman | 1437 / 165 | 91.97 |
| 8 | 446 / 9 | Karen A. Hayes | 1397 / 1136 | 0.33 |
| 9 | 446 / 7.1 | Karen A. Hayes | 1397 / 1136 | 0.03 |
| 10 | 446 / 10 | Karen A. Hayes | 1397 / 1136 | 0.25 |
| 11 | 446 / 11 | Mildred Dean | 1060 / 270 | 0.41 |
| 12 | 446 / 13.1 | Mack & Thelma Samples | 1578 / 761 | 0.21 |
| 13 | 446 / 13 | Kimberly Vanscoy | 1306 / 5 | 0.27 |
| 14 | 446 / 14 | Lisa D. Grogg | 1583 / 301 | 0.14 |
| 15 | 446 / 15.1 | David & Grace Hughes | 1257 / 694 | 0.31 |
| 16 | 446 / 28 | Larry E. Wilson, II | 1344 / 1211 | 0.57 |
| 17 | 446 / 29 | John F. McCuskey II, et al | 1121 / 25 | 75.00 |
| 18 | 446 / 38 | Sandra J. Hogsed | 1257 / 137 | 70.16 |
| 19 | 447 / 32 | Joseph C. Queen | 1349 / 508 | 36.00 |
| 20 | 447 / 33 | Joseph Queen | 1349 / 508 | 20.00 |
| 21 | 447 / 43.1 | Joseph C. Queen | 1349 / 508 | 17.16 |
| 22 | 447 / 43 | Betty J. & Isaac H. Maxwell III | 1543 / 141 | 123.95 |
| 23 | 467 / 29.1 | Charles R. & Franklin L. Sutton | --- / --- | 129.61 |
| 24 | 467 / 1 | Margaret L. Gyimesi | 1306 / 775 | 78.79 |
| 25 | 467 / 29 | Gretna J. Adkins | 1207 / 424 | 8.39 |
| 26 | 467 / 30 | William L. Randolph, et ux | 1518 / 19 | 73.73 |
| 27 | 467 / 30.1 | Charles R. & Franklin L. Sutton | --- / --- | 11.05 |
| 28 | 467 / 33 | Charles R. & Franklin L. Sutton | 1472 / 181 | 39.20 |
| 29 | 468 / 49 | Charles R. & Franklin L. Sutton | --- / --- | 105.17 |
| 30 | 467 / 49.1 | Jane E. & Cody R. Ball | 1570 / 114 | 2.08 |
| 31 | 467 / 51 | Gary Jedrosko | 1561 / 1064 | 5.76 |
| 32 | 467 / 50 | David L. & Celia K. Radcliff | 1314 / 1289 | 6.00 |
| 33 | 467 / 51.2 | Gary Jedrosko | 1561 / 1064 | 8.38 |
| 34 | 467 / 51.1 | Gary Jedrosko | 1561 / 1064 | 8.87 |
| 35 | 467 / 52 | David L. & Lisle C. Hinkle | 1282 / 389 | 175.50 |
| 36 | 487 / 4.2 | Catherine A. Mauro | 1244 / 135 | 5.00 |
| 37 | 487 / 3 | Myrtle B. Arbogast | W146 / 426 | 29.17 |
| 38 | 487 / 4.1 | Catherine A. Mauro | 1244 / 135 | 95.45 |
| 39 | 487 / 4 | Catherine A. Mauro | 1244 / 135 | 4.36 |
| 40 | 447 / 20 | Richard & Janet Stout | 1175 / 320 | 51.00 |
| Lewis County | | | | |
| No. | TM / Par | Owner | Bk / Pg | Ac. |
| 41 | 10C / 11 | Thomas C. Kennedy | W3 / 428 | 92.50 |



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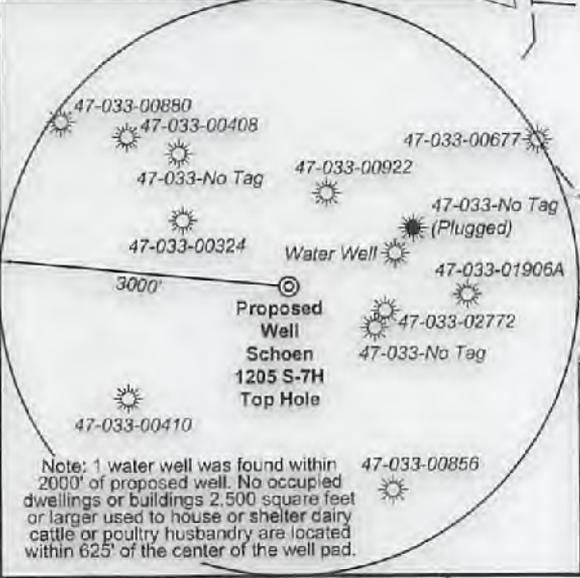
WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

Top: Mount Clare
Btm: Berlin
COUNTY: Harrison
ACREAGE: 65.00
05/27/2022

Notes: Well No. Schoen 1205 S-7H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,218,476.58'
E: 1,824,100.60'
Landing Point Coordinates
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Bottom Hole Coordinates
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- 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.)

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based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°09'05.44" Latitude: 39°06'39.64"
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UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,333,800.329m N: 4,329,314.829m
E: 555,986.975m E: 557,245.558m
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 72°38' E | 1,517.6' |
| L2 | S 58°19' E | 1,280.9' |
| L3 | N 85°48' W | 1,221.8' |
| L4 | N 69°22' W | 1,002.5' |
| L5 | S 56°43' W | 1,370.4' |

5,361' to Top Hole
1,341' to Bottom Hole

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



LONGITUDE 80 - 20 - 00
5,092' to Bottom Hole
5,519' to Top Hole

Top Hole 7.5' Spot
Bottom Hole 7.5' Spot



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

FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 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: March 17 2022
OPERATOR'S WELL NO. Schoen 1205 S-7H
API WELL NO. M.59
47 - 033 - 05995
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) BHL MOD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,841' MD

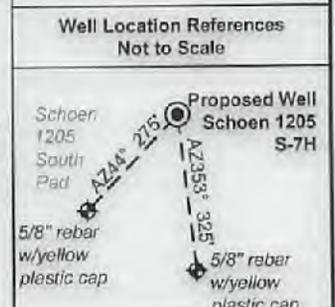
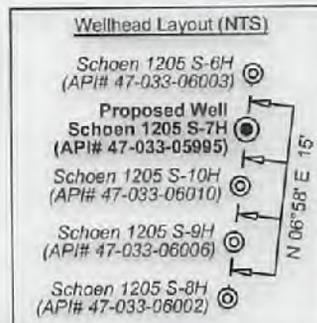
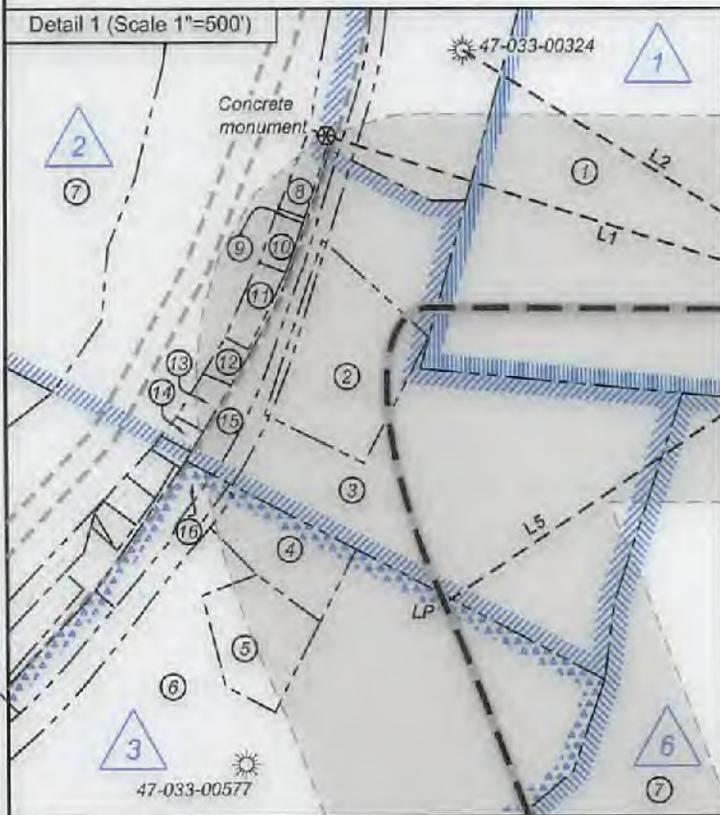
WELL OPERATOR: HG Energy II Appalachia, LLC
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101
DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

05/27/2022



| ID | Lease |
|----|--------------------------------|
| 1 | A.B. Post, et al |
| 2 | H.D. & Marcella R. Bond, et al |
| 3 | Emma A. Waggoner, et al |
| 6 | Susan V. Curry, et al |
| 9 | L.D. & Addie Swisher |
| 11 | P.T. Allman |
| 14 | M.M.F. & S.F. Randolph |
| 18 | Sidney Cookman, et al |
| 20 | Alicinda B. & M.E. Jackson |
| 70 | Mary Akire |

| Harrison County | | | | |
|-----------------|------------|---------------------------------|-------------|--------|
| No. | TM / Par | Owner | Bk / Pg | Ac. |
| 1 | 447 / 2 | George & Rosanne Schoen | 1148 / 1059 | 65.00 |
| 2 | 446 / 12 | Marilyn Gaines | 1192 / 300 | 2.93 |
| 3 | 446 / 15 | Vera E. Oral K. Haught | 1582 / 896 | 14.40 |
| 4 | 446 / 28.5 | Robert L. Vanhorn | 1352 / 91 | 1.52 |
| 5 | 446 / 28.4 | Bradford Vanhorn | 1381 / 1181 | 1.52 |
| 6 | 446 / 28.2 | David D. Vanhorn, et al | W177 / 92 | 42.66 |
| 7 | 446 / 7 | James R. & Sharon L. Allman | 1437 / 165 | 91.97 |
| 8 | 446 / 9 | Karen A. Hayes | 1397 / 1136 | 0.33 |
| 9 | 446 / 7.1 | Karen A. Hayes | 1397 / 1136 | 0.03 |
| 10 | 446 / 10 | Karen A. Hayes | 1397 / 1136 | 0.25 |
| 11 | 446 / 11 | Mildred Dean | 1060 / 270 | 0.41 |
| 12 | 446 / 13.1 | Mack & Thelma Samples | 1578 / 761 | 0.21 |
| 13 | 446 / 13 | Kimberly Vanscoy | 1306 / 5 | 0.27 |
| 14 | 446 / 14 | Lisa D. Grogg | 1583 / 301 | 0.14 |
| 15 | 446 / 15.1 | David & Grace Hughes | 1257 / 894 | 0.31 |
| 16 | 446 / 28 | Larry E. Wilson, II | 1344 / 1211 | 0.57 |
| 17 | 446 / 29 | John F. McCuskey II, et al | 1121 / 25 | 75.00 |
| 18 | 446 / 38 | Sandra J. Hogsed | 1257 / 137 | 70.16 |
| 19 | 447 / 32 | Joseph C. Queen | 1349 / 508 | 36.00 |
| 20 | 447 / 33 | Joseph Queen | 1349 / 508 | 20.00 |
| 21 | 447 / 43.1 | Joseph C. Queen | 1349 / 508 | 17.16 |
| 22 | 447 / 43 | Betty J. & Isaac H. Maxwell III | 1543 / 141 | 123.95 |
| 23 | 467 / 29.1 | Charles R. & Franklin L. Sutton | --- / --- | 129.61 |
| 24 | 467 / 1 | Margaret L. Gyimesi | 1306 / 775 | 78.79 |
| 25 | 467 / 29 | Gretna J. Adkins | 1207 / 424 | 8.39 |
| 26 | 467 / 30 | William L. Randolph, et ux | 1518 / 19 | 73.73 |
| 27 | 467 / 30.1 | Charles R. & Franklin L. Sutton | --- / --- | 11.05 |
| 28 | 467 / 33 | Charles R. & Franklin L. Sutton | 1472 / 181 | 39.20 |
| 29 | 466 / 49 | Charles R. & Franklin L. Sutton | --- / --- | 105.17 |
| 30 | 467 / 49.1 | Jane E. & Cody R. Ball | 1570 / 114 | 2.08 |
| 31 | 467 / 51 | Gary Jedrosko | 1561 / 1064 | 5.76 |
| 32 | 467 / 50 | David L. & Celia K. Radcliff | 1314 / 1289 | 6.00 |
| 33 | 467 / 51.2 | Gary Jedrosko | 1561 / 1064 | 8.38 |
| 34 | 467 / 51.1 | Gary Jedrosko | 1561 / 1064 | 8.87 |
| 35 | 467 / 52 | David L. & Lisle C. Hinkle | 1282 / 389 | 175.50 |
| 36 | 487 / 4.2 | Catherine A. Mauro | 1244 / 135 | 5.00 |
| 37 | 487 / 3 | Myrtle B. Arbogast | W148 / 426 | 29.17 |
| 38 | 487 / 4.1 | Catherine A. Mauro | 1244 / 135 | 95.45 |
| 39 | 487 / 4 | Catherine A. Mauro | 1244 / 135 | 4.36 |
| 40 | 447 / 20 | Richard & Janet Stout | 1175 / 320 | 51.00 |
| Lewis County | | | | |
| No. | TM / Par | Owner | Bk / Pg | Ac. |
| 41 | 10C / 11 | Thomas C. Kennedy | W3 / 428 | 92.50 |



FILE NO: 32-36-G-19
DRAWING NO: Schoen 1205 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: March 17 2022
OPERATOR'S WELL NO. Schoen 1205 S-7H
API WELL NO H10
47 - 033 - 05995
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 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) BHL MOD 7.230' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,841' 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

05/27/2022

WW-6A1
(5/13)

Operator's Well No. Schoen 1205 S-7H

**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 |
|-------------------------|-----------------------|-----------------------|---------|-----------|
|-------------------------|-----------------------|-----------------------|---------|-----------|

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

HG Energy II Appalachia, LLC - Schoen 1205 S-7H Lease Chain

| 1205S 7H | 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 | NOT LESS THAN 1/8 | 900 | 269 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | 179 |
| | | | | CONSOLIDATED GAS SUPPLY CORPORATION | CONSOLIDATED GAS TRANSMISSION CORPORATION | ASSIGNMENT | 1136 | 250 |
| | | | | CONSOLIDATED GAS 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 |
| | | | | DOMINION TRANSMISSION, INC. | CNX GAS COMPANY LLC | FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1524 | 491 |
| | | | | 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 |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | 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 | 1601 | 581 |
| DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 | | | | |
| DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT (68%) | 1637 | 1081 | | | | |

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| | | | | | | | | |
|------------------------------|---------------------|------------------------------|------------|---|--|---|-------|------|
| 2 | LC066976 | 12-0446-0007-000 et al | Q100894000 | MARCELLA R. BOND AND H. D. BOND, HER HUSBAND; S. ERLOW DAVIS AND ANTHA DAVIS, HIS WIFE; HUGH C. DAVIS AND MARTHA DAVIS, HIS WIFE; GEORGIA A. BARNES, WIDOW; ALTHEA J. RANDOLPH, WIDOW; JANE D. POST AND JACOB S. POST, HER HUSBAND; ROXIE VEITH, SINGLE; JOHN A. VEITH, SINGLE; HALLIS VEITH, SINGLE; GRACE VEITH, SINGLE; JESSIE S. DAVIS, WIDOW; JOHN B. GRUMBEIN, WIDOWER; JOHN D. PICKENS AND HELEN N. PICKENS, HIS WIFE; LOUISE B. BELCHER AND EARL J. BELCHER, HER HUSBAND; LEWIS E. DAVIS AND LENORE DAVIS, HIS WIFE; LETTA M. BOND, SINGLE; PAUL V. BOND AND EVALEEN K. BOND, HIS WIFE; EVERETT O. DAVIS AND RUTH M. DAVIS, HIS WIFE; G. M. BASSEL AND MAUDE S. BASSEL, HIS WIFE; CLETT MOUNT AND HELEN MOUNT, HIS WIFE | HOPE NATURAL GAS COMPANY | NOT LESS THAN 1/8 | 787 | 418 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | 179 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS TRANSMISSION CORPORATION | ASSIGNMENT | 1136 | 250 |
| | | | | CONSOLIDATED GAS SUPPLY CORPORATION | CNG TRANSMISSION CORPORATION | MERGER/NAME CHANGE | 51 | 795 |
| | | | | CONSOLIDATED GAS TRANSMISSION CORPORATION | DOMINION TRANSMISSION, INC. | MERGER/NAME CHANGE | 58 | 362 |
| | | | | CNG TRANSMISSION CORPORATION | CNX GAS COMPANY LLC | MEMORANDUM FARMOUT AGREEMENT | 1522 | 33 |
| | | | | DOMINION TRANSMISSION, INC. | CNX GAS COMPANY LLC | FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1524 | 491 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | NOBLE ENERGY, INC. | LIMITED PARTIAL ASSIGNMENT (50%) | 1543 | 1235 |
| | | | | CNX GAS COMPANY LLC | CNX GAS COMPANY LLC AND NOBLE ENERGY, INC. | PARTIAL ASSIGNMENT (32%) | 1576 | 125 |
| | | | | DOMINION TRANSMISSION, INC. | NOBLE ENERGY, INC. | ASSIGNMENT | 1584 | 942 |
| | | | | CNX GAS COMPANY LLC | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | NOBLE ENERGY, INC. | DOMINION ENERGY TRANSMISSION, INC. | MERGER/NAME CHANGE | WVSOS | |
| | | | | DOMINION TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1601 | 581 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT (68%) | 1637 | 1081 |
| | | | | EMMA A. WAGGONER, WIDOW; W. A. WAGGONER AND MINNIE WAGGONER, HIS WIFE; AND W. GEORGE WAGGONER AND VIRGINIA WAGGONER, HIS WIFE | HOPE NATURAL GAS COMPANY | NOT LESS THAN 1/8 | 777 | 396 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | 179 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS TRANSMISSION CORPORATION | ASSIGNMENT | 1136 | 250 |
| | | | | CONSOLIDATED GAS SUPPLY CORPORATION | CNG TRANSMISSION CORPORATION | MERGER/NAME CHANGE | 51 | 795 |
| | | | | CONSOLIDATED GAS TRANSMISSION CORPORATION | DOMINION TRANSMISSION, INC. | MERGER/NAME CHANGE | 58 | 362 |
| CNG TRANSMISSION CORPORATION | CNX GAS COMPANY LLC | MEMORANDUM FARMOUT AGREEMENT | 1522 | 33 | | | | |
| DOMINION TRANSMISSION, INC. | | | | | | | | |

12-0446-0028-0000
12-0446-0028-0011
12-0446-0028-0002

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| | | | | | | | | |
|---|--|---|----------------------------|--|--|---|----------|-------------------------------------|
| 3 | LC066702 | 12-0446-0028-0003 12-0446-0028-0004 12-0446-0028-0005 | Q101137000 | 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 | WVSOS | |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1601 | 581 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT (68%) | 1637 | 1081 |
| | | | | SUSAN V. CURRY, SINGLE; AND IDA M. CURRY, SINGLE | HOPE NATURAL GAS COMPANY | NOT LESS THAN 1/8 | 193 | 265 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | 179 |
| 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 | CONSOLIDATED GAS SUPPLY CORPORATION | CORPORATION | ASSIGNMENT | 1136 | 250 |
| | | | | CONSOLIDATED GAS 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. | ASSIGNMENT | 1543 | 1235 |
| | | | | DOMINION TRANSMISSION, INC. | INC. | ASSIGNMENT | 1576 | 125 |
| | | | | CNX GAS COMPANY LLC | NOBLE ENERGY, INC. | ASSIGNMENT | 1584 | 942 |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | 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 | 1601 | 581 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT (68%) | 1637 | 1081 |
| | | | | L. D. SWISHER AND ADDIE SWISHER, HIS WIFE | HOPE NATURAL GAS COMPANY | NOT LESS THAN 1/8 | 152 | 254 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | 179 |
| | | | | 9 | LC005124 | 12-0447-0043-0000 12-0447-0043-0001 | FK005124 | CONSOLIDATED GAS SUPPLY CORPORATION |
| CONSOLIDATED GAS 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 |
| DOMINION ENERGY TRANSMISSION, INC. | CNX GAS COMPANY LLC | FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1524 | | | | | 491 |
| 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 | WVSOS | | | | | |
| DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1601 | | | | | 581 |

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| | | | | | | | | |
|------------------------------------|------------------------------|--|------------|--|--|---|-------|------|
| 11 | LC020456 | 12-0467-0001-0000 12-0467-0001-0001 12-0467-0001-0002 12-0467-0001-0003 | Q100320000 | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1637 | 1081 |
| | | | | P. T. ALLMAN | HOPE NATURAL GAS COMPANY | NOT LESS THAN 1/8 | 193 | 281 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | 179 |
| | | | | CONSOLIDATED GAS SUPPLY CORPORATION | CONSOLIDATED GAS TRANSMISSION CORPORATION | ASSIGNMENT | 1136 | 250 |
| | | | | CONSOLIDATED GAS 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 |
| | | | | DOMINION TRANSMISSION, INC. | CNX GAS COMPANY LLC | FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1524 | 491 |
| | | | | 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 |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | 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 | 1601 | 581 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1637 | 1081 | | | | |
| 14 | LC005043 | 12-0467-0030-0000 12-0467-0030-0001 p/o 12-0467-0032-0003 12-0467-033-0000 p/o 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 | 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 |
| | | | | CONSOLIDATED GAS 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 | WVSOS | |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1601 | 581 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1637 | 1081 |

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| | | | | | | | | |
|---|---|--|---------------------------|---|---|---|------------|---|
| 18 | LC008461 | 12-0467-0049-0000 12-0467-0049-0001 12-0467-0050-0000 12-0467-0051-0000 12-0467-0051-0001 12-0467-0051-0002 12-0487-0002-0000 12-0487-0002-0001 12-0487-0002-0002 12-0487-0010-0000 | Q100617000 FEEHGII0041 | SIDNEY COOKMAN; A. B. COOKMAN; I. S. COOKMAN; ALICE MCCARTNEY AND I. W. MCCARTNEY, HER HUSBAND;; MAUD CLEAVENGER AND J. R. CLEAVENGER, HER HUSBAND; AND, P. B. COOKMAN | SOUTH PENN OIL COMPANY | NOT LESS THAN 1/8 | 118 | 18 |
| | | | | 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 |
| | | | | CONSOLIDATED GAS 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 |
| | | | | DOMINION TRANSMISSION, INC. | CNX GAS COMPANY LLC | FIRST AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1524 | 491 |
| | | | | 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 |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | 692 |
| | | | | 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 | 1601 | 581 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1621 | 1295 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1637 | 1081 |
| | | | | 20 | LC051844 | 12-0487-0004-0000 12-0487-0004-0001 12-0487-0004-0002 | Q100873000 | ALCINDA B. JACKSON AND M. E. JACKSON, HER HUSBAND |
| HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 903 | | | | | 179 |
| CONSOLIDATED GAS SUPPLY CORPORATION | CONSOLIDATED GAS TRANSMISSION CORPORATION | ASSIGNMENT | 1136 | | | | | 250 |
| CONSOLIDATED GAS 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 | WVSOS | | | | | |
| NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1600 | | | | | 692 |
| DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT | 1601 | | | | | 581 |
| DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 1637 | | | | | 1081 |
| | | | | MARY ALKIRE, WIDOW | HOPE NATURAL GAS COMPANY | NOT LESS THAN 1/8 | 68 | 532 |
| | | | | HOPE NATURAL GAS COMPANY | CONSOLIDATED GAS SUPPLY CORPORATION | CONFIRMATORY DEED | 294 | 89 |

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| | | | | | | | | |
|----|----------|-------------------|------------|---|--|---|-------|-----|
| 70 | LC022733 | 04-010C-0011-0000 | Q100522000 | 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 |
| | | | | DOMINION TRANSMISSION, INC. | DOMINION ENERGY TRANSMISSION, INC. | MERGER/NAME CHANGE | WVSOS | |
| | | | | NOBLE ENERGY, INC. | HG ENERGY II APPALACHIA, LLC | ASSIGNMENT | 722 | 170 |
| | | | | | | 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 |
| | | | | DOMINION ENERGY TRANSMISSION, INC. | HG ENERGY II APPALACHIA, LLC | | | |

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

March 21, 2022

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

RECEIVED
Office of Oil and Gas

MAY - 5 2022

WV Department of
Environmental Protection

RE: Schoen 1205 S-7H Permit Revision – (47-033-05995)
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-7H well work permit. We request the permit be modified as additional leases have been secured to revise 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

CHK# 030182
Amt \$5000
Date 2/24/22

05/27/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Expedited Modification H6A Horizontal Well Work Permit (API: 47-033-05995 & 47-033-06003)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Mon, May 23, 2022 at 9:24 AM

To: Diane White <dwhite@hgenergyllc.com>, dpalmer@harrisoncountywv.com, mcopeland@harrisoncountywv.com, "Ward, Samuel D" <samuel.d.ward@wv.gov>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-033-05995 - SCHOEN 1205 S-7H**47-033-06003 - SCHOEN 1205 S-6H**

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry**Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****Wade.A.Stansberry@wv.gov**

2 attachments **47-033-05995 - mod.pdf**
1721K **47-033-06003 - mod.pdf**
1817K**05/27/2022**