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west virginia department of environmental protection

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

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

Tuesday, February 9, 2021  
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

Modified Well Bore and 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 handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a light blue circular stamp.

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: 2/9/2021

Promoting a healthy environment.

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.

<u>494519932</u>	<u>Harrison</u>	<u>Grant</u>	<u>Mount Clare 7.5'</u>
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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

*SDW*  
*11/2/21*

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: 21,833'

11) Proposed Horizontal Leg Length: 13,935'

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: \_\_\_\_\_

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WW-6B  
(04/15)

API NO. 47-**4703305995**  
 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	21833'	21833'	20% excess tail, CTS
Tubing							
Liners							

1/12/21

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; In yield 1.84
Tubing							
Liners							

**PACKERS**

Kind:				
Sizes:				
Depths Set:				

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

Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 7240 feet. Drill horizontal leg to estimated 13,935' lateral length, 21,833' 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 3 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 - 15.6 ppg PNE-1 + 3% bwoc CaCl<sub>2</sub> 40% Excess Yield = 1.20, CTS  
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub> 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS\*  
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl<sub>2</sub> 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl 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 MPA170Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% ExcessLead 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.

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\*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

14217728N 1822964.47E

Azm

159.798°

1205 S-7H BHL

14204655.45N 1827774.84E

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
		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 <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					
8.5" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3028	3162	9.0ppg SOBM	Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess Lead Yield=1.19 Tail Yield=1.94 CTS	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.	Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.	Production casing = 0.415" wall thickness Burst=16240 psi Note:Actual centralizer schedules may be changed due to hole conditions
		Bradford	3342	3367					
		Benson	4420	4455					
8.5" Curve		Rhinestreet	5872	6549	11.5ppg-12.5ppg SOBM		Run 1 spiral centralizer every 3 joints from the 1st 5.5" long joint to the top of the curve.		
		Cashaqua	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 SOBM					
	TMD / TVD (Production)	21832	7240						
		Onondaga	7315						

LP @ 7240' TVD / 7898' MD

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

+/-13934' ft Lateral

TD @ +/-7240' TVD  
+/-21832' MD

X=centralizers

Environmental Division

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5,361' to Top Hole

1,789' to Bottom Hole

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

LONGITUDE 80 - 20 - 00  
4,194' 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: 1,824,100.80'  
Landing Point Coordinates  
N: 14,217,728.00'  
E: 1,822,964.47'  
Bottom Hole Coordinates  
N: 14,204,655.45'  
E: 1,827,774.84'



Bottom Hole  
7.5' Spot

Top Hole  
7.5' Spot

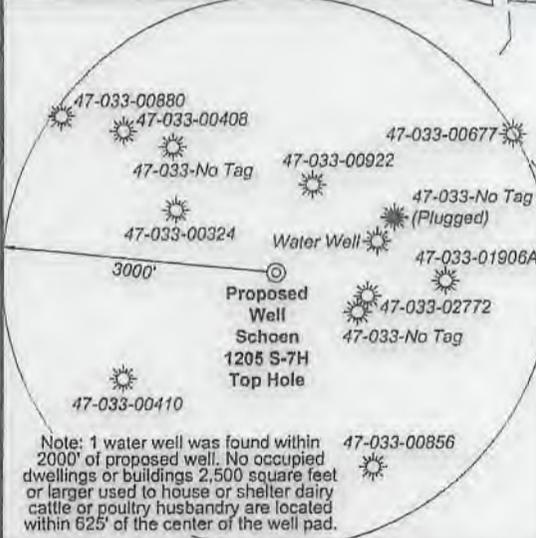


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Dwayne D. Matheny, 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-7H West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Top Hole coordinates Bottom Hole coordinates  
Latitude: 39°09'05.44" Latitude: 39°06'48.52"  
Longitude: 80°21'08.08" Longitude: 80°20'22.70"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,333,800.329m N: 4,329,587.640m  
E: 555,986.975m E: 557,106.884m  
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°37' W	1,360.6'

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: January 5 20 21  
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

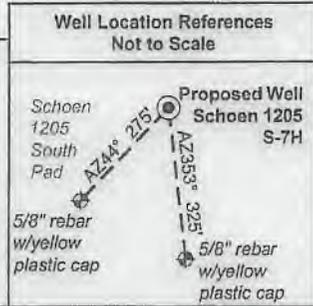
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,240' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,833' MD

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



ID	Lease
1	Willa Post Robey
2	H.D. & Marcella R. Bond, et al
3	Emma A. Waggoner, et al
6	Susan V. Curry & Ida M. Curry
9	L.D. & Addie Swisher
11	P.T. Allman
14	M.M.F. & S.F. Randolph
18	Sidney Cookman, et al
19	Sidney Haymond
20	Alcinda B. & M.E. Jackson
51	J.W. & Sarah Lewis
53	B. & I.M. Swisher
55	Willa E. Ware, et al

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 / 29	John F. McCuskey II, et al	1121 / 25 75.00
8	446 / 38	Sandra J. Hogsed	1257 / 137 70.16
9	447 / 32	Joseph C. Queen	1349 / 508 36.00
10	447 / 33	Joseph Queen	1349 / 508 20.00
11	447 / 43.1	Joseph C. Queen	1349 / 508 17.16
12	447 / 43	Betty J. & Isaac H. Maxwell III	1543 / 141 123.95
13	467 / 29.1	Charles R. & Franklin L. Sutton	--- / --- 129.61
14	467 / 1	Margaret L. Gyimesi	1306 / 775 78.79
15	467 / 29	Gretna J. Adkins	1207 / 424 8.39
16	467 / 30	William L. Randolph, et ux	1518 / 19 73.73
17	467 / 30.1	Charles R. & Franklin L. Sutton	--- / --- 11.05
18	467 / 33	Charles R. & Franklin L. Sutton	1472 / 181 39.20
19	466 / 49	Charles R. & Franklin L. Sutton	--- / --- 105.17
20	467 / 49.1	Jane E. & Cody R. Ball	1570 / 114 2.08
21	467 / 51	Gary Jedrosko	1561 / 1064 5.76
22	467 / 50	David L. & Celia K. Radcliff	1314 / 1289 6.00
23	467 / 51.2	Gary Jedrosko	1561 / 1064 8.38
24	467 / 51.1	Gary Jedrosko	1561 / 1064 8.87
25	467 / 52	David L. & Lisle C. Hinkle	1282 / 389 175.50
26	487 / 4.2	Catherine A. Mauro	1244 / 135 5.00
27	487 / 3	Myrtle B. Arbogast	W148 / 426 29.17
28	487 / 4.1	Catherine A. Mauro	1244 / 135 95.45
29	487 / 4	Catherine A. Mauro	1244 / 135 4.36



FILE NO: 32-36-G-19  
DRAWING NO: Schoen 1205 S-7H Well Plat  
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Submeter  
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 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 7,240' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,833' 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

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

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

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4703305995

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

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

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3	LC066702	12-0446-0028-0004 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
				9	LC005124	12-0447-0043-0000 12-0447-0043-0001	FK005124	HOPE NATURAL GAS COMPANY
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 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 FEEHG10041	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
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				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	NOT LESS THAN 1/8	497	4
				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

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

January 6, 2021

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

RE: Schoen 1205 S-7H Request for Permit Revision – (47-033-05995)  
Grant Creek District, Harrison County  
West Virginia

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Dear Ms. Kees -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic and WW6A-1) for the 1205 S-7H well work permit. We request the permit be modified for lease and engineering design revisions.

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

Very truly yours,

*Diane White*

Diane C. White

Enclosures

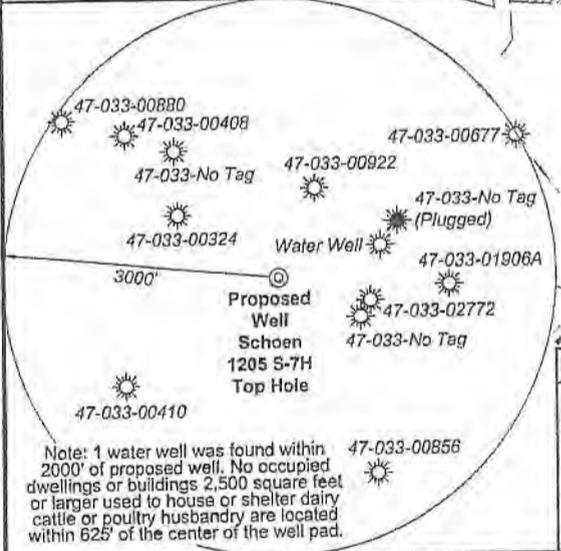
cc: Sam Ward – DEP State Inspector

5,361' to Top Hole  
1,789' to Bottom Hole  
TOP LATITUDE 39 - 10 - 00  
BTM LATITUDE 39 - 07 - 30  
LONGITUDE 80 - 20 - 00 - 00  
4,194' 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: 1,824,100.80'  
Landing Point Coordinates  
N: 14,217,728.00'  
E: 1,822,964.47'  
Bottom Hole Coordinates  
N: 14,204,655.45'  
E: 1,827,774.84'

- 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°06'48.52" Longitude: 80°20'22.70"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates N: 4,333,800.329m E: 555,986.975m  
Bottom Hole Coordinates N: 4,329,587.640m E: 557,106.884m  
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

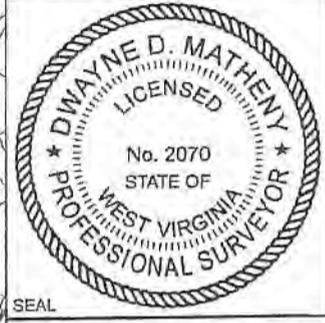


Tag	Bearing	Dist.
L1	S 72°38' E	1,517.6'
L2	S 58°19' E	1,280.9'
L3	N 85°48' W	1,221.8'
L4	N 69°22' W	1,002.5'
L5	S 56°37' W	1,360.6'



Bottom Hole 7.5' Spot

Top 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

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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: January 5 2021  
OPERATOR'S WELL NO. Schoen 1205 S-7H  
API WELL NO  
47 - 033 - 05995  
STATE COUNTY PERMIT

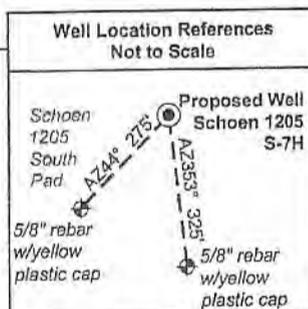
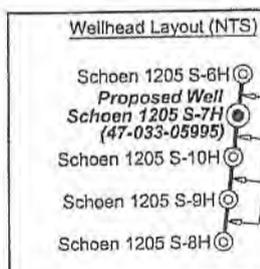
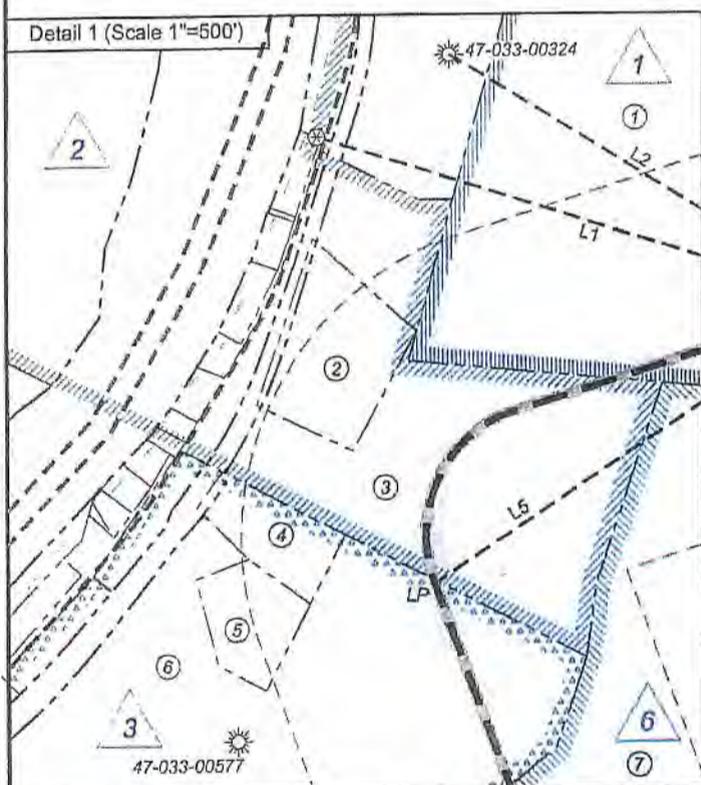
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1,407.3' WATERSHED: Middle West Fork Creek  
DISTRICT: Grant / Hackers Creek  
SURFACE OWNER: George & Rosanne Schoen  
ROYALTY OWNER: Willa Post Robey, et al LEASE NO: ACREAGE: 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 7,240' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,833' 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



ID	Lease
1	Willa Post Robey
2	H.D. & Marcella R. Bond, et al
3	Emma A. Waggoner, et al
6	Susan V. Curry & Ida M. Curry
9	L.D. & Addie Swisher
11	P.T. Allman
14	M.M.F. & S.F. Randolph
18	Sidney Cookman, et al
19	Sidney Haymond
20	Alcinda B. & M.E. Jackson
51	J.W. & Sarah Lewis
53	B. & I.M. Swisher
55	Willa E. Ware, et al

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	42.68
7	446 / 29	John F. McCuskey II, et al	1121 / 25	75.00
8	446 / 38	Sandra J. Hogsed	1257 / 137	70.16
9	447 / 32	Joseph C. Queen	1349 / 508	36.00
10	447 / 33	Joseph Queen	1349 / 508	20.00
11	447 / 43.1	Joseph C. Queen	1349 / 508	17.16
12	447 / 43	Betty J. & Isaac H. Maxwell III	1543 / 141	123.95
13	467 / 29.1	Charles R. & Franklin L. Sutton	--- / ---	129.61
14	467 / 1	Margaret L. Gyimesi	1306 / 775	78.79
15	467 / 29	Gretna J. Adkins	1207 / 424	8.39
16	467 / 30	William L. Randolph, et ux	1518 / 19	73.73
17	467 / 30.1	Charles R. & Franklin L. Sutton	--- / ---	11.05
18	467 / 33	Charles R. & Franklin L. Sutton	1472 / 181	39.20
19	466 / 49	Charles R. & Franklin L. Sutton	--- / ---	105.17
20	467 / 49.1	Jane E. & Cody R. Ball	1570 / 114	2.08
21	467 / 51	Gary Jedrosko	1561 / 1064	5.76
22	467 / 50	David L. & Celia K. Radcliff	1314 / 1299	6.00
23	467 / 51.2	Gary Jedrosko	1561 / 1064	8.38
24	467 / 51.1	Gary Jedrosko	1561 / 1064	8.87
25	467 / 52	David L. & Lisle C. Hinkle	1282 / 389	175.50
26	487 / 4.2	Catherine A. Mauro	1244 / 135	5.00
27	487 / 3	Myrtle B. Arbogast	W148 / 426	29.17
28	487 / 4.1	Catherine A. Mauro	1244 / 135	95.45
29	487 / 4	Catherine A. Mauro	1244 / 135	4.36



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: January 5 2021  
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

Top: Mount Clare  
QUADRANGLE: Btm: Berlin

DISTRICT: Grant / Hackers Creek

COUNTY: Harrison / Lewis

SURFACE OWNER: George & Rosanne Schoen

ACREAGE: 65.00

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 7,240' TVD

PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,833' MD

WELL OPERATOR: HG Energy II Appalachia, LLC  
ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101

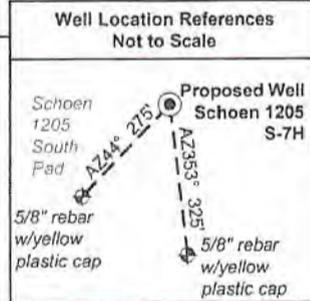
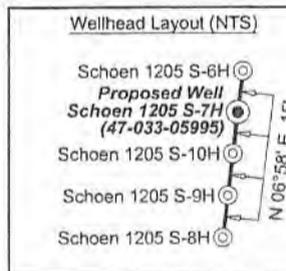
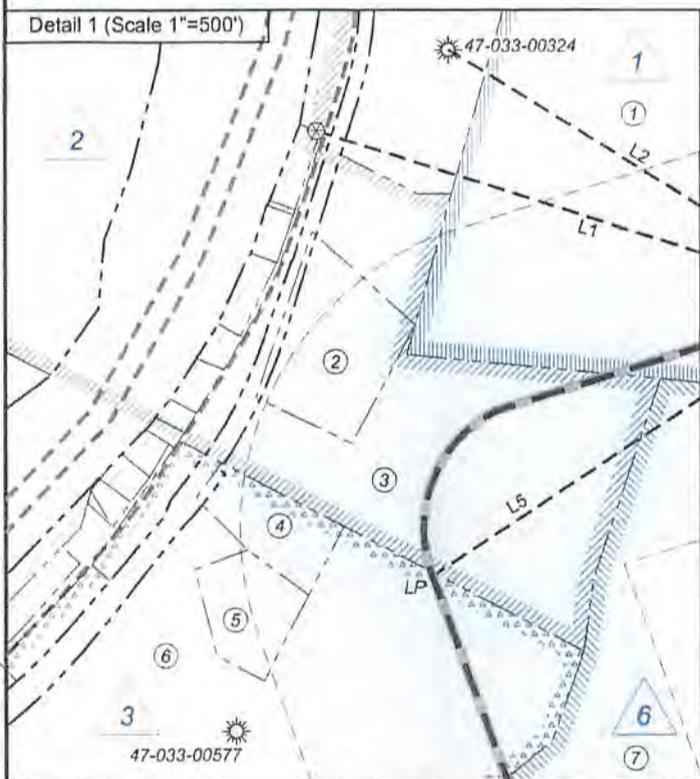
DESIGNATED AGENT: Diane C. White  
ADDRESS: 5260 Dupont Road  
Parkersburg, WV 26101





ID	Lease
1	Willa Post Robey
2	H.D. & Marcella R. Bond, et al
3	Emma A. Waggoner, et al
6	Susan V. Curry & Ida M. Curry
9	L.D. & Addie Swisher
11	P.T. Allman
14	M.M.F. & S.F. Randolph
18	Sidney Cookman, et al
19	Sidney Haymond
20	Alcinda B. & M.E. Jackson
51	J.W. & Sarah Lewis
53	B. & I.M. Swisher
55	Willa E. Ware, et al

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 / 29	John F. McCuskey II, et al	1121 / 25	75.00
8	446 / 38	Sandra J. Hogsed	1257 / 137	70.16
9	447 / 32	Joseph C. Queen	1349 / 508	36.00
10	447 / 33	Joseph Queen	1349 / 508	20.00
11	447 / 43.1	Joseph C. Queen	1349 / 508	17.16
12	447 / 43	Betty J. & Isaac H. Maxwell III	1543 / 141	123.95
13	467 / 29.1	Charles R. & Franklin L. Sutton	--- / ---	129.61
14	467 / 1	Margaret L. Gyimesi	1306 / 775	78.79
15	467 / 29	Gretna J. Adkins	1207 / 424	8.39
16	467 / 30	William L. Randolph, et ux	1518 / 19	73.73
17	467 / 30.1	Charles R. & Franklin L. Sutton	--- / ---	11.05
18	467 / 33	Charles R. & Franklin L. Sutton	1472 / 181	39.20
19	466 / 49	Charles R. & Franklin L. Sutton	--- / ---	105.17
20	467 / 49.1	Jane E. & Cody R. Ball	1570 / 114	2.08
21	467 / 51	Gary Jedrosko	1561 / 1064	5.76
22	467 / 50	David L. & Celia K. Radcliff	1314 / 1289	6.00
23	467 / 51.2	Gary Jedrosko	1561 / 1064	8.38
24	467 / 51.1	Gary Jedrosko	1561 / 1064	8.87
25	467 / 52	David L. & Lisle C. Hinkle	1282 / 389	175.50
26	487 / 4.2	Catherine A. Mauro	1244 / 135	5.00
27	487 / 3	Myrtle B. Arbogast	W148 / 426	29.17
28	487 / 4.1	Catherine A. Mauro	1244 / 135	95.45
29	487 / 4	Catherine A. Mauro	1244 / 135	4.36



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: January 5 20 21  
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 7,240' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,833' 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

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

12055 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				
		12-0446-0007-000 et al	Q100014000	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

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2	LC000970		00490011	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 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
				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
				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

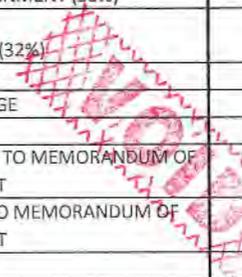
  

3	LC066702	12-0446-0028-0000 12-0446-0028-0011 12-0446-0028-0002 12-0446-0028-0003 12-0446-0028-0004 12-0446-0028-0005	Q101137000	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	903	179
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	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 (68%)	1637	1081

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	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
				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

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 WV Department of  
 Environmental Protection



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9	LC005124	12-0447-0043-0000 12-0447-0043-0001	FK005124	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
				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 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
				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				
11	LC020456	12-0467-0001-0000 12-0467-0001-0001 12-0467-0001-0002 12-0467-0001-0003	Q100320000	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	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

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12-0467-0036-0000  
12-0467-0036-0001  
p/o 12-467-0032-0000

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

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  
FEEHGH0041

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

19

LC008514

12-0467-0052-0000

Q100306000

SIDNEY HAYMOND AND VIRGINIA HAYMOND, HIS WIFE	SOUTH PENN OIL 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
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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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	NOT LESS THAN 1/8	497	4				
				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				
51	LC008516	12-0487-0003-0000 4-010C-0021-0000	Q100545000	J. W. LEWIS AND SARAH LEWIS, HUSBAND AND WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	121	164				
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	204	402				
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	HARRISON 903 LEWIS 294	179 89				
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	HARRISON 1136 LEWIS 425	250 127				
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	HARRISON 51 WVSOS	795				
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	HARRISON 58 WVSOS	362				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM FARMOUT AGREEMENT	HARRISON 1522 LEWIS 672	33 154				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	HARRISON 1543 LEWIS 684	1235 57				
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	HARRISON 1576 LEWIS 712	125 848				
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	HARRISON 1584 LEWIS 717	942 1				
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	HARRISON 1600 LEWIS 722	692 170				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	HARRISON 1601 LEWIS 723	581 499				
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	HARRISON 1621 LEWIS 734	1295 558				
				52	LC008492	12-0466-0054-0000 12-0467-0029-0000	Q100303000	B. SWISHER AND I. M. SWISHER, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	121	73
								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				
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	1543					1235				

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	LC000726	12-0467-0029-0000 12-0467-0029-0001	Q100950000	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
				WILLA E. WARE AND JOHN P. WARE, HER HUSBAND; AND THE HARRISON COUNTY BANK	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1011	167
				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.	LIMITED PARTIAL ASSIGNMENT (50%)	1543	1235				
DOMINION TRANSMISSION, INC.	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				

RECEIVED  
Office of Oil and Gas  
JAN 19 2021  
WV Department of  
Environmental Protection

VOID

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Permit Modification

Received date: 1/19/21

Well Name: S-7H

Operator: HG

API: 33-05995

Pad Name: Schoen

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	7240 ✓	7240 ✓
TMD	21833 ✓	22015
HL	13935 ✓	13807
FW	Same	135, 480, 640, 728 ✓
SW	Same	1730, 1780, 2010 ✓
COAL	Same	501, 650, 730, 736 ✓
CONDUCTOR	120	120 ✓
FRESHWATER	1200	1200 ✓
INTERMEDIATE 1	2100	2100 ✓
INTERMEDIATE 2	2950	2950 ✓
PRODUCTION	21833	22014

Notes: Parcels 1, 2, 59, 3, 6, 55, 9, 54, 53, 14, 18  
52, 51, 20

1, 2, 3, 6, 9, 11, 14, 18, 20 ✓ 19, 51, 53, 55

Not necessary  
outside will be

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