



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

Thursday, March 18, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit Modification Approval for EVANS 1213 N-1H
47-041-05708-00-00

Changes to the Lateral Length

HG ENERGY II APPALACHIA, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.


James A. Martin
Chief

Operator's Well Number: EVANS 1213 N-1H
Farm Name: JAMES M & SUZANNE L EVANS
U.S. WELL NUMBER: 47-041-05708-00-00
Horizontal 6A New Drill
Date Modification Issued: 3/18/2021

Promoting a healthy environment.

03/26/2021

WW-6B
(04/15)

API NO. 47- _____
OPERATOR WELL NO. Evans 1213 N-1H
Well Pad Name: Evans 1213

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

1) Well Operator: HG Energy II Appalachia, L.P. 494519932 Lewis Freeman Big Isaac 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Evans 1213 N-1H Well Pad Name: Evans 1213

3) Farm Name/Surface Owner: James & Suzanne Evans Public Road Access: Mare Run Rd at CR 10/9

4) Elevation, current ground: 1233' Elevation, proposed post-construction: 1227'

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No No *Bony Steyer 1-26-21*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus at 6709/6791' and 82' in thickness. Anticipated pressure at 4314#.

8) Proposed Total Vertical Depth: 6760'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,050'

11) Proposed Horizontal Leg Length: 16,716'

12) Approximate Fresh Water Strata Depths: 60', 136', 151', 200'

13) Method to Determine Fresh Water Depths: Nearest offset well data, (47-041-01847, 1786, 1233)

14) Approximate Saltwater Depths: None found

15) Approximate Coal Seam Depths: 220', 445', 650', 800', 805' (Surface casing is being extended to cover the coal in the DTI Storage Field)

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

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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WV Department of
Environmental Protection

WW-6B
(04/15)

4704105708
API NO. 47- -
OPERATOR WELL NO. Evans 1213 N-1H
Well Pad Name: Evans 1213

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	1100'	1100'	CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2100'	2100'	CTS
Intermediate 2	9 5/8"	NEW	J-55 BTC	40	2900'	2900'	CTS
Production	5 1/2"	NEW	P-110 HP	23	24050'	24050'	CTS
Tubing							
Liners							

B.S. 1-26-21

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"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	3950		Type 1/Class A	Lead 40% excess, Tail 0% Excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	20% excess yield = 1.19, tail yield 1.94
Tubing							
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				FEB 03 2021
Depths Set:				WV Department of Environmental Protection

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 6760 feet. Drill horizontal leg to estimated 16,716 lateral length, 24,050 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): 14.36 acres

22) Area to be disturbed for well pad only, less access road (acres): 6.26 acres

23) Describe centralizer placement for each casing string:

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

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

Conductor - N/A. Casing to be drilled in w/ Dual Rotary Rig.
Fresh Water/Coal - 15.6 ppg PNE-1 + 3% bwoc CaCl₂, 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess, Tail: 15.9 ppg, PNE-1 + 2.5% bwoc CaCl₂, zero% Excess, CTS
Production - Lead: 14.5 ppg POZ-PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA170, Tail: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA170 20% Excess, Lead Yield=1.19, Tail Yield=1.94, CTS

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.
Fresh Water/Coal - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement.
Intermediate 1 - Once casing is at setting depth, Circulate and condition at TD. Circulate a minimum of one hole volume prior to pumping cement.
Intermediate 2 - Once casing is at setting depth, Circulate and condition 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.



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1213 N-1H
Marcellus Shale Horizontal
Lewis County, WV

Ground Elevation			1227.6'			1213 N-1H SHL			14205092.28N 1777976.99E		
Azm			340.528°			1213 N-1H LP			14205790.8N 1778661.61E		
WELLBORE DIAGRAM			1227.6'			1213 N-1H BHL			14221545.52N 1773094.48E		
HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS		
	30"	30" 157.5# LS	Conductor	0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Conductor casing = 0.5" wall thickness	
	26"	20" 94# J-55	Fresh Water	0	214, 600, 861	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	
			Kittanning Coal	800	805						
			Fresh Water Protection	0	1100						
	17.5"	13-3/8" 68# J-55 BTC	Little Lime	1474	1494	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	
			Big Lime	1524	1594						
			Injun / Gantz (Storage)	1594 / 1866	1692 / 1926						
			Intermediate 1	0	2100						
	12.25"	9-5/8" 40# J-55 BTC	Fifty / Thirty Foot	1978 / 2075	1998 / 2102	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	2120 / 2156	2154 / 2232						
			5th Sand	2369	2409						
			Bayard / Warren	2449 / 2771	2479 / 2796						
8.75" Vertical	5-1/2" 23# P-110 HP CDC HTQ	Speechley	3076	3096	AIR / 9.0ppg SOBM	<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		
		Balltown	3286	3346							
		Benson	4386	4411							
8.5" Curve		Rhinestreet	6009	6279	11.5ppg-12.5ppg SOBM						
		Cashaqua	6279	6379							
		Middlesex	6379	6411							
		West River	6411	6482							
		Burkett	6482	6492							
		Tully Limestone	6492	6600							
		Hamilton	6600	6753							
8.5" Lateral		Marcellus	6709	6791	11.5ppg-12.5ppg SOBM						
		TMD / TVD (Production)	24050	6760							
		Onondaga	6791								

LP @ 6760' TVD / 7334' MD

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

+/-16716' ft Lateral

TD @ +/-6760' TVD
+/-24050' MD

X=centralizers

9,099' to Bottom Hole

4,308' to Top Hole

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

LONGITUDE 80 - 30 - 00
3,444' to Top Hole

2,135' to Bottom Hole

HG Energy II Appalachia, LLC
Well No. Evans 1213 N-1H MOD
Page 1 of 2

Tag	Bearing	Dist.	Description
L1	N 88°37' W	1,089.6'	#47-041-02619
L2	S 67°22' E	1,349.5'	#47-041-01847
L3	S 26°33' E	489.9'	Gate Post
L4	S 10°59' E	2,462.2'	5/8" Rebar w/cap
L5	N 44°25' E	978.1'	Landing point

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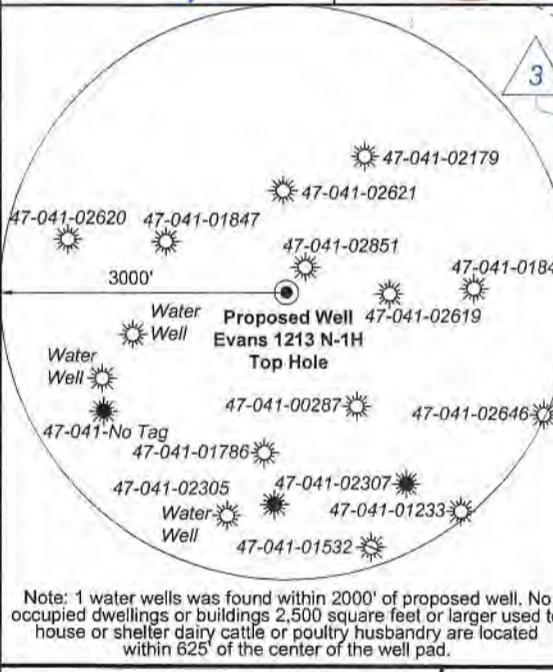
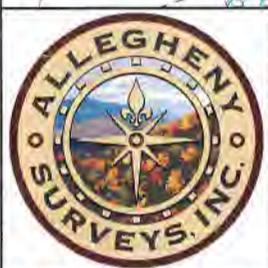
Notes:
Well No. Evans 1213 N-1H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,092.28'
E: 1,777,976.99'
Landing Point Coordinates
N: 14,205,790.80'
E: 1,778,661.61'
Bottom Hole Coordinates
N: 14,221,545.52'
E: 1,773,094.48'

Notes: Well No. Evans 1213 N-1H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Latitude: 39°06'55.95" Longitude: 80°30'54.67" UTM Zone 17, NAD 1983
Bottom Hole coordinates Latitude: 39°09'38.89" Longitude: 80°31'55.56" UTM Zone 17, NAD 1983
Top Hole Coordinates N: 4,329,720.786m E: 541,928.470m
Bottom Hole Coordinates N: 4,334,735.744m E: 540,440.280m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



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

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



FILE NO: 235-36-12-19
DRAWING NO: Evans 1213 N-1H 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

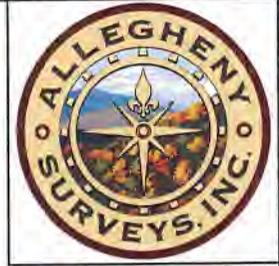
DATE: December 11 2020
OPERATOR'S WELL NO. Evans 1213 N-1H
API WELL NO MOD
47 - 041 - 05708
STATE COUNTY PERMIT

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

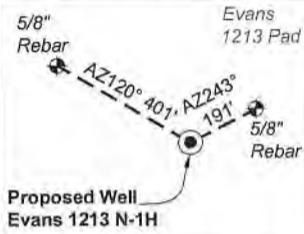
LOCATION: ELEVATION: 1,227.6' WATERSHED: Middle West Fork Creek
DISTRICT: Freemans Creek
SURFACE OWNER: James M. & Suzanne L. Evans
ROYALTY OWNER: Mary C. Burnside, et al, et al LEASE NO: ACREAGE: 294.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD 6,760' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,050' 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

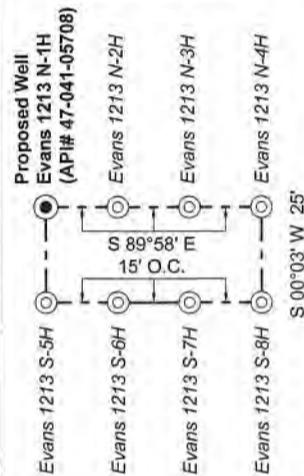


**Well Location References
Not to Scale**



ID	Lease
3	C.M. Garrett, et al
4	Ira L. Queen, et al
5	Will E. Morris, et al
6	Clara Queen, et vir, et al
13	Robert T. Paugh, et al
14	Oma G. Hall, et al
16	Flodia B. Smith, et al
18	Lizzie B. Conley
19	Robert J. Paugh, et al
20	W.T. Highland, et al
26	J.S. Norris
27	Stephen Queen, et al
28	Silas E. Gochenour, et ux, et al
29	Lowman E. Garrett, et al
30	J.S. Hall, et ux
31	Mary C. Burnside, et al

Wellhead Layout (NTS)



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.)
- Adjoiner surface tracts (approx.)

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Lewis Co. - Freeman Creek Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 4	Suzanne L. & James M. Evans, III	657 / 228	294.00
2	6C / 21	Clarence C. Thacker, et al	445 / 493	166.25
3	6C / 3.2	John K. Burnside & Bertha F. Benedum	666 / 44	115.00
4	6C / 3	Phillip E. Burnside, et al	666 / 38	87.20
5	6C / 1	Brenda A. Stout, et al	W33 / 607	25.50
6	6C / 2	Phillip E. Burnside, et al	666 / 38	17.00
7	6B / 10	Michael Terrel Moss, et al	340 / 693	112.00
8	6B / 8	James C. Garrett, et al	621 / 578	47.00
9	6B / 7	Michael Terrel Moss, et al	340 / 693	10.00
10	6B / 6	James C. Garrett, et al	621 / 578	30.00
11	5B / 39	Edward E. Garrett, et al	429 / 245	55.00
12	6B / 5	Edward E. Garrett, et al	429 / 245	136.00
13	5B / 41	Michael J. Kirwan, III	720 / 812	51.00
14	5B / 36	James C. Garrett, et al	621 / 578	64.00
15	6B / 4	James C. Garrett, et al	621 / 578	92.50
16	5B / 35	Ruth U. Theofield Living Trust	740 / 840	96.69
17	6B / 2	Edward & Theresa M. Paugh (L/E)	746 / 831	78.25
18	5C / 47	James C. Garrett, et al	621 / 578	1.50
Harrison Co. - Union-Outside Dist.				
No.	TM / Par	Owner	Bk / Pg	Ac.
19	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79
20	442 / 8	Mark J. Coffindaffer, et al	W160 / 415	119.78
21	442 / 8.1	Barbara Dawson & Misha McDonnie	W175 / 240	1.11
22	442 / 9.2	John R. & Jennifer L. Paugh	1365 / 585	5.59
23	442 / 7	Michael A. & Sarah G. Weaver	1592 / 1189	61.10
24	422 / 33	Mark J. Coffindaffer, et al	W160 / 415	125.70
25	422 / 32	Mike Ross, Inc.	1483 / 698	101.00
26	422 / 15.3	Carol Ann Nay, et al	1560 / 362	83.83
27	442 / 8.2	Pleasant Hill M.E. Church Trustees	188 / 197	0.40

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DISTRICT: Freemans Creek

Btm: Big Isaac
Top: Camden
QUADRANGLE: Lewis
COUNTY: Lewis
ACREAGE: 294.00

SURFACE OWNER: James M. & Suzanne L. Evans
ROYALTY OWNER: Mary C. Burnside, et al, et al

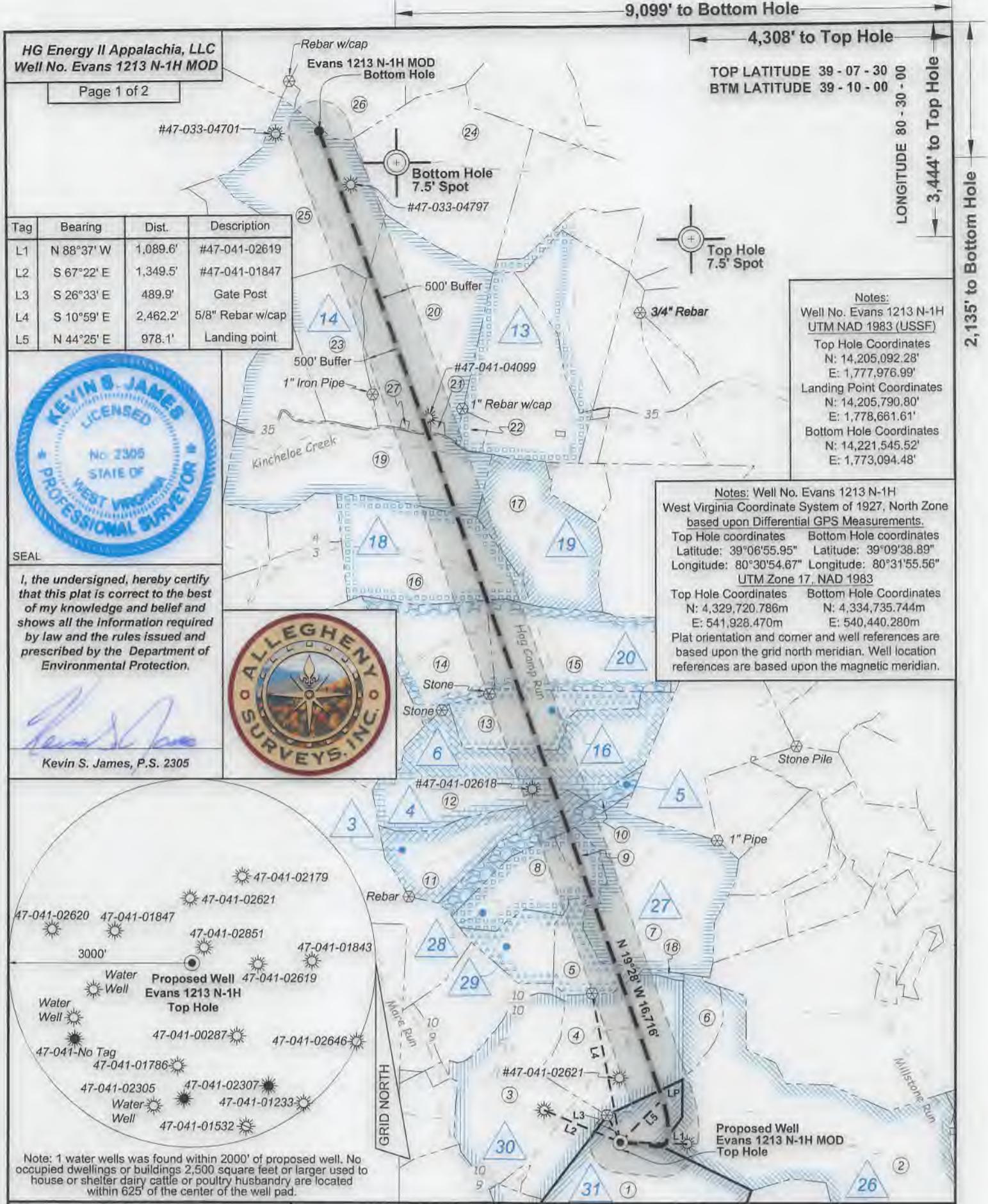
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) LP & BH MOD

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24,050' MD

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

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



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9,099' to Bottom Hole
4,308' to Top Hole
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BTM LATITUDE 39 - 10 - 00

LONGITUDE 80 - 30 - 00
3,444' to Top Hole

2,135' to Bottom Hole



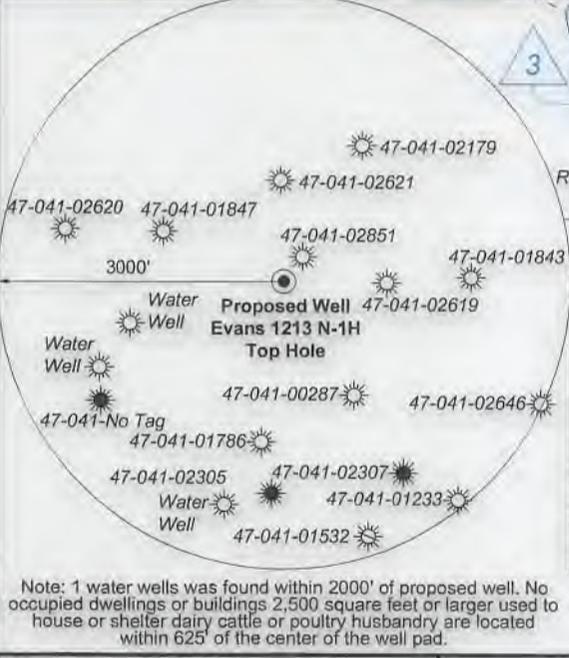
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Kevin S. James
Kevin S. James, P.S. 2305



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OIL AND GAS DIVISION

DATE: December 11 2020
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47 - 041 - 05708
STATE COUNTY PERMIT

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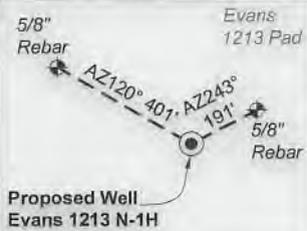
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 24,050' MD

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

03/26/2021

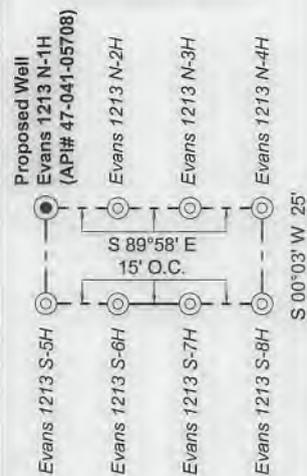


Well Location References
Not to Scale



ID	Lease
3	C.M. Garrett, et al
4	Ira L. Queen, et al
5	Will E. Morris, et al
6	Clara Queen, et vir, et al
13	Robert T. Paugh, et al
14	Oma G. Hall, et al
16	Flodia B. Smith, et al
18	Lizzie B. Conley
19	Robert J. Paugh, et al
20	W.T. Highland, et al
26	J.S. Norris
27	Stephen Queen, et al
28	Silas E. Gochenour, et ux, et al
29	Lowman E. Garrett, et al
30	J.S. Hall, et ux
31	Mary C. Burnside, et al

Wellhead Layout (NTS)



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.)
- Adjoinder surface tracts (approx.)

Lewis Co. - Freeman Creek Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
1	6C / 4	Suzanne L. & James M. Evans, III	657 / 228	294.00
2	6C / 21	Clarence C. Thacker, et al	445 / 493	166.25
3	6C / 3.2	John K. Burnside & Bertha F. Benedum	666 / 44	115.00
4	6C / 3	Phillip E. Burnside, et al	666 / 38	87.20
5	6C / 1	Brenda A. Stout, et al	W33 / 607	25.50
6	6C / 2	Phillip E. Burnside, et al	666 / 38	17.00
7	6B / 10	Michael Terrel Moss, et al	340 / 693	112.00
8	6B / 8	James C. Garrett, et al	621 / 578	47.00
9	6B / 7	Michael Terrel Moss, et al	340 / 693	10.00
10	6B / 6	James C. Garrett, et al	621 / 578	30.00
11	5B / 39	Edward E. Garrett, et al	429 / 245	55.00
12	6B / 5	Edward E. Garrett, et al	429 / 245	136.00
13	5B / 41	Michael J. Kirwan, III	720 / 812	51.00
14	5B / 36	James C. Garrett, et al	621 / 578	64.00
15	6B / 4	James C. Garrett, et al	621 / 578	92.50
16	5B / 35	Ruth U. Theofield Living Trust	740 / 840	96.69
17	6B / 2	Edward & Theresa M. Paugh (L/E)	746 / 831	78.25
18	5C / 47	James C. Garrett, et al	621 / 578	1.50

Harrison Co. - Union-Outside Dist.

No.	TM / Par	Owner	Bk / Pg	Ac.
19	442 / 8.3	William Coffindaffer, et ux (LE)	1585 / 819	114.79
20	442 / 8	Mark J. Coffindaffer, et al	W160 / 415	119.78
21	442 / 8.1	Barbara Dawson & Misha McDonnie	W175 / 240	1.11
22	442 / 9.2	John R. & Jennifer L. Paugh	1365 / 585	5.59
23	442 / 7	Michael A. & Sarah G. Weaver	1592 / 1189	61.10
24	422 / 33	Mark J. Coffindaffer, et al	W160 / 415	125.70
25	422 / 32	Mike Ross, Inc.	1483 / 698	101.00
26	422 / 15.3	Carol Ann Nay, et al	1560 / 362	83.83
27	442 / 8.2	Pleasant Hill M.E. Church Trustees	188 / 197	0.40

FILE NO: 235-36-12-19

DRAWING NO: Evans 1213 N-1H 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: December 11 2020

OPERATOR'S WELL NO. Evans 1213 N-1H

API WELL NO **MOD**

47 - 041 - 05708
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,227.6' WATERSHED: Middle West Fork Creek

DISTRICT: Freemans Creek

SURFACE OWNER: James M. & Suzanne L. Evans

ROYALTY OWNER: Mary C. Burnside, et al, et al

LEASE NO: _____ ACREAGE: 294.00

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,760' TVD 24,050' MD

WELL OPERATOR: HG Energy II Appalachia, LLC

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101

Btm: Big Isaac
QUADRANGLE: Top: Camden
COUNTY: Lewis
ACREAGE: 294.00
03/26/2021

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
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See Attached Sheets

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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WV Department of
Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

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

HG Energy II Appalachia, LLC - Evans 1213 N-1H Revised Lease Chain

1213N Tract	LEGACY LEASE NUMBER	TAX MAP	RECEIVED Office of Oil and Gas FEB 03 2021 Department of Environmental Protection	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE	
31	FK052229	03-005C-0043-0000 03-006C-0004-0000	Q100759000 053436 053307		MARY C. BURNSIDE AND JOHN L. BURNSIDE, HER HUSBAND	A. W. WOODFORD AND GEO. E. MCGUIRE	NOT LESS THAN 1/8	33	431	
					GEO. E. MCGUIRE	A. W. WOODFORD	ASSIGNMENT	Unrecorded	Unrecorded	
					A. W. WOODFORD	J. M. GUFFEY AND J. H. GALEY	ASSIGNMENT	33	515	
					J. M. GUFFEY AND J. H. GALEY	THE PHILADELPHIA COMPANY OF WEST VIRGINIA	ASSIGNMENT	44	583	
					THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	ASSIGNMENT	125	379	
					THE PHILADELPHIA COMPANY OF WEST VIRGINIA	THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	DEED	125	371	
					THE PITTSBURGH AND WEST VIRGINIA GAS COMPANY	EQUITABLE GAS COMPANY	DEED	216	185	
					EQUITABLE GAS COMPANY AND PHILADELPHIA OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	246	192	
					HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89	
					CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127	
					CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
					CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154	
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57	
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848	
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1	
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170	
					DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
						DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
						DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
	DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220					
30	FK053143	03-006C-0003-0000 03-006C-0003-0002	Q101021000		J. S. HALL AND CORA A. HALL, HIS WIFE	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	94	
					SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	127	
					HOPE NATURAL GAS COMPANY	RESERVE GAS COMPANY	ASSIGNMENT	79	370	
					RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202	
					HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89	
					CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127	
					CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS		
					CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154	
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57	
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848	
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1	
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170	
					DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS		
						DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
						DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
						DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
						DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
			LOMAN E. GARRETT AND VIRGINIA G. GARRETT, HIS WIFE; CHARLES M. GARRETT, JR. AND HILDA L. GARRETT, HIS WIFE; JOHN E. GARRETT AND HELEN HALL GARRETT, HIS WIFE; AND, JOSEPH R. GARRETT AND RUTH G. GARRETT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	217	101			

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FK064315
FK063041
FK064889
FK066141
FK052956

03-005C-0049-0000
06-006C-0001-0000

Q100359000
Q100596000
Q100860000

FRANK MCCLUNG, WIDOWER; DORTHY MCCLUNG; GARNETTA MCCLUNG; MARY STOUT AND HENRY STOUT, HER HUSBAND; WILDA L. BERG AND HENRY B. BERG, HER HUSBAND; HAROLD O. MCCLUNG; KENNETH E. MCCLUNG AND EVELYN MCCLUNG, HIS WIFE; AND KATHRYN L. WARE AND DENCIL L. WARE, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	221	100
MABEL LITTON AND C. C. LITTON, HER HUSBAND; GLADYS I. LEGGETT AND WALLACE E. LEGGETT, HER HUSBAND; ELZA H. WAYBRIGHT AND JANET M. WAYBRIGHT, HIS WIFE; RAYMOND LLOYD WAYBRIGHT AND INEZ WAYBRIGHT, HIS WIFE; RALPH WAYBRIGHT AND INA WAYBRIGHT, HIS WIFE; ORAL R. WAYBRIGHT AND AUDREY F. WAYBRIGHT, HIS WIFE; WILMA T. SHEETS, WIDOW, WILMA T. SHEETS (GUARDIAN FOR JUDITH BELL); DOLLIE FAUBER AND R. L. FAUBER, HER HUSBAND; AILEEN S. MCCUNE AND J. F. MCCUNE, HER HUSBAND; DESSIE LEGGETT AND WILLIE LEGGETT, HER HUSBAND; W. A. MORRIS AND CLARA MORRIS, HIS WIFE; LAURA PARSONS, LLOYD T. MORRIS AND MILDRED MORRIS, HIS WIFE; O. J. EDWARDS, WIDOWER; PAUL EDWARDS AND ROSE ANN EDWARDS, HIS WIFE; JESSIE COX AND RAYMOND COX, HER HUSBAND; WOODROW EDWARDS AND DORIS R. EDWARDS, HIS WIFE; THURMAN L. EDWARDS AND MARGUERETTE EDWARDS, HIS WIFE; CECIL MORRIS AND ELEANOR MORRIS, HIS WIFE; PHILIP EDWARDS AND JUANITA EDWARDS, HIS WIFE; FLODIE LOVE AND OTIS LOVE, HER HUSBAND; W. J. EDWARDS AND MILDRED EDWARDS, HIS WIFE; GERTRUDE ILES AND RUDOLPH ILES, HER HUSBAND; MAPLE LONAS AND JOSEPH LONAS, HER HUSBAND; SADIE R. CARR AND E.R. CARR, HER HUSBAND; SELAH WYATT AND H. L. WYATT, HER HUSBAND; JUDITH BALL AND JOLONE BALL, HER HUSBAND; CURTIS R. SHEETS AND FRANCES SHEETS, HIS WIFE; AND NELLIE C. SHEETS	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	225	149
SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	277	532
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
STEPHEN P. QUEEN AND V. C. QUEEN, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	297
RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	CONFIRMATORY DEED	155	202
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57

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27	FK088078 FK053253	03-006B-0010-0000 p/o 03-006C-0003-0000	Q100485000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	NOT LESS THAN 1/8	692	570
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
28	FK053239	03-006B-0008-0000, 03-006B-0007-0000	Q100278000 Q100931000 Q09876000	Silas E. Gochenour and Emzy Gochenour, his wife	Reserve Gas Company	NOT LESS THAN 1/8	68	273
				Reserve Gas Company	Hope Natural Gas Company	CONFIRMATORY DEED	155	202
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
				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
5	FK061784	03-006B-0006-0000	Q100356000	WILL E. MORRIS AND CAMELLA MORRIS, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	209	432
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
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				
				RUBY L. KLINGER (ALSO KNOWN AS RUBY KALLAS) AND ROBERT E. KLINGER, HER HUSBAND; HELEN L. LANG AND JUNIOR A. LANG, HER HUSBAND; JOSEPHINE TRAVIS AND RAYMOND TRAVIS, HER HUSBAND; AND, HAROLD E. OLDAKER, SINGLE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	216	238
				CHARLES M. GARRETT AND DELPHIA GARRETT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	216	329
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127

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 Environmental Protection

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3	FK062880 FK062963	03-005B-0039-0000	Q100289000 Q100695000	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	171	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527
				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
				4	FK053127	p/o 03-006B-0005-0000 p/o 03-006B-0039-0000	Q100382000	IRA L. QUEEN AND EFFIE QUEEN
T.N. BARNSDALL, SOUTHERN OIL COMPANY, FRED S. RICH, AND W.S. MOWRIS	RESERVE GAS COMPANY	ASSIGNMENT	85					106
HOPE NATURAL GAS COMPANY AND RESERVE GAS COMPANY	CRUDE OIL COMPANY	ASSIGNMENT	55					456
CRUDE OIL COMPANY	HOPE NATURAL GAS COMPANY AND RESERVE GAS COMPANY	ASSIGNMENT	55					315
RESERVE GAS COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	155					202
HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294					89
CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425					127
CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS					
CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672					154
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684					57
DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712					848
CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717					1
NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722					170
DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS					
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723					499
DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723					527
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				
6	FK062406	p/o 03-006B-0005-0000	Q100939000	CLARA E. QUEEN AND G. L. QUEEN, HER HUSBAND; L. EARL GARRETT AND VIRGINIA G. GARRETT, HIS WIFE; JOHN E. GARRETT, SINGLE; JOSEPH R. GARRETT AND RUTH G. GARRETT, HIS WIFE; CHARLES M. GARRETT, JR. AND HILDA W. GARRETT, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	213	275
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS	
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	NOT LESS THAN 1/8	692	570
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	

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16	FK062946	03-005B-0041-0000	<table border="1"> <tr> <td>Q100941000</td> <td>FLODIA B. SMITH AND D. I. SMITH, HER HUSBAND; W. H. OLDAKER AND FREEDA OLDAKER, HIS WIFE; AND, EDITH W. WESTFALL AND CHARLES E. WESTFALL, HER HUSBAND</td> <td>HOPE NATURAL GAS COMPANY</td> <td>NOT LESS THAN 1/8</td> <td>216</td> <td>317</td> </tr> <tr> <td></td> <td>HOPE NATURAL GAS COMPANY</td> <td>CONSOLIDATED GAS SUPPLY CORPORATION</td> <td>CONFIRMATORY DEED</td> <td>294</td> <td>89</td> </tr> <tr> <td></td> <td>CONSOLIDATED GAS SUPPLY CORPORATION</td> <td>CONSOLIDATED GAS TRANSMISSION CORPORATION</td> <td>ASSIGNMENT</td> <td>425</td> <td>127</td> </tr> <tr> <td></td> <td>CONSOLIDATED GAS TRANSMISSION CORPORATION</td> <td>CNG TRANSMISSION CORPORATION</td> <td>MERGER/NAME CHANGE</td> <td>WVSOS</td> <td></td> </tr> <tr> <td></td> <td>CNG TRANSMISSION CORPORATION</td> <td>DOMINION TRANSMISSION, INC.</td> <td>MERGER/NAME CHANGE</td> <td>WVSOS</td> <td></td> </tr> <tr> <td></td> <td>DOMINION TRANSMISSION, INC.</td> <td>CNX GAS COMPANY LLC</td> <td>MEMORANDUM OF FARMOUT AGREEMENT</td> <td>672</td> <td>154</td> </tr> <tr> <td></td> <td>CNX GAS COMPANY LLC</td> <td>NOBLE ENERGY, INC.</td> <td>LIMITED PARTIAL ASSIGNMENT (50%)</td> <td>684</td> <td>57</td> </tr> <tr> <td></td> <td>DOMINION TRANSMISSION, INC.</td> <td>CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.</td> <td>PARTIAL ASSIGNMENT (32%)</td> <td>712</td> <td>848</td> </tr> <tr> <td></td> <td>CNX GAS COMPANY LLC</td> <td>NOBLE ENERGY, INC.</td> <td>ASSIGNMENT</td> <td>717</td> <td>1</td> </tr> <tr> <td></td> <td>NOBLE ENERGY, INC.</td> <td>HG ENERGY II APPALACHIA, LLC</td> <td>ASSIGNMENT</td> <td>722</td> <td>139</td> </tr> <tr> <td></td> <td>DOMINION TRANSMISSION, INC.</td> <td>DOMINION ENERGY TRANSMISSION, INC.</td> <td>MERGER/NAME CHANGE</td> <td>WVSOS</td> <td></td> </tr> <tr> <td></td> <td>DOMINION ENERGY TRANSMISSION, INC.</td> <td>HG ENERGY II APPALACHIA, LLC</td> <td>SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT</td> <td>723</td> <td>499</td> </tr> <tr> <td></td> <td>DOMINION ENERGY TRANSMISSION, INC.</td> <td>HG ENERGY II APPALACHIA, LLC</td> <td>AMENDED AND RESTATED PARTIAL ASSIGNMENT</td> <td>723</td> <td>527</td> </tr> <tr> <td></td> <td>DOMINION ENERGY TRANSMISSION, INC.</td> <td>HG ENERGY II APPALACHIA, LLC</td> <td>THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT</td> <td>734</td> <td>558</td> </tr> <tr> <td></td> <td>DOMINION ENERGY TRANSMISSION, INC.</td> <td>HG ENERGY II APPALACHIA, LLC</td> <td>ASSIGNMENT (68%)</td> <td>736</td> <td>220</td> </tr> </table>	Q100941000	FLODIA B. SMITH AND D. I. SMITH, HER HUSBAND; W. H. OLDAKER AND FREEDA OLDAKER, HIS WIFE; AND, EDITH W. WESTFALL AND CHARLES E. WESTFALL, HER HUSBAND	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	216	317		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89		CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127		CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS			CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS			DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139		DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS			DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499		DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	AMENDED AND RESTATED PARTIAL ASSIGNMENT	723	527		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
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Q100725000	LIZZIE B. CONLEY	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	227	305																																																																																								
	HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89																																																																																								
	CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127																																																																																								
	CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	WVSOS																																																																																									
	CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS																																																																																									
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154																																																																																								
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57																																																																																								
	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY	PARTIAL ASSIGNMENT (32%)	712	848																																																																																								
	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1																																																																																								
	NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170																																																																																								
	DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS																																																																																									

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				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
				OMA G. HALL, SINGLE; MARIE P. HALL, WIDOW; EVELYN H. TAYLOR, WIDOW; BERTHA H. MILLER AND A.D. MILLER, HER HUSBAND; CHARLES R. HALL, SINGLE; HELEN M. HALL, SINGLE; PAMELA H. SHANKLIN AND WM. M. SHANKLIN, JR., HER HUSBAND; GERTRUDE BEALL AND BLAIR B. BEALL, HER HUSBAND; HELEN MCCOY, SINGLE; AND, ADA B. HALL, WIDOW	CONSOLIDATED GAS SUPPLY CORPORATION	NOT LESS THAN 1/8	1032	683
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1136	250
				CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG DEVELOPMENT COMPANY	ASSIGNMENT	1143	921
				CNG DEVELOPMENT COMPANY	CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	1169	820
				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 OF 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
				NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	1600	692
				DOMINION TRANSMISSION, 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 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
14	FK097991	20-0442-0007-0000 20-0442-0007-0001 20-0442-0007-0002 20-0442-0008-0000 20-0442-0008-0001 20-0442-0008-0003 20-0422-0032-0000	Q100844000 FEEHGII0055					

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Office of Oil and Gas
FEB 03 2021
WV Department of
Environmental Protection

4704105708



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

4704105708

January 19, 2021

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

RE: Evans 1213 N-1H Request for Permit Revision – (47-041-05708)
Freemans Creek District, Lewis County, West Virginia
Request for Modification Due to Acquiring Additional Leases

Dear Ms. Kees -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic and WW6A-1) for the 1213 N-1H well work drill permit. We request the permit be modified to reflect additional leases acquired to length the lateral.

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

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Barry Stollings – DEP State Inspector

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Office of Oil and Gas

FEB 03 2021

WV Department of
Environmental Protection

03/26/2021

Permit Modification

Received date: 2/3/21

Well Name: N-1H

Operator: HG

API: 41-05708

Pad Name: EVANS

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	✓	6760
TMD	24050	24337
HL	16050	17088
FW	✓	60, 136, 151, 200
SW	✓	220, 445, 650, 800
COAL	✓	.
CONDUCTOR	✓	120
FRESHWATER	✓	1100
INTERMEDIATE 1	✓	2100
INTERMEDIATE 2	✓	2900
PRODUCTION	24050	24337

SW
NOT
found

Notes:

31 ① 6C/4 ✓	6 6B/5 ✓
26 ② 6C/2 miss	16 ③ 5B/4
30 ④ 6C/3 ✓	20 5B/36, 6B/4 ✓
29 ⑤ 6C/1 ✓	18 5B/35 ✓
27 ⑥ 6B/10 ✓	14 442/8.3 ✓
28 ⑦ 6B/8, 6B/7 ✓	
5 ⑧ 6B/6 ✓	
3 ⑨ 5B/39 ✓	
4 ⑩ 6B/5 ✓	