



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, November 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 S-7H
47-041-05723-00-00

Extended 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 S-7H
Farm Name: JAMES M. & SUZANNE L. EVANS, III
U.S. WELL NUMBER: 47-041-05723-00-00
Horizontal 6A New Drill
Date Modification Issued: 11/18/2021

Promoting a healthy environment.

11/19/2021

WW-6B
(04/15)

API NO. 47- _____
OPERATOR WELL NO. Evans 1213 S-7H
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.

<u>494519932</u>	<u>Lewis</u>	<u>Freeman</u>	<u>Camden 7.5'</u>
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Operator ID County District Quadrangle

2) Operator's Well Number: Evans 1213 S-7H 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

SDW
10/22/2021

6) Existing Pad: Yes or No No

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: 26,703'

11) Proposed Horizontal Leg Length: 18,722'

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

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

OCT 28 2021

WV Department of
Environmental Protection

WW-6B
(04/15)

API NO. 47- _____
 OPERATOR WELL NO. Evans 1213 S-7H
 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'	40% Excess, CTS
Intermediate 1	13 3/8"	NEW	J-55 BTC	68	2100'	2100'	40% Excess, CTS
Intermediate 2	9 5/8"	NEW	N-80 BTC	40	4900'	4900'	40% Excess Tail, CTS
Production	5 1/2"	NEW	P-110 HP	23	26703'	26703'	20% Excess Tail, CTS
Tubing							
Liners							

SDW
10/22/2021

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	30"	.500				Drilled In
Fresh Water/Coal	20"	26"	.438	2110	1200	Type 1, Class A	40 % excess yield = 1.20, CTS
Intermediate 1	13 3/8"	17 1/2"	.480	3450		Type 1/Class A	Lead 40% excess, Tail 0% excess
Intermediate 2	9 5/8"	12 1/4"	.395	5750		Type 1/Class A	Lead 40% excess, Tail 0% Excess
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/Class A	27% excess yield = 1.15, tail yield 1.24
Tubing							
Liners							

PACKERS

Kind:				RECEIVED Office of Oil and Gas
Sizes:				OCT 28 2021
Depths Set:				WV Department of Environmental Protection

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 18,722' lateral length, 26,703' 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 - 15.8 ppg PNE-1 + 3% bwoc CaCl₂, 40% Excess Yield = 1.20, CTS
Intermediate 1 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, CTS
Intermediate 2 - Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl₂, 40% Excess, Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl₂ zero% Excess, CTS
Production - Lead: 14.5 ppg 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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Office of Oil and Gas

OCT 28 2021

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Environmental Protection

*Note: Attach additional sheets as needed.



1213 S-7H
Marcellus Shale Horizontal
Lewis County, WV

1213 S-7H SHL

14205067.26N 1778006.97E

Ground Elevation

1227.6'

1213 S-7H LP

14205358.85N 1780140.5E

Azm

161.921 / 156.645°

1213 S-7H BHL

14187728.06N 1786370.55E

WELLBORE DIAGRAM

HOLE

CASING

GEOLOGY

TOP

BASE

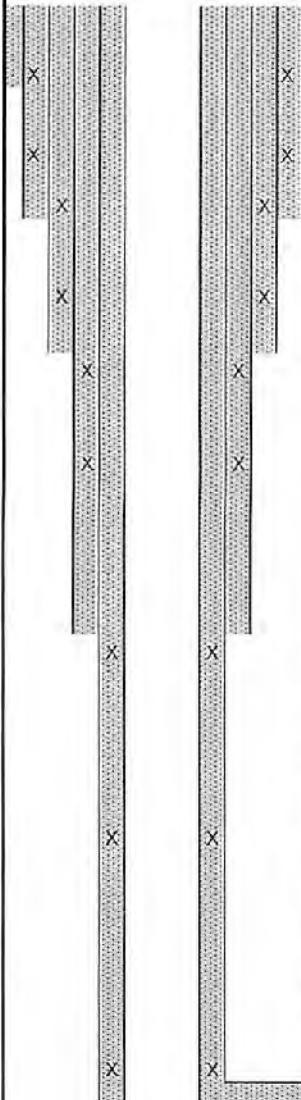
MUD

CEMENT

CENTRALIZERS

CONDITIONING

COMMENTS



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 = 0.436" wall thickness Burst=2110 psi
		Kittaning 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					
		Fifty / Thirty Foot	1976 / 2075	1996 / 2102					
12.25"	9-5/8" 40# N-60 BTC	Gordon Strey / Gordon	2120 / 2156	2154 / 2232	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=5750 psi
		5th Sand	2369	2409					
		Bayard / Warren	2449 / 2771	2479 / 2796					
		Speechley	3076	3095					
		Balltown	3286	3346					
		Benson	4386	4411					
		Intermediate 2	0	TVD: 4600 MD: 4900 Inc. 32 deg.					
8.75"					AIR / 9.0ppg SOBMB	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
		Rhinesstreet	6009	6279					
		Cashaqua	6279	6379					
8.5" Curve	5-1/2" 23# P-110 HP CDC HTQ	Middlesex	6379	6411	11.5ppg-12.5ppg SOBMB		Run 1 spiral centralizer every 3 joints from the 1st 5.5' long joint to the top of the curve.		
		West River	6411	6482					
		Burkett	6482	6492					
		Tully Limestone	6492	6600					
		Hamilton	6600	6753					
8.5" Lateral		Marcellus	6709	6791	11.5ppg-12.5ppg SOBMB				
		TMD / TVD (Production)	26703	6760					
		Onondaga	6791						

LP @ 6760' TVD / 7981' MD

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

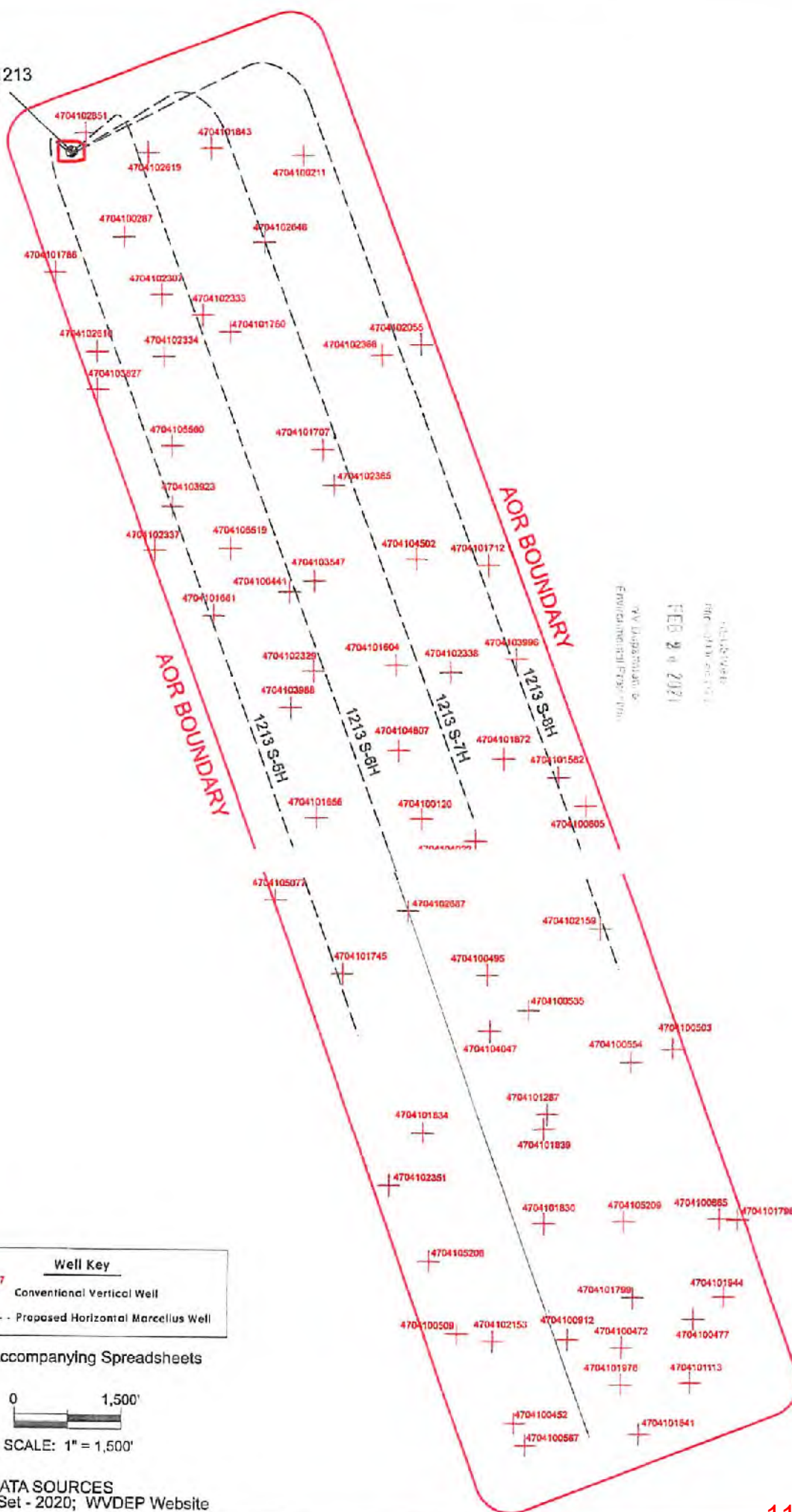
+/-10722' ft Lateral

TD @ +/-6760' TVD
+/-26703' MD

Centralizers



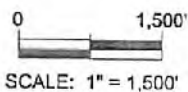
EVANS 1213
PAD



WV Department of
Environmental Protection
FEB 24 2021
10:00 AM EST

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

See Accompanying Spreadsheets



DATA SOURCES
WVGES Data Set - 2020; WVDEP Website

11/19/2021

Area of Review for:

EVANS 1213 SOUTH UNIT
 Proposed 1213 S-5H Proposed 1213 S-6H
 Proposed 1212 S-7H Proposed 1213 S-8H

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



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

1/26/2021

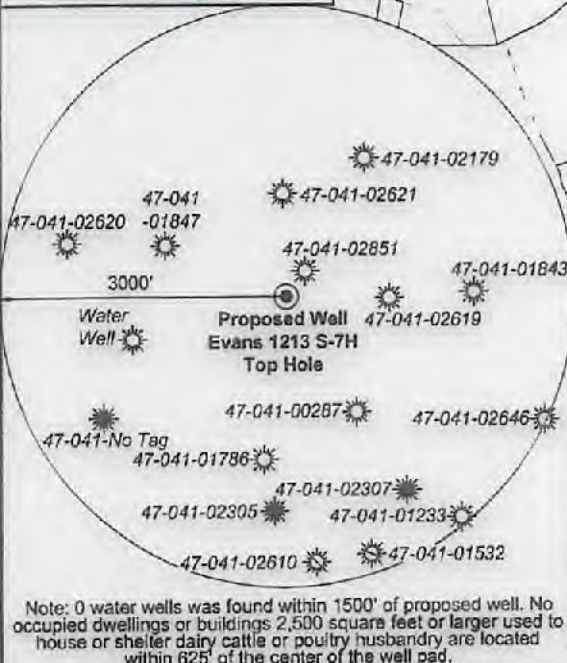
EXISTING WELLS LOCATED WITHIN THE AREA OF REVIEW FOR:
EVANS 1213 SOUTH UNIT AND PROPOSED WELLS S-5H, S-6H, S-7H & S-8H

CT	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
1	4704100120	Lewis	I W Morris	Dominion Energy Transmission, Inc.	Big Injun (Gmb)	Dry w/ Gas Show	1642	PLUGGED	39.089997	-80.428156
2	4704100211	Lewis	J S Morris	Dominion Energy Transmission, Inc	Hampshire Grp	Storage	2010	ACTIVE	39.115375	-80.529358
3	4704100287	Lewis	M C Burnside	Dominion Energy Transmission, Inc	ETH	Storage	2322	ACTIVE	39.112330	-80.512384
4	4704100241	Lewis	Pearl Stahlhaker 2	UNKNOWN	Up Devonian	Gas	2440	ABANDONED	39.098698	-80.504468
5	4704100457	Lewis	Lyle Randolph et al	Diversified Resources, Inc.	Hampshire Grm	Gas w/ Oil Show	1885	ACTIVE	39.057474	-80.429364
6	4704100472	Lewis	J L Billiey Heirs 1	Doran Resources, Inc.	Price Frn & equivs	Gas	1413	ACTIVE	39.070419	-80.483579
7	4704100477	Lewis	Judson Bailey 1	Lew, David W.	Big Injun (Gmb)	not available	-	ABANDONED	39.071500	-80.485059
8	4704100495	Lewis	S H Bailey 1	David Boyver	Price Frn & equivs	Gas w/ Oil Show	1456	ACTIVE	39.084270	-80.493140
9	4704100503	Lewis	J J Bailey 2	Geo Energy LLC	Price Frn & equivs	Gas w/ Oil Show	1385	ACTIVE	39.050331	-80.486944
10	4704100509	Lewis	V Green	LurRay Land, Inc.	Hampshire Grm	Dry w/ Gas Show	2629	PLUGGED	39.070954	-80.496557
11	4704100535	Lewis	S H Bailey 2	David Boyver	Price Frn & equivs	Gas	1427	ACTIVE	39.083397	-80.493154
12	4704100554	Lewis	Douglas Gatcher Hrs 1	Uplizon Petroleum, Inc	Price Frn & equivs	Gas	1477	ACTIVE	39.081324	-80.483206
13	4704100567	Lewis	V Green	LurRay Land, Inc.	Undr PRICE h/w MIN	Gas	1554	PLUGGED	39.056604	-80.493305
14	4704100605	Lewis	L Decker	Boyver, Hall and Weitzel	Price Frn & equivs	Gas	1781	PLUGGED	39.090446	-80.480179
15	4704100655	Lewis	J L Bailey Heirs 2	Doran Resources, Inc	Price Frn & equivs	Gas	1481	ACTIVE	39.075325	-80.483775
16	4704100912	Lewis	T Lee Hudkins	Alliance Petroleum Co. LLC	Big Injun (Gmb)	Gas	1536	ACTIVE	39.070727	-80.491272
17	4704101113	Lewis	Leiter Linger	Alliance Petroleum Co. LLC	Big Injun (Gmb)	Gas	1586	ACTIVE	39.059055	-80.495195
18	4704101287	Lewis	T L Hudkins	Charly Gas, Inc.	Undr PRICE h/w MIN	Gas	1686	ABANDONED	39.079366	-80.492196
19	4704101532	Lewis	James R/Mary L Myers	Alliance Petroleum Co. LLC	Greenland Gap Frm	Gas	4520	ACTIVE	39.031520	-80.491493
20	4704101604	Lewis	William I. Reff	Alliance Petroleum Co. LLC	Brallier	Gas	4300	ACTIVE	39.085839	-80.499312
21	4704101656	Lewis	James R. Myers	Alliance Petroleum Co. LLC	Benson	Gas	4226	ACTIVE	39.090080	-80.503268
22	4704101661	Lewis	James H Hill Trst	Dominion Energy Transmission, Inc	Greenland Gap Frm	Gas	4393	ACTIVE	39.097216	-80.503177
23	4704101707	Lewis	Alvan Gaston	Dominion Energy Transmission, Inc	Benson	Gas	4280	ACTIVE	39.104124	-80.502768
24	4704101745	Lewis	J W Kemper	Alliance Petroleum Co. LLC	Benson	Gas	4511	ACTIVE	39.094753	-80.502277
25	4704101760	Lewis	L E Gail	Dominion Energy Transmission, Inc.	Benson	Gas	4380	ACTIVE	39.108664	-80.507231
26	4704101786	Lewis	James Morrow Evans	Dominion Energy Transmission, Inc.	Greenland Gap Frm	Gas	4450	ACTIVE	39.111007	-80.515906
27	4704101798	Lewis	J L Bailey Heirs	Ross & Wharton Gas Co., Inc.	Benson	Gas	4302	ACTIVE	39.075283	-80.482885
28	4704101799	Lewis	J L Bailey Heirs	James B. Lambert	Benson	Gas	4280	ABANDONED	39.072326	-80.488097
29	4704101830	Lewis	T Lee Hudkins 2	Greylock Conventional, LLC	Benson	Gas	4247	ACTIVE	39.075160	-80.492380
30	4704101834	Lewis	T Lee Hudkins 1	Greylock Conventional, LLC	Benson	Gas	4400	ACTIVE	39.078640	-80.498335
31	4704101839	Lewis	T Lee Hudkins 3	Greylock Conventional, LLC	Benson	Gas	4366	ACTIVE	39.078705	-80.492382
32	4704101841	Lewis	E L M S Wolfe	Blexton Oil & Gas Corp.	Benson	Gas	4375	ACTIVE	39.057039	-80.487725
33	4704101843	Lewis	Thomas R Zinn et al	Dominion Energy Transmission, Inc.	Greenland Gap Frm	Gas	4545	ACTIVE	39.115681	-80.508049



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

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



Note: 0 water wells was found within 1500' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



7,837' to Bottom Hole
4,278' to Top Hole
TOP LATITUDE 39 - 07 - 30
BTM LATITUDE 39 - 05 - 00
TOP LONGITUDE 80 - 30 - 30
BTM LONGITUDE 80 - 27 - 30
3,469' to Top Hole
5,684' to Bottom Hole

Tag	Bearing	Dist.	Description
L1	N 89°55' W	1,059.3'	#47-041-02619
L2	S 66°53' E	1,366.9'	#47-041-01847
L3	S 28°15' E	525.9'	Gate Post
L4	S 11°33' E	2,492.6'	5/8" Rebar w/cap
L5	N 82°13' E	2,153.4'	Landing point

FILE NO: 235-36-12-19
DRAWING NO: Evans 1213 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: October 20 2021
OPERATOR'S WELL NO. Evans 1213 S-7H
API WELL NO MOD
47 - 041 - 05723
STATE COUNTY PERMIT

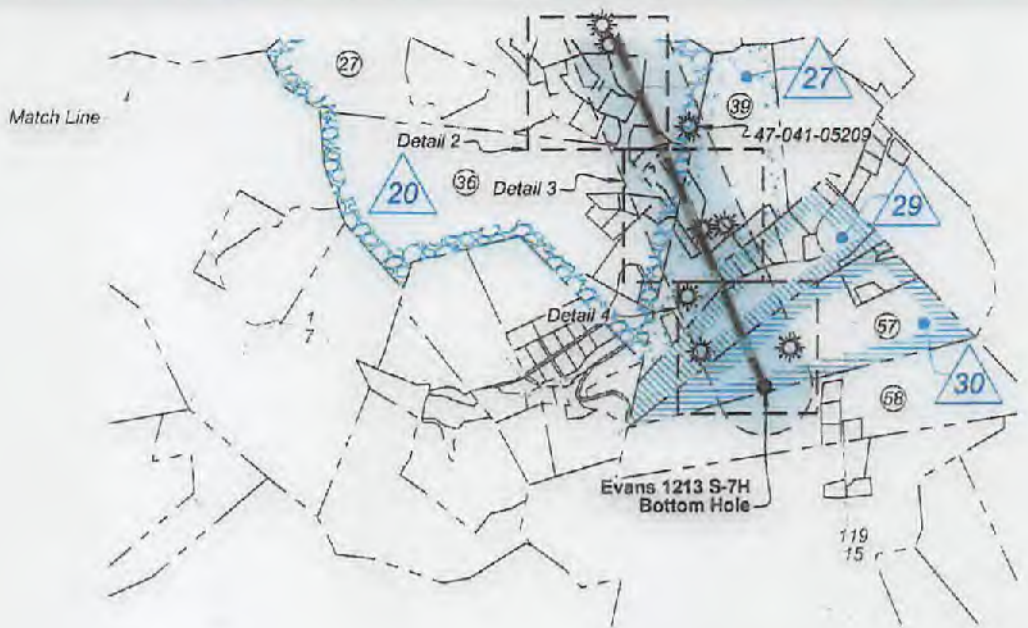
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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

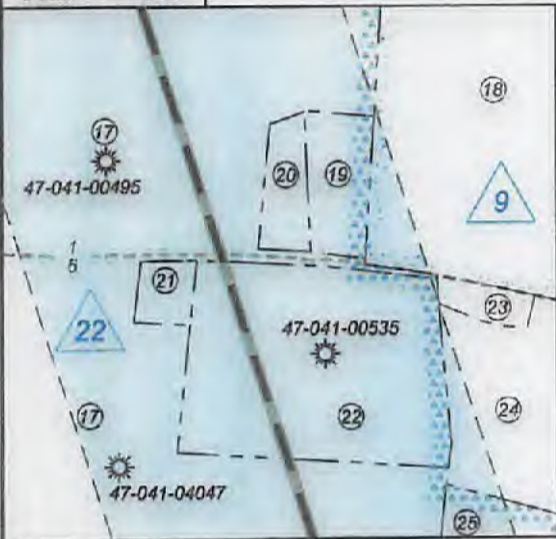
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ BH-MOD _____ 6,760' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,703' TMD

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

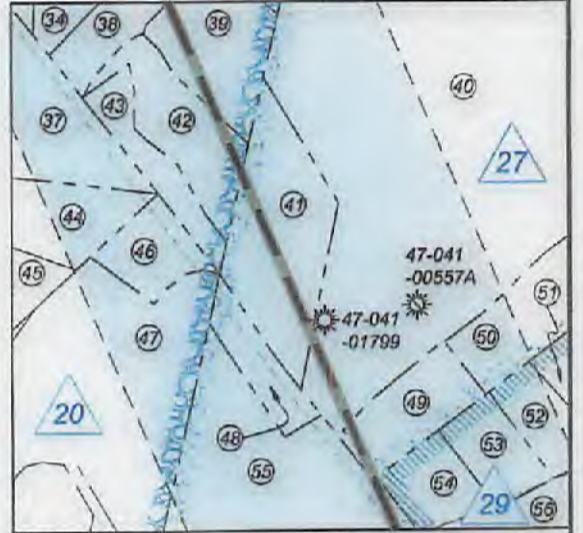
11/19/2021



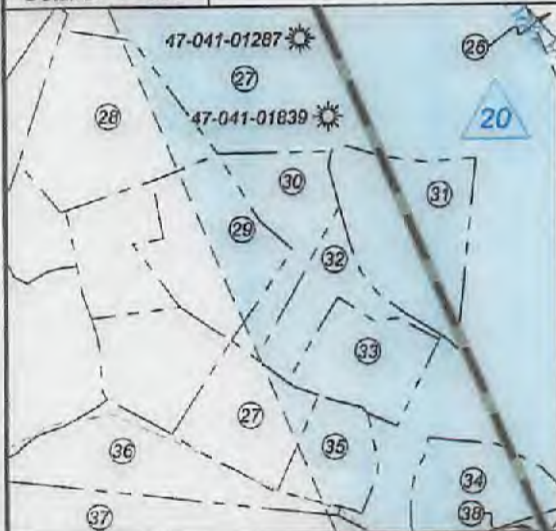
Detail 1 - 1"=500'



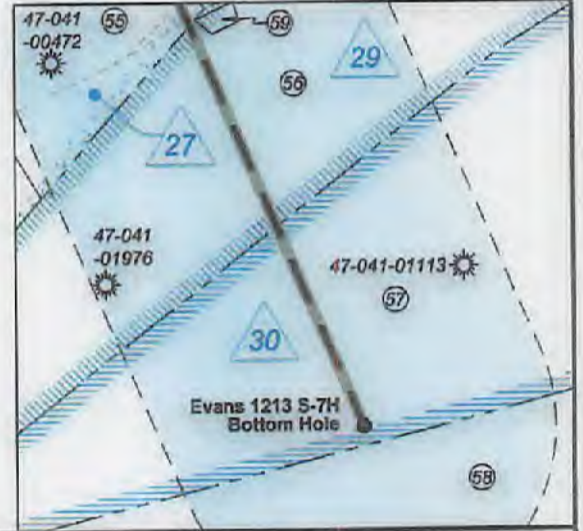
Detail 3 - 1"=500'



Detail 2 - 1"=500'



Detail 4 - 1"=500'



FILE NO: 235-36-12-19
DRAWING NO: Evans 1213 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: October 20 2021
OPERATOR'S WELL NO. Evans 1213 S-7H
API WELL NO ^{M&D}
47 - 041 - 05723
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: Suzanne L. Evans & James M., III

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

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ BH-MOD _____ 6,760' TVD

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 26,703' TMD

Btm: Weston
QUADRANGLE: Top: Camden
COUNTY: Lewis
ACREAGE: 294.00

WELL OPERATOR: HG Energy II Appalachia, LLC

ADDRESS: 5260 Dupont Road

Parkersburg, WV 26101

DESIGNATED AGENT: Diane C. White

ADDRESS: 5260 Dupont Road

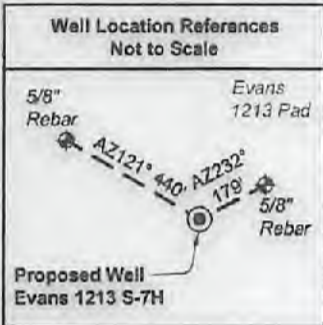
Parkersburg, WV 26101

11/19/2021



ID	Lease
2	J.S. Norris
4	Mary C. Burnside, et vir
5	Abram Gasion
7	L.E. & Henrietta Gall
9	John W. Norris
10	Margaret F. Shutts
20	T. Leo & S.V. Hudkins
22	S.H. Bailey, widower, et al
27	D.B. & Edna Bailey, et al
29	Lydia L. Bailey, et al
30	Lester & Fleda E. Linger, et al

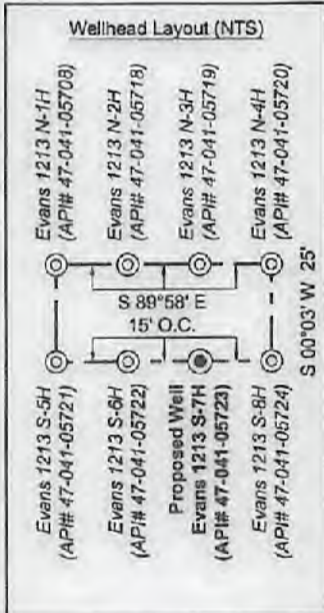
Notes:
Well No. Evans 1213 S-7H
UTM NAD 1983 (USSF)
Top Hole Coordinates
N: 14,205,067.26'
E: 1,778,006.97'
Landing Point Coordinates
N: 14,205,358.85'
E: 1,780,140.50'
Deflection Point Coordinates
N: 14,192,358.20'
E: 1,784,384.44'
Bottom Hole Coordinates
N: 14,187,728.05'
E: 1,786,370.55'



Notes: Well No. Evans 1213 S-7H
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Top Hole coordinates Bottom Hole coordinates
Latitude: 39°08'55.71" Latitude: 39°04'03.81"
Longitude: 80°30'54.29" Longitude: 80°29'09.39"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,329,713.160m N: 4,324,428.162m
E: 541,937.608m E: 544,488.833m
Plat orientation and corner and well references are
based upon the grid north meridian. Well location
references are based upon the magnetic meridian.

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.)



Lewis Co. - Freeman Creek Dist.				
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3	6C / 3	Phillip E. Burnside, et al	666 / 38	87.20
4	6C / 2	John K. Burnside & Wade E. Burnside	W32 / 225	17.00
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6	6C / 20	Eastern Gas Transmission & Storage Inc.	111 / 361	25.14
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8	6C / 9	Bradford A. & Michelle D. Taylor	762 / 891	63.00
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23	6D / 71.1	Amy M. Pruitt	582 / 740	0.48
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29	6E / 13.8	Steve & Linda Cornell	592 / 490	2.48
30	6E / 13.16	Steve & Linda Cornell	644 / 39	1.66
31	6E / 13.17	James B. & Bobbie A. Davisson	656 / 403	2.93
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33	6E / 13.11	Samuel & Carol England	884 / 240	1.69
34	6E / 13.14	Robert C. Dodson	605 / 373	2.04
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57	6E / 23.1	Joanna E. & Kevin N. Britton	663 / 377	48.58
58	6E / 22.2	Broad Run Baptist Church	314 / 411	53.88
59	6E / 36	Lydia L. Bailey	240 / 481	0.13

FILE NO: 235-36-12-19
DRAWING NO: Evans 1213 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: October 20 2021
OPERATOR'S WELL NO. Evans 1213 S-7H
API WELL NO. MOD
47 - 041 - 05723
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: Suzanne L. Evans & James M., III
ROYALTY OWNER: Mary C. Burnside, et al, et al LEASE NO: ACREAGE: 294.00

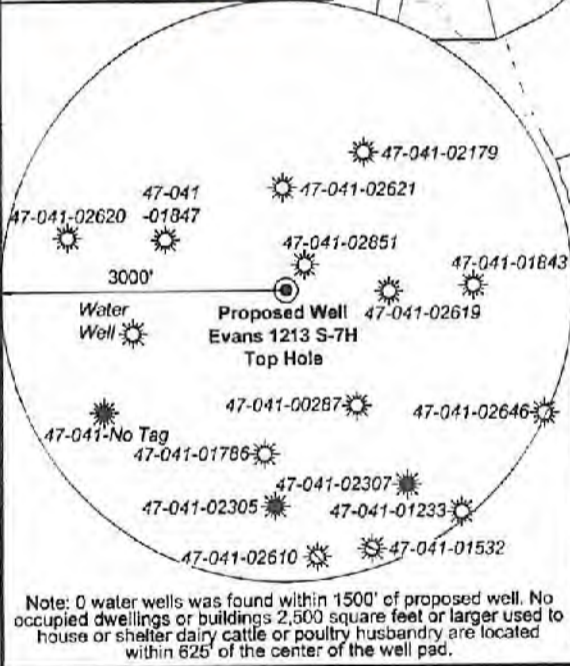
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ BH-MOD _____ 6,760' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 28,703' TMD

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



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
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SCALE: 1" = 2000'
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SURFACE OWNER: Suzanne L. Evans & James M., III COUNTY: Lewis
ROYALTY OWNER: Mary C. Burnside, et al, et al LEASE NO: _____ ACREAGE: 294.00
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Parkersburg, WV 26101 Parkersburg, WV 26101

7,837' to Bottom Hole
4,278' to Top Hole

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

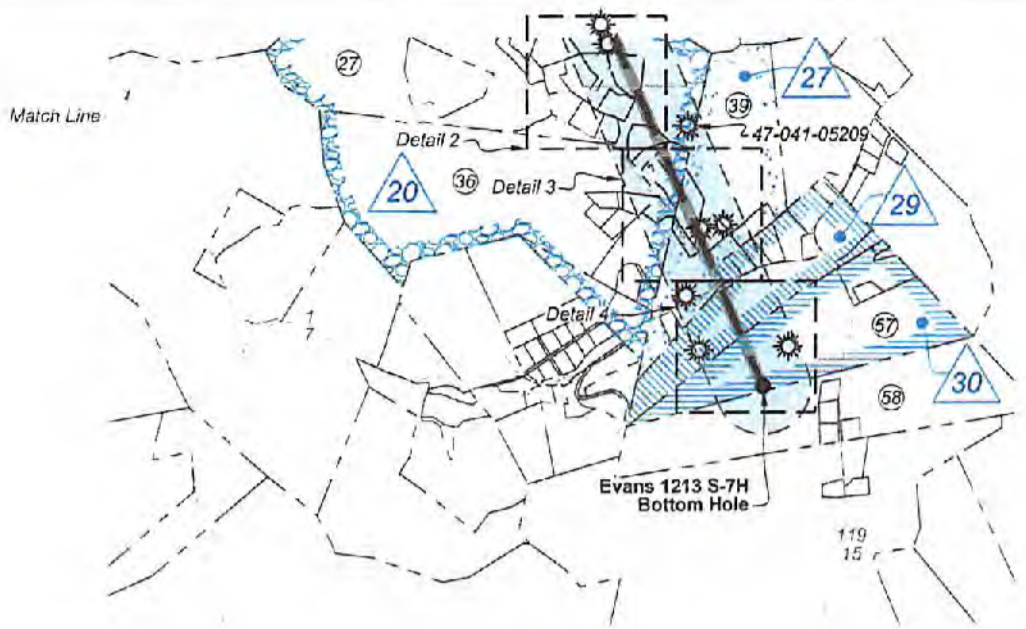
TOP LONGITUDE 80 - 30 - 00
BTM LONGITUDE 80 - 27 - 30
3,469' to Top Hole
5,684' to Bottom Hole



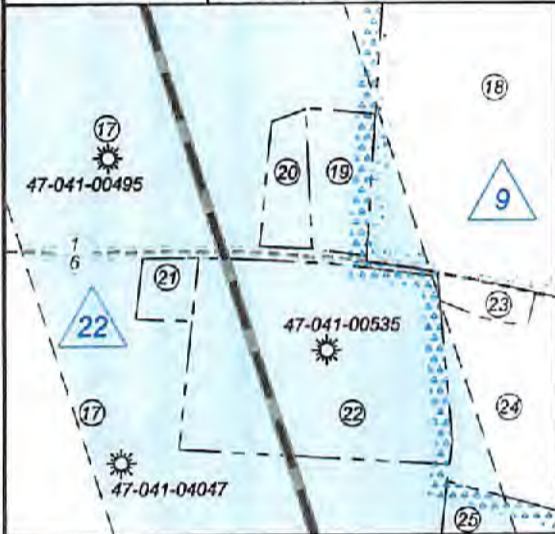
Tag	Bearing	Dist.	Description
L1	N 89°55' W	1,059.3'	#47-041-02619
L2	S 66°53' E	1,386.9'	#47-041-01847
L3	S 28°15' E	525.9'	Gate Post
L4	S 11°33' E	2,492.6'	5/8" Rebar w/cap
L5	N 82°13' E	2,153.4'	Landing point

RECEIVED
Office of Oil and Gas
OCT 28 2021
WV Department of Environmental Protection

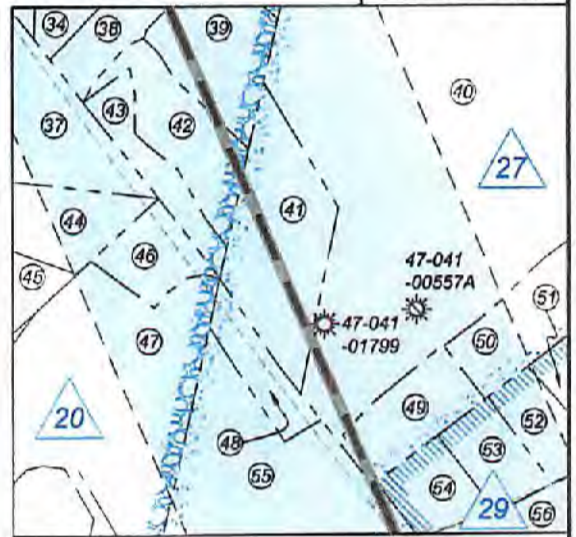
GRID NORTH
Match Line



Detail 1 - 1"=500'

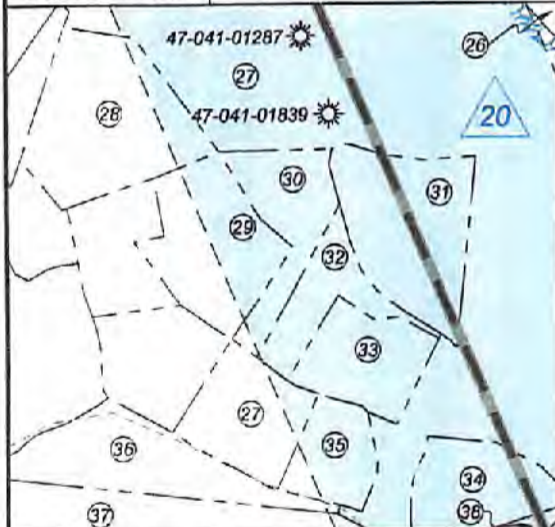


Detail 3 - 1"=500'

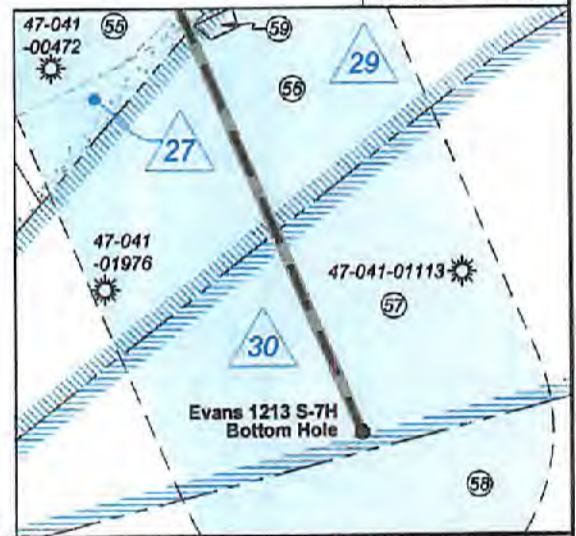


RECEIVED
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Detail 2 - 1"=500'



Detail 4 - 1"=500'



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DISTRICT: Freemans Creek

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ACREAGE: 294.00

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WELL OPERATOR: HG Energy II Appalachia, LLC
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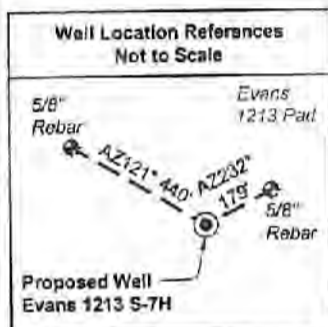
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11/19/2021



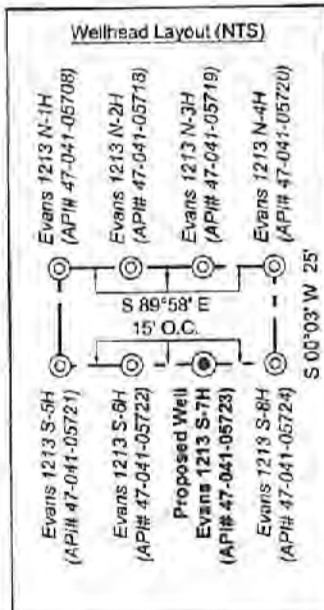
ID	Lease
2	J.S. Norris
4	Mary C. Burnside, et vir
5	Abram Gaston
7	L.E. & Henrietta Gall
9	John W. Norris
10	Margaret F. Shotts
20	T.Lee & S.V. Hudkins
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API WELL NO
47 - 041 - 05723
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WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White
ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

**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****

REC'D
Office of Oil and Gas

OCT 28 2021

WV Department of
Environmental Protection

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

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

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

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

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

HG Energy II Appalachia, LLC - 1213 S-7H LEASE CHAIN

TRACT #1213S	LEGACY LEASE NUMBER	TAX MAP Office of Oil and Gas	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAGE
4	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
				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
2	FK053129	03-006C-0021-0000 03-006C-0002-0000 03-006C-0019-0000	Q100767000	J. S. NORRIS	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	42	121
				SOUTH PENN OIL COMPANY	HOPE NATURAL GAS COMPANY	ASSIGNMENT	85	122
				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	139
				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	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				
				ABRAHAM GASTON	RESERVE GAS COMPANY	NOT LESS THAN 1/8	68	517
				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

5	FK053265	260414000 106712000	RECEIVED Office of Oil and Gas OCT 28 2021	Q101028000/ 053390/ 053429	CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
					DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
					CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	139
					NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
					DOMINION TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
					DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	SECOND AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	723	499
					DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
					DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
					7	FK053159	03-006C-0008-0000 03-006C-0008-0003 03-005C-0009-0000	E	WV Department of Environmental Protection
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	MERGER/NAME CHANGE	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					
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					
10	FK066646	03-006D-0023-0000	Q100313000	E	MARGARET F. SHUTTS	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	242	214
					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	THIRD AMENDMENT TO MEMORANDUM OF FARMOUT AGREEMENT	734	558
					DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
					6	140221000	03-0006-0001-0000 03-0006-0027-0000 03-0006-0028-0000 03-0006-0028-0001 03-0006-0028-0002 03-006D-0021-0000 03-006D-0022-0000 03-006D-0022-0001 03-006D-0055-0000 thru 03-006D-0059-0000	CNV140221000	E
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	ASSIGNMENT	658	715					

	FEEHGI0040 FEEHGI0035	03-006D-0059-0001 03-006D-0060-0000 03-006D-0061-0000 thru 03-006D-0066-0000 p/o 03-006D-0070-0000 03-006D-0096-0000 03-006D-0097-0000 03-006D-0098-0000 03-007D-0042-0000 03-007D-0042-0001	LVA140221000	RECEIVED Office of Oil and Gas OCT 28 2021 WV Department of Environmental Protection	CNX GAS COMPANY LLC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	766 352
					S. H. BAILEY, WIDOWER	C. O. BOWER, JAMES H. HALL, AND OLIN B. WETZEL	NOT LESS THAN 1/8	258 616
					CLARENCE O. BOWER, DECEASED	DAN E. BOWER	WILL	1 616
					OLIN B. WETZEL, DECEASED	EDWINA VERTNER, AS EXECUTRIX	WILL	6 27
					JAMES H. HALL, DECEASED	PATRICIA S. HALL, AND CHILDREN: J STEPHEN HALL, DEBORAH H. LARUE, AND CATHERINE ANN YURA	FIDUCIARY BOOK	19 248
					EDWINA VERTNER, EXECUTRIX OF THE LAST WILL AND TESTAMENT OF OLIN B. WETZEL, DECEASED	J. STEPHEN HALL	ASSIGNMENT (4/32)	447 129
					PATRICIA S. HALL; J. STEPHEN HALL AND LEE A. HALL, HIS WIFE; CATHERINE H. YURA AND MICHAEL T. YURA, HER HUSBAND; AND DEBORAH H. EDDY AND JONATHAN EDDY, HER HUSBAND	JAMES H HALL TRUST; PATRICIA S. HALL AND J. STEPHEN HALL, TRUSTEES	ASSIGNMENT	453 310
					J. STEPHEN HALL AND PATRICIA S. HALL, TRUSTEES OF THE JAMES H. HALL TRUST	CONVEST PRODUCTION COMPANY	PARTIAL ASSIGNMENT (20 ACRES 32 POLES)	487 411
					DAN E. BOWER AND GRACE H. BOWER, HIS WIFE	CONVEST PRODUCTION COMPANY	PARTIAL ASSIGNMENT (20 ACRES 32 POLES)	487 413
					J. STEPHEN HALL AND LEE A. HALL, HUSBAND AND WIFE; J. STEPHEN HALL AND PATRICIA S. HALL AS TRUSTEES OF THE JAMES H. HALL TRUST; AMMONS ENERGY, INC.; DAN E. BOWER AND GRACE H. BOWER, HUSBAND AND WIFE; WILLIAM A. SECH, WIDOWER; FELIX L. MANGARELLI AND SUSAN MANGARELLI, HUSBAND AND WIFE; K. L. JOHANSSSEN AND ELIZABETH Y. JOHANSSSEN, HUSBAND AND WIFE; DONALD L. BUTCHER AS ATTORNEY-IN-FACT FOR DONALD L. BUTCHER, MARTHA S. CARPENTER, LETHA D. BUTCHER, RONALD C. BUTCHER, AMY B. DENT, JUDY S. BUTCHER, AND DOUGLAS D. BUTCHER; JAMES R. BENNETT AS ATTORNEY-IN-FACT FOR HAZEL L. BENNETT, AND LEE M. BAILY AND LUCILLE BAILEY, HUSBAND AND WIFE	SCOTT OIL COMPANY	ASSIGNMENT	489 250
					SCOTT OIL COMPANY	EMAX OIL COMPANY	ASSIGNMENT	489 257
					CONVEST PRODUCTION COMPANY	CONVEST ENERGY CORPORATION	MERGER/NAME CHANGE	489 278
					EMAX OIL COMPANY	CABOT OIL & GAS CORPORATION	ASSIGNMENT	489 264
					CONVEST ENERGY CORPORATION	FUEL RESOURCES AND DEVELOPMENT COMPANY	ASSIGNMENT	463 271
					CABOT OIL & GAS CORPORATION	ENERVEST APPALACHIA LP	CONVEYANCE	489 243
					DAN E. BOWER, DECEASED	GRACE BOWER, AND SON JONATHAN BOWER	AFFIDAVIT OF HEIRSHIP	486 162
					FUEL RESOURCES AND DEVELOPMENT COMPANY	THE HOUSTON EXPLORATION COMPANY	ASSIGNMENT	9 147
					THE HOUSTON EXPLORATION COMPANY	SENECA-UPSHUR PETROLEUM INC	ASSIGNMENT	513 93
					J. STEPHEN HALL, DECEASED	IAN ADDISON HALL AND LOGAN HAMLIN HALL	WILL	513 51
					ENERVEST APPALACHIA LP	CGAS PROPERTIES LP	CONVEYANCE	558 249
					SENECA-UPSHUR PETROLEUM INC	SENECA -UPSHUR PETROLEUM LLC	ASSIGNMENT	14 437
					GRACE BOWER, DECEASED	MARY MATHEWS, PATRICIA TAGGART, MARTHA RANSOM, SARAH FREDERICK, AND JUDY GRANT; AND NIECES DIANE FAY AND KATHLEEN JOLLIE	AFFIDAVIT OF HEIRSHIP	565 376
					IAN ADDISON HALL	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	592 339
					LOGAN HAMLIN HALL	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	24 496
					SENECA -UPSHUR PETROLEUM LLC	HG ENERGY II APPALACHIA, LLC	PARTIAL ASSIGNMENT (20 ACRES 32 POLES)	621 590
					JAMES H HALL TRUST; CATHERINE H. YURA AND DEBORAH H. EDDY, TRUSTEES	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	654 653
					GARY BUSH	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	15 496
					T. LEE HUDKINS AND S. V. HUDKINS, HIS WIFE	RESERVE GAS COMPANY	NOT LESS THAN 1/8	768 474
								768 483
								768 564
								768 311
								774 896
								58 469



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

October 18, 2021

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

RE: Evans 1213 S-7H Request for Permit Revision – (47-041-05723)
Freemans Creek District, Lewis County, West Virginia
Request for Modification Due to Acquiring Additional Leases

Check # 628760
10/22/2021
\$2,500.00

Dear Mr. Blevins -

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic, and WW6A-1) for the requested 1213 S-7H well work permit revision. Also included is a check to cover the cost of requesting a modification for an existing permit. We ask the permit be modified to reflect additional leases acquired to lengthen the lateral.

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

Very truly yours,

Diane White

Diane C. White

Enclosures

cc: Sam Ward – DEP State Inspector

RECEIVED:
Office of Oil and Gas
OCT 28 2021
WV Department of
Environmental Protection

11/19/2021

Permit Modification

Received date: 10/28/21

Well Name: S-7H

Operator: HE

API: 47-041-05723

Pad Name: EVANS 1213

	MODIFIED PERMIT	ORIGINAL PERMIT
TVD	6760	6760
TMD	26703	17997
HL	18722	10187
FW	✓	Same
SW	✓	N/A
COAL	✓	Same
CONDUCTOR	120	120
FRESHWATER	1100	1100
INTERMEDIATE 1	2100	2100
INTERMEDIATE 2	4900	4900
PRODUCTION	26703	17997

Notes: 4 Burnside ✓ APR ✓
2 Norio ✓
5 Gaston ✓
7 Gall ✓
10 Shells ✓
9 Norris ✓
22 Bredy ✓
20 Hudkins ✓
27 Bailey, DB ✓
29 Bado L. ✓
30 Linger ✓



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

Expedited Modification Horizontal H6A Well Work Permit Evans 1213 Pad

1 message

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

Fri, Nov 19, 2021 at 11:09 AM

To: Diane White <dwhite@hgenergyllc.com>, "Ward, Samuel D" <samuel.d.ward@wv.gov>, John Breen <jbreen@assessor.state.wv.us>

I have attached a copy of the newly issued well [permit](#) numbers:

47-041-05721 - EVANS 1213 S-5H
47-041-05722 - EVANS 1213 S-6H
47-041-05723 - EVANS 1213 S-7H
47-041-05724 - EVANS 1213 S-8H

This will serve as your copy.

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

Thank you,

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE


Charleston, WV 25304


(304) 926-0499 ext. 41115


(304) 926-0452 fax


Wade.A.Stansberry@wv.gov

4 attachments

 **47-041-05724 - mod.pdf**
1744K

 **47-041-05723 - mod.pdf**
2087K

 **47-041-05721 - mod.pdf**
2015K

 **47-041-05722 - mod.pdf**
2245K

11/19/2021