

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

Tuesday, August 20, 2024 PERMIT MODIFICATION APPROVAL Horizontal 6A / New Drill

HG ENERGY II APPALACHIA, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re:

Permit Modification Approval for Barnes 1223 S-7H

47-017-06978-00-00

Lateral Extension

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.

Operator's Well Number: Barnes 1223 S-7H

Farm Name: Marilyn Barnes, et al

U.S. WELL NUMBER: 47-017-06978-00-00

Horizontal 6A New Drill

Date Modification Issued: 08/20/2024

Promoting a healthy environment.

API NO. 47-017 - 06978

OPERATOR WELL NO. Barnes 1223 S-7H

Well Pad Name: Barnes 1223

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

1) Well Operator:	HG Energy	II Appalachia, 📙	494519932	Doddridge	Cove	Vadis 7.5'
			Operator ID	County	District	Quadrangle
2) Operator's Well	Number: Ba	rnes 1223 S-7H	Well Pad	Name: Barne	s 1223	
3) Farm Name/Sur	face Owner:	Barnes	Public Road	d Access: SLS	S 29	
4) Elevation, curre	nt ground:	1329' Ele	evation, proposed p	oost-construction	on: 1335'	
5) Well Type (a)) Gas <u>x</u>	Oil	Unde	rground Storag	ge	
Ot	her					
(b)			Deep			
		izontal <u>x</u>				
6) Existing Pad: Y						
7) Proposed Targe Marcellus at 71:			pated Thickness an Anticipated press	*	essure(s):	
8) Proposed Total			7 Tritiolpated press	ure at 4014#.		
9) Formation at To						
10) Proposed Tota			=			
£					n n	
11) Proposed Hori			4501 0001 0001			
12) Approximate I	Fresh Water St	rata Depths:	150', 220', 339'	- Constitution		
13) Method to Det	ermine Fresh	Water Depths: N	learest offset wel	data, (47-017	7-02490,47	-017-02542, 2780)
14) Approximate S	Saltwater Dept	hs: NA			*	
15) Approximate (Coal Seam Dep	oths: 153'-158', 4	128'-438' (Surface	Casing is bei	ng extende	d to cover the coal)
16) Approximate I	Depth to Possi	ble Void (coal mi	ne, karst, other): _	Vone		
17) Does Proposed	l well location	contain coal sean	ns			
directly overlying			Yes	No	X	
(a) If Yes, provide	le Mine Info:	Name:				
(a) II Tes, provie	ic wille fillo.	Depth:		Office	RECEIVED of Oil and	Gas
		Seam:				1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Owner:	·	A	UG 9 202	4
		Cition.		WV	Department nmental Prote	O1
					oinai riole	CHOIT

API NO. 47- 017 - 06978

OPERATOR WELL NO. Barnes 1223 S-7H
Well Pad Name: Barnes 1223

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	20"	New	LS	94	120'	120'	Drilled In
Fresh Water	13.375"	NEW	J-55 BTC	54.5	1300'	1300'	40% excess, yield =1.18,CTS
Coal							
Intermediate	9 5/8"	NEW	N-80 BTC	40	6954'	6954'	Lead - 40% excess, Tail - 0% Excess
Production	5 1/2"	NEW	P-110 HP	23	32102'	32102'	Load - Yield = 1.19, Tail - yield = 1.94
Tubing							
Liners							

Kenneth Greynold Solitor Kenneth Greynolds email = Kenneth L. Greynolds email = Kenneth C. Greynolds email = Kenneth C. Greynolds email = Kenneth C. Greynolds email = Kenneth L. Greynolds email = Kenneth L. Greynolds email = Kenneth C. Greynolds email = Kenneth L. Greynolds em

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	20"	20"	.438				Drilled In
Fresh Water	13 3/8"	17.5"	.380	2730	1200	Type 1, Class A	30 % excess yield = 1.20, CTS
Coal							
Intermediate	9 5/8"	12 1/4"	.395	5750		Type 1/Class A	40% excess yield = 0% Excess Lead 40
Production	5 1/2"	8 1/2"	.415	16240	12500	Type 1/ClassA	
Tubing					10-101-1		
Liners							

PACKERS

Kind:	Office of Oil and Gas
Sizes:	AUG 9 2024
Depths Set:	VVV Department of Environmental Protection

OPERATOR WELL NO. Barnes 1223 S-7H

Well Pad Name: Barnes 1223

19)	Describe	proposed well	work,	includin	g the dr	illing and	plugging	back o	f any pilot ho	ole:
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Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 7230'. Drill horizontal leg to an estimated 23,470' lateral length, 32,102' 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.

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. Maximum pressure not to exceed 12,500 psi.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 51.82 acres
- 22) Area to be disturbed for well pad only, less access road (acres): 6.11 acres
- 23) Describe centralizer placement for each casing string:

No centralizers will be used with conductor casing.

Freshwater - Bow Spring on every other joint .

Intermediate - Bow Spring on first 2 joints then every third joint to 100' from surface.

Production - Run 1 spiral centralizer every 5 joints from the top of the curve to surface. Run 1 spiral centralizer every 3 joints from the 1st 5.5° long joint to the top of the curve.

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

Conductor -N/A, Casing to be drilled in w/ Dual Rotary Rig.

Fresh Water - "15.6 ppg Class A Neat 94#/sk40% ExcessYield=1.18 / CTS"

Intermediate - "Lead: 15.4 ppg PNE-1 + 2.5% bwoc CaCl40% Excess / Tail: 15.9 ppg PNE-1 + 2.5% bwoc CaCl zero% Excess. CTS"

Production - "Lead: 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc EC1 + 0.75 gal/sk FP13L + 0.3% bwoc MPA1707ai: 14.8 ppg PNE-1 + 0.35% bwoc R3 + 0.75 gal/sk FP13L + 50% bwoc ASCA1 + 0.5% bwoc MPA17020% ExcessLead Yield=1.19Tail Yield=1.94CTS"

25) Proposed borehole conditioning procedures:

Conductor - Ensure the hole is clean at TD.

Fresh Water - Once casing is at setting depth, circulate a minimum of one hole volume with Fresh Water prior to pumping cement

Intermediate - Once casing is at setting depth, Circulate and condition mud at TD. Circulate a minimum of one hole volume prior to pumping cement.

Production - Once on bottom/TD with casing, circulate at max allowable pump rate for at least 2x bottoms up, or until returns and pump pressures indicate the hole is clean. Circulate a minimum of one hole volume prior to pumping cement.

RECEIVED
Office of Oil and Gas

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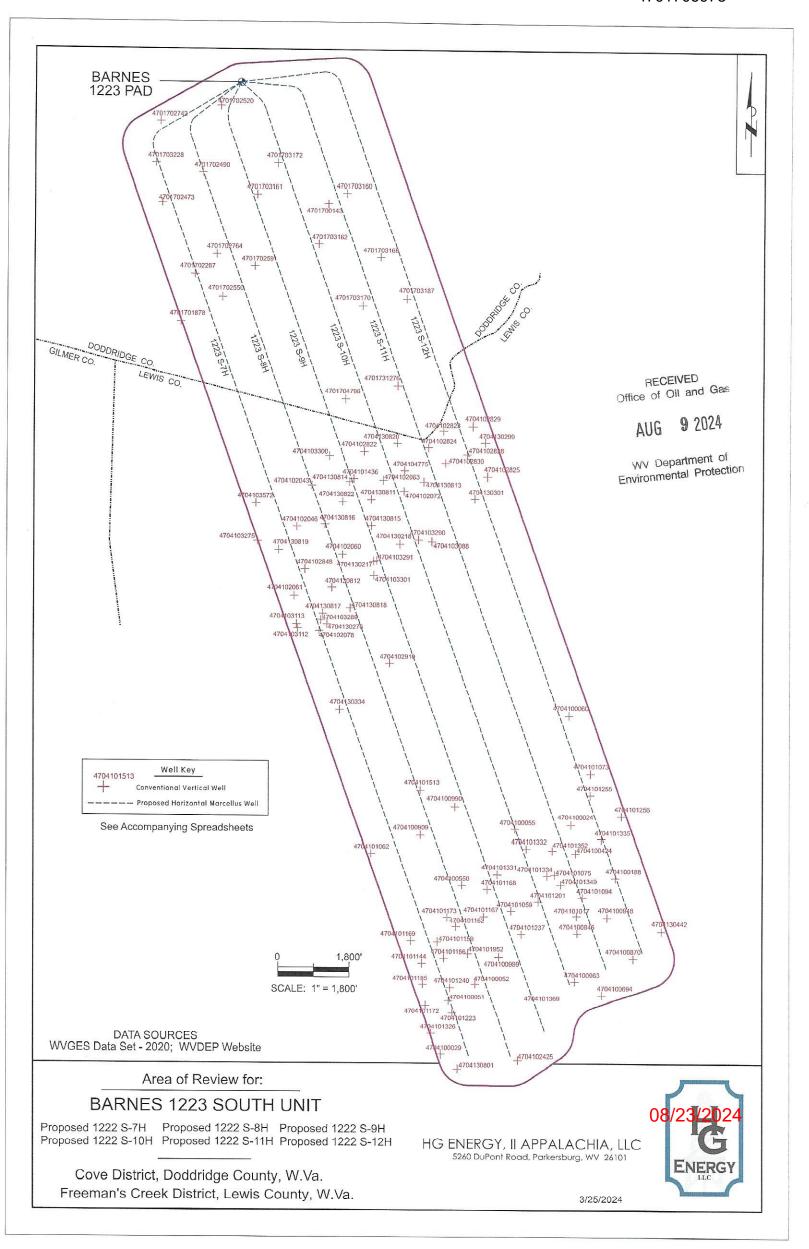
*Note: Attach additional sheets as needed.

WV Department of Environmental Protection 8



1223 S-7H Marcellus Shale Horizontal Doddridge County, WV

and a								Doddriage C			
					1223 S	-7H SH	L	14	204602.71N 172058	36.06E	
Ground Elevation		1329	•		1223	S-7H LF)	14202289.15N 1718669.11E			
		160.574°		1223 S-7H BHL				14180164.01N 1726471.96E			
Azm				TOP BASE		MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS	
WELLBORE DIAGRAM	HOLE	CASING	GEOLOGY	10P	DASE	WICD	CEMENT	OLITIO LELECTO			
x x x x x	20"	20" 94# LS		0	120	AIR	N/A, Casing to be drilled in w/ Dual Rotary Rig	N/A	Ensure the hole is clean at TD.	Surface casing = 0.438" w thickness	
			Conductor		120				Once casing is at setting		
			Coal	580			15.6 ppg Class A Neat		depth, Circulate and	Intermediate casing = 0.38	
	17.5"	13-3/8" 54.5#	Coal	610		AIR	94#/sk 40% Excess	Bow Spring on every other joint	condition at TD. Circulate a minimum of one hole	wall thickness	
[x] [x] [x] [x]	17.5	J-55 BTC	Coal Fresh Water	900			Yield=1.18 / CTS	differ joint	volume prior to pumping	Burst=2730 psi	
			Protection	0	1300				cement.		
			Little Lime/Big Lime	2290/2345	2305/2401						
			Big Injun/Gantz	2401/2755	2495/2785	" = "					
			50 Foot/Gordon	2861/3042	2903/3122		Lead: 15.4 ppg PNE-1+		Once casing is at setting		
			Fifth	3213	3263	AIR / KCL	2.5% bwoc CaCl 40% Excess / Tail: 15.9	Bow Spring on first 2 joints then every third	depth, Circulate and condition mud at TD.	Intermediate casing = 0.3	
	12.25"	9-5/8" 40# N-80 BTC	Bayard	3286	3311	Salt	ppg PNE-1 + 2.5% bwoc	joint to 100' form	Circulate a minimum of one	wall thickness Burst=5750 psi	
		14 00 010	Warren/Speechley	3594/3807	3629/3842	Polymer	CaCl zero% Excess. CTS	surface	hole volume prior to pumping cement.		
			Benson / Alexander	5213 / 5474	5346 / 5604		Zelow Excess. C13		Pamping		
x ×			Intermediate	0	TVD: 6357' MD: 6954' Inc. 39 deg.						
X	8.75"					AIR / 9.0ppg SOBM	<u>Lead</u> : 14.5 ppg POZ:PNE-1 + 0.3% bwoc R3 + 1% bwoc	Run 1 spiral centralizer every 5 joints from the top of the curve to surface.			
			Rhinestreet	6431	6719		EC1 + 0.75 gal/sk FP13L		Once on bottom/TD with		
Office RECEIVED			Cashaqua	6719	6864		+ 0.3% bwoc MPA170 Tail: 14.8 ppg PNE-1 +		casing, circulate at max allowable pump rate for at	Production casing = 0.41 wall thickness	
VP OIL TO		5-1/2"	Middlesex	6864	6943	11.5ppg-	0.35% bwoc R3 + 0.75		least 2x bottoms up, or until	Burst=16240 psi	
	8,5" Curve	23# P-110 HP	West River	6943	7012	12.5ppg	gal/sk FP13L + 50% bwoc ASCA1 + 0.5%	D. d. international	returns and pump pressures indicate the hole is clean.	Note:Actual centralizer schedules may be chang	
m 5 9 2021		TXP / W461	Burkett	7012	7053	SOBM	bwoc MPA170	Run 1 spiral centralizer every 3 joints from the	Circulate a minimum of one hole volume prior to	due to hole conditions	
WV Department of Profes			Tully Limestone	7053	7078		20% Excess Lead Yield=1.19	1st 5.5" long joint to the	pumping cement.		
ronnepann			Hamilton	7078	7129		Tail Yield=1.94	top of the curve.	41		
"Tental Pro or			Marcellus	7129	7232	11.5ppg-	CTS				
Wy Department of Protection	8.5" Lateral		TMD / TVD (Production)	32102	7230	12.5ppg SOBM					
x x			Onondaga	7232	NO. 1828/2022/2022	No.		School Committee	 	 	
	X	X		X		X	×	Λ		TD @ +/-7230' TVD	
LP @ 723	80' TVD / 8632' MD			8.5" Hole - Cemente 5-1/2" 23# P-110 HI				+/-234	70' ft Lateral	+/-32102' MD	
	X			X 23# F-11011				X	X	X=centralizers	



				BARNES 1223	EXISTING WELLS LOCATED WI		-5.13.5	!H, & S-1	12H		
	СТ	API	COUNTY	FARM	OPERATOR NAME	FORMATION NAME	WELL TYPE	TVD	STATUS	LATITUDE	LONGITUDE
	1	4701700143	Doddridge	Chapman & Spray	McCall Drilling Co.	Price Fm & equivs	Dry w/ Oil Show	2375	PLUGGED	39.106734	-80.709358
	2	4701701878	Doddridge	S L Gray	Ross & Wharton Gas Co., Inc.	Gantz	Oil and Gas	2504	PLUGGED	39.098560	-80.722490
Х	3	4701702287	Doddridge	S L Gray	Charity Gas Inc.	Gordon	Gas	2440	ACTIVE	39.101835	-80.721236
X	4	4701702473	Doddridge	Geo Adrian	Deran Resources, Inc.	Price Fm & equivs	Gas	2224	ACTIVE	39.106809	-80.724153
	5	4701702490	Doddridge	Lelia B Cole	Deran Resources, Inc.	Big Injun (Grnbr)	not available	_	ACTIVE	39.108889	-80.720538
Х	6	4701702520	Doddridge	Lelia B Cole	Deran Resources, Inc.	Undf PRICE blw INJN	Gas	2515	ACTIVE	39.113444	-80.718942
Х	7	4701702550	Doddridge	M D Bode	Daniel Farley	Undf PRICE blw INJN	Gas	2051	PLUGGED	39.100243	-80.718780
	8	4701702591	Doddridge	M D Bode	Daniel Farley	Undf PRICE blw INJN	Gas	2097	PLUGGED	39.102376	-80.715915
Х	9	4701702742	Doddridge	George Adrian	Deran Resources, Inc.	Big Injun (Grnbr)	Gas	2423	ACTIVE	39.112375	-80.724312
	10	4701702764	Doddridge	R Bunten	Daniel Farley	Big Injun (Grnbr)	Dry	2290	PLUGGED	39.103197	-80.719297
	11	4701703160	Doddridge	Franklin Rastle	Ross & Wharton Gas Co., Inc.	Big Injun (Grnbr)	Gas	2100	ABANDONED	39.107465	-80.707687
	12	4701703161	Doddridge	Franklin Rastle	Ross & Wharton Gas Co., Inc.	Big Injun (Grnbr)	Gas	2505	ACTIVE	39.107386	-80.715685
	13	4701703162	Doddridge	F Rastle et ux	Beta-Helix Energy, LLC	Big Injun (Grnbr)	Gas	2075	ACTIVE	39.103928	-80.710206
	14	4701703168	Doddridge	Daniel Persiani	Beta-Helix Energy, LLC	Big Injun (Grnbr)	Gas	2190	ACTIVE	39.103010	-80.704679
	15	4701703170	Doddridge	William Tatro	Beta-Helix Energy, LLC	Big Injun (Grnbr)	Gas	2215	ACTIVE	39.099648	-80.706269
	16	4701703172	Doddridge	Franklin Rastle	Berry Energy, LLC	Big Injun (Grnbr)	Gas	2222	ACTIVE	39.109548	-80.713848
	17	4701703187	Doddridge	William Tatro	Beta-Helix Energy, LLC	Big Injun (Grnbr)	Gas	2222	ACTIVE	39.100128	-80.702353
Х	18	4701703228	Doddridge	Bryan & Mary Lowther	Deran Resources, Inc.	Big Injun (Grnbr)	Gas	2214	ACTIVE	39.109547	-80.724710
	19	4701704796	Doddridge	Henry G & Sylvia Rastle	Eastern Gas Transmission & Storage, Inc.	not available	not available	27	PLUGGED	39.093184	-80.707802
	20	4701731276	Doddridge	John Gamps/F M Schmidt	Consolidated Gas Supply Corp.	Hampshire Grp	Oil and Gas	2200	PLUGGED	39.094105	-80.703157
	21	4704100024	Lewis	D D Chapman	Waco Oil & Gas Co., Inc.	Hampshire Grp	Gas	2181	ACTIVE	39.063680	-80.687721
	22	4704100051	Lewis	Laura Alfred & Griggs	Eastern Gas Transmission & Storage, Inc.	Blue Monday	Oil and Gas	1881	PLUGGED	39.051493	-80.698667
	23	4704100052	Lewis	Alfred & Griggs	Diversified Production, LLC	Undf PRICE blw INJN	Oil and Gas	1960	ACTIVE	39.052644	-80.696308
	24	4704100055	Lewis	Lydia Starcher	Eastern Gas Transmission & Storage, Inc.	Gantz	Oil and Gas	2180	PLUGGED	39.063394	-80.692715
	25	4704100060	Lewis	M HPiercy	Eastern Gas Transmission & Storage, Inc.	Big Injun (Grnbr)	Gas	2243	PLUGGED	39.071241	-80.687882
	26	4704100188	Lewis	Reason Davisson	Appalachian Land & Development Co.	Price Fm & equivs	Oil w/ Gas Show	1967	ABANDONED	39.059983	-80.683795
	27	4704100424	Lewis	D D Chapman	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Oil and Gas	1960	ACTIVE	39.061670	-80.687321
	28	4704100550	Lewis	O Ireland	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil	1992	ACTIVE	39.059494	-80.697737
	29	4704100694	Lewis	Isaac Tyson	M and M Drilling	Price Fm & equivs	Oil and Gas	1730	PLUGGED	39.051862	-80.685008
	30	4704100845	Lewis	Tyson-Reese Consol	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil and Gas	1933	ACTIVE	39.056159	-80.687210
	31	4704100870	Lewis	Joseph Tyson	Eastern Gas Transmission & Storage, Inc.	Price Fm & equivs	Oil and Gas	1898	PLUGGED	39.054385	-80.682225
	32	4704100909	Lewis	W Richard Starcher	Term Energy Corporation	Price Fm & equivs	Oil and Gas	1812	ABANDONED	39.062972	-80.701148
	33	4704100948	Lewis	Jason Bailey	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Gas	1996	ACTIVE	39.057239	-80.684539

34	4704100963	Lewis	Isaac Tyson	P&C Oil & Gas, Inc.	Squaw	Oil and Gas	1946	ABANDONED	39.052805	-80.687448
35	4704100990	Lewis	D D Chapman	B & B Oil & Gas Co., Inc.	Price Fm & equivs	Gas	2010	ABANDONED	39.064951	-80.698048
36	4704100999	Lewis	Alfred & Griggs	Diversified Production, LLC	Price Fm & equivs	Oil and Gas	1979	ACTIVE	39.054514	-80.694197
37	4704101017	Lewis	Marion Tyson	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil and Gas	1989	ACTIVE	39.057352	-80.687268
38	4704101059	Lewis	Alfred & Griggs	Diversified Production, LLC	Price Fm & equivs	Oil and Gas	1938	ACTIVE	39.057717	-80.693089
39	4704101062	Lewis	G W McMillan	McMillan Oil & Gas	not available	not available	_	NEVER DRILLED	39.061669	-80.705551
40	4704101073	Lewis	D D Chapman	R&R Oil & Gas, LLC	Price Fm & equivs	Oil and Gas	2035	ACTIVE	39.067239	-80.685979
41	4704101075	Lewis	Offa Keesucker	Jesse & Merle Shackleford	Price Fm & equivs	Gas	1978	ACTIVE	39.060219	-80.689181
42	4704101094	Lewis	D D Chapman	Term Energy Corporation	Price Fm & equivs	Oil and Gas	2100	PLUGGED	39.058619	-80.686711
43	4704101144	Lewis	A Alfred	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil w/ Gas Show	1735	ACTIVE	39.054089	-80.701039
44	4704101159	Lewis	O W Ireland	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil w/ Gas Show	1785	ACTIVE	39.055585	-80.699670
45	4704101162	Lewis	O W Ireland	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Oil w/ Gas Show	1886	ACTIVE	39.056649	-80.698014
46	4704101167	Lewis	O W Ireland	Stallworth Oil and Gas, Inc.	not available	not available	3-	NEVER DRILLED	39.057319	-80.695504
47	4704101168	Lewis	O W Ireland	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil w/ Gas Show	2176	ACTIVE	39.059202	-80.695201
48	4704101169	Lewis	A L Griggs	R&R Oil & Gas, LLC	Price Fm & equivs	Oil and Gas	1798	ACTIVE	39.055659	-80.701995
49	4704101172	Lewis	Griggs & Alfred	Diversified Production, LLC	Big Injun (Grnbr)	Oil w/ Gas Show	1925	ACTIVE	39.051147	-80.700745
50	4704101173	Lewis	Griggs & Alfred	Diversified Production, LLC	Big Lime	Oil w/ Gas Show	1904	ACTIVE	39.057287	-80.698779
51	4704101185	Lewis	A L Griggs	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil w/ Gas Show	1885	ACTIVE	39.052644	-80.700973
52	4704101186	Lewis	Griggs & Alfred	Diversified Production, LLC	Big Injun (Grnbr)	Oil w/ Gas Show	1855	ACTIVE	39.054435	-80.699097
53	4704101201	Lewis	Griggs & Alfred	Diversified Production, LLC	Big Injun (Grnbr)	Oil	2141	ACTIVE	39.058339	-80.690678
54	4704101223	Lewis	Alfred & Griggs	Diversified Production, LLC	Big Injun (Grnbr)	Oil w/ Gas Show	2083	ACTIVE	39.050600	-80.698366
55	4704101237	Lewis	Alfred & Griggs	Diversified Production, LLC	Big Injun (Grnbr)	Oil and Gas	2140	ACTIVE	39.056102	-80.692177
56	4704101240	Lewis	Alfred & Griggs	Diversified Production, LLC	Big Injun (Grnbr)	Oil and Gas	1938	ACTIVE	39.052388	-80.698526
57	4704101255	Lewis	W D Chapman	Petroleum Promotions	Undf PRICE blw INJN	Oil and Gas	2150	PLUGGED	39.065730	-80.686020
58	4704101256	Lewis	N G Douglas	Petroleum Promotions	Undf PRICE blw INJN	Oil and Gas	2150	PLUGGED	39.064280	-80.683229
59	4704101326	Lewis	Alfred & Griggs	Diversified Production, LLC	Undf PRICE blw INJN	Oil w/ Gas Show	1951	ACTIVE	39.049200	-80.700252
60	4704101331	Lewis	L Starcher	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Gas	2313	ACTIVE	39.060219	-80.694305
61	4704101332	Lewis	L Starcher	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Oil and Gas	1959	ACTIVE	39.062000	-80.691710
62	4704101334	Lewis	D D Chapman	Waco Oil & Gas Co., Inc.	not available	not available	-	ACTIVE	39.060147	-80.689860
63	4704101335	Lewis	D D Chapman	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Oil	2138	ACTIVE	39.062699	-80.685029
64	4704101349	Lewis	D D Chapman	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Oil	2193	ACTIVE	39.059514	-80.688647
65	4704101352	Lewis	D D Chapman	Waco Oil & Gas Co., Inc.	not available	not available	-	ACTIVE	39.061891	-80.689388
66	4704101369	Lewis	C Roney	P&C Oil & Gas, Inc.	Undf PRICE blw INJN	not available	1950	ABANDONED	39.051189	-80.688952
67	4704101436	Lewis	D Rinehart Heirs	Wolf Run Oil & Gas	Fifth	Dry	2752	PLUGGED	39.087473	-80.707426
68	4704101513	Lewis	C A Bailey Hrs	Steve Duckworth Well Service	not available	not available	-	PLUGGED	39.066097	-80.701153
69	4704101952	Lewis	A L Griggs	Diversified Production, LLC	Price Fm & equivs	Oil w/ Gas Show	1921	ACTIVE	39.054778	-80.696938
70	4704102043	Lewis	S H Lowther	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2302	ACTIVE	39.087218	-80.710800

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2	X	71	4704102046	Lewis	M E Hall	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2473	ACTIVE	39.084351	-80.712136
April Apri	,		4704102060	Lewis	M E Hall		Gantz	Storage	2267	ACTIVE	39.082421	-80.708062
20	X	73	4704102061	Lewis	M E Hall	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2401	PLUGGED	39.079571	-80.712390
Fig. Control Control		74	4704102063	Lewis	John Rastle	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2173	ACTIVE	39.087568	-80.704427
77		75	4704102072	Lewis	John Rastle	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2433	PLUGGED	39.086803	-80.702588
78		76	4704102078	Lewis	Frank Rastle	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2431	PLUGGED	39.077130	-80.710161
79 4704102324 Lewis		77	4704102822	Lewis	Charles Fisher	Eastern Gas Transmission & Storage, Inc.	Berea Ss	Oil	2186	ACTIVE	39.089559	-80.706125
80 4704102825 Lewis Connecting Statem Gas Transmission & Storage, inc. not available not available		78	4704102823	Lewis	Mary Albers	Eastern Gas Transmission & Storage, Inc.	not available	not available	-	PLUGGED	39.091009	-80.699054
81 470410828 Lewis Conrad Rastle Eastern Gas Transmission & Storage, inc. not available not avai		79	4704102824	Lewis	John Rastle	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Oil w/ Gas Show	2703	PLUGGED	39.089838	-80.700392
82	2	80	4704102825	Lewis	John Rastle	Eastern Gas Transmission & Storage, Inc.	not available	not available		PLUGGED	39.087818	-80.695145
83 4704102830 Lewis Corrad Rastle Faxtern Gas Transmission & Storage, Inc. not available not ava		81	4704102828	Lewis	Conrad Rastle	Eastern Gas Transmission & Storage, Inc.	not available	Storage	-	ACTIVE	39.089365	-80.696947
## ## ## ## ## ## ## ## ## ## ## ## ##		82	4704102829	Lewis	Conrad Rastle	Eastern Gas Transmission & Storage, Inc.	not available	not available	-	PLUGGED	39.091299	-80.696449
Storage Architocolor Architoco		83	4704102830	Lewis	Conrad Rastle	Eastern Gas Transmission & Storage, Inc.	not available	not available	72	PLUGGED	39.088770	-80.698862
86	X	84	4704102848	Lewis	Mary E Hall	Eastern Gas Transmission & Storage, Inc.	not available	not available	-	PLUGGED	39.081393	-80.711428
87 4704103112 Lewis Marie Raste Consolidated Gas Supply Corp. Hampshire Grp Oil 2473 PLUGGED 39,077332 80,712063 88 4704103113 Lewis M&C Rastle Eastern Gas Transmission & Storage, Inc. Gantz Storage 2531 ACTIVE 39,07/622 80,712174 89 4704103275 Lewis Guy Simmons Foster Mining Co. Big Injun (Grnbr) Gas 2238 ABANDONED 39,083336 80,712658 A704103289 Lewis Guy Simmons Ir Eastern Gas Transmission & Storage, Inc. not available not available 2488 PLUGGED 39,083343 80,701283 89,71283 8		85	4704102910	Lewis	F Rastle	Eastern Gas Transmission & Storage, Inc.	Hampshire Grp	Observation	2691	ACTIVE	39.074858	-80.703868
88 4704103113 Lewis M&C Rastle Eastern Gas Transmission & Storage, Inc. Gantz Storage 2531 ACTIVE 39,077612 80,712174 89 4704103275 Lewis Guy Simmons Foster Mining Co. Big injun (Grmbr) Gas 2238 ABANDONED 39,083436 80,712555 89 4704103289 Lewis Guy Simmons Foster Gas Transmission & Storage, Inc. not available not available 2488 PLUGGED 39,077912 -80,710016 39,083423 80,701255 39,083423		86	4704103088	Lewis	M & D L Rastle	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2574	ACTIVE	39.083306	-80.700087
R9		87	4704103112	Lewis	Marie Rastle	Consolidated Gas Supply Corp.	Hampshire Grp	Oil	2473	PLUGGED	39.077332	-80.712063
x 90 4704103289 Lewis Guy Simmons Ir Eastern Gas Transmission & Storage, Inc. not available not available 2488 PLUGGED 39.077912 -80.7101016 91 4704103290 Lewis Guy Simmons Jr Eastern Gas Transmission & Storage, Inc. not available 2200 PLUGGED 39.083423 -80.701283 92 4704103291 Lewis Guy Simmons Jr Eastern Gas Transmission & Storage, Inc. not available 2206 PLUGGED 39.081980 -80.705032 93 4704103300 Lewis Guy Simmons Eastern Gas Transmission & Storage, Inc. Gantz OII 2440 PLUGGED 39.085933 -80.705265 4 79404103572 Lewis Guy Simmons Canstallable not available not available -PLUGGED 39.085933 -80.705265 4 95 470410375 Lewis Guy Simmons Consolidated Gas Transmission & Storage, Inc. not available not available -PLUGGED 39.085933 -80.715785 96 4704130217 Lewis Madd		88	4704103113	Lewis	M&C Rastle	Eastern Gas Transmission & Storage, Inc.	Gantz	Storage	2531	ACTIVE	39.077612	-80.712174
Yes Policy Process		89	4704103275	Lewis	Guy Simmons	Foster Mining Co.	Big Injun (Grnbr)	Gas	2238	ABANDONED	39.083346	-80.715655
92 4704103291 Lewis Guy Simmons Ir Eastern Gas Transmission & Storage, Inc. not available 2206 PLUGGED 39,081980 80,7055032 80	x	90	4704103289	Lewis	Guy Simmons Jr	Eastern Gas Transmission & Storage, Inc.	not available	not available	2488	PLUGGED	39.077912	-80.710016
93 4704103300 Lewis Henry Rastle Eastern Gas Transmission & Storage, Inc. 94 4704103301 Lewis Guy Simmons Eastern Gas Transmission & Storage, Inc. 95 4704103572 Lewis Guy Simmons Consolidated Gas Transmission & Storage, Inc. 96 470410375 Lewis Yvonne Foster/E Rastle et al Eastern Gas Transmission & Storage, Inc. 97 4704130217 Lewis Maud Faupel South Penn Oil (S. Penn Nat. Gas) 98 4704130218 Lewis Harrey Faupel South Penn Oil (S. Penn Nat. Gas) 99 4704130218 Lewis Met Hall Hope Natural Gas Company Hampshire Grp Oil 2431 PLUGGED 39.083133 -80.702545 100 4704130219 Lewis One Rastle Hope Natural Gas Company Hampshire Grp Oil add Gas 2306 PLUGGED 39.081628 -80.702545 101 4704130301 Lewis Information Lewis Information Hope Natural Gas Company Hampshire Grp Oil and Gas 2306 PLUGGED 39.081628 -80.696261 102 470413034 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.086268 -80.696261 104 4704130811 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.08304 -80.6796381 105 4704130812 Lewis Me Hall Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.087458 -80.705818		91	4704103290	Lewis	Guy Simmons Jr	Eastern Gas Transmission & Storage, Inc.	not available	not available	2200	PLUGGED	39.083423	-80.701283
y 4704103301 Lewis Guy Simmons Eastern Gas Transmission & Storage, Inc. not available not available 3906 PLUGGED 39.080970 -80.705265 95 4704103572 Lewis Guy Simmons Consolidated Gas Transmission Corp. not available not available - PLUGGED 39.085933 -80.715785 96 4704104775 Lewis Yvonne Foster/E Rastle et al Eastern Gas Transmission & Storage, Inc. not available not available - PLUGGED 39.088230 -80.70534 97 4704130217 Lewis Maud Faupel South Penn Oil (S. Penn Nat. Gas) Hampshire Grp Oil 2174 PLUGGED 39.081972 -80.705190 98 4704130218 Lewis Harvey Faupel South Penn Oil (S. Penn Nat. Gas) Hampshire Grp Oil 2346 PLUGGED 39.0813133 -80.702958 X 99 4704130276 Lewis M E Hall Hope Natural Gas Company Hampshire Grp Oil 2431 PLUGGED 39.077622 -80.709458 100		92	4704103291	Lewis	Guy Simmons Jr	Eastern Gas Transmission & Storage, Inc.	not available	not available	2206	PLUGGED	39.081980	-80.705003
No. Section		93	4704103300	Lewis	Henry Rastle	Eastern Gas Transmission & Storage, Inc.	Gantz	Oil	2440	PLUGGED	39.089253	-80.709233
Solution		94	4704103301	Lewis	Guy Simmons	Eastern Gas Transmission & Storage, Inc.	not available	not available	3906	PLUGGED	39.080970	-80.705265
97 4704130217 Lewis Maud Faupel South Penn Oil (S. Penn Nat. Gas) Hampshire Grp Oil 2174 PLUGGED 39.081972 -80.705190 98 4704130218 Lewis Harvey Faupel South Penn Oil (S. Penn Nat. Gas) Hampshire Grp Oil 2346 PLUGGED 39.083133 -80.702958 Yelloged 39.081972 -80.705190 Yelloged	Х	95	4704103572	Lewis	Guy Simmons	Consolidated Gas Transmission Corp.	not available	not available	- 1	PLUGGED	39.085933	-80.715785
98 4704130218 Lewis Harvey Faupel South Penn Oil (S. Penn Nat. Gas) Hampshire Grp Oil 2346 PLUGGED 39.083133 -80.702958 99 4704130276 Lewis M E Hall Hope Natural Gas Company Hampshire Grp Oil 2431 PLUGGED 39.077622 -80.709458 100 4704130299 Lewis Conrad Rastle Hope Natural Gas Company Hampshire Grp Oil and Gas 2191 PLUGGED 39.090184 -80.695332 101 4704130301 Lewis John Rastle Hope Natural Gas Company Hampshire Grp Oil and Gas 2306 PLUGGED 39.086268 -80.696261 102 4704130334 Lewis AJ Spray Carnegie Natural Gas Co. Undf PRICE blw INJN Gas 2170 PLUGGED 39.071676 -80.708342 103 4704130812 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.086203 -80.705508 104 4704130811 Lewis John Rastle Consolidat		96	4704104775	Lewis	Yvonne Foster/E Rastle et al	Eastern Gas Transmission & Storage, Inc.	not available	not available	- 1	PLUGGED	39.088230	-80.702534
X 99 4704130276 Lewis M E Hall Hope Natural Gas Company Hampshire Grp Oil 2431 PLUGGED 39.077622 -80.709458 100 4704130299 Lewis Conrad Rastle Hope Natural Gas Company Hampshire Grp Gas 2191 PLUGGED 39.090184 -80.695332 101 4704130301 Lewis John Rastle Hope Natural Gas Company Hampshire Grp Oil and Gas 2306 PLUGGED 39.086268 -80.696261 102 4704130334 Lewis A J Spray Carnegie Natural Gas Co. Undf PRICE blw INJN Gas 2170 PLUGGED 39.071676 -80.708342 103 4704130442 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.056304 -80.679693 104 4704130811 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.086203 -80.709508 105 4704130813 Lewis M E Hall		97	4704130217	Lewis	Maud Faupel	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2174	PLUGGED	39.081972	-80.705190
100 4704130299 Lewis Conrad Rastle Hope Natural Gas Company Hampshire Grp Gas 2191 PLUGGED 39.090184 -80.695332 101 4704130301 Lewis John Rastle Hope Natural Gas Company Hampshire Grp Oil and Gas 2306 PLUGGED 39.086268 -80.696261 102 4704130334 Lewis A J Spray Carnegie Natural Gas Co. Undf PRICE blw INJIN Gas 2170 PLUGGED 39.071676 -80.708342 103 4704130442 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.056304 -80.679693 104 4704130811 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2196 PLUGGED 39.086203 -80.705508 105 4704130812 Lewis M E Hall Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.087458 -80.700813 106 4704130813 Lewis John Rastle		98	4704130218	Lewis	Harvey Faupel	South Penn Oil (S. Penn Nat. Gas)	Hampshire Grp	Oil	2346	PLUGGED	39.083133	-80.702958
101 4704130301 Lewis John Rastle Hope Natural Gas Company Hampshire Grp Oil and Gas 2306 PLUGGED 39.086268 -80.696261 102 4704130334 Lewis A J Spray Carnegie Natural Gas Co. Undf PRICE blw INJN Gas 2170 PLUGGED 39.071676 -80.708342 103 4704130442 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.056304 -80.679693 104 4704130811 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.103169 -80.710411 106 4704130813 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2454 PLUGGED 39.087458 -80.700813	x	99	4704130276	Lewis	M E Hall	Hope Natural Gas Company	Hampshire Grp	Oil	2431	PLUGGED	39.077622	-80.709458
102 4704130334 Lewis A J Spray Carnegie Natural Gas Co. Undf PRICE blw INJN Gas 2170 PLUGGED 39.071676 -80.708342 103 4704130442 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.056304 -80.679693 104 4704130811 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2196 PLUGGED 39.086203 -80.705508 105 4704130812 Lewis M E Hall Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.103169 -80.710411 106 4704130813 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2454 PLUGGED 39.087458 -80.700813		100	4704130299	Lewis	Conrad Rastle	Hope Natural Gas Company	Hampshire Grp	Gas	2191	PLUGGED	39.090184	-80.695332
103 4704130442 Lewis Reason C Davisson UNKNOWN Hampshire Grp Oil 2625 PLUGGED 39.056304 -80.679693 104 4704130811 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2196 PLUGGED 39.086203 -80.705508 105 4704130812 Lewis M E Hall Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.103169 -80.710411 106 4704130813 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2454 PLUGGED 39.087458 -80.700813		101	4704130301	Lewis	John Rastle	Hope Natural Gas Company	Hampshire Grp	Oil and Gas	2306	PLUGGED	39.086268	-80.696261
104 4704130811 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2196 PLUGGED 39.086203 -80.705508 105 4704130812 Lewis M E Hall Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.103169 -80.710411 106 4704130813 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2454 PLUGGED 39.087458 -80.700813		102	4704130334	Lewis	A J Spray	Carnegie Natural Gas Co.	Undf PRICE blw INJN	Gas	2170	PLUGGED	39.071676	-80.708342
105 4704130812 Lewis M E Hall Consolidated Gas Supply Corp. not available not available 2148 PLUGGED 39.103169 -80.710411 106 4704130813 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2454 PLUGGED 39.087458 -80.700813		103	4704130442	Lewis	Reason C Davisson	UNKNOWN	Hampshire Grp	Oil	2625	PLUGGED	39.056304	-80.679693
1054704130812LewisM E HallConsolidated Gas Supply Corp.not availablenot available2148PLUGGED39.103169-80.7104111064704130813LewisJohn RastleConsolidated Gas Supply Corp.not availablenot available2454PLUGGED39.087458-80.700813		104	4704130811	Lewis	John Rastle	Consolidated Gas Supply Corp.		not available	2196	PLUGGED		
106 4704130813 Lewis John Rastle Consolidated Gas Supply Corp. not available not available 2454 PLUGGED 39.087458 -80.700813		105	4704130812	Lewis	M E Hall	Consolidated Gas Supply Corp.	not available	not available	2148	PLUGGED		
		106	4704130813	Lewis	John Rastle	Consolidated Gas Supply Corp.						
		107	4704130814	Lewis	Charles Fisher	Consolidated Gas Supply Corp.	not available	not available	2358	PLUGGED	39.087673	-80.707054

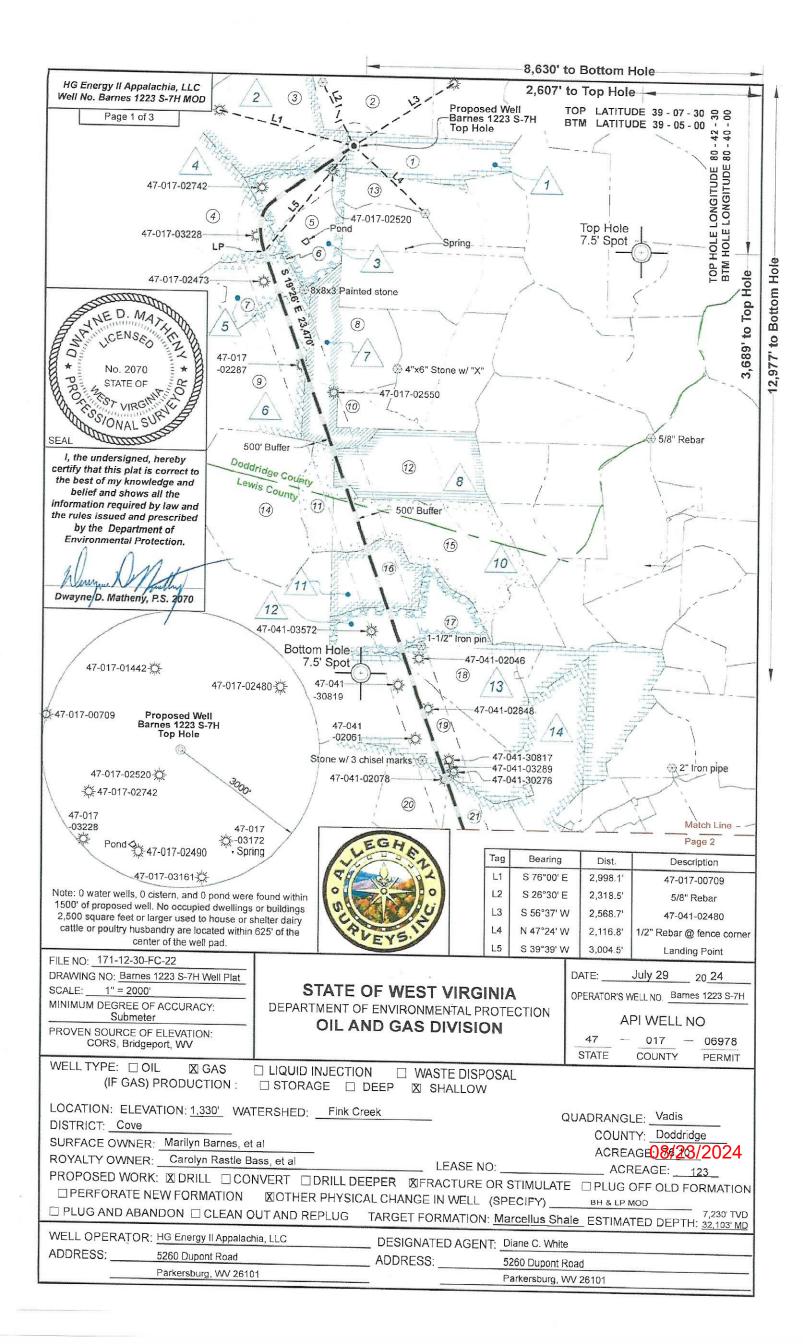
f 1										
108	4704130815	Lewis	M EHall	Consolidated Gas Supply Corp.	not available	not available	2154	PLUGGED	39.084403	-80.705487
109	4704130816	Lewis	M E Hall	Consolidated Gas Supply Corp.	not available	not available	2334	PLUGGED	39.084501	-80.709625
110	4704130817	Lewis	M E Hall	Consolidated Gas Supply Corp.	not available	not available	2390	PLUGGED	39.078347	-80.709840
11.1	4704130818	Lewis	M EHall	Consolidated Gas Supply Corp.	not available	not available	2138	PLUGGED	39.078722	-80.707389
112	4704130819	Lewis	M E Hall	Consolidated Gas Supply Corp.	not available	not available	2433	PLUGGED	39.082753	-80.713750
113	4704130820	Lewis	Mary Albers	Consolidated Gas Supply Corp.	not available	not available	2426	PLUGGED	39.090147	-80.703177
114	4704130822	Lewis	Sylvester H Lowther	Consolidated Gas Supply Corp.	not available	not available	2271	PLUGGED	39.086055	-80.708045
			2011年1月3日共和国	WELLS ADDED 9/7/23 ALC	ONG WESTERN EDGE OF THE	UNIT				
115	4701700233	Doddridge	J Porter Woofter	ALAMCO, Inc.	Gantz	Dry	2350	PLUGGED	39.105040	-80.726617
116	4701700809	Doddridge	J S Bailey	Deran Resources, Inc.	Gantz	Gas w/ Oil Show	2350	ACTIVE	39.111662	-80.728937
117	4701702288	Doddridge	S L Gray	Charity Gas, Inc.	Alexander	Gas	5405	ACTIVE	39.103582	-80.725182
118	4704100029	Lewis	Griggs & Alfred	Diversified Production, LLC	Big Injun (Grnbr)	Oil	2103	ACTIVE	39.047893	-80.699406
119	4704100968	Lewis	W O Ireland	Waco Oil & Gas Co., Inc.	Price Fm & equivs	Oil	1822	ACTIVE	39.056459	-80.703947
120	4704102030	Lewis	W O Ireland	Waco Oil & Gas Co., Inc.	Big Injun (Grnbr)	Oil	1764	ACTIVE	39.053998	-80.702532
121	4704130801	Lewis	W H Frost	Consolidated Gas Supply Corp.	Undf PRICE blw INJN	Gas	1940	PLUGGED	39.046877	-80.697917
				WELLS ADDED 3/25/24 AT	SOUTH FOR EXTENDED LAT	ERALS				
122	4704100029	Lewis	Griggs & Alfred	Diversified Production, LLC	Big Injun (Grnbr)	Oil	2103	ACTIVE	39.047893	-80.699406
123	4704102425	Lewis	Albert Crislip	Diversified Production, LLC	not available	not available	-	ACTIVE	39.047458	-80.692524
124	4704130801	Lewis	W H Frost	Consolidated Gas Supply Corp.	Undf PRICE blw INJN	Gas	1940	PLUGGED	39.046877	-80.697917
SOUR	CE: WVGES DA	TASET (2020)	and WVDEP WEBSITE A	AND FIELD SURVEYS	YELLOW DENOTE	ES WELL WITH TVD > 4,500	pi .	GREEN DE	NOTES SURVEYED	MELLS

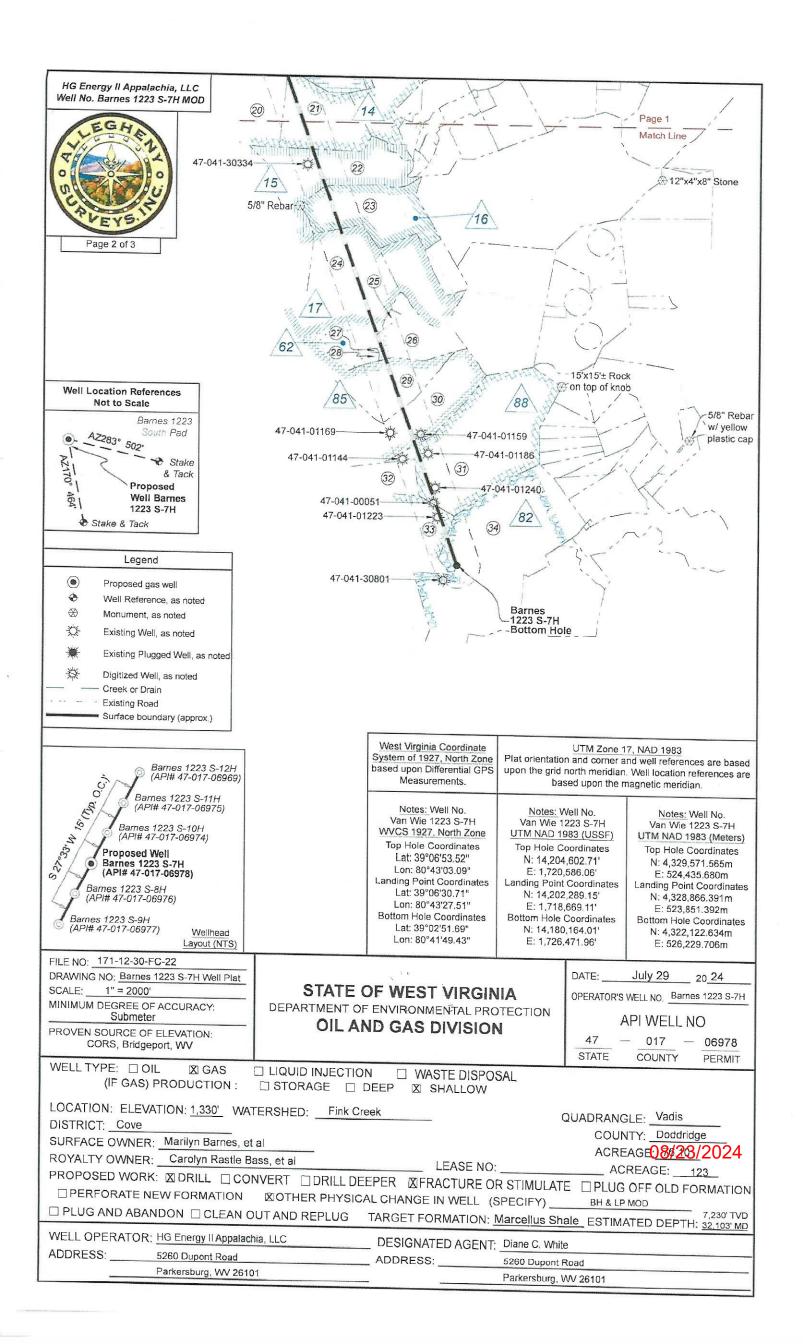
UPDATED 3/25/2024

AUG 9 2024

WV Department of Environmental Protection

RECEIVED
Office of Oil and Gas







Page 3 of 3

ID	Lease
1	Carolyn Rastle Bass, et al
2	James L. Marsh, et al
3	Asset Management, LLC, et al
4	William M. Bailey, et al
5	Carolyn Davita Woofter Chancellor, et a
6	Dolores Hinter, et al
7	Martin Dwight Hall
8	HG Energy II Appalachia, LLC
10	HG Energy II Appalachia, LLC
11	HG Energy II Appalachia, LLC
12	HG Energy II Appalachia, LLC
13	William H. Hall & Mary E. Hall
14	Frank Rastle, et ux, et al
15	HG Energy II Appalachia, LLC
16	C.A. & Jane Rohr
17	Susan Marie Fair, et al
32	Susan Marie Fair, et al
32	Albert & Mary Crislip
35	Lora D. Ireland, et al
8	Andrew Edmiston, Jr., et ux, et al

DRAWING NO: Barnes 1223 S-7H Well Plat

1" = 2000'

MINIMUM DEGREE OF ACCURACY:

SCALE: _

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PRO

No.

2 3

4

5

TM / Par

10/16

9/21

9/20

9/26

9 / 27 13 / 15.3

215 / 149 215 / 149 0.28 13 / 15.2 13 / 16 Diana H. Frank W38 / 439 43.47 8 Ralph T. Bunten, Jr., et al 224 / 79 114.76 Yvonne Foster Ralph T. Bunten, Jr., et al W40 / 419 147.64 10 13 / 16.1 224 / 79 187 / 44 26.90 11 13/19 Henry G. & Sylvia R. Rastle Kevin M. Kearney 35.60 100.00 12 13/18 251/298 10 / 17 Marilyn Barnes, et al W28 / 552 90.00 Lewis Co. (Freemans Creek Dist.) Owner Elaine B. Mines & Helen B. Keplinger No. TM/Par Bk/Pg 14 15 1D/1 1D/5 515/317 154.25 Henry G & Sylvia Rastle 398 / 311 142.00 16 17 10/4 Fonda W. Simmons Trust 629 / 66 1D/6 Fonda W. Simmons Trust 629 / 66 83 00 18 1D/7 Fonda W. Simmons Trust 629 / 66 Fonda W. Simmons Trust Thomas R. Riley, et al 100.10 19 20 1E / 12 1E / 13 629 / 66 197.25 577 / 553 59.90 21 22 1E / 14 1E / 15 Thomas E. Rastle 51.25 Lee M. Reese & Karon L. de Silva 620 / 391 63.38 1E / 16 1E / 17 1E / 21 Rabiab & Joseph I. Schulte, Jr. Michael L. & Gwen Halliday 311 / 509 64.00 24 459 / 719 459 / 719 114.00 25 Michael L. & Gwen Halliday 26 1E/20 Michael T. Parker 784 / 409 35.48 27 28 Jane E. Fitzpatrick Horn Jane E. Fitzpatrick Horn 1F / 68 1F / 67 W44 / 246 W44 / 246 1.00 29 James R. Ireland & Kathryn A. Ireland 1F / 24 705 / 627 96.60 30 Donzel W. & Betty J. Gum 776 / 943 Edwin A. Alfred 562 / 309 135.25 1F / 27 1F / 51 32 Mike Ross Inc. 83.98 33 Waco Oil & Gas Co., Inc., et al 791 / 342 45.00 WV Minerals Inc.

DATE:

Doddridge Co. (Cove Dist.)

Owner Marilyn Barnes, et al

Carolyn R. Bass, et al Clyde W. Marsh, et al

Chestnut Oak, LLC

Willard L. Fuller, III Willard L. Fuller, III

Bk/Pg

W28 / 552

239 / 151

W36 / 152

513 / 465

679 / 274

July 29

OPERATOR'S WELL NO. Barnes 1223 S-7H

189.34

Ac. 76.10

120.00

149.00

91.75

89.00

Submeter	OIL AND CAR DIVIDION	API WELL NO
PROVEN SOURCE OF ELEVATION: CORS, Bridgeport, WV	OIL AND GAS DIVISION	47 — 017 — 06978 STATE COUNTY PERMIT
WELL TYPE: □ OIL ☒ GAS (IF GAS) PRODUCTION:	□ LIQUID INJECTION □ WASTE DISPOSAL □ STORAGE □ DEEP ☒ SHALLOW	SIMIL SOOMIT FERMIT
LOCATION: ELEVATION: 1,330' WA'DISTRICT: Cove	TERSHED: Fink Creek	QUADRANGLE: Vadis
SURFACE OWNER: Marilyn Barnes, et	a!	COUNTY: Doddridge
ROYALTY OWNER: Carolyn Rastle B	ass, et al	ACREAGE <mark>08/28/2024</mark> ACREAGE:123_
DI EN ONATE NEW FORWATION	NVERT DRILL DEEPER SFRACTURE OR STIMUL	ATE PLUG OFF OLD FORMATION
☐ PLUG AND ABANDON ☐ CLEAN C	OUT AND REPLUG TARGET FORMATION: Marcellus	Shale ESTIMATED DEPTH: 32,103' MD
1		

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

WW-6A1 (5/13)

Operator's Well No.	Barnes 1223 S-7₽	200000000
Operator's Well No.	241.100 1220 0 114	200000000

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

RECEIVED Office of Oil and Gas

See Attached Sheets

AUG 9 2024

WV Department of Environmental Protection

Co-Tenancy utilization - At least 75% of the royalty owners have consented to the lawful use or development of the natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-Tenancy Act

Horizontal Well Unit Utilization - Subjet to unitilization filing with te WV Oil and Gas Conservation Commission

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
Its:	Agent

Page 1 of 11

HG Energy II Appalachia, LLC Barnes 1223 S-7H Lease Chain

	LEGACY LEASE							
1223S Tract	NUMBER	TAX MAP	LEASE NUMBER	GRANTOR/LESSOR	GRANTEE/LESSEE	ROYALTY	DEED BOOK	PAG
				Carolyn Rastle Bass	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	520	
				Marilyn Rastle Barnes	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	520	
1	HGII02150 et al	02-0010-0016-0000	HGII02150 et al	Richard E. Spracklen	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	521	
-	1101102100 01 01	02 0010 0010 0000	1101102100 01 01	Chad W. Johnson			500	
					HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8		
				James J. Cava, Jr.	HG ENERGY II APPALACHIA LLC	NOT LESS THAN 1/8	501	
				James L. Marsh	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	515	
				Carol Ann Henry	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	515	
				Donna Jean Getsinger	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	515	
				Jane White AKA Carolyn Jane White	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	515	
				Alice Margaret Rastle Taylor	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	514	
				Yvonne Foster	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	514	
				Henry Gray Rastle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	514	
				Maxine Cole Rastle aka Maxine S. Rastle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	512	
				Helen J. McClain	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	516	
				Christine A. Davis Wampler	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	512	
				Nroma C. Bowyer AKA Norma Sue (Cole) Bowyer	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	516	
2				Cheryl DeWeese	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	521	
				Richard Gage Spray	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	513	
				James Edward Postle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	531	
				Michael Eric Robertson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	521 524	
				St. Johannes Lutheran Church of St. Clara, by Phyllis Hinterer, Clara Mae Spray, Marion Zorn, Rebecca Strickling,			524	
			HGII03136 ET AL	and James Strickling Church Council Members	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		
	HGII03136 ET AL	02-0009-0020-0000		Karen Walters Gardner	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	532	:
				William Douglas Robertson	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	532	1
				Gail Frost Venrick, a/k/a, Gail F. Venrick	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Amanda E. Hamilton	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Andrew L. Frost	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				George Kent Walters	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	/
				Deborah Lee (Spray) Anderson Guy	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Susan Lorraine (Spray) Robertson	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	/
				Janet Lynne (Spray) Masimer	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Robert Daniel Spray	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	,
				The Estate of Timothy David Spray, by Cheryl Deweese, Administrator	HO ENERGY II ARRALACIIIA III C	COTEMANOV AFFIDANCIT	70	/
				Kathleen Postle	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	_
				Joel David Robertson	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Randall Bruce Robertson	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				unknown heirs or successors of Eleanor Jean Landis	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Phillip C. Parker aka Phillip C. Parker	HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				Pamela Kinzel AKA Pamela S. Liotta	HG ENERGY II APPALACHIA, LLC HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT COTENANCY AFFIDAVIT	70	
	 			Asset Management, LLC	III ENERGY II AFFALACIIA, LEC	COTENANCI AITIDAVII	526	
				Asset Managerien, LLC Clay Gatlin, managing member Send docs to John Foster Tyra, PC (Legal Counsel) 3496 Firethorn Dr., Tuscaloosa, AL 35405			520	
					HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		ــــــ
				Dale/Peregrine Minerals Fund, LP	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	516	1

	1 1		i	Southland Capital Realty Group, LLC	1		525	1
				Southland Capital Realty Group, LLC			525	1
				T. Todd Martin, III, managing member				1
				Selwyn H. Turner, III, managing member				1
				Elizabeth Turner, managing member	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	500	
				Panacea Energy, Inc.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	529	
				Upstream Energy, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	525	ь—
				Billy R. Powell	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	510	ь—
2	LICHORORE ET AL	02 0000 0027 0000	LICHODODE ET AL	Estate of Nannie Bell Broocks "Red" Womack, Ellen Womack Giles, Executrix	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		1
3	HGII03825 ET AL	02-0009-0027-0000	HGII03825 ET AL	Rawls Energy, LLC	III ENERGY II ALI ALACHIA, LLC	NOT LESS THAN 1/0	531	$\overline{}$
				2.10.g), 220				1
				James H. Rawls, Managing Member	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		<u> </u>
				Homer Roberts Collins	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	528	<u> </u>
				Gold City Mineral Partners, LP	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	507	Щ.
				William Kirkpatrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	533	<u> </u>
				Sylvia Kirkpatrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	533	<u> </u>
				Marilyn Allen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	510	<u> </u>
				James E. Poole, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	518	
				Dale Williston Minerals 2012-B, LP	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				John C. Sipple	HG ENERGY II APPALACHIA, LLC	Drilling and Permission to Permit Agreement	535	1
				Pinebelt Oil & Gas, Inc.	HG ENERGY II APPALACHIA, LLC	Drilling and Permission to Permit Agreement	535	
				Robert M. Newsome	HG ENERGY II APPALACHIA, LLC	Drilling and Permission to Permit Agreement	535	1
				Petroleum Properties, LLC	HG ENERGY II APPALACHIA, LLC	COTENANCY AFFIDAVIT	70	
				William M. Bailey aka William M. Baily	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	513	
				Sara S. Bailey	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	509	l
4	HGII031014 ET AL	02-0009-0026-0000	HGII031014 ET AL	Jan Martin Pira	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	510	l
4	HGIIUSIUI4 ET AL	02-0013-0020-0000	HGIIO31014 ET AL	Lewis Edward Pira AKA Edward Pira	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	511	l
				Gunnar Folke Pira	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	511	i
				Lauren Elisabeth Pira AKA Lauren Elisabeth Pira Nelson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	511	ĺ
	HGII02628 / HGII03507			Carolyn Davita Woofter Chancellor			508	i
		02-0013-00015-0000 02-0013-00015-0001 02-0013-00015-0002 02-0013-00015-0003 02-0013-00015-0004	13-00015-0001 13-00015-0002 13-00015-0003 HGII02628 / HGII03507					1
					HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		1
5				Janice Woofter			520	
								1
		02-0013-00015-0004			HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		1
				Dolores Hinterer	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	512	
				Barbara Gail Peterson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 NOT LESS THAN 1/8	512	
				Alan John Poling	· ·	NOT LESS THAN 1/8	513	
				David Kenneth Poling	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 NOT LESS THAN 1/8	512	
				Edward Mark Doak	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	534	_
				Eula Jean Ruckman. Life Estate	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8 NOT LESS THAN 1/8	513	
				Edward Mark Doak, remainderman, subject to the life estate of Eula	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	513	
				Jean Ruckman	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	513	i
		02-0013-0011-0000		Arlene Pope	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	512	1
6	HGII02973 ET AL	02-0013-0012-0000	HGII02973 ET AL	Alice Rastle Taylor aka Alice M. Rastle Taylor	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	514	$\overline{}$
		02 0010 0012 0000		Maxine Cole Rastle aka Maxine S. Rastle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	512	$\overline{}$
				Yvonne Rastle Foster	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	514	$\overline{}$
				Henry Gray Rastle	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	514	
				Unknown Heirs or Successors of Catherine F. Gray	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	556	
				Jacqueline K. Gray	HG ENERGY II APPALACHIA, LLC	MINERAL DEED	556	
				William R. Bass and Carolyn R. Bass, trustees of The Bass Living Trust	, LEC		520	<i></i>
				Dated December 2, 2019	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		<u></u>
			<u> </u>	Marilyn Barnes	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	520	
7	HGII02851	02-0013-0016-0000	HGII02851	Martin Dwight Hall	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	511	
	FK080709 FEE	02-0013-0018-0000	FK080709 FEE	DOMINION ENERGY TRANSMISSION, INC.	HG Energy II Appalachia, LLC	MINERAL DEED	740	$\overline{}$

П		02-0013-0009-0000				1	ı	
10	FK079326 FEE	02-0013-0009-0000	FK079326 FEE					
10	1 KO7 3320 1 EE	03-001D-0005-0000	TROTSSZOTEL	DOMINION ENERGY TRANSMISSION, INC.	HG Energy II Appalachia, LLC	MINERAL DEED	740	746
11	FK088480 FEE	03-001D-0004-0000	FK088480 FEE	DOMINION ENERGY TRANSMISSION, INC.	HG Energy II Appalachia, LLC	MINERAL DEED	740	746
12	FK083958 FEE	03-001D-0006-0000	FK083958 FEE	DOMINION ENERGY TRANSMISSION, INC.	HG Energy II Appalachia, LLC	MINERAL DEED	740	746
	110005501122	03 0015 0000 0000	1 11000330122	WILLIAM H. HALL AND MARY E. HALL	SOUTH PENN OIL COMPANY	NOT LESS THAN 1/8	24	364
				SOUTH PENN OIL COMPANY	SOUTH PENN NATURAL GAS CO	ASSIGNMENT	156	570
				SOUTH PENN NATURAL GAS CO	HOPE NATURAL GAS COMPANY	ASSIGNMENT	106	494
				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	51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	58	362
		03-001D-0016-0000 03-001D-0008-0000		DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	154
	FK054822			CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684	57
13	FK079060 FEE	03-001D-0008-0001	Q101029000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%)	712	848
		03-001D-0007-0000		CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	ASSIGNMENT	717	1
		03-001E-0012-0000		NOBLE ENERGY, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	722	170
				DOMINON TRANSMISSION, INC.	DOMINION ENERGY TRANSMISSION, INC.	MERGER/NAME CHANGE	WVSOS	
						SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
						THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
				FRANK RASTLE AND MARGARET A. RASTLE, HIS WIFE; AND M. J.				
				LOVETT	A. F. GUM AND G. B. DETERMAN	NOT LESS THAN 1/8	92	531
				A. F. GUM	G. B. DETERMAN	ASSIGNMENT	92	531
				G. B. DETERMAN	LOUIS BENNETT AND W. H. AHNER	ASSIGNMENT	95	576
				JOHNSON C. MCKINLEY AND HUNTER M. BENNETT, EXECUTORS OF				
				THE LAST WILL AND TESTAMENT OF LOUIS BENNETT, SR. DECEASED	AGRA B. MCKINLEY	CONVEYANCE/ASSIGNMENT	1	13
		03-001E-0011-0000 03-001E-0013-0000 03-001E-0014-0000 03-001E-0026-0000 03-001E-0028-0000		W.H. AHNER AND MYRTLE AHNER, HIS WIFE	ERNEST G. SMITH, IN TRUST	CONVEYANCE/ASSIGNMENT	15	460
				W.H. AHNER AND MYRTLE AHNER, HIS WIFE; AND ERNEST G. SMITH				
				TRUSTEE	AGRA B. MCKINLEY	CONVEYANCE/ASSIGNMENT	117	504
				HOMER THOMPSON AND RACHAEL THOMPSON, HIS WIFE	FRANK RASTLE	CONVEYANCE/ASSIGNMENT	100	329
				FRANK RASTLE AND MARGARET A. RASTLE, HIS WIFE	AGRA B. MCKINLEY	CONVEYANCE/ASSIGNMENT	118	135
				AGRA B MCKINLEY AND JOHNSON C. MCKINLEY, HER HUSBAND	ROY TALBOTT	CONVEYANCE/ASSIGNMENT	125	428
				MARY TALBOTT IN HER OWN RIGHT AND AS ADMINISTRATRIX OF THE	C. M. BENNETT, THOMAS J. GILLOOLY AND W. C. BLACK,			
				ESTATE OF ROY TALBOTT, DECEASED	PARTNERS DBA C. M. BENNETT AND COMPANY	CONVEYANCE/ASSIGNMENT	125	429
				C. M. BENNETT, THOMAS J. GILLOOLY AND W. C. BLACK, PARTNERS	CILCO OIL & CAS COMPANIV	ACCICANAENT	120	4.0
14	FK054835		0101033000	DBA C. M. BENNETT AND COMPANY	GILCO OIL & GAS COMPANY	ASSIGNMENT	129 138	46
14	FK080833 FEE		Q101032000	GILCO OIL & GAS COMPANY	SOUTH PENN OIL COMPANY SOUTH PENN NATURAL GAS CO	ASSIGNMENT ASSIGNMENT	138 156	174
				SOUTH PENN OIL COMPANY SOUTH PENN NATURAL GAS CO	HOPE NATURAL GAS COMPANY	ASSIGNMENT	166	570 494
		03-001E-0028-0001		HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	494 89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
				CONSOLIDATED GAS SUPPLY CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	CNG TRANSMISSION CORPORATION	MERGER/NAME CHANGE	425 51	795
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	31	628
				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	170
					3.1.2.1.2.1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.	SECOND AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
1		ı	•	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	<u> </u>	1	0	.55

1			1	1				
						THIRD AMENDMENT TO MEMORANDUM OF		
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	220
								7.0
				DOMINION ENERGY TRANSMISSION, INC.	HG Energy II Appalachia, LLC	MINERAL DEED	740	746
		00 0045 0045 0000		Robert K. Hudkins	Robert K. Hudkins	HUO - Hearing Scheduled for 7/30/24, Oil & Gas		
15	FK081147 FEE	03-001E-0015-0000	UNLEASED	Kall Land Halling Balandana	Kallada a Halling Dalambara	Commission	Docket 364	403
		03-001E-0015-0001		Kelly Lee Hudkins Dolan Loya Zella Keener aka Zella Jean Keener aka Zella Martin Keener	Kelly Lee Hudkins Dolan Loya Zella Keener aka Zella Jean Keener aka Zella Martin Keener	NOT LESS THAN 1/8	811	355
				Teresa A. Brooks	Teresa A. Brooks	HUO - Hearing Scheduled for 7/30/24, Oil & Gas HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
				Telesa A. Blooks	Teresa A. Brooks	Commission	Docket 364	403
				C.A. ROHR AND JANE ROHR, HIS WIFE	HOPE NATURAL GAS COMPANY	NOT LESS THAN 1/8	235	83
				HOPE NATURAL GAS COMPANY	CONSOLIDATED GAS SUPPLY CORPORATION	CONFIRMATORY DEED	294	89
				CONSOLIDATED GAS SUPPLY CORPORATION	CONSOLIDATED GAS SOFFET CORPORATION CONSOLIDATED GAS TRANSMISSION CORPORATION	ASSIGNMENT	425	127
					CNG TRANSMISSION CORPORATION		51	795
				CONSOLIDATED GAS TRANSMISSION CORPORATION		MERGER/NAME CHANGE	21	628
				CNG TRANSMISSION CORPORATION	DOMINION TRANSMISSION, INC.	MERGER/NAME CHANGE	672	154
				DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC	MEMORANDUM OF FARMOUT AGREEMENT	672	
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.	LIMITED PARTIAL ASSIGNMENT (50%)	684 712	57 848
16	FK066067	03-001E-0016-0000	Q100729000	DOMINION TRANSMISSION, INC.	CNX GAS COMPANY LLC AND NOBLE ENERGY, INC.	PARTIAL ASSIGNMENT (32%) ASSIGNMENT	712 717	848
				CNX GAS COMPANY LLC	NOBLE ENERGY, INC.			470
				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	HC FNEDCY II ADDALACIUA II C	SECOND AMENDMENT TO MEMORANDUM OF	722	400
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	723	499
						THIRD AMENDMENT TO MEMORANDUM OF	70.4	
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	FARMOUT AGREEMENT	734	558 220
				DOMINION ENERGY TRANSMISSION, INC.	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT (68%)	736	
				Susan Marie Fair	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	830
				Janet Louise Deck	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	966
				Vanessa Lynn Lucas	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	670
				Kemp Land Services, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	918
				DT Land Services, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	916
				Johnson Energy Services, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805 805	906
				Keystone Buckeye Energy Holdings, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	772
				Patricia Deal	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		
				Elsie Deal	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	809	784
				Kevin Lattea	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	810 803	83 342
				Mary Kemper Gum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		342 87
				Linda Rose O'Hara	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	
				Richard Clay Hamrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	466
				John Kent Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	794
				James B. Sumpter Phillip E. Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	788 448
					HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	448
				Bertha F. Benedum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	
				James Linn Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	460 780
				Katherine Sue France	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	809 809	
				Patricia Lynn Allen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	809 804	393 83
				Winifred Sprouse	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804 804	
				Mary Candace Sprouse Passarella aka Candace Passarella	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	265 442
				Robbin Emory Jennings Jane E. Fitzpatrick Horn	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	442
				Kimberly Byrd Brodersen AKA Kimberly D. Brodersen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	432
				· · ·	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		
				Hilda Rose Perry	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	372
				Carolyn Determan and John Determan, husband and wife Carol D. Gum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	368
					HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803 801	368 664
			1	Marjorie W. Hyatt, by and through Linda C. Weekley, her Agent and	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	064

						T			
	I				Patrick A. Nies	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	807	706
	I				Betty H. Craft, AKA Elizabeth Sarah Idella Craft, AKA Betty Dell Craft,	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	298
	I				Jack E. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	119
					Joseph C. Waggoner, Sr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	139
	I				Linda Lou Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	145
	I				Mary K. Justice, AKA Mary K. Small Justice	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	320
	I				Bea Ann Wilfong	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	314
	I		03-001E-0022-0000		Michael Lynn Small and Terry Lynn Small, husband and wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	336
	17	HGII03520 et al	p/o 03-1E-0009-0000	HGII03520 et al	Sharon Lea Senk, AKA Sharon Lea Small Senk	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	348
			p/o 03-1E-0017-0000		Raymond C. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	123
					Raymond C. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	123
					Raymond C. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	123
					Margaret J. Morley	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	129
					Dolores E. Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	807	427
					Janet Rose Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	654
					Alice Faye McQueen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	228
					Elizabeth Carol Brown	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	646
	I				Dorsey Frazier Hamrick, Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	332
	I				Barbara Jean Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	668
	I				Vickie Lynne Erickson nka Vickie Lynne Pahl	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	364
	I				William Everett Hamrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	674
					Tina Louise Hamrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	684
	I				Joseph C. Pinson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	972
					Nancy Hedlund aka Nancy Roessler	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					Randall Hedlund	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Phyllis Hedlund aka Phyllis Chapel	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Roger Hedlund	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				William Graban		, , ,	Docket 364	403
					Margaret Larson AKA Margaret Wehr	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas		403
					Cecelia Anne Gerstner	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	
						HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					John S. Ramseyer Sara R. Klein	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
						HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					Lois Ruth Thomas aka Ruth Thomas	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					Mark A. Cicoff	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					The Estate of Glenna Hope Bailey a/k/a Glenna H. Courtney,	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					Willard S.Courtney	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Marsha K. Merritt aka Marsha Kilgore	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Steven L. Bailey	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					Nicholas L. Bailey	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Charlotte Courtney Horne	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Judith Kay Case	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Steven Jay Hamrick	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				James Michael Burnside	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
	I				Joan Burnside Anderson	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					The Estate of Mark R. Fitzpatrick	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	403
					Mary Kathern Hull	HG ENERGY II APPALACHIA, LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas Commission	Docket 364	403
					Susan Marie Fair			802	968
	I								
	I								
	I					HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		
	I				Janet Louise Deck	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	964
	I				Vanessa Lynn Lucas	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	970
	I				Kemp Land Services, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	922
	I				DT Land Services, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	914
I					Johnson Energy Services, LLC	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	908
					John Son Energy Oct vices, LEO		INOT LESS THAIN 1/O		

1	1	1	I	Patricia Deal	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	809	774
				Elsie Deal	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	809	776
				Kevin Lattea	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	810	79
				Mary Kemper Gum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	340
				Linda Rose O'Hara	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	89
				Richard Clay Hamrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	472
				John Kent Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	798
				James B. Sumpter	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	792
				Phillip E. Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	446
				Bertha F. Benedum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	454
				James Linn Burnside	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	458
				Katherine Sue France	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		
				Patricia Lynn Allen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	809	391
				Winifred Sprouse	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	81
				Mary Candace Sprouse Passarella aka Candace Passarella	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	263
				Joseph C. Pinson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	974
				Robbin Emory Jennings	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	438
				Jane E. Fitzpatrick Horne	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	476
				Kimberly Byrd Brodersen AKA Kimberly D. Brodersen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	436
				Hilda Rose Perry and William Perry, husband and wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	370
				Carolyn Determan	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	374
				Carol D. Gum	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	804	464
				Marjorie Hyatt, by and through Linda C. Weekley, her Agent and	, ,	,	801	660
				Attorney-In-Fact.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8		
				Patrick A. Nies	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	807	710
				Betty H. Craft, AKA Elizabeth Sarah Idella Craft, AKA Betty Dell Craft, by and through Melinda Witt her Agent and Attorney-In Fact.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	296
				Jack E. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	121
				Joseph C. Waggoner, Sr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	135
				Linda Lou Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	141
				Mary K. Justice, AKA Mary K. Small Justice	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	318
				Bea Ann Wilfong	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	312
				Michael Lynn Small and Terry Lynn Small, husband and wife	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	300
				Sharon Lea Senk, AKA Sharon Lea Small Senk	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	346
				Raymond C. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	125
				Raymond C. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	125
				Raymond C. Waggoner	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	125
				Margaret J. Morley and Lloyd Morley, wife and husband	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	805	131
				Dolores E. Small	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	807	429
				Janet Rose Dawson	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	326
		03-001F-0067-0000		Alice Faye McQueen	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	328
62	HGII03522 et al	03-001F-0068-0000	HGII03522 et al	Elizabeth Carol Brown	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	330
02	1101105522 Ct di	p/o 03-1E-0017-0000	1101103322 Ct di	Dorsey Frazier Hamrick Jr.	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	334
		p/o 03-1E-0020-0000		Barbara Jean Evans	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	801	666
				Vickie Lynne Erickson nka Vickie Lynne Pahl	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	802	309
				William Everett Hamrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	807	431
				Tina Louise Hamrick	HG ENERGY II APPALACHIA, LLC	NOT LESS THAN 1/8	803	308
				Nancy Hedlud aka Nancy Roessler		HUO - Hearing Scheduled for 7/30/24, Oil & Gas		
					HG ENERGY II APPALACHIA, LLC	Commission	Docket 364	403
				Randall Hedlund		HUO - Hearing Scheduled for 7/30/24, Oil & Gas		
				Dh. Ilia Hadhaad aha Dh. Ilia Chanal	HG ENERGY II APPALACHIA, LLC	Commission	Docket 364	403
				Phyllis Hedlund aka Phyllis Chapel	LIC ENERGY II ADDALAGUIA 11 C	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	D. 1 : 25:	
				Described and	HG ENERGY II APPALACHIA, LLC	Commission	Docket 364	403
				Roger Hedlund DOD 8/16/2023 Gwinnett Co., GA	LIC FAIFDCY II ADDALACHIA LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Devil at 201	400
				William Graban	HG ENERGY II APPALACHIA, LLC	Commission	Docket 364	403
				william Graban	HC ENERGY II ADDALACHIA LLC	HUO - Hearing Scheduled for 7/30/24, Oil & Gas	Docket 364	402
I	ı		1		HG ENERGY II APPALACHIA, LLC	Commission	Docket 364	403

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Miles Referry in APPALACHIA, LC Commission Docket 364	HG ENREY II APPALACHIA, LLC Commission Docket 364 403
Los Ruth Thomas also Ruth Thomas High Premise also Ruth Th	Lois Ruth Thomas akin Ruth Thomas HIG ENERGY II APPALACHIA, LLC Commission
Maria A. Cozill High PREMIST APPALACHIA, LLC Commission Docket 384 HIGH PREMISTRA (Maria As Maria As	Ho ENERGY II APPALACHIA, LLC Commission Cocker 364 403
Mark A. Cicrift The Estate of Cisenna Hope Balley alvis Gleman H. Courtiney. Mark A. Cicrift The Estate of Cisenna Hope Balley alvis Gleman H. Courtiney. Mark A. More alvis Mark Marina six Misens Successor Executiv Williand S. Courtiney Williand S. Courtiney Decisional -000 94/2001 in Chernikae Co., N.C. H. G. FRERSY II APPALACHIA, LLC Commission Decket 364 Decket 364 Decket 364 Decket 364 Sawon L. Balley Decisional -000 44/2000 in Code Co., GA H. G. FRERSY II APPALACHIA, LLC Commission Decket 364 Nicholas L. Balley Charlotte Countrey Home H. G. FRERSY II APPALACHIA, LLC Commission Decket 364 Nicholas L. Balley Charlotte Countrey Home H. G. FRERSY II APPALACHIA, LLC Commission Decket 364 Decket 364 Nicholas L. Balley Charlotte Countrey Home H. G. FRERSY II APPALACHIA, LLC Commission Decket 364 Decket 364 Decket 364 Decket 365 Decket 364 Decket 366 Decket 3	Mark A. Cisoff The Estatis of Glernal Hope Bailey ank Glernal H. Courtney, Marsha K. Merrit and Marsha K. Kilipror Successor Executinx H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD 91/2001 in Cherokee Co. NC H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD 91/2001 in Cherokee Co. NC H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD 91/2001 in Cherokee Co. NC H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD 91/2001 in Cherokee Co. NC H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD 91/2001 in Cherokee Co. NC H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD 91/2001 in Cherokee Co. NC H. ENERGY II APPALACHIA, LLC Commission Deceased - DOD: 409/2000 in Cobb Co., GA H. ENERGY II APPALACHIA, LLC Commission Nicholas L. Bailey Deceased - DOD: 409/2000 in Cobb Co., GA Nicholas L. Bailey H. ENERGY II APPALACHIA, LLC Commission Decket 364 403 Deceased - DOD: 409/2000 in Cobb Co., GA H. ENERGY II APPALACHIA, LLC Commission Decket 364 Deceased - DOD: 409/2000 in Cobb Co., GA Nicholas L. Bailey H. ENERGY II APPALACHIA, LLC Commission Decket 364 Deceased - DOD: 409/2000 in Cobb Co., GA Deceased - DOD: 409/2000 in Cobb Co.,
The Estate of Glerras Hope Bailey aking Glerras H. Courtiey, Marsha K. Meritt aka Materia K. Kilgore Successor Executor Williand S. Courtiery Deceased - DOD 84/2001 in Cherokas Co., NC Mistria K. Meritt aka Materia K. Kilgore Successor Executor Williand S. Courtiery Deceased - DOD 94/2001 in Cherokas Co., NC Mistria K. Meritt aka Materia K. Rigore Mistria K. Meritt aka Materia K. Rigore Mistria K. Meritt aka Materia K. Rigore Mistria K. Meritt aka Materia Kilgore Mistria K. Meritt aka Materia	HE EXERTY II APPALACHIA, LLC Commission Docket 364 403
The Estate of Gliman Rope Balley also (Somma H. Courtmey, Mandar K. Merrit als Mandar K. Kilgere Successed Execution (S. ENERGY II APPALACHIA, LLC. Commission Conversed Processed Pr	The Estate of Glema Hope Bailey arkia Gleman H. Courtney, Marsha K. Merrita kan Marsha K. Kilgore Successor Executiv Willard S. Courtney HIG ENERGY II APPALACHIA, LLC Commission Deceased - D-OD 84/2001 in Cherokee Co., NC HIG ENERGY II APPALACHIA, LLC Commission HIU - Hearing Scheduled for 7/30/24, Oil & Gas Commission Docket 364 403 Docket 364 A03 Docket 364 Docket
Mansha K. Kerlint aka Marsha K. Kilgore Successor Executrix Williard S. Countrey Discrete Sc. Outcomes Discret	Marsha K. Meritt aka Marsha K. Kilgore Successor Executinx Willard S. Courney Deceased - DOD 9/4/2001 in Cherokee Co., NC H 6 ENERGY II APPALACHIA, LLC Commission Docket 364 403 Marsha K. Merritt aka Marsha Kilgore H 6 ENERGY II APPALACHIA, LLC Commission Docket 364 403 Marsha K. Merritt aka Marsha Kilgore H 6 ENERGY II APPALACHIA, LLC Commission Docket 364 403 Morbides L. Bailey Deceased - DOD: 4/8/2000 in Cobb Co., GA H 6 ENERGY II APPALACHIA, LLC Commission Docket 364 Michael Surviva L. Bailey Deceased - DOD: 4/8/2000 in Cobb Co., GA H 6 ENERGY II APPALACHIA, LLC Commission HUO - Hearing Scheduled for 7/30/24, Oil & Gas Docket 364 Michael Surviva L. Bailey Docket 364 Michael Burnside Docket 364 Michael R. Rizpatrick Jane Horn, Administratrix H G ENERGY II APPALACHIA, LLC Commission Docket 364 Michael R. Rizpatrick Jane Horn, Administratrix H G ENERGY II APPALACHIA, LLC Commission Docket 364 Michael R. Rizpatrick Jane Horn, Administratrix H G ENERGY II APPALACHIA, LLC Commission Docket 364 Michael R. Rizpatrick Jane Horn, Administratrix H G ENERGY II APPALACHIA, LLC Commission Docket 364 Michael R. Rizpatrick Jane Horn, Administratrix H G ENERGY II APPALACHIA, LLC Commission Docket 364 Michael R. Rizpatrick Jane Horn, Administratrix H G ENERGY I
Willard S.Countey Decessed - DOD 442001 in Cherokoe Co, NC HIG TRERGY II APPAIACHIA, LLC Commission HIU0 - Hearing Scheduled for 736/24, Oil & Gas Docket 366 Marshak K. Meritt skis Marshak Kilgore HIG TRERGY II APPAIACHIA, LLC Gommission Docket 366 Niciolasa L. Bailey Decessed - DOD - 482000 in Cobb Co., GA HIG TRERGY II APPAIACHIA, LLC HIU0 - Hearing Scheduled for 738/24, Oil & Gas Docket 366 Niciolasa L. Bailey HIG ENERGY II APPAIACHIA, LLC Commission Docket 366 Niciolasa L. Bailey HIG ENERGY II APPAIACHIA, LLC Commission Docket 366 Charlotee Country Home HIG ENERGY II APPAIACHIA, LLC Commission Docket 366	Willard S.Courtney
Deceased - DOD 9/4/2001 in Cherchee Co., NC HG ENERGY II APPALACHIA, LLC Commission Comm	HUC - Hearing Scheduled for 7/30/24, 0il & Gas Docket 364 403
Deceased - DOD 64/2001 in Charolace Co, NC MC GENERCY II APPALACHIA, LLC Commission Docket 364 Marsh K. Memit ask Marsha Kilgore Higher Marsha Higher Higher Marsha Kilgore Higher H	Deceased - DOD 3/4/2010 in Cherokee Co., NC Marsha K. Merritt ak Marsha Kilgore HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Steven L. Bailey Deceased - DOD: 4/8/2000 in Cobb Co., GA HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Nicholas L. Sailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Nicholas L. Sailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Charlotte Courtney Home HG ENERGY II APPALACHIA, LLC Commission Docket 364 HG ENERGY II APPALACHIA, LLC Commission Docket 364 DOC: 29/30220 in Hunterdon Co., NJ HG ENERGY II APPALACHIA, LLC Commission Docket 364 HG ENE
Marsha K. Merriti aka Marsha Kilgore GENERGY B. APALACHIA, LLC Commission Docket 364	Marsha K. Merritt aka Marsha Kilgore HG ENERGY II APPALACHIA, LLC MUO - Hearing Scheduled for 7/30/24, Oil & Gas Docket 364 403 Steven L. Bailey Deceased - DOD's 4/8/2000 in Cobb Co., GA HG ENERGY II APPALACHIA, LLC Commission LIU - Hearing Scheduled for 7/30/24, Oil & Gas Commission Docket 364 403 Whitholas L. Bailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Charlotte Courtney Horne HG ENERGY II APPALACHIA, LLC Dommission Docket 364 403 Docket 364 403 Docket 364 403 Docket 364 A03 Docket 364 A04 Docket 364 A05 Docket 364 A06 Docket 364 A07 Docket 364 A08 Docket 364 A08 Docket 364 A09 Blue-Hearing Scheduled for 7/30/24, Oil & Gas Commission Docket 364 A09 Docket 364 A09 Docket 364 A09 Blue-Hearing Scheduled for 7/30/24, Oil & Gas Commission Docket 364 A09
HE ENERGY II APPALACHIA, LLC Commission Docket 364 Steven L. Bailey Decased - DOD: 48/2000 in Cobb Co., GA HE ENERGY II APPALACHIA, LLC Commission. Nicholase L. Bailey HG ENERGY II APPALACHIA, LLC Commission. Charlotte Courtney Home HG ENERGY II APPALACHIA, LLC Commission. Judith Ksty Case DOD: 29/20/22 in Hunterdon Co., NJ HG ENERGY II APPALACHIA, LLC Commission. Steven Juy Homrick HG ENERGY II APPALACHIA, LLC Commission. James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. Docket 364 James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. Docket 364 James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. Docket 364 James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. The Estate of Mark R. Fitzpatrick James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. Docket 364 The Estate of Mark R. Fitzpatrick James Michael Burnaide HG ENERGY II APPALACHIA, LLC Commission. Docket 364 AIB ENERGY II APPALACHIA, LLC Commission	Steven L. Bailey Decased - DOD: 4/8/2000 in Cobb Co., GA HG ENERGY II APPALACHIA, LLC Commission Nicholas L. Bailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Nicholas L. Bailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Charlotte Courtney Horne HG ENERGY II APPALACHIA, LLC Commission Docket 364 HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 Docket 364 Dock
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Nicholas L Bailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 HUO - Hearing Scheduled for 7/30/24, Oil & Gas Docket 364 Under the Bailey HG ENERGY II APPALACHIA, LLC Commission Judith Kay Case DOC 29/20/22 in Hunterdon Co., NJ HG ENERGY II APPALACHIA, LLC HUO - Hearing Scheduled for 7/30/24, Oil & Gas Docket 364 HOU - Hearing Scheduled for 7/3	Nicholas L. Bailey HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 Charlotte Courtney Horne HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 Judith Kay Case HG ENERGY II APPALACHIA, LLC Dobby 2/9/2022 in Hunterdon Co., NJ HG ENERGY II APPALACHIA, LLC HUO - Hearing Scheduled for 7/30/24, Oil & Gas Docket 364 A03 Judith Kay Case HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 Steven Jay Hamrick HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 James Michael Burnside HG ENERGY II APPALACHIA, LLC Docket 364 HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 Joan Burnside Anderson HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 Joan Burnside Anderson HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 The Estate of Mark R. Fitzpatrick Jane Horn, Administratrix HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 The Estate of Mark R. Fitzpatrick Jane Horn, Administratrix HG ENERGY II APPALACHIA, LLC Commission Docket 364 A03 AUS ALBERT CRISLIP AND MARY CRISLIP, HIS WIFE ROBERT K. RAUS AND FRANK WHELAN NOT LESS THAN 1/8 ALST WILL AND TESTAMENT F 419
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Mary Kathern Hull HG ENERGY II APPALACHIA, LLC Commission Docket 364	Mary Kathern Hull HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 ALBERT CRISLIP AND MARY CRISLIP, HIS WIFE ROBERT KRAUS AND FRANK WHELAN ROBERT A. KRAUS, DECEASED MARY A. KRAUS (LE), THEN TO HER HEIRS LAST WILL AND TESTAMENT F 419
ALBERT CRISLIP AND MARY CRISLIP, HIS WIFE ROBERT KRAUS AND FRANK WHELAN NOT LESS THAN 1/8 74 ROBERT A. KRAUS, DECEASED MARY A. KRAUS (LE), THEN TO HER HEIRS LAST WILL AND TESTAMENT F LOTTIE M. RUPPERT AND CHARLES RUPPERT (HEIRS OF ROBERT A. KRAUS) KRAUS) EDWARD J. KRAUS DEED 158 EDWARD J. KRAUS MARY A. KRAUS (HEIRS OF ROBERT A. KRAUS) KRAUS) RALPH B. KRAUS DEED 190 R.M. KRAUS, RALPH B. KRAUS, GILBERT P. KRAUS, EDWARD J. KRAUS, LOTTIE M. RUPPERT, AND ANNA E. AVINGTON (HER	HG ENERGY II APPALACHIA, LLC Commission Docket 364 403 ALBERT CRISLIP AND MARY CRISLIP, HIS WIFE ROBERT KRAUS AND FRANK WHELAN NOT LESS THAN 1/8 74 414 ROBERT A. KRAUS, DECEASED MARY A. KRAUS (LE), THEN TO HER HEIRS LAST WILL AND TESTAMENT F 419
ALBERT CRISLIP AND MARY CRISLIP, HIS WIFE ROBERT KRAUS AND FRANK WHELAN NOT LESS THAN 1/8 74 ROBERT A. KRAUS, DECEASED MARY A. KRAUS (LE), THEN TO HER HEIRS LAST WILL AND TESTAMENT F LOTTIE M. RUPPERT AND CHARLES RUPPERT (HEIRS OF ROBERT A. KRAUS) EDWARD J. KRAUS DEED 158 EDWARD J. KRAUS AND MARJORIE KRAUS (HEIRS OF ROBERT A. KRAUS) RALPH B. KRAUS DEED 190 R.M. KRAUS, RALPH B. KRAUS, GILBERT P. KRAUS, EDWARD J. KRAUS, EDWARD J. KRAUS, LOTTIE M. RUPPERT, AND ANNA E. AVINGTON (HER	ALBERT CRISLIP AND MARY CRISLIP, HIS WIFE ROBERT KRAUS AND FRANK WHELAN NOT LESS THAN 1/8 74 414 ROBERT A. KRAUS, DECEASED MARY A. KRAUS (LE), THEN TO HER HEIRS LAST WILL AND TESTAMENT F 419
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LOTTIE M. RUPPERT AND CHARLES RUPPERT (HEIRS OF ROBERT A. KRAUS) EDWARD J. KRAUS DEED 158 EDWARD J. KRAUS AND MARJORIE KRAUS (HEIRS OF ROBERT A. KRAUS) RALPH B. KRAUS R.M. KRAUS, RALPH B. KRAUS, GILBERT P. KRAUS, EDWARD J. KRAUS, LOTTIE M. RUPPERT, AND ANNA E. AVINGTON (HER	
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EDWARD J. KRAUS AND MARJORIE KRAUS (HEIRS OF ROBERT A. KRAUS) RALPH B. KRAUS DEED 190 R.M. KRAUS, RALPH B. KRAUS, GILBERT P. KRAUS, EDWARD J. KRAUS, LOTTIE M. RUPPERT, AND ANNA E. AVINGTON (HER	
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KRAUS, LOTTIE M. RUPPERT, AND ANNA E. AVINGTON (HER	KRAUS) RALPH B. KRAUS DEED 190 496
	R.M. KRAUS, RALPH B. KRAUS, GILBERT P. KRAUS, EDWARD J.
MARY A. KRAUS, DECEASED HEIRS) INVENTORY RECORD 47	KRAUS, LOTTIE M. RUPPERT, AND ANNA E. AVINGTON (HER
	MARY A. KRAUS, DECEASED HEIRS) INVENTORY RECORD 47 321
THOMAS GILBERT KRAUS, DECEASED (HEIR OF ROBERT A. KRAUS) AGNES KRAUS AND JOHN ROBERT KRAUS MISC BOOK 17	THOMAS GILBERT KRAUS, DECEASED (HEIR OF ROBERT A. KRAUS) AGNES KRAUS AND JOHN ROBERT KRAUS MISC BOOK 17 317
JOHN ROBERT KRAUS AGNES KRAUS DEED 4	
MARY CATHERINE ATKINS, MILDRED ANN KOZAR, PAUL	
ANNE R. AVINGTON, DECEASED EDWARD AVINGTON, JR, AND MARTHA ELAINE PICKNS LAST WILL AND TESTAMENT 22	
ALICE WHELAN MCGARY, MARY WHELAN EDWARDS, ANDREW	ALICE WHELAN WILGARY, MARY WHELAN EDWARDS, ANDREW
	E MUJETAN DE MATUERNIE MUJETAN CIETON AND TURANCA
	F. WHELAN JR, KATHERINE WHELAN SLEIGH, AND THOMAS A.
MARY WHELAN EDWARDS. KATHERINE WHELAN SLEIGH.	ADREW FRANCIS WHELAN, AKA FRANK WHELAN, DECEASED WHELAN LAST WILL AND TESTAMENT E 468
ALICE W. MCGARY, DECEASED ANDREW F. WHELAN JR, AND THOMAS A. WHELAN LAST WILL AND TESTAMENT F	ADREW FRANCIS WHELAN, AKA FRANK WHELAN, DECEASED WHELAN MARY WHELAN EDWARDS, KATHERINE WHELAN SLEIGH,

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				A. F. WHELAN JR, DECEASED	FRANK WHELAN JR., SARA W. ZOBRIST, AND MARY W. TIERNEY	FIDUCIARY RECORD	6	208
					ALICE EDWARDS RILEY, THOMAS A. EDWARDS, AND EUGENE		_	
				MARY WHELAN EDWARDS, DECEASED	HUFFMAN EDWARDS	LAST WILL AND TESTAMENT	К	551
				111 111 111 12 11 12 11 11 11 11 11 11 1		E IOI WILLYMO TEOTAMIEN		331
				KATHERINE WHELAN SLEIGH, DECEASED	ANDREW FRANCIS SLEIGH AND MARGARET MALLOY SLEIGH	LAST WILL AND TESTAMENT	L	281
					FRANK WHELAN, JR (LE), THEN, ANDREW F. SLEIGH, MARY			
82	M204376001 FEE	p/o 03-001F-0053-0000	M204376001 FEE		WHELAN TIERNEY, SARAH WHELAN ZOBRIST, MARY EDWARDS			
					CUMMINGS, ALICE EDWARDS RILEY, KATHRYN L. EDWARDS,			
				THOMAS A. WHELAN, DECEASED	THOMAS A. EDWARDS AND EUGENE H. EDWARDS	LAST WILL AND TESTAMENT	M	591
				MARY CUMMINGS, DECEASED	ALICE EDWARDS RILEY	LAST WILL AND TESTAMENT	R	550
				THOMAS A. EDWARDS, DECEASED	JOHN CHARLES EDWARDS	LAST WILL AND TESTAMENT	V	280
					MARY MARGARET TIERNEY, JOHN ANDREW TIERNEY, JR, AND			
				MARY WHELAN TIERNEY, DECEASED	TERRENCE ANDREW TIERNEY	LAST WILL AND TESTAMENT	U	316
					THOMAS R. WHELAN, A.F. WHELAN, GEORGE E. WHELAN, AND			
				FRANK WHELAN JR, DECEASED	JANE WHELAN GARTON	ESTATE RECORDS	5	111
				THOMAS R. WHELAN, DECEASED	WILMA L. WHELAN, IF LIVING	LAST WILL AND TESTAMENT	52	590
				GEORGE E. WHELAN, DECEASED	KATHY S. WHELAN	LAST WILL AND TESTAMENT	52	927
					SARAH BREWSTER EDWARDS AND EUGENE H. EDWARDS, JR.			
					(AFTER DEATH OF SARAH BREWSTER EDWARDS, THEN			
				EUGENE H. EDWARDS, DECEASED	EQUALLY TO EUGENE H. EDWARDS, JR., AND ANN B. BYRDY)	LAST WILL AND TESTAMENT	V	631
				SARAH B. EDWARDS, DECEASED	GENE H. EDWARDS JR	LAST WILL AND TESTAMENT	F	361
				KATHERINE LOUISE EDWARDS, DECEASED	ALICE EDWARDS RILEY	LAST WILL AND TESTAMENT	5	23
				ANDREW SLEIGH, DECEASED	MARGARET SLEIGH	LAST WILL AND TESTAMENT	5	266
					ANDREW F. SLEIGH JR., RICHARD M. SLEIGH, AND MARY			
				MARGARET MALLOY SLEIGH, DECEASED	BERGIN S. SKIDMORE	LAST WILL AND TESTAMENT	6	612
				RICHARD M. SLEIGH, DECEASED	MARY ANN SLEIGH	LAST WILL AND TESTAMENT	23	202
				·	STEPHEN T. SLEIGH, CHRISTINE M. POPECK, AND PAUL F.			
				MARY ANN SLEIGH, DECEASED	SLEIGH	LAST WILL AND TESTAMENT	31	256
				ANDREW F. SLEIGH JR., DECEASED	SEAN RICHARD SLEIGH	LAST WILL AND TESTAMENT	30	561
				ALICE E. RILEY, DECEASED	KATHERINE L. RILEY	LAST WILL AND TESTAMENT	25	695
				CARNEGIE NATURAL GAS COMPANY	CARNEGIE PRODUCTION COMPANY	ASSIGNMENT	558	550
				CARNEGIE PRODUCTION COMPANY	EQT PRODUCTION COMPANY	MERGER/NAME CHANGE	WVSOS	222
				EQT PRODUCTION COMPANY	HG ENERGY II APPALACHIA LLC	ASSIGNMENT	804	453
				LORA D. IRELAND AND OTIS W. IRELAND, JAMES C. IRELAND, AND				
				WHITE HEIRS	W. V. PROPER	NOT LESS THAN 1/8	261	413
					ARCHBOLD VAN BEUREN, J. WALLACE WINSLOW, MANNING	·		
				W.V. PROPER	JACOB, AND LAWRENCE JACOB II	ASSIGNMENT	262	118
				WILLIAM V. PROPER	KATHERINE H. PROPER	LAST WILL AND TESTAMENT	M	6
				ARCHBOLD VAN BEUREN, J. WALLACE WINSLOW, LAWRENCE JACOB II,	ROBERT B. STALLWORTH, JR., DBA DOMINION OIL & GAS			
				AND MANNING JACOB	COMPANY	ASSIGNMENT	281	671
					ROBERT B. STALLWORTH, JR., DBA DOMINION OIL & GAS			
				KATHERINE BOWER PROPER, WIDOW	COMPANY	ASSIGNMENT	281	675

						LAWRENCE H. ANDRESON (2.5%); CHARLES B. CROW (3%);			
						HENRY E. DAVIDSON (5%); R. L. EVANS (1%); LUCILLE S. FARRIS			
						(1%); ALDO FIORAVANTI, TRUSTEE OF THE ALDO TRUST (3.5%);			
						LUCA FIORAVANTI, TRUSTEE OF THE LUCA TRUST (3.5%);			
						MERRITT W. FOSTER, JR. (5%); HENRY E. FRIEDMAN (2.5%);			
						RUSSELL T. HAMLET (2.5%); T. WHITFIELD HARRISON (3%);			
						WALTER G. HAYNES (10%); IRA M. JONES (7%); JOHN M. JONES			
						(2.5%); WILLIAM B. JONES (2.5%); FRANCIS E. KENNEY (2.5%);			
						JOEL A. LEAVITT & JULIAN J. LEAVITT (2.5%); MAX LEAVITT			
						(2.5%); ALPHONSO J. MARTIGNETTE (2.5%); CHARLES G.			
						MARTIGNETTE (2.5%); THOMAS O. PAUL (2%); WALTER S.			
						ROBERTSON, JR. (2%); JAMES L. SARNI, JR. (2%); JOSEPH W.			
						SEWELL, JR. (1%); THOMAS W. & LAJUANA STUBBS (3%);			
						ROBERT P. TRICE (1%); GEORGE P. TRODELLA (2.5%); AND			
					ROBERT B. STALLWORTH, JR., DBA DOMINION OIL & GAS COMPANY	EVELYN F. WOODMAN (1.5%)	ASSIGNMENT	291	310
					THE NATIONAL SHAWMUT BANK OF BOSTON, EXECUTOR OF THE				
					ESTATE OF RUSSELL T.HAMLET	CHARLES G. MARTIGNETTE	ASSIGNMENT	312	558
					ROBERT B. STALLWORTH, JR.	FORT WORTH ENTERPRISES, INC	ASSIGNMENT	302	608
					WALTER G. HAYNES AND PEGGY MARCUS HAYNES, HIS WIFE	BAPTIST HOSPITALS FOUNDATION OF BIRMINGHAM INC	ASSIGNMENT	311	155
					FORT WORTH ENTERPRISES INC	ROBERT B. STALLWORTH, JR	ASSIGNMENT	325	632
					LAWRENCE H. ANDERSON AND DAGMAR T. ANDERSON, HIS WIFE	IRA M. JONES	ASSIGNMENT	319	530
					T. WHITFIELD HARRISON	MARY B. HARRISON	ASSIGNMENT	327	145
					J. A. LEAVITT, J.J. LEAVITT, AND THE ESTATE OF MAX LEAVITT, BY				
					JULIAN J. LEAVITT	ROBERT B. STALLWORTH JR	ASSIGNMENT	351	165
					JAMES L. SARNI, JR	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	168
					DR. GEORGE P. TRODELLA	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	128
					ALPHONSO J. MARTIGNETTE	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	139
			03-001F-0024-0000		CHARLES G. MARTIGNETTE	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	155
	85	WACO&G-5	03-001F-0025-0000	WACO&G-5	ALDO FIORAVANTI, TRUSTEE FOR THE ALDO TRUST, AND LUCA				
			00 001. 0020 0000		FIORAVANTI, TRUSTEE FOR THE LUCA TRUST	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	171
					IRA M. JONES	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	142
					ELIZABETH F. ABRAMS	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	176
					HENRY E. DAVIDSON	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	178
					MRS. EVELYN F. WOODMAN	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	134
					JOHN M. JONES	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	150
					FRANCIS E. KENNEY	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	152
					WILLIAM B. JONES	ROBERT B. STALLWORTH, JR	ASSIGNMENT	351	122
					R. L. EVANS AND MAURINE C. EVANS	ROBERT B. STALLWORTH, JR	ASSIGNMENT	353	488
						ROBERT B. STALLWORTH, JR		372	216
					THOMAS O. PAUL	THEN TO MURRAY E. HELMERS	ASSIGNMENT	372	280
						DISCLAIMER TRUST FOR THE BENEFIT OF VIRGINIA FERGUSON		_	
						SEWELL TO TERMINATE UPON HER DEATH AND MERGED IN TO			
						THE FAMILY TRUST, LOUISE SEWELL TAYLOR, AND W. HILL			
					JOSEPH WHEELER SEWELL, JR, DECEASED	SEWELL	LAST WILL AND TESTAMENT	2	531
1					MERRITT W. FOSTER, JR	FOSSIL FUELS MANAGEMENT COMPANY	ASSIGNMENT	473	340
1					SOVRAN BANK N.A. U/W MARY B. HARRISON	DEWAYNE ALFRED	ASSIGNMENT	529	214
1					MURRAY E. HELMERS	DEWAYNE ALFRED	ASSIGNMENT	529	218
I					R. J. PENHORWOOD	DEWAYNE ALFRED	ASSIGNMENT	529	222
1					THOMAS W. STUBBS AND LAJUANA STUBBS	DEWAYNE ALFRED	ASSIGNMENT	529	226
I					WALTER S. ROBERTSON, JR.	DEWAYNE ALFRED	ASSIGNMENT	529	230
I					LUCILLE S. FARRIS	DEWAYNE ALFRED	ASSIGNMENT	529	234
l					BAPTIST HOSPITALS FOUNDATION OF BIRMINGHAM INC	DEWAYNE ALFRED	ASSIGNMENT	529	238
1					ROBERT P. TRICE	DEWAYNE ALFRED	ASSIGNMENT	529	242
- 1					FOSSIL FUEL MANAGEMENT COMPANY	DEWAYNE ALFRED	ASSIGNMENT	529	246
1			1	•				323	210

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				MELISSA S. MELVILLE, ADMINISTRATRIX WILL WILL ANNEXED OF THE				
				ESTATE OF ROBERT B. STALLWORTH, JR	DEWAYNE ALFRED	ASSIGNMENT	529	210
				JETT PETROLEUM COMPANY INC AND DEWAYNE ALFRED	JAY SHEARER DBA RED GAS COMPANY	ASSIGNMENT	556	611
				JAY SHEARER DBA RED GAS COMPANY	TRIAD ENERGY CORP OF WVA INC	ASSIGNMENT	568	5
				TRIAD ENERGY CORPORATION	TRIAD HUNTER LLC	ASSIGNMENT	641	333
				TRIAD HUNTER LLC	WACO OIL & GAS CO INC	ASSIGNMENT	679	476
				ROBERT D. STUART III AND LINDA VINCENT, ATTORNEYS-IN-FACT FOR				
				ROBERT D. STUART JR	DEWAYNE ALFRED	ASSIGNMENT	529	194
				JOANNE HUMPHREY NOR	DEWAYNE ALFRED	ASSIGNMENT	529	198
				REX D. JOHNSON	DEWAYNE ALFRED	ASSIGNMENT	529	202
				HOWARD R. BIGGERS	DEWAYNE ALFRED	ASSIGNMENT	529	206
				TRIAD HUNTER LLC	WACO OIL & GAS CO INC	ASSIGNMENT	679	476
				WACO OIL & GAS CO INC	HG ENERGY II APPALACHIA, LLC	ASSIGNMENT	802	947
				ANDREW EDMISTON JR. AND MERLE W. EDMISTON, HIS WIFE;				
				MATTHEW EDMISTON AND NELLIE MCWHORTER EDMISTON, HIS				
				WIFE; EDWARD A. BRANNON AND IRMA C. BRANNON, HIS WIFE; IDA				
				J. WARDER; ELLA M. FLANNERY; GEORGE W. NORVELL AND MARY W.				
				NORVELL, HIS WIFE; FRANK WYATT AND VIRGINIA E. WYATT, HIS WIFE;				
				AND LOISE EDWARDS	MCCALL DRILLING CO	NOT LESS THAN 1/8	148	80
		p/o 03-001F-0050-0000		MCCALL DRILLING COMPANY INC	KEWANEE OIL COMPANY	ASSIGNMENT	293	132
88	RRE1	p/o 03-001F-0051-0000	RRE1	KEWANEE OIL COMPANY	KEWANEE INDUSTRIES INC	SPECIAL WARRANTY DEED	368	609
		p/o 03-001F-0052-0000		KEWANEE INDUSTRIES INC	GULF OIL CORPORATION	CONVEYANCE	369	25
		μ/0 03-001F-0052-0000		GULF OIL CORPORATION	CHEVRON USA INC	MERGER/NAME CHANGE	wvsos	
				CHEVRON USA INC	ANGERMAN ASSOCIATES INC	ASSIGNMENT	451	63
				ANGERMAN ASSOCIATES INC	PETROLEUM DEVELOPMENT CORPORATION	ASSIGNMENT	537	35
				PETROLEUM DEVELOPMENT CORPORATION	PDC MOUNTAINEER LLC	ASSIGNMENT	640	568
				PDC MOUNTAINEER LLC	RIVER RIDGE ENERGY LLC	MERGER/NAME CHANGE	3	697
				RIVER RIDGE ENERGY LLC	HG ENERGY II APPALACHIA, LLC	JOA DRILLING AGREEMENT	562	522

MEMORANDUM OF DRILLING AGREEMENT/ PERMISSION TO PERMIT AND DRILL

WITNESSETH:

WHEREAS, NON-OPERATOR is the lessee of record under those certain oil and gas leases and/or owner of certain oil and gas fee interests in the Target Depths (defined below) as set forth on Exhibit A attached hereto (collectively "The Properties") or as located within the unit more particularly set forth on Exhibit B attached hereto ("the "Unit"); and

WHEREAS, NON-OPERATOR and OPERATOR did execute that certain DRILLING AGREEMENT / PERMISSION TO PERMIT AND DRILL (the "<u>Drilling Agreement</u>"), executed contemporaneously herewith, in which NON-OPERATOR agreed to grant OPERATOR certain rights to operate The Properties, and the Parties wish to place this Memorandum of record to put all persons on notice of same.

NOW, THEREFORE, That for and in consideration of the sum set forth in the DRILLING AGREEMENT, paid in hand, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, the Parties agree as follows:

- 1. The Parties hereto acknowledge the accuracy of the foregoing recitals, which are hereby incorporated herein by reference and made a part hereof.
- 2. The Drilling Agreement is dated the MARCH 12th, 2024 and is effective as of MARCH 12, 2024 (the "Effective Date").
- 3. The term of the Drilling Agreement is for a term beginning on the Effective Date and ending Five (5) years therefrom and so long thereafter if a well is drilled hereunder, until terminated as set forth in paragraph 10 of the Drilling Agreement, or unless otherwise extended by the Parties as set forth in the Drilling Agreement.
- 4. The Drilling Agreement applies to the Target Depths in The Properties. "<u>Target Depths</u>" means the Marcellus Shale Formation, defined as: from the stratigraphic equivalent of the top of the Tully Limestone at 6,688 feet to the stratigraphic equivalent of the Base of the

- Marcellus Shale at a depth of 6,940 feet, as seen in the HG ENERGY II APPALACHIA, LLC's KST5 DH (API 047-033-05817) well logs dated February 9, 2015.
- 5. Under the Drilling Agreement, Non-Operator granted to Operator rights to conduct oil and gas operations on The Properties and the Unit, including without limitation, the right to apply for and obtain all applicable well drilling permits, horizontal unitization orders, and any governmental approvals for the drilling of one or more wellbore laterals in, under, and through the Properties in the Unit, and to drill, complete, operate, and produce oil, gas and other constituents from such wells, as well as to pool or unitize The Properties.
- 6. The Drilling Agreement will be binding upon Operator and Non-Operator, and their respective successors and assigns. In the event of any assignment or transfer of the Drilling Agreement, the assigning or transferring party shall require such assignee or transferee to expressly assume and be bound by the terms of the Drilling Agreement. This Memorandum shall be governed by the laws of the State of West Virginia. Operator and Non-Operator each represents and warrants that the individual signing this Memorandum on its behalf has the authority to do so and to bind the respective party. This Memorandum may be executed in any number of counterparts, each of which shall be considered an original for all purposes, and all of which, when taken together, shall constitute one and the same instrument.
- 7. The Drilling Agreement contains additional terms and conditions not repeated herein; nonetheless, the full terms and conditions of the Drilling Agreement shall control and this Memorandum shall not be considered in any way a modification or alteration of the Drilling Agreement.
- 8. This Memorandum may be executed in counterparts, each of which shall be deemed an original instrument, but all such counterparts together shall constitute one and the same instrument.

[SIGNATURE PAGES FOLLOW]

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IN WITNESS WHEREOF, the Parties have caused this This Memorandum of Drilling Agreement/Permission to Permit and Drill to be executed by their respective duly authorized representatives, as of the date first written above.

NON-OPERATOR:

By: John C. Sipple

ACKNOWLEDGEMENT

STATE OF Alabama :
COUNTY OF SALCHIO :

BEFORE ME, a Notary Public in and for said county and state, personally appeared John C. Sipple, who acknowledged to me that he is a duly authorized officer of said company, and that he did execute the foregoing instrument and that the same is his free act and deed and the free act and deed of said company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at the period of this day of this day of this day of the commission Expires November 8, 2025

TIFFANEY WILLIAMSON Notary Public Alabama State at Large Notary Public

OPERATOR:

HG ENERGY II APPALACHIA, LLC

By:

Jared Hall - President

ACKNOWLEDGEMENT

STATE OF WEST VIRGINIA COUNTY OF WOOD

BEFORE ME, a Notary Public in and for said county and state, personally appeared Jared Hall, President of HG Energy II Appalachia LLC, who acknowledged to me that he is duly authorized officer of said company, and that he did execute the foregoing instrument and that the same is his free act and deed and the free act and deed of said company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at PARKELSBURG WV, this day of APRIL , 2024.

My Commission Expires:

Notary Public

OFFICIAL SEAL NOTATY PUBLIC STATE OF WEST VIRGINIA Mark J Schall ING Energy LLC 5260 DUPONT ROAD PANKLRSBURG GW 26105 MY COUNGSCHIEPER S MY T WATER 2, 2006

This instrument prepared by HG Energy II Appalachia, LLC 5260 Dupont Road Parkersburg, WV 26101

EXHIBIT A

PROPERTIES

County	District	State	Grantor	Grantee	Date	Parcel #	Book	Page
Doddridge	Cove	WV	Asset Management, LLC	John C. Sipple	8-23-2013	p/o 2-13-16	312	372
				<u>.</u>		2-9-27		

Doddridge County Lorena C.(Catee) Slater, Clerk Instrument 360723 04/16/2024 @ 10:01:21 AM MEMORANDUM OF O&G LEASE Book 535 @ Page 144 Pages Recorded 6

13.00

<u>Exhibit "B"</u> Preliminary Unit Plat

Pocording Cost \$ EXHIBIT "A" 1223-S-7H UNIT Freemans Creek District, Lewis County & Cove District, Doddridge County, WV 1223-S-7H UNIT - 567.046412 Acres Tract Unit Acreage PID 0.052747 02-10-16 1 2 0.589390 02-9-20 3 10.583186 02-9-27 4 18.396240 02-9-26 5 21.619900 02-13-15.2 6 37.673126 02-13-11 7.1 37.606838 p/o 02-13-16 8 14.564880 02-13-18 10 37.411323 03-10-5 11 32.896794 03-10-4 12 21.995273 03-10-6 13.1 55.619872 03-1E-12 13.2 9.245894 03-1D-7 14.1 43.536894 03-1E-13, 14 15 21.505388 03-16-15 16 20.581368 03-1E-16 17 48.182438 03-1E-17 60 2.542170 02-13-16.1 61 7.443776 03-16-20, 21 62 13.652832 03-1E-17, 18, 19 63 0.276096 p/o 03-1E-17 82 15.814905 03-1F-53 85.1 8.041137 03-1F-24, 25 85.2 36.612362 03-1F-24, 25 86 1.812515 p/o 03-1F-52 87 5.365641 03-1F-51, 52 88 42.662601 p/o 03-1F-51, 52 91 0.760824 03-1D-1 Map Showing: 분 1223-S-7H UNIT Freemans Creek District, Lewis County & Cove District, Doddridge County 11/30/2023

nu Enekol ALEX JOHNS SEKO DUPCINT RO PARKERSBURG WV 26101-7711

MEMORANDUM OF DRILLING AGREEMENT/ PERMISSION TO PERMIT AND DRILL

WITNESSETH:

WHEREAS, NON-OPERATOR is the lessee of record under those certain oil and gas leases and/or owner of certain oil and gas fee interests in the Target Depths (defined below) as set forth on Exhibit A attached hereto (collectively "The Properties") or as located within the unit more particularly set forth on Exhibit B attached hereto ("the "Unit"); and

WHEREAS, NON-OPERATOR and OPERATOR did execute that certain DRILLING AGREEMENT / PERMISSION TO PERMIT AND DRILL (the "<u>Drilling Agreement</u>"), executed contemporaneously herewith, in which NON-OPERATOR agreed to grant OPERATOR certain rights to operate The Properties, and the Parties wish to place this Memorandum of record to put all persons on notice of same.

NOW, THEREFORE, That for and in consideration of the sum set forth in the DRILLING AGREEMENT, paid in hand, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, the Parties agree as follows:

- 1. The Parties hereto acknowledge the accuracy of the foregoing recitals, which are hereby incorporated herein by reference and made a part hereof.
- 2. The Drilling Agreement is dated the MARCH 8T#, 2024 and is effective as of MARCH 87#, 2024 (the "Effective Date").
- 3. The term of the Drilling Agreement is for a term beginning on the Effective Date and ending Five (5) years therefrom and so long thereafter if a well is drilled hereunder, until terminated as set forth in paragraph 10 of the Drilling Agreement, or unless otherwise extended by the Parties as set forth in the Drilling Agreement.
- 4. The Drilling Agreement applies to the Target Depths in The Properties. "<u>Target Depths</u>" means the Marcellus Shale Formation, defined as: from the stratigraphic equivalent of the top of the Tully Limestone at 6,688 feet to the stratigraphic equivalent of the Base of the

- Marcellus Shale at a depth of 6,940 feet, as seen in the HG ENERGY II APPALACHIA, LLC's KST5 DH (API 047-033-05817) well logs dated February 9, 2015.
- 5. Under the Drilling Agreement, Non-Operator granted to Operator rights to conduct oil and gas operations on The Properties and the Unit, including without limitation, the right to apply for and obtain all applicable well drilling permits, horizontal unitization orders, and any governmental approvals for the drilling of one or more wellbore laterals in, under, and through the Properties in the Unit, and to drill, complete, operate, and produce oil, gas and other constituents from such wells, as well as to pool or unitize The Properties.
- 6. The Drilling Agreement will be binding upon Operator and Non-Operator, and their respective successors and assigns. In the event of any assignment or transfer of the Drilling Agreement, the assigning or transferring party shall require such assignee or transferee to expressly assume and be bound by the terms of the Drilling Agreement. This Memorandum shall be governed by the laws of the State of West Virginia. Operator and Non-Operator each represents and warrants that the individual signing this Memorandum on its behalf has the authority to do so and to bind the respective party. This Memorandum may be executed in any number of counterparts, each of which shall be considered an original for all purposes, and all of which, when taken together, shall constitute one and the same instrument.
- 7. The Drilling Agreement contains additional terms and conditions not repeated herein; nonetheless, the full terms and conditions of the Drilling Agreement shall control and this Memorandum shall not be considered in any way a modification or alteration of the Drilling Agreement.
- 8. This Memorandum may be executed in counterparts, each of which shall be deemed an original instrument, but all such counterparts together shall constitute one and the same instrument.

[SIGNATURE PAGES FOLLOW]

The remainder of this page left intentionally blank.

IN WITNESS WHEREOF, the Parties have caused this This Memorandum of Drilling Agreement/Permission to Permit and Drill to be executed by their respective duly authorized representatives, as of the date first written above.

NON-OPERATOR:

Pinebelt Oil & Gas, Inc

By: James W. Fugate

Ditle: President

ACKNOWLEDGEMENT

STATE OF	Florida	;
COUNTY OF	Santa Rosa	

BEFORE ME, a Notary Public in and for said county and state, personally appeared James W. Fugate, President of Pinebelt Oil and Gas, Inc., who acknowledged to me that he is duly authorized officer of said company, and that he did execute the foregoing instrument and that the same is his free act and deed and the free act and deed of said company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at , this 8 day of March , 20 24.

My Commission Expires: 1 - 6 - 26

Marci Z. Bergmann
Notary Public

MARCIL. BERGMANN
MY COMMISSION #HH214053
EXPIRES: JAN 06, 2026
Bonded through 1st State Insurance

OPERATOR:

HG ENERGY II APPALACHIA, LLC

By:

Jared Hall - President

ACKNOWLEDGEMENT

STATE OF WEST VIRGINIA COUNTY OF WOOD

BEFORE ME, a Notary Public in and for said county and state, personally appeared Jared Hall, President of HG Energy II Appalachia LLC, who acknowledged to me that he is duly authorized officer of said company, and that he did execute the foregoing instrument and that the same is his free act and deed and the free act and deed of said company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at PARKELSBURG, WV, this _______, 20 24.

My Commission Expires: 11/2/2026

Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Mark J Schall
HG Energy LLC
5250 DUPONT ROAD
PARKLISBURG WY 26105
MY COMMERCIAL POPERS MAY HAVE R 2, 2008

This instrument prepared by HG Energy II Appalachia, LLC 5260 Dupont Road Parkersburg. WV 26101

EXHIBIT A

PROPERTIES

County	District	State	Grantor	Grantee	Date	Parcel #	Book	Page
Doddridge	Cove	WV	Asset Management, LLC	Pinebelt Oil & Gas, Inc.	8-23-2013	p/o 2-13-16	312	376
						2-9-27		

MEMORANDUM OF DRILLING AGREEMENT/ PERMISSION TO PERMIT AND DRILL

WITNESSETH:

WHEREAS, NON-OPERATOR is the lessee of record under those certain oil and gas leases and/or owner of certain oil and gas fee interests in the Target Depths (defined below) as set forth on Exhibit A attached hereto (collectively "The Properties") or as located within the unit more particularly set forth on Exhibit B attached hereto ("the "Unit"); and

WHEREAS, NON-OPERATOR and OPERATOR did execute that certain DRILLING AGREEMENT / PERMISSION TO PERMIT AND DRILL (the "<u>Drilling Agreement</u>"), executed contemporaneously herewith, in which NON-OPERATOR agreed to grant OPERATOR certain rights to operate The Properties, and the Parties wish to place this Memorandum of record to put all persons on notice of same.

NOW, THEREFORE, That for and in consideration of the sum set forth in the DRILLING AGREEMENT, paid in hand, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound, the Parties agree as follows:

- 1. The Parties hereto acknowledge the accuracy of the foregoing recitals, which are hereby incorporated herein by reference and made a part hereof.
- 2. The Drilling Agreement is dated the ARCH 72, 2024 and is effective as of MARCH 72, 2024 (the "Effective Date").
- 3. The term of the Drilling Agreement is for a term beginning on the Effective Date and ending Five (5) years therefrom and so long thereafter if a well is drilled hereunder, until terminated as set forth in paragraph 10 of the Drilling Agreement, or unless otherwise extended by the Parties as set forth in the Drilling Agreement.
- 4. The Drilling Agreement applies to the Target Depths in The Properties. "<u>Target Depths</u>" means the Marcellus Shale Formation, defined as: from the stratigraphic equivalent of the top of the Tully Limestone at 6,688 feet to the stratigraphic equivalent of the Base of the

- Marcellus Shale at a depth of 6,940 feet, as seen in the HG ENERGY II APPALACHIA, LLC's KST5 DH (API 047-033-05817) well logs dated February 9, 2015.
- 5. Under the Drilling Agreement, Non-Operator granted to Operator rights to conduct oil and gas operations on The Properties and the Unit, including without limitation, the right to apply for and obtain all applicable well drilling permits, horizontal unitization orders, and any governmental approvals for the drilling of one or more wellbore laterals in, under, and through the Properties in the Unit, and to drill, complete, operate, and produce oil, gas and other constituents from such wells, as well as to pool or unitize The Properties.
- 6. The Drilling Agreement will be binding upon Operator and Non-Operator, and their respective successors and assigns. In the event of any assignment or transfer of the Drilling Agreement, the assigning or transferring party shall require such assignee or transferee to expressly assume and be bound by the terms of the Drilling Agreement. This Memorandum shall be governed by the laws of the State of West Virginia. Operator and Non-Operator each represents and warrants that the individual signing this Memorandum on its behalf has the authority to do so and to bind the respective party. This Memorandum may be executed in any number of counterparts, each of which shall be considered an original for all purposes, and all of which, when taken together, shall constitute one and the same instrument.
- 7. The Drilling Agreement contains additional terms and conditions not repeated herein; nonetheless, the full terms and conditions of the Drilling Agreement shall control and this Memorandum shall not be considered in any way a modification or alteration of the Drilling Agreement.
- 8. This Memorandum may be executed in counterparts, each of which shall be deemed an original instrument, but all such counterparts together shall constitute one and the same instrument.

[SIGNATURE PAGES FOLLOW]

The remainder of this page left intentionally blank.

IN WITNESS WHEREOF, the Parties have caused this This Memorandum of Drilling Agreement/Permission to Permit and Drill to be executed by their respective duly authorized representatives, as of the date first written above.

NON-OPERATOR:

By: Colyton alleston	
Its: Robert M. Newsome	
INDIVIDUAL ACKNOWL	EDGMENT
COMMONWEALTH/STATE OF BOLDWIN	<u>)</u>
The foregoing instrument was acknowledged before March, 2024, by Robert M. New	ore me this day of vsome.
MY COMMISSION EXPIRES: 07/14/2026 (Seal)	Musto Hendricho
Note Note Note Note Note Note Note Note	Public
A AUBLIC HE	
STATE KINING	

OPERATOR:

HG ENERGY II APPALACHIA, LLC

By:

Jared Hall - President

ACKNOWLEDGEMENT

STATE OF WEST VIRGINIA COUNTY OF WOOD

•

BEFORE ME, a Notary Public in and for said county and state, personally appeared Jared Hall, President of HG Energy II Appalachia LLC, who acknowledged to me that he is duly authorized officer of said company, and that he did execute the foregoing instrument and that the same is his free act and deed and the free act and deed of said company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at PARKERSBURG, WV, this _______, day of _APRIL________, 2024.

My Commission Expires:

Notary Public

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Mark J Schall
HG Energy LLC
5250 DUPONT ROAD
PARKLISBURG WY 26105
MY COWESCONT PERS NOW WE FR 2, 200

This instrument prepared by HG Energy II Appalachia, LLC 5260 Dupont Road Parkersburg. WV 26101

EXHIBIT A

PROPERTIES

County	District	State	Grantor	Grantee	Date	Parcel #	Book	Page
Doddridge	Cove	WV	Asset Management, LLC	Robert M. Newsome	8-23-2013	p/o 2-13-16	312	380
			_			2-9-27		

Doddridge County Lorena C.(Catee) Slater, Clerk Instrument 360731 04/16/2024 @ 10:01:29 AM MEMORANDUM OF O&G LEASE Book 535 @ Page 192 Pages Recorded 6

13.00

<u>Exhibit "B"</u> Preliminary Unit Plat

Recording Cost \$ EXHIBIT "A" 1223-S-7H UNIT Freemans Creek District, Lewis County & Cove District, Doddridge County, WV 1223-S-7H UNIT - 567.046412 Acres **Unit Acreage** Tract PID 1 0.052747 02-10-16 2 0.589390 02-9-20 3 10.583186 02-9-27 4 18.396240 02-9-26 5 21.619900 02-13-15.2 6 37.673126 02-13-11 7.1 37.606838 p/o 02-13-16 8 14.564880 02-13-18 10 37.411323 03-1D-5 11 32.896794 03-1D-4 12 21.995273 03-1D-6 13.1 55.619872 03-1E-12 9.245894 13.2 03-1D-7 14.1 43.536894 03-1E-13, 14 15 21.505388 03-1E-15 16 20.581368 03-1E-16 121 17 48.182438 03-1E-17 60 2.542170 02-13-16.1 61 7.443776 03-1E-20, 21 62 13.652832 03-1E-17, 18, 19 143 63 0.276096 p/o 03-1E-17 82 15.814905 03-1F-53 85.1 8.041137 03-1F-24, 25 85.2 36.612362 03-1F-24, 25 86 1.812515 p/o 03-1F-52 87 5.365641 03-1F-51, 52 88 42.662601 p/o 03-1F-51, 52 91 0.760824 03-1D-1 Map Showing: G 1223-S-7H UNIT

Freemans Creek District, Lewis County & Cove District, Doddridge County

ALEX JOHNS 5260 DUPONT RD PARKERSBURG WV 26101-7719

Doddridge County
Lorena C.(Catee) Slater, Clerk
Instrument 360728
04/16/2024 @ 10:01:26 AM
MEMORANDUM OF O&G LEASE
Book 535 @ Page 174
Pages Recorded 6
Cocording Cost \$ 13.00

<u>Exhibit "B"</u> Preliminary Unit Plat

Cocording Cost \$ EXHIBIT "A" @ 1223-S-7H UNIT Freemans Creek District, Lewis County & Cove District, Doddridge County, WV 1223-S-7H UNIT - 567.046412 Acres **Unit Acreage** PID Tract 02-10-16 0.052747 1 0.589390 2 02-9-20 3 10.583186 02-9-27 02-9-26 4 18.396240 5 21.619900 02-13-15.2 37.673126 02-13-11 6 7.1 37,606838 p/o 02-13-16 14.564880 02-13-18 8 10 37.411323 03-1D-5 03-1D-4 32.896794 11 12 21.995273 03-1D-6 03-1E-12 13.1 55.619872 03-1D-7 13.2 9.245894 14.1 43.536894 03-1E-13, 14 21.505388 03-1E-15 15 20.581368 03-1E-16 16 12.1 17 48.182438 03-1E-17 60 2.542170 02-13-16.1 61 7.443776 03-1E-20, 21 13.652832 03-1E-17, 18, 19 62 (H) 0.276096 p/o 03-1E-17 63 82 15.814905 03-1F-53 85.1 8.041137 03-1F-24, 25 03-1F-24, 25 85.2 36.612362 86 1.812515 p/o 03-1F-52 87 5.365641 03-1F-51, 52 p/o 03-1F-51, 52 88 42.662601 0.760824 03-1D-1 91 Map Showing: ENTER 1223-S-7H UNIT

Freemans Creek District, Lewis County & Cove District, Doddridge County

ALEX JOHNS 5260 DUPONT RD PARKERSBURG IJV 26101-77:

HG Energy II Appalachia, LLC

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

July 29, 2024

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

Barnes 1223 S-7H Drill Permit Revision Request – (47.041-06978)

Cove District, Doddridge County

West Virginia

Dear Mr. Blevins -

RE:

Per our discussions, enclosed are revised forms (survey plat, mylar, WW-6B, casing schematic, AOR and WW-6A1) and a check for expedited service for the 1223 S-7H well work permit revision request. We ask the permit be modified to include additional acquired leases resulting in extended total measured depth and horizontal leg for the specified 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:

RECEIVED
Office of Oil and Gas

Un 1500

AUG 9 2024

Wv Department of Environmental Protection