

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 Jim Justice, Governor Austin Caperton, Cabinet Secretary www.dep.wv.gov

PERMIT MODIFICATION APPROVAL Horizontal 6A / Horizontal 6A Well - 1

EQT PRODUCTION COMPANY 120 PROFESSIONAL PLACE BUILDING II BRIDGEPORT, WV 26330

Re: Permit Modification Approval for 514461

47-095-02264-00-00

Lengthen Lateral

EQT PRODUCTION COMPANY

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.

James A. Martin

Chief

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

Operator's Well Number: 514461 Farm Name: WELLS, VIVIAN J.

U.S. WELL NUMBER: 47-095-02264-00-00

Horizontal 6A / Horizontal 6A Well - 1

Date Issued: 4/27/2017

Promoting a healthy environment.

4709502264 A

API NO. 47- <u>095</u> - 02264
OPERATOR WELL NO. 514461
Well Pad Name: SHR60

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

1) Well Operat	or: EQTP	Production (Company	306686	Tyler	McElroy	Shirley
				Operator ID	County	District	Quadrangle
2) Operator's \	Well Numbe	r: <u>514461</u>	-	Well Pad	Name: SHR	80	
3) Farm Name	Surface Ow	ner: Viviar	J. Wells e	t al Public Road	d Access: 60/2	2	
4) Elevation, co	urrent groun	d: <u>1011'</u>	Ele	evation, proposed p	oost-constructi	on: 1011'	
5) Well Type	(a) Gas	X	Oil		rground Storag		
	Other						
	(b)If Gas	Shallow	X	Deep			
		Horizonta	. <u>Х</u>				Dnu
6) Existing Pad							DMH 4-17-17
7) Proposed Ta Marcellus, 65	rget Format 596', 52', 274	ion(s), Dept 7 PSI	h(s), Antici	pated Thickness ar	nd Expected Pr	essure(s):	7- 1-1
8) Proposed To	tal Vertical	Depth: 659	96'				
9) Formation at	Total Verti	cal Depth:	Marcellus				
10) Proposed T	otal Measur	ed Depth:	18983				
11) Proposed H	orizontal Le	eg Length:	11774'				
12) Approxima	te Fresh Wa	ter Strata De	epths:	83, 133, 570, 906	6'		
13) Method to I	Determine F	resh Water	Depths: Fi	rom offset wells			
14) Approximat	te Saltwater	Depths: 1	198, 1865'				
15) Approximat	te Coal Sean	n Depths: _	19, 420, 68	6, 875, 1315'			
16) Approximat	te Depth to I	Possible Vo	id (coal min	e, karst, other): N	one reported		
17) Does Propo	sed well loc	ation contai	n coal seam	S			
directly overlyin	ng or adjace	nt to an acti	ve mine?	Yes	No	X	
(a) If Yes, pro	vide Mine Iı	nfo: Name	:	·			
		Depth	ı:				
		Seam	: <u></u>		Pase:	阿库GEIV	EB
		Owne	r:		——————————————————————————————————————	Of Oil a	nd Gas
						ADD a .	

APR 24 2017

WV Department of Environmental Protection

04/28/2017

4709502264

WW-6B (04/15)

API NO. 47095 _ 02264	
OPERATOR WELL NO. 514461	
Well Pad Name: SHR60	_

18)

CASING AND TUBING PROGRAM

ТҮРЕ	Size (in)	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20	New	A-500	78.6	60	60	90 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1003	1003	1048 ft^3 / CTS
Coal							104016 07 018
Intermediate	9 5/8	New	A-500	40	2797	2797	1511 ft^3 / CTS
Production	5 1/2	New	P-110	20	18983	10000	500' above top producing zone
Tubing	2 3/8		J-55	4.7		May not be run, if run set 40'	
Liners						above top perf or 80° inclination.	

Dm4 417-M

ТҮРЕ	Size (in)	Wellbore Diameter (in)	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20	26	.375	1378	25	Class A	
Fresh Water	13 3/8	17 1/2	.38	2700	2160	See Variance 2014-17	1.2
Coal				-			1.2
Intermediate	9 5/8	12 3/8	.395	3950	3160	See Variance 2014-17	1.25 / 1.19
Production	5 1/2	8 1/2	.361	12640	10112	Class H	1.123/2.098
Tubing	2 3/8	NA	.19	7700		3.0071	1.120/2.000
Liners							

PACKERS

Kind:			
Sizes:			
Dontha Cat			
Depths Set:		Ott:	GEOSIVED of Oil and Gas
		U#169	of Oil and
			THING GAS

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WV Department of Environmental Protection Page 2 of 3 04/28/2017

WW-6B	
(10/14)	

4709502264 APINO. 47-095 - 02264

OPERATOR WELL NO. 514461
Well Pad Name: SHR60

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

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical to an approximate depth of 5154'. Kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

Dm 4 4-17-17

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.3%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 250,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 250,000 pounds of sand per stage.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): No additional
- 22) Area to be disturbed for well pad only, less access road (acres): No additional
- 23) Describe centralizer placement for each casing string:
- Surface: Bow spring centralizers One centralizer at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers- One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every joint from production casing shoe to KOP

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

Conductor: Class A no additives

Surface (Class A Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries Intermediate (Class A Cement): 0-3% Calcium Chloride. Used to speed the setting of cement slurries.

Production:

Lead (Class H Cement): 0.2% CD-20 (dispersant makes cement easier to mix). .15% SuperFL-300 (fluid loss/lengthens thickening time) .15% SEC-10 (fluid loss) 50:50 POZ (extender) Tail (Class H Cement): 0.2% Super CR-1 (Retarder). Lengthens thickening time. .3% Super FL-200 (fluid loss) .2% SEC-10 (Fluid loss). .2% SuperFL-350 (fluid loss) Reduces amount of water lost to formation. 60 % Calcuim Carbonate. Acid solubility.

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface. Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.

Production: Pump marker sweep with nut plug to determine actual hole washout. Galculate a gauge holes bottoms up volume. Perform a cleanup cycle by pumping 3-5 bottoms up or matil the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

APR 24 2017

*Note: Attach additional sheets as needed.

WV Departmentes of 3 Environmental Protection 28/2017

EQT Production

Shirley Quad Tyler County, WV

Azimuth 157 11950 Vertical Section

Note: Diagram is not to scale

Formations	Top Base TVD TVD			Casing and Cementing			Deepest Fresh Wat	ler: 906'
Conductor		11111		Туре	Conductor	Surface	Intermediate	Production
Conductor	60			Hole Size, In.	26	17 1/2	12 3/8	8 1/2
Base Fresh Water	000			Casing Size, OD In.	20	13 3/8	9 5/8	5 1/2
base riesh water	906	1111		Casing Wall Thickness, In.	0.375	0.380	0.395	0.361
Surface Casing	1003	- 1111		Depth, MD	60'	1,003'	2,797'	18,983'
Surface Casing	1003	4		Weight	78.6#	54.5#	40#	20#
Base Red Rock	4040	1111		Grade	A-500	J-55	A-500	P-110
base ned Hock	1315	1111		New or Used	New	New	New	New
Maxton	1504 1507	1111		Burst (psi)	1378	2,700	3,950	12,640
Big Lime	1534 - 1587	1111		Cement Class	A	A / Type 1	A / Type 1	A/H
Big Lime	1829 - 2111	1111	P.	Cement Yield	1.18	1.19	1.19	1.123 / 2.098
Weir	2251 - 2317	1111		Top of Cement (Planned)	Surface	Surface	Surface	500' above top Producing Zo
Gantz	2368 - 2415	1111		Method	Displacement	Displacement	Displacement	Displacement
Fifty foot	2461 - 1496	1111		Est. Volume (cu ft)	90	1,048	1,511	3,715
Thirty foot Gordon Intermediate Casing Bayard Warren	2595 - 2636 2686 - 2700 2797 3007 - 3067 3339 - 3413			Possible Additives	N/A	Calcium Chloride	Calcium Chloride	Calcium Carbonate, Fluid Lo Extender, Dispersent, Viscosi Defoamer, POZ, Bonding Age Retarder, Anti-Settling/Suspen Agent
D Hamilton	4548 - 4585 4965 - 5002 5222 - 5294 6212 - 6381 6381 - 6425 6425 - 6501 6501 - 6530 76530 - 6554 6554 - 6571 76571 - 6623 18983 MD		KOP @ 5,154'	Dn 4 4-17-17				•
9	5	Land curve @	6,596' TVD 7,209' MD			Est. TD @	6,596' 18,983	TVD
prosed Well Work:								

WW-6A1 (5/13)

Operator's Well No.	514461
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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			D 1 1	D 1 /D
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

see attached

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.

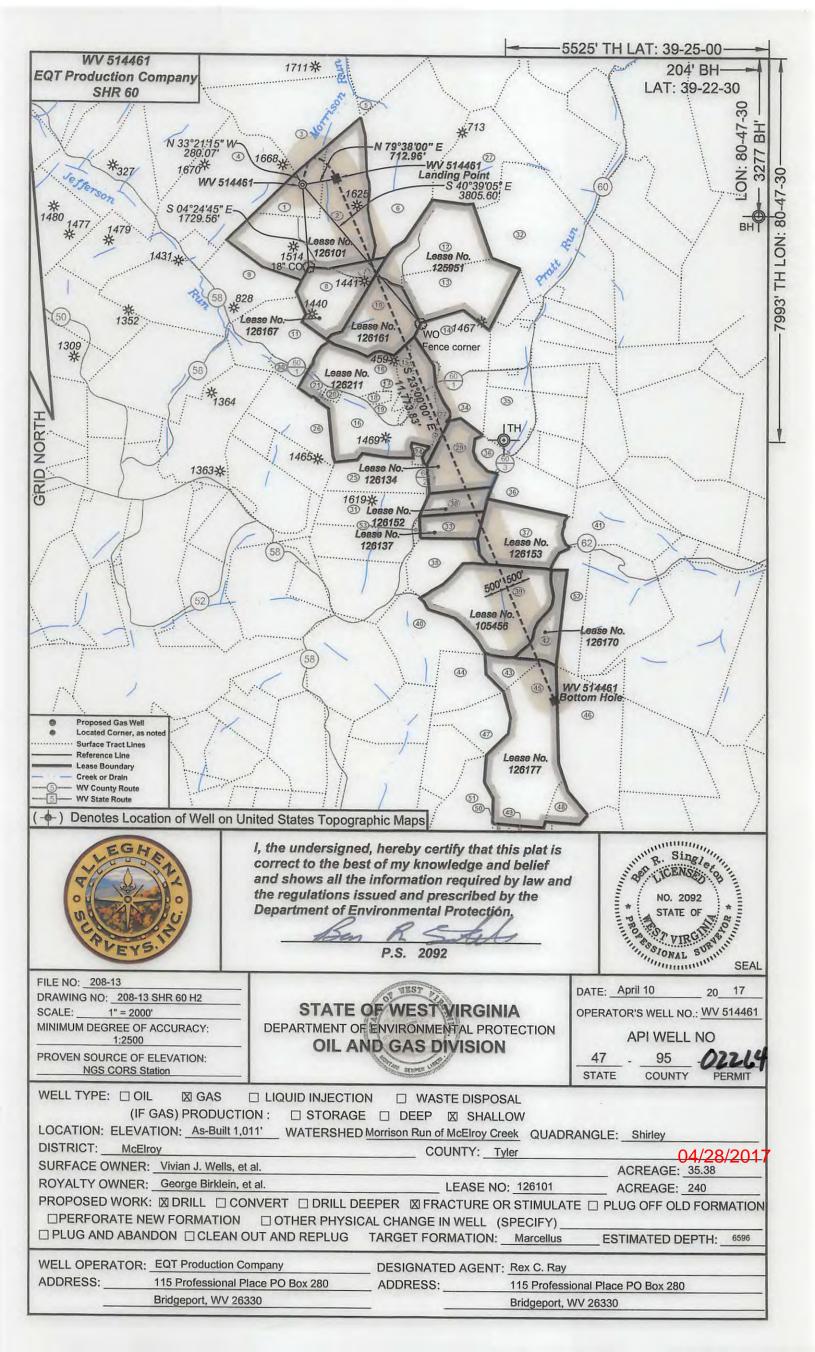
> Well Operator: EQT Production Company By: Victoria J Roark Its: Permitting Supervisor

> > Environmental Screetion 04/28/2017

Lease No.		Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page	•
	126101	George Birklein, et al (current royalty owner)	91			•
		WM. Blaine Underwood Et ux et al (original lessor)	Equitable Gas Co.		DB186/86	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc./Equitable Gas Company/Equitable Resre	•		DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	
		Equitrans, L.P.	EQT Production Company		OG420/10	
		•	• •			
	<u>126167</u>	Berdina Rose, et al (current royalty owner)	•	•		
		Savannah Pratt, et al (original lessor)	Equitable Gas Co.		DB192/425	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc./Equitable Gas Company/Equitable Resn	Equitrans, L.P.		DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	
	125051	Mona Cumberledge (current royalty owner)		•		
	<u>125951</u>	Jacob A. Cumberledge, et ux (original lessor)	Equitable Gas Co.		DB175/495	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc/Equitable Gas Company/Equitable Reso	•		DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	
	<u>126161</u>	John A. Dillon, et al (current royalty owner)	•	•		
		John M. Pierpoint, et al (original lessor)	Equitable Gas Co.		DB192/368	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc./Equitable Gas Company/Equitable Resre	Equitrans, L.P.		D8433/777	•
		Equitrans, L.P.	EQT Production Company		DB396/640	
	<u>126211</u>	Below the Fifth Sand				
		John A. Dillon, et al (current royalty owner)	Hope Natural Gas Co.		DB70/477	
		Mary E. Underwood, et vir (original lessor)	•			
		Hope Natural Gas Co.	Consolidated Gas Supply Corp.		DB169/26	
		Consolidated Gas Supply Corp.	Consolidated Gas Transmission Corp.		DB249/287	
		Consolidated Gas Transmission Corp.	CNG Development Co.		DB253/57	
		CNG Development Co.	Dominion Appalachian Development, Inc.		DB337/340	
		Dominion Appalachian Development, Inc.	Consol Gas Appalachian Development, LLC			name change
		Consol Gas Appalachian Development, LLC	CNX Gas Co., LLC			name change
		CNX Gas Co., LLC	EQT Production Co.		DB479/55	
		CNX Gas Co., LLC/Noble Energy, Inc	EQT Production Co.		AB505/222	
	126134	Dorothy H. Bode (current royalty owner)		•		
		Mollie Susan Scott (original lessor)	Equitable Gas Co.		DB191/420	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc./Equitable Gas Company/Equitable Resre	· ·		DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	
	126137	S.A. Smith and C. Burke Morris Trust, et al (current		•		
		Carl C. Weekley, et al (original lessor)	Equitable Gas Co.		DB191/536	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc./Equitable Gas Company/Equitable Resr	•		DB433/777	
		Equitrans, L.P.	Equitable Production Company		DB396/640	
	126152	Linda Sue Lemb, et al (current royalty owner)				
	150155	Carl C. Weekley, et al (original lessor)	Equitable Gas Co.		DB191/489	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc/Equitable Gas Company/Equitable Resn	•		DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	
	<u>126153</u>	Jeffrey T. Heflin, et al (current royalty owner)	•	•		
		John W. Ash, et al (original lessor)	Equitable Gas Co.		DB192/80	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc./Equitable Gas Company/Equitable Resn			DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	
	105456	Kimberty Wilcox (current royalty owner)		•		
	100-100	Olive I. Stewart, et vir (original lessor)	J L Newman		LB69/42	
		J. L. Newman	The Philadelphia Company of West Virginia		OG455/390	
		The Philadelphia Company of West Virginia	Pittsburgh and West Virginia Gas Company		DB101/36	
		Pittsburgh and West Virginia Gas Company	Equitable Gas Co.		132/414	
		Equitable Gas Co.	Equitrans, Inc.		DB274/471	
		Equitrans, Inc/Equitable Gas Company/Equitable Reso	•		DB433/777	
		Equitans, L.P.	EQT Production Company		DB396/640	
	126170	Mary Ann Ketelsen (current royalty owner)		•	I Daggare :	
		Charles N. Welch, et al (original lessor)	Equitable Gas Company		LB193/351	
		Equitable Gas Company	Equitrans, Inc.		DB274/471	
		Equitrans, Inc.	Equitrans, L.P.		DB433/777	
		Equitrans, L.P.	EQT Production Company		DB396/640	LEDEINED
	126177	Regina M.Buck, et al (current royalty owner)		•	Off	ice of Oil and Gas
		J.S. Buck, et ux (orignal lessor)	Equitable Gas Company		DB97/533	and Gar
		Equitable Gas Company	Equitans, Inc		154/475	
		Equitrans, Inc	Equitrans, L.P.		329/645	APR 24 2017
		Equitrans, L.P.	EQT Production Company		DB396/640	· · · · • • 2017
		•	** ** *			•
		**Per West Virginia Code Section 22-6-8.			1/1/1	/ Donous

^{**}Per West Virginia Code Section 22-6-8.

WV Department of Environmental Protection 28/2017



WV 514461 **EQT Production Company** SHR 60

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	18	12	Tyler	McElroy	Hanna A. Underwood Estate	35.00
2	18	13	Tyler	McElroy	Blaine Underwood Estate, et al.	104.73
3	18	9	Tyler	McElroy	Lawrence Rayburn, et al.	100.00
4	18	7.1	Tyler	McElroy	Patricia A. Keys, et al.	102,31
5	18	10	Tyler	McElroy	Susan Spencer	2.92
6	18	11	Tyler	McElroy	Susan Spencer	132,00
7	18	15	Tyler	McElroy	Susan Spencer	8.00
8	18	16	Tyler	McElroy	Donald E. Bible Sr.	35.50
9	18	23	Tyler	McElroy	Clyde Seckman Estate	111.75
10	18	17	Tyler	McElroy	Allen Dale Fornash, et al.	43.00
11	18	22	Tyler	McElroy	Donald E. Bible Sr.	39.26
12	18	14	Tyler	McElroy	Terry J. Cumberledge, et al.	54.81
13	18	18	Tyler	McElroy	Terry J. Cumberledge, et al.	49.87
14	18	19	Tyler	McElroy	John Paul Davis	35.00
15	18	20.2	Tyler	McElroy	Richard E. Hansen	19.96
16	18	20	Tyler	McElroy	Clarence G. Dillon, et al	113,42
17	18	20.6	Tyler	McElroy	Clarence G. Dillon Jr.	0.71
18	18	20.5	Tyler	McElroy	Clarence G. Dillon Jr.	2.94
19	18	20	Tyler	McElroy	Clarence G. Dillon, et al	113,42
20	18	20,4	Tyler	McElroy	John A. Dillon	2.04
21	18	20.3	Tyler	McElroy	Peter H. Mueller	-
22	18	20.1	Tyler	McElroy	William R. Doll Jr, et al.	4.69
23	21	44	Tyler	McElroy	William R. Doll Jr, et al.	3.06
24	21	45	Tyler	McElroy	Comment of Street or Street	2.43
25	21	15	Tyler	McElroy	Clarence G. Dillon, et al Paul Weekley	2,43
26	21	14	Tyler	McElroy	- Control Control	36.00
27	19	49	Tyler	McElroy	Donnie N. & Kim M. Wilmoth	73.39
28	18	21	Tyler		James Edward Cumberledge Heirs, et al.	57.50
29	22	20	Tyler	McElroy	Barbara Willier	5.90
30	21	18	-		James B. Scott	30.00
31		20	Tyler	McElroy	Richard E. & Barbara A. Mullins	20.00
32	19	16	Tyler	McElroy	Paul Weekley	36.00
33		50	Tyler	McElroy	Ronald L. Cumberledge	123.15
	21	19	Tyler	McElroy	Richard E. & Barbara A. Mullins	20.00
34	19	80	Tyler	McElroy	John Paul Davis	25.00
35	19	78	Tyler	McElroy	Roger L. Pratt, et al.	43.81
36	21	21	Tyler	McElroy	James B. Scott	30.00
37	22	19	Tyler	McElroy	Berdina Rose, et al.	55.00
38	21	21	Tyler	McElroy	James B. Scott	30.00
39	22	18	Tyler	McElroy	Bruce W. Boland	86.75
40	21	33	Tyler	McElroy	Bruce W. Boland	52.46
41	22	3	Tyler	McElray	Jacqueline Wickman, et al.	71.62
42	22	18.1	Tyler	McElroy	Bruce W. Boland	18.91
43	22	17	Tyler	McElroy	David R. & Elizabeth A. Beveridge	12.00
44	22	16	Tyler	McElroy	Leah Weekley	29.00
45	2	18	Doddridge	West Union	David R. & Elizabeth A. Beveridge	125.00
46	2	1	Doddridge	West Union	James M. Petrovich, et al.	70.00
47	22	15	Tyler	McElroy	Isaiah Weekley	25.00
48	2	5.4	Doddridge	West Union	David R. & Elizabeth A. Beveridge	11.90
49	2	5.1	Doddridge	West Union	David R. & Elizabeth A. Beveridge	20.88
50	2	4.1	Doddridge	West Union	Robert B. & Marry E. Simpson	20.88
51	2	4	Doddridge	West Union	Robert B. & Marry E. Simpson	38.50
52	22	14	Tyler	McElroy	Paul Dean Steinman Jr. & Marc J. Steinman	126.00
53	22	20	Tyler	McElroy	James B. Scott	30.00

Well References 5/8" Rebar found 5/8" Rebar set # AZ334°04'52" SHR 60 H2 WV 514461 1" = 200

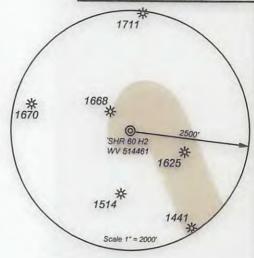
SHR 60

O H1, 514460 O H3, 514462 O H3, 514462 O H5, 514464 O H7, 514466 O H7, 515436 O H9, 515435 H10, 515438 O H11, 515437

WV 514461 coordinates are NAD 27 N: 328,567.21 E: 1,629,438,73 NAD 27 Lat: 39,394686 Long: -80,811239 NAD 83 UTM N: 4,360,602.85 E: 516,268.81 NAD 83 UTM N: 4,350,602.85 E: 516,268.81 WV 514461 Landing Point coordinates are NAD 27 N: 328,695.38 E: 1,630,140,18 NAD 27 Lat: 39.395066 Long: -80.808764 NAD 83 UTM N: 4,380,645.47 E: 516,481.85 WV 514461 Bottom Hole coordinates are NAD 27 N: 317,857.52 E: 1,634,740.59 NAD 27 Lat: 39.365496 Long: -80,791936 NAD 83 UTM N: 4,357,367.11 E: 517,938.47

West Virginia Coordinate system of 1927 (North Zone based upon Differential GPS Measurements. Plat orientation, comer and well ties are based upon the grid north meridian. Well location references are based upon the grid north

UTM coordinates are NAD83, Zone 17, Mete



	Lease No.	ACIES	Owner
	126167	43	Berdina Rose, et al.
	125951	225	Mona Cumberledge
	126161	43	John A. Dillon, et al.
	126211	145	John A. Dillon, et al.
	126134	30	Dorothy H. Bode
	126137	20	S. A. Smith, et al.
	126152	20	Linda Sue Lamb, et al.
	126153	55	Jeffrey T. Heflin, et al.
	105456	96	Kimberly Wilcox
	126170	15	Mary Ann Ketelson
	126177	138	Regina M. Buck, et al.
•	Annual Contract of the Contrac		

Lease No. Ac

Proposed Gas Well Located Corner, as noted Surface Tract Lines Reference Line Lease Boundary Creek or Drain WV County Route WV State Route



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

P.S. 2092

NO. 2092
STATE OF
VIRGINIAN
SE

FILE NO: 208-13 DRAWING NO: 208-13 SHR 60 H2 SCALE:

ADDRESS:

1" = 2000'

MINIMUM DEGREE OF ACCURACY: 1:2500

PROVEN SOURCE OF ELEVATIONS

WEST P STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION

DATE: April 10	20_	17
OPERATOR'S WELL NO.: V	٧V	514461

API WELL NO

95 UNTY

0226 PERMIT

NGS CORS Station	SEPTE LAND	STATE -	CO
VELL TYPE: □ OIL ☑ GAS	☐ LIQUID INJECTION ☐ WASTE DISPOSAL		
	ION: STORAGE DEEP SHALLOW		
OCATION: ELEVATION: As-Built 1,	011' WATERSHED Morrison Run of McElroy Creek		Shirle
NOTELIOT		CONDITATIOLL.	Office)

(IF GAS) PRODUCTION:	☐ STORAGE ☐ DEEP ☒	SHALLOW	
LOCATION: ELEVATION: As-Built 1,011'	WATERSHED Morrison Run of Mo	Elroy Creek QUADRANGI	F: Shirley
DISTRICT: McElroy		ITY: Tyler	
SURFACE OWNER: Vivian J. Wells, et al.			04/28/201 ACREAGE: 35.38
ROYALTY OWNER: George Birklein, et al.	LE	ASE NO: 126101	
PROPOSED WORK: ☑ DRILL ☐ CONVER	T □ DRILL DEEPER ☑ FRACT	TURE OR STIMULATE IT I	PLUG OFF OLD FORMATION
□PERFORATE NEW FORMATION □ C	THER PHYSICAL CHANGE IN V	VELL (SPECIFY)	
☐ PLUG AND ABANDON ☐ CLEAN OUT A	ND REPLUG TARGET FORM/	ATION: Marcellus [ESTIMATED DEPTH: 6596

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray

115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280

Bridgeport, WV 26330 Bridgeport, WV 26330