

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 103 - 02955 County Wetzel District Proctor
Quad New Martinsville Pad Name Erlewine Field/Pool Name Mary
Farm name Erlewine, Richard Well Number #10H
Operator (as registered with the OOG) EQT Production Company
Address 2400 Ansys Drive, Suite 200 City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,392,650 Easting 517,398
Landing Point of Curve Northing 4,392,476 Easting 517,861
Bottom Hole Northing 4,391,159 Easting 518,315

Elevation (ft) 1,212 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)

Date permit issued 1/4/2018 Date drilling commenced _____ Date drilling ceased _____
Date completion activities began 4/11/2019 Date completion activities ceased 4/15/2019
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft _____ Open mine(s) (Y/N) depths _____
Salt water depth(s) ft _____ Void(s) encountered (Y/N) depths JUL 09 2019
Coal depth(s) ft _____ Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) _____

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Environmental Protection
Reviewed by:

Reviewed

[Handwritten signature]

[Handwritten initials]

API 47- 103 - 02955 Farm name Erlewine, Richard Well number #10H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) _____ Loggers TD (ft) _____
 Deepest formation penetrated _____ Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 103 - 02955 Farm name Erlewine, Richard Well number #10H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					Please see attachment

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
								Please see attachment

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Please insert additional pages as applicable.

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API 47- 103 - 02955 Farm name Erlewine, Richard Well number #10H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6554</u>	<u>TVD</u>	<u>7170</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1350 psi Bottom Hole 0 psi DURATION OF TEST 121 hrs

OPEN FLOW Gas 3678 mcfpd Oil N/A bpd NGL 235.5 bpd Water 1183.8 bpd GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP DEPTH IN FT NAME TVD</u>	<u>BOTTOM DEPTH IN FT TVD</u>	<u>TOP DEPTH IN FT MD</u>	<u>BOTTOM DEPTH IN FT MD</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
---------------------------------	-----------------------------------------	---------------------------------------	-----------------------------------	--------------------------------------	------------------------------------------------------------------------------------------------------------------------

<u>Please see attached</u>	<u>0</u>		<u>0</u>		

Please insert additional pages as applicable.

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

Stimulating Company ProFrac
Address 777 Main Street, Suite 3900 City Fort Worth State TX Zip 76102

Please insert additional pages as applicable.

Completed by Adam Hughey Telephone 412-553-5884
Signature [Signature] Title Director - Completions Date 7-8-2019 **RECEIVED**
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STAGE 01-07-103-01955-00-40 Perforations

Stage Number	Perforation Date	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Number of Shots	Formation
1	3/14/2019	11,944	12,025	20	MARCELLUS
2	4/11/2019	11,745	11,926	40	MARCELLUS
3	4/12/2019	11,545	11,726	40	MARCELLUS
4	4/12/2019	11,345	11,526	40	MARCELLUS
5	4/12/2019	11,145	11,326	40	MARCELLUS
6	4/12/2019	10,945	11,126	40	MARCELLUS
7	4/12/2019	10,745	10,926	40	MARCELLUS
8	4/12/2019	10,545	10,726	40	MARCELLUS
9	4/13/2019	10,345	10,526	40	MARCELLUS
10	4/13/2019	10,145	10,326	40	MARCELLUS
11	4/13/2019	9,945	10,126	40	MARCELLUS
12	4/13/2019	9,745	9,926	40	MARCELLUS
13	4/13/2019	9,545	9,726	40	MARCELLUS
14	4/13/2019	9,345	9,526	40	MARCELLUS
15	4/14/2019	9,145	9,326	40	MARCELLUS
16	4/14/2019	8,945	9,126	40	MARCELLUS
17	4/14/2019	8,745	8,926	40	MARCELLUS
18	4/14/2019	8,545	8,726	40	MARCELLUS
19	4/14/2019	8,345	8,526	40	MARCELLUS
20	4/15/2019	8,145	8,326	40	MARCELLUS
21	4/15/2019	7,945	8,126	40	MARCELLUS
22	4/15/2019	7,745	7,926	40	MARCELLUS
23	4/15/2019	7,545	7,726	40	MARCELLUS

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Stage Number	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	4/11/2019	94.00	8,787	9,217	4,192	237,660	4,715	0
2	4/12/2019	100.00	8,381	8,845	4,351	475,660	8,236	0
3	4/12/2019	99.00	8,446	9,040	4,552	469,000	8,209	0
4	4/12/2019	100.00	8,017	8,415	4,520	475,680	8,308	0
5	4/12/2019	100.00	7,978	8,158	4,819	475,000	8,334	0
6	4/12/2019	101.00	8,013	8,353	5,152	475,520	8,151	0
7	4/12/2019	101.00	8,091	8,719	5,052	475,240	7,927	0
8	4/13/2019	101.00	7,985	8,311	5,203	475,640	7,994	0
9	4/13/2019	100.00	7,857	8,813	4,982	474,940	8,019	0
10	4/13/2019	100.00	7,888	8,081	5,275	475,380	8,145	0
11	4/13/2019	100.00	7,810	8,273	4,763	474,940	8,099	0
12	4/13/2019	101.00	7,852	8,481	4,677	475,300	7,897	0
13	4/13/2019	100.00	7,696	8,449	5,083	474,960	7,579	0
14	4/13/2019	101.00	7,364	7,689	4,980	475,780	7,912	0
15	4/14/2019	99.00	7,589	8,059	4,646	475,060	7,885	0
16	4/14/2019	101.00	7,551	8,286	4,300	475,560	7,980	0
17	4/14/2019	101.00	7,445	8,028	4,973	476,280	7,982	0
18	4/14/2019	101.00	7,272	8,363	4,961	475,540	8,206	0
19	4/14/2019	100.00	7,141	7,705	4,885	475,400	8,527	0
20	4/15/2019	101.00	7,180	7,635	4,952	475,300	7,800	0
21	4/15/2019	101.00	7,243	8,046	4,511	474,920	7,834	0
22	4/15/2019	100.00	7,080	7,773	4,598	475,100	7,796	0
23	4/15/2019	101.00	7,141	8,002	4,955	475,280	7,749	0

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State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 103 - 02955 County Wetzel District Proctor
Quad New Martinsville Pad Name Erlewine Field/Pool Name Mary
Farm name Erlewine, Richard Well Number #10H
Operator (as registered with the OOG) Stone Energy Corporation
Address 1300 Fort Pierpont Dr. - Suite 201 City Morgantown State WV Zip 26508

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,392,650 Easting 517,398
Landing Point of Curve Northing 4,392,476 Easting 517,861
Bottom Hole Northing 4,391,159 Easting 518,315

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Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Saturated salt mud which includes Caustic Soda, Barite, Lime, New-Drill, Perma-Lose HT, Xan-Plex D, X-Cide 102, Soda Ash, and Sodium Chloride

Date permit issued 1/8/2014 Date drilling commenced 7/30/2014 Date drilling ceased 12/15/2014
Date completion activities began Not Yet Completed Date completion activities ceased Not Yet Completed
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 106 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1,678 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 153, 374, 444, 644, 868 and 999 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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API 47- 103 - 02955

Farm name Erlewine, Richard

Well number #10H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.

API 47- 103 - 02955 Farm name Erlewine, Richard Well number #10H

PRODUCING FORMATION(S)

DEPTHS

Not Yet Completed _____ TVD _____ MD _____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

	0		0		
See Attached Sheet					

Please insert additional pages as applicable.

Drilling Contractor Nomac (top-hole) & Saxon Drilling (horizontal)
Address 2034 Martins Branch Rd /9303 New Trails Drive City Mount Morris / The Woodlands State PA / TX Zip 25312 / 77381

Logging Company Scientific Drilling and Schlumberger
Address 124 Vista Drive / 1178 US HWY 33 East City Charleroi / Weston State PA / WV Zip 15022 / 26452

Cementing Company Schlumberger
Address 1178 US HWY 33 East City Weston State WV Zip 26452

Stimulating Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by W. Lee Hornsby Telephone 304-225-1600 RECEIVED
Signature _____ Title Drilling Engineer Date 7/7/2014 Office of Oil and Gas

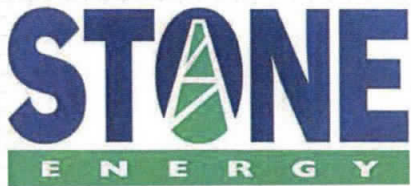
Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

JUL 09 2019

Erlewine #10H
 API 47-103-02955
 Stone Energy Corporation

	Horizontal		Bottom (ft TVD)	Bottom (ft MD)	
	Top (ft TVD)	Top (ft MD)			
Sandstone & Shale	Surface		*	153	FW @ 106'
Coal	153		*	162	
Sandstone & Shale	162		*	374	
Coal	374		*	378	
Sandstone & Shale	378		*	444	
Coal	444		*	446	
Sandstone & Shale	446		*	644	
Coal	644		*	646	
Sandstone & Shale	646		*	868	
Coal	868		*	871	
Sandstone & Shale	871		*	999	
Coal	999		*	1,003	
Sandstone & Shale	1,003		*	2,022	SW @ 1,678'
Little Lime	2,022		*	2,052	
Big Lime	2,052		*	2,152	
Big Injun	2,152		*	2,252	
Sandstone & Shale	2,252		*	2,620	
Berea Sandstone	2,620		*	2,650	
Shale	2,650		*	2,865	
Gordon	2,865		*	2,915	
Undiff Devonian Shale	2,915		*	5,682	5,705
Rhinestreet	5,682	5,705	~	6,108	6,169
Cashaqua	6,108	6,169	~	6,356	6,569
Middlesex	6,356	6,569	~	6,382	6,623
West River	6,382	6,623	~	6,445	6,772
Geneseo	6,445	6,772	~	6,460	6,811
Tully Limestone	6,460	6,811	~	6,505	6,967
Hamilton Shale	6,505	6,967	~	6,554	7,170
Marcellus	6,554	7,170	~	6,710	12,098
TD				6,710	12,098

* From Pilot Hole Log and Driller's Log
 ~ From MWD Gamma Log



End of Well Report

Erlewine 10H
Curve/Lateral
Saxon 141

Prepared By:
S.Rhodes



TABLE OF CONTENTS

- 1. Directional Plot – Planned vs. Actual**
- 2. Surveys**
- 3. Daily Drilling Reports**
- 4. BHA Summary Reports and Slide Sheets**
- 5. Graphical Job History**
- 6. Support Staff**

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/11/2019
Job End Date:	4/15/2019
State:	West Virginia
County:	Wetzel
API Number:	47-103-02955-00-00
Operator Name:	EQT Production
Well Name and Number:	Erlewine 519191
Latitude:	39.68342400
Longitude:	-80.79730100
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,710
Total Base Water Volume (gal):	308,364
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	ProFrac	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	17.95880	None
Sand (Proppant)	ProFrac	Proppant					
				Listed Below			

				Non-hazardous substances	Proprietary	90.00000	0.04662	
				Non-hazardous substances	Proprietary	90.00000	0.04662	None
				Glutaraldehyde	111-30-8	20.00000	0.01587	None
				Oleic Acid	93-83-4	2.00000	0.00566	
				Diethanolamide				
				Alcohols, C12-16, ethodylated	68551-12-2	2.00000	0.00566	None
				Alcohols, C12-16, ethodylated	68551-12-2	2.00000	0.00566	
				Oleic Acid	93-83-4	2.00000	0.00566	None
				Diethanolamide				
				Bis(HexaMethylene Triamine Penta (Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00518	None
				Bis(HexaMethylene Triamine Penta (Methylene Phosphonic Acid)(BHMT)	34690-00-1	10.00000	0.00518	
				Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00283	None
				Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00283	
				Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00238	None
				Alkyl dimethyl benzyl ammonium chloride	68391-01-5	3.00000	0.00238	None
				Methanol	67-56-1	90.00000	0.00069	None
				Methanol	67-56-1	90.00000	0.00069	
				Xylene	1330-20-7	5.00000	0.00004	None
				Imidazoline	61790-69-0	5.00000	0.00004	None
				Alcohols, C7-9-Iso, C8-Rich	68526-83-0	5.00000	0.00004	None
				Isopropanol	67-63-0	5.00000	0.00004	
				Imidazoline	61790-69-0	5.00000	0.00004	
				Alcohols, C7-9-Iso, C8-Rich	68526-83-0	5.00000	0.00004	

			Xylene	1330-20-7	5.00000	0.00004	
			Propargyl alcohol	107-19-7	5.00000	0.00004	None
			Propargyl alcohol	107-19-7	5.00000	0.00004	
			Isopropanol	67-63-0	5.00000	0.00004	None
			Ethylbenzene	100-41-4	1.00000	0.00001	None
			Ethylbenzene	100-41-4	1.00000	0.00001	

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%
*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 19.10.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Well Operator's Report of Well Work



Well Operator: Stone Energy

Well Number: Erlewine 519191 H10

API: 47 - 103 - 02955

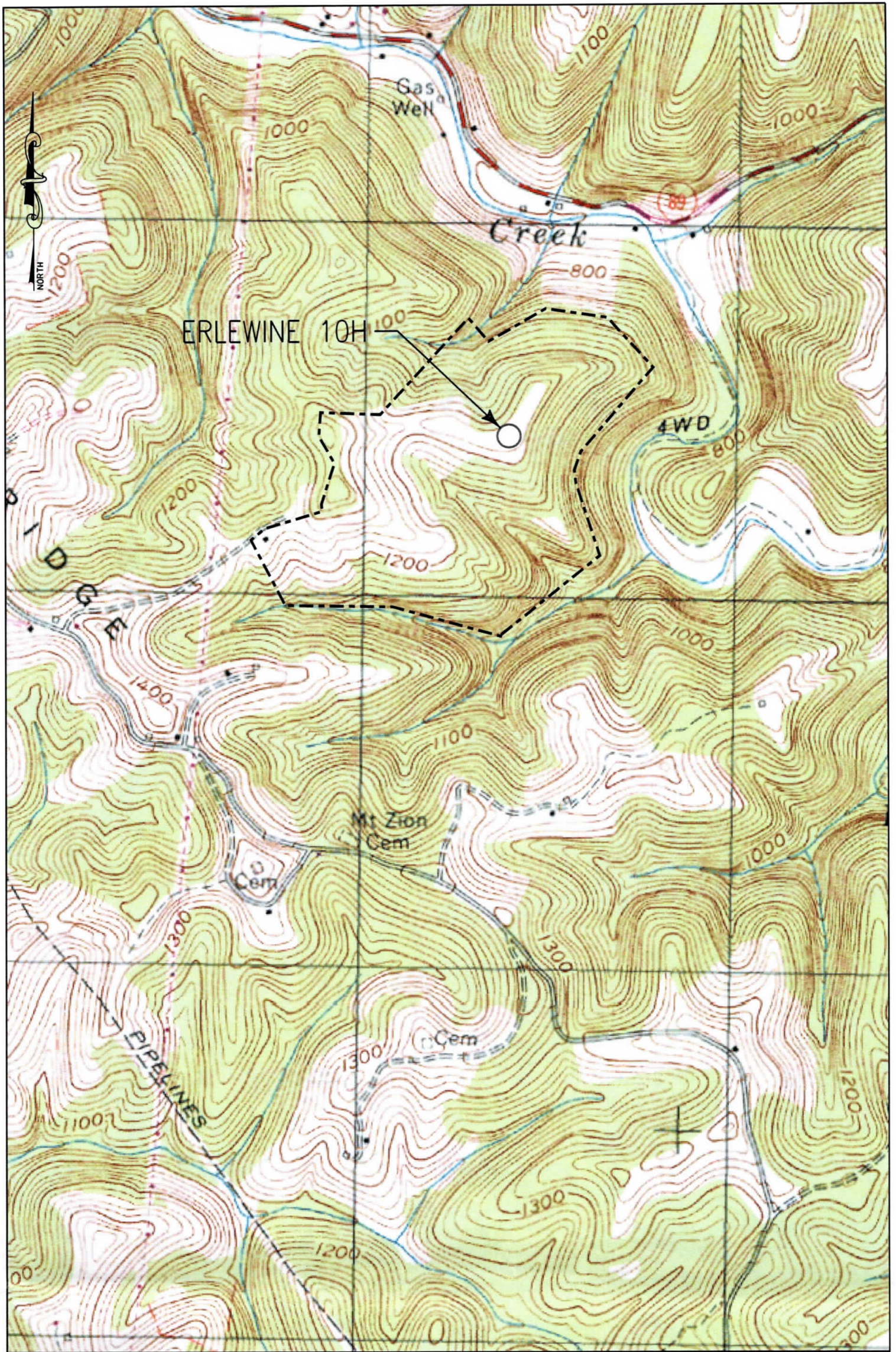
Submission: Initial Amended

Notes: The following amends the original WR-35 submitted by Stone Energy, to include stimulation & wireline operations. This amended version also corrects the As-Drilled landing point curve coordinates and permit issue date.

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WV Department of
Environmental Protection

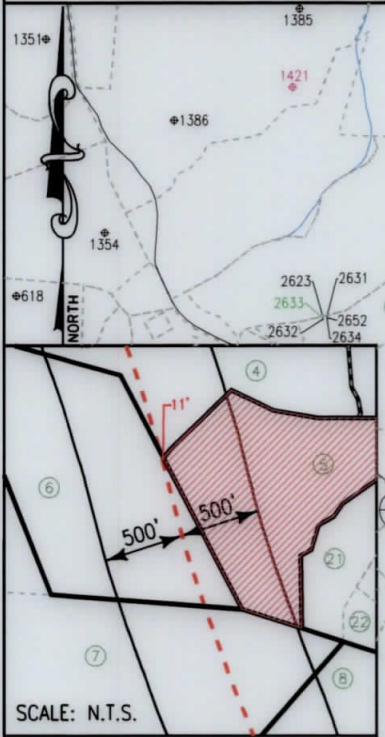


KEYSTONE CONSULTANTS, INC.
 32 EAST MAIN STREET,
 CARNEGIE, PA 15106
 412-278-2100

1" = 1000'
 NEW MARTINSVILLE 7.5'

EQT PRODUCTION COMPANY
 115 PROFESSIONAL PLACE
 PO BOX 280
 BRIDGEPORT, WV 26330

**Erlewine 10H
Erlewine
EQT Production Company**



- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- ⊕ Active Well Location
 - ⊕ Plugged Well Location
 - ⊕ Never Drilled
 - ⊕ Never Issued
 - ① Tract Identification
 - Proposed Gas Well
 - Located Corner, as noted
 - - - Surface Tract Lines
 - - - Reference Line
 - Lease Boundary
 - Creek or Drain
 - ⊙ WV County Route
 - ⊙ WV State Route

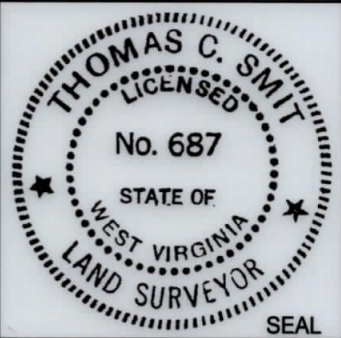
Tract ID.	Lease No.	Acres	Owner
1	873753	130.201343	Ronald Carney ET UX
2	873427	223.653484	Shiben Estates Inc
3 & 6	873982	79.590079	Mary Ballouz Davis
4	873744	67.20347	Pamela Burlingame
5	874009	28.313177	Alan Lee Smith
7	873885	120.707255	Fred Henry ET UX
8	873467	18.779029	Forrest O. Miller
9	1018034	113.088312 OR 119.119596	Marilyn S. Hart
10	873995	106.09744	Kenneth Starkey

(⊕) Denotes Location of Well on United States Topographic Maps



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.

L. L. S. Smalls
L. L. S. 687



FILE NO: W2192 (BK 65-61)
DRAWING NO:
SCALE: 1" = 1800'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: JUNE 26 20 19
OPERATORS WELL NO: ERLEWINE 10H
API WELL NO
47 - 103 - 02955
STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1,220' WATERSHED: TRIBUTARY OF PROCTOR CREEK QUADRANGLE: NEW MARTINSVILLE 7.5'
DISTRICT: Proctor COUNTY: Wetzel

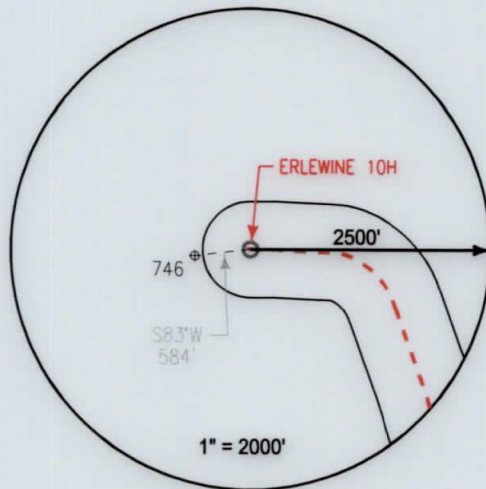
SURFACE OWNER: Richard Erlewine ACREAGE: 135 ±
ROYALTY OWNER: Ronald Carney, et ux LEASE NO: 873753 ACREAGE: 130.20 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,840'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
Bridgeport, WV 26330 Bridgeport, WV 26330

Erlewine 10H
Erlewine
EQT Production Company

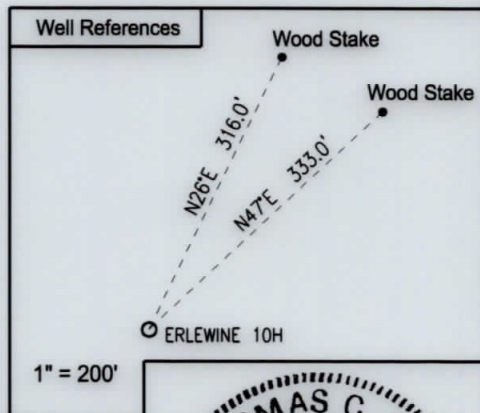
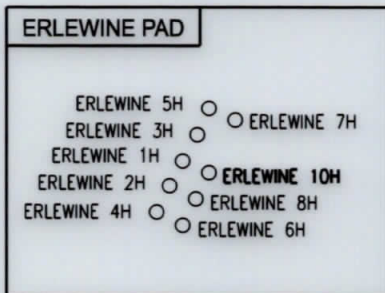
Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	6	46	Wetzel	Proctor	Richard L. Erlewine	134.97
2	6	47	Wetzel	Proctor	Victor Richard Reed ET AL	16.82
3	7	34	Wetzel	Proctor	Kevin Goff	18.54
4	7	37	Wetzel	Proctor	Rost Energy Company	65.57
5	12	2	Wetzel	Proctor	Emma L. & John J. Moore	27.9
6	12	1	Wetzel	Proctor	Kevin Goff	37.58
7	11	12	Wetzel	Proctor	Emma Louise Wilson	91.45
8	12	14	Wetzel	Proctor	Rost Energy Company	18.65
9	12	27.1	Wetzel	Proctor	Sharon Henthorn	109.12
10	12	28	Wetzel	Proctor	David J. & Freeman J. Miller	117.96
11	11	4	Wetzel	Proctor	Emma Louise Wilson	4.89
12	11	5	Wetzel	Proctor	Emma L. & John J. Moore	32.96
13	6	40	Wetzel	Proctor	Kevin S. Goff	20.63
14	6	30	Wetzel	Proctor	Albert Ray Anderson	118.05
15	6	39	Wetzel	Proctor	Ethyl Anderson EST	1.61
16	7	23	Wetzel	Proctor	Clegg Family Irrevocable Trust	52.16
17	7	35	Wetzel	Proctor	Clegg Family Irrevocable Trust	8.49
18	7	36	Wetzel	Proctor	Clegg Family Irrevocable Trust	8.95
19	7	24	Wetzel	Proctor	Lane C. & Minervar Evans	157.39
20	7	38	Wetzel	Proctor	Rost Energy Company	8.3
21	12	3	Wetzel	Proctor	Rost Energy Company	22.79
22	12	6	Wetzel	Proctor	Rost Energy Company	24.39
23	12	5	Wetzel	Proctor	Rost Energy Company	12.75
24	12	28.1	Wetzel	Proctor	Bill Hershberger ET AL	14.43
25	12	45	Wetzel	Proctor	Peter G. Stansberry	117.02
26	12	63	Wetzel	Proctor	Blue Group Operating Inc.	81.77
27	12	61	Wetzel	Proctor	Blue Group Operating Inc.	12.57
28	12	44.3	Wetzel	Proctor	Roger J. Powell	2.57
29	12	44.2	Wetzel	Proctor	Roger J. Powell	10.54
30	12	44	Wetzel	Proctor	Charles G. Shepard	63.95
31	12	27	Wetzel	Proctor	Sharon Henthorne	1.67
32	11	25.2	Wetzel	Proctor	AM Smith ER & SJ Headley	3.93
33	11	25.3	Wetzel	Proctor	Joyce A. Meeden	4.6
34	11	N/A	Wetzel	Proctor	N/A	0.8
35	11	24	Wetzel	Proctor	Bradley Ray Nice	71.29
36	11	28	Wetzel	Proctor	John A. Helmick	1.07
37	11	20.1	Wetzel	Proctor	Debra Lynn Oates	1
38	11	20	Wetzel	Proctor	John A. Helmick	16.1
39	11	9	Wetzel	Proctor	Emily D. Wilson	0.95
40	11	11	Wetzel	Proctor	Christy Leek	38.3
41	11	3	Wetzel	Proctor	Wilson Mary & Christy Leek EST	53.08
42	6	45	Wetzel	Proctor	Christy Leek	28.77
43	6	45.1	Wetzel	Proctor	Donald F. & Martha J. Arrick	53.6
44	6	36	Wetzel	Proctor	Richard L. Erlewine	131.8



Notes:
ERLEWINE 10H As-Drilled coordinates are
 NAD 27 N: 433,666.003 E: 1,634,896.001
 NAD 27 Lat: 39.683424 Long: -80.797301
 NAD 83 UTM N: 4,392,649.675 E: 517,397.616
ERLEWINE 10H As-Drilled Landing Point coordinates are
 NAD 27 N: 433,069.373 E: 1,636,405.970
 NAD 27 Lat: 39.681846 Long: -80.791906
 NAD 83 UTM N: 4,392,475.602 E: 517,860.672
ERLEWINE 10H As-Drilled Bottom Hole coordinates are
 NAD 27 N: 428,724.763 E: 1,637,826.330
 NAD 27 Lat: 39.669976 Long: -80.786639
 NAD 83 UTM N: 4,391,159.220 E: 518,315.453
 West Virginia Coordinates system of 1927 (North Zone)
 based upon Differential GPS Measurements
 Plat orientation, Corner and well ties are based upon
 the grid north meridian
 Well location references are based upon the grid north
 meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

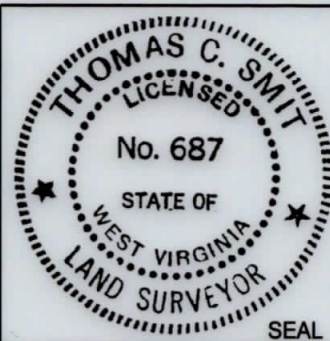
LEGEND

- ⊕ Active Well Location
- 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.

Thomas C. Smalls
 L. L. S. 687



FILE NO: W2192 (BK 65-61)
 DRAWING NO: _____
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY:
1:2500
 PROVEN SOURCE OF ELEVATION:
NGS CORS Station

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

DATE: JUNE 25 20 19
 OPERATORS WELL NO: ERLEWINE 10H
API WELL NO
47 - 103 - 02955
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION ELEVATION: 1,220' WATERSHED: TRIBUTARY OF PROCTOR CREEK QUADRANGLE: NEW MARTINSVILLE 7.5'
 DISTRICT: Proctor COUNTY: Wetzel
 SURFACE OWNER: Richard Erlewine ACREAGE: 135 ±
 ROYALTY OWNER: Ronald Carney, et ux LEASE NO: 873753 ACREAGE: 130.20 ±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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