

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

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OCT 02 2024

WV Department of
Environmental Protection

API 47 - 103 - 03467 County Wetzel District Proctor
Quad Glen Easton 7.5' Pad Name Elmer Field/Pool Name N/A
Farm name Elnora Tuttle HRS. Well Number Elmer N-18HU (L027250)
Operator (as registered with the OOG) EQT Production Company
Address 400 Woodcliff Drive 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 4,393,817.36 Easting 522,503.39
Landing Point of Curve Northing 4,393,430.11 Easting 523,155.66
Bottom Hole Northing 4,396,536.98 Easting 521,904.58

Elevation (ft) 1277' 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)

Synthetic Oil Based Mud 14.74 ppg barium sulfate, sodium chloride, xanthan gum, polyanionic cellulose, modified starch, sodium hydroxide, phosphonates and alkyl phosphates, glutaraldehyde solution, calcium hydroxide, partially hydrolyzed polyacrylamide/polyacrylate, potassium chloride, sodium carbonate, ground walnut shells, alcohol and modified fatty acid, ferrochrome lignosulfonate, calcium carbonate, fibrous cellulose

Date permit issued 02/11/2022 Date drilling commenced 08/07/2022 Date drilling ceased 09/24/2023
Date completion activities began 04/20/2024 Date completion activities ceased 07/3/2024
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 1003' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1645' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 563', 906', 999' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by: [Signature]
12/13/2024

API 47-103 - 03467 Farm name Elnora Tuttle HRS. Well number Elmer N-18HU (L027250)

CASING STRINGS	Hole Size	Casing Size	Depth (GL)	New or Used	Grade wt/ft	Basket Depth(s) (GL)	Did cement circulate (Y/N) * Provide details below*
Conductor	38"	30"	120'	NEW	A-500 118.65#	N/A	Y
Surface	26"	20"	1061'	NEW	J-55 106.5#	N/A	Y
Coal							
Intermediate 1	17-1/2"	13-3/8"	2866'	NEW	J-55 54.5#	N/A	Y
Intermediate 2	12-3/8"; 12-1/4"	9-5/8"	10,707'	NEW	P-110-IC 47#	N/A	Y
Intermediate 3							
Production	8-1/2"	5-1/2"	25,065'	NEW	P-110 23#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production cmt has calculated TOC of 4226'GL, which is greater than 500'TVD above the producing formation. No issues during cement job.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (GL)	WOC (hrs)
Conductor	CLASS A	310	15.6	1.21	375	0	8+
Surface	CLASS A	1516	15.6	1.18	1788	0	8
Coal							
Intermediate 1	CLASS A	2331	15.6	1.18	2750	0	8
Intermediate 2	CLASS A	4150	14.5	1.33	5519	0	8
Intermediate 3							
Production	CLASS A	4510	16.5	1.10	4961	4226'	8+
Tubing							

Drillers TD (ft) 25,083' Loggers TD (ft) N/A
 Deepest formation penetrated POINT PLEASANT Plug back to (ft) N/A
 Plug back procedure 04/21/2023: Pump Balance Plug: Pump 24bbls Eco Spacer @11# (y2.714 w16.42), Pump 40 bbl Cmt @ 14.5# (y1.34 w5.98), Pump 3.5 bbls Tuned Pumps, Displace Brine 10 bbls,

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Kick off depth (ft) 3,285'

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 _____
 CONDUCTOR- NONE _____
 SURFACE- ON SHOE TRACK AND EVERY 500' TO SURFACE _____
 INTERMEDIATE: ON SHOE TRACK AND EVERY 500' FEET TO SURFACE _____
 PRODUCTION: ON SHOE TRACK AND EVERY OTHER JOINT TO 14,097', EVERY JOINT TO 10,567' AND EVERY OTHER JOINT TO 15' _____

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 _____

12/13/2024

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PRODUCING FORMATION(S)	DEPTHS	
Utica	11,711-11,806 TVD	12,122-25,083 MD
_____	_____	_____
_____	_____	_____

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Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 8126 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 13507 mcfpd Oil 0 bpd NGL 0 bpd Water 200 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		

Please insert additional pages as applicable.


Drilling Contractor Nabors Drilling Technologies USA, INC.
 Address 515 West Greens Road, Suite 1200 City Houston State TX Zip 77067

Logging Company Baker Hughes
 Address 400 Technology Dr Suite 100 City Canonsburg State PA Zip 15317

Cementing Company Halliburton
 Address 121 Champion Way Suite 110 City Canonsburg State PA Zip 15317

Cementing Company Lightning Energy Services
 Address 104 Heliport Loop City Bridgeport State WV Zip 26330

Please insert additional pages as applicable.

Completed by Jacob Caplan Telephone 412-215-2723
 Signature  Title Mgr Completions Engr Date 2024-09-20

API 47- 103 - 03467 Farm name Elnora Tuttle HRS. Well number Elmer N-18HU (L027250)

Drilling Contractor Falcon (Rig 29)
Address 1120 US-119 City Indiana State PA Zip 15701

Logging Company Nzone Guidance, LLC
Address 140 Falcon Lane City Liberty Hill State TX Zip 78642

Logging Company _____
Address _____ City _____ State _____ Zip _____

Drilling Contractor _____
Address _____ City _____ State _____ Zip _____

Well # ELMER N-18HU (L027250) Final Formations API# 47-103-03467

Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	564	563
Washington Coal	564	563	566	565
Sand/Shale	566	565	907	906
Sewickley Coal	907	906	910	909
Sand/Shale	910	909	1,000	999
Pittsburgh Coal	1,000	999	1,004	1,003
Sand/Shale	1,004	1,003	2,343	2,342
Big Lime	2,343	2,342	2,474	2,473
Big Injun	2,474	2,473	2,620	2,619
Sand/Shale	2,620	2,619	2,788	2,787
Weir	2,788	2,787	2,976	2,975
Sand/Shale	2,976	2,975	3,178	3,177
Gordon	3,178	3,177	3,309	3,308
Sand/Shale	3,309	3,308	5,632	5,585
Alexander	5,632	5,585	6,224	6,162
Rhinestreet	6,224	6,162	6,651	6,578
Middlesex	6,651	6,578	6,706	6,631
Sand/Shale	6,706	6,631	6,726	6,651
Geneseo	6,726	6,651	6,753	6,677
Tully	6,753	6,677	6,787	6,710
Hamilton	6,787	6,710	6,831	6,753
Marcellus	6,831	6,753	6,883	6,804
Onondaga	6,883	6,804	7,114	7,030
Oriskany	7,114	7,030	7,221	7,134
Helderberg	7,221	7,134	7,585	7,488
Sand/Shale	7,585	7,488	7,565	7,468
Salina	7,565	7,468	8,412	8,292
Sand/Shale	8,412	8,292	8,645	8,519
Lockport	8,645	8,519	9,001	8,866
Rose Hill	9,001	8,866	9,277	9,134
Packer Shell	9,277	9,134	9,479	9,330
Clinton	9,479	9,330	9,585	9,433
Queenston	9,585	9,433	10,362	10,190
Sand/Shale	10,362	10,190	10,364	10,192
Reedsville	10,364	10,192	11,887	11,594
Utica	11,887	11,594	12,122	11,711
Point Pleasant	12,122	11,711	25,083	11,806

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Perforation Data

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Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	04/21/2024	24975	24801	48	Utica
3	04/21/2024	24777	24603	48	Utica
4	04/22/2024	24579	24405	48	Utica
5	04/22/2024	24381	24207	48	Utica
6	04/23/2024	24183	24009	48	Utica
7	04/23/2024	23985	23811	48	Utica
8	04/24/2024	23787	23613	48	Utica
9	04/25/2024	23589	23415	48	Utica
10	04/25/2024	23391	23217	48	Utica
11	04/25/2024	23193	23019	48	Utica
12	04/26/2024	22995	22821	48	Utica
13	04/26/2024	22797	22623	48	Utica
14	04/26/2024	22599	22425	48	Utica
15	04/26/2024	22401	22227	48	Utica
16	04/27/2024	22203	22029	48	Utica
17	04/27/2024	22005	21831	48	Utica
18	04/28/2024	21807	21633	48	Utica
19	04/28/2024	21609	21435	48	Utica
20	04/29/2024	21411	21237	48	Utica
21	04/29/2024	21213	21039	48	Utica
22	04/30/2024	21015	20841	48	Utica
23	04/30/2024	20817	20643	48	Utica
24	04/30/2024	20619	20445	48	Utica
25	05/01/2024	20421	20247	48	Utica
26	05/01/2024	20223	20049	48	Utica
27	05/01/2024	20025	19851	48	Utica
28	05/02/2024	19827	19653	48	Utica
29	05/02/2024	19629	19455	48	Utica
30	05/02/2024	19431	19257	48	Utica
31	05/02/2024	19233	19059	48	Utica
32	05/03/2024	19035	18861	48	Utica
33	05/03/2024	18837	18663	48	Utica
34	05/03/2024	18639	18465	48	Utica
35	05/03/2024	18441	18267	48	Utica
36	05/04/2024	18243	18069	48	Utica
37	05/04/2024	18045	17871	48	Utica
38	05/04/2024	17847	17673	48	Utica
39	05/05/2024	17649	17475	48	Utica
40	05/05/2024	17451	17277	48	Utica
41	05/05/2024	17253	17079	48	Utica
42	05/05/2024	17055	16881	48	Utica
43	05/06/2024	16857	16683	48	Utica

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12/13/2024 *ON*

44	05/06/2024	16659	16485	48	Utica
45	05/06/2024	16461	16287	48	Utica
46	05/06/2024	16263	16089	48	Utica
47	05/07/2024	16065	15891	48	Utica
48	05/07/2024	15867	15693	48	Utica
49	05/07/2024	15669	15495	48	Utica
50	05/07/2024	15471	15297	48	Utica
51	05/08/2024	15273	15099	48	Utica
52	05/09/2024	15075	14901	48	Utica
53	05/09/2024	14877	14703	48	Utica
54	05/09/2024	14679	14554	36	Utica

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Stimulation Data

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Stage #	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	04/21/2024	86	11579	9759	7332	250380	6675	
2	04/21/2024	92	11588	10940	7327	500503	10543	
3	04/22/2024	91	11617	7354	8192	500536	9933	
4	04/22/2024	92	11633	10421	8357	500612	9872	
5	04/23/2024	87	11526	9224	8370	500164	9905	
6	04/23/2024	88	11449	10005	8493	499798	11744	
7	04/24/2024	83	11545	10779	7712	499587	9997	
8	04/25/2024	87	11524	7715	7365	500507	9875	
9	04/25/2024	90	11467	9209	8386	500904	9879	
10	04/26/2024	95	11529	10207	8069	500984	9925	
11	04/26/2024	92	11523	8435	11582	500734	10468	
12	04/26/2024	89	11497	8863	11634	500072	9812	
13	04/26/2024	89	11485	11304	7432	500160	9773	
14	04/27/2024	94	11506	10537	8161	500312	11385	
15	04/27/2024	88	11505	10235	8377	500441	9881	
16	04/27/2024	92	11435	7300	7969	500161	9804	
17	04/28/2024	94	11479	8351	8114	500598	9782	
18	04/28/2024	91	11324	8655	8254	540081	9776	
19	04/29/2024	99	11498	9756	7958	500453	9747	
20	04/30/2024	88	10838	9047	8079	500295	9770	
21	04/30/2024	96	11506	8462	8127	500242	9729	
22	04/30/2024	97	11471	9161	7401	500137	9894	
23	05/01/2024	96	11514	8643	8435	500881	9899	
24	05/01/2024	88	11426	11473	7985	500052	9766	
25	05/01/2024	92	11387	9533	8160	500188	9749	
26	05/02/2024	97	11508	9393	8083	500316	9763	
27	05/02/2024	95	11443	11018	8198	500234	9892	
28	05/02/2024	96	11504	10687	8544	500473	10097	
29	05/02/2024	97	11493	11030	8415	500430	10031	
30	05/03/2024	92	11416	8496	8374	500567	9720	
31	05/03/2024	96	11355	9217	8078	500414	9699	
32	05/03/2024	98	11495	8889	8136	500375	9726	
33	05/03/2024	98	11478	8670	8302	500518	9699	
34	05/04/2024	94	11413	8387	8085	500600	9868	
35	05/04/2024	99	11491	10495	8301	500943	9696	
36	05/04/2024	99	11486	8983	8417	500533	9907	
37	05/05/2024	100	11348	11311	8358	500426	9679	
38	05/05/2024	97	11433	8416	8516	500664	9669	
39	05/05/2024	99	11476	9379	8790	500759	9901	
40	05/05/2024	99	11479	9734	8822	500819	9891	
41	05/06/2024	99	11346	8913	8601	500576	9651	
42	05/06/2024	99	11442	11492	8378	500458	10093	

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43	05/06/2024	96	11354	10318	8253	500650	9996
44	05/06/2024	100	11174	8430	8351	500264	9674
45	05/07/2024	100	11068	8471	8429	500665	9639
46	05/07/2024	100	11384	8288	8538	500491	9813
47	05/07/2024	100	11293	9147	8318	500721	9941
48	05/07/2024	100	10952	8731	8509	501058	9594
49	05/08/2024	100	10963	8698	8342	500669	9610
50	05/09/2024	100	10859	9165	8439	502302	9819
51	05/09/2024	100	10770	9191	8346	500456	9656
52	05/09/2024	100	11150	8396	8267	500941	9713
53	05/09/2024	100	11203	9440	8387	500157	9708
54	05/10/2024	100	11056	11373	8568	375406	7194

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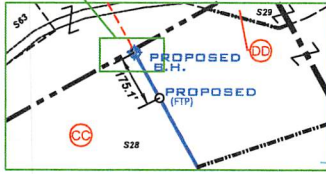
ELMER LEASE
WELL N-18HU
310.9511 ± ACRES
EQT PRODUCTION COMPANY

TOP HOLE LATITUDE: 39°42'30"
BOTTOM HOLE LATITUDE: 39°45'00"

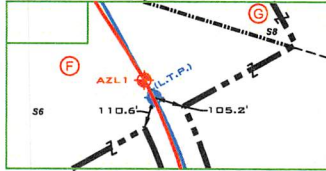
GRID NORTH

SEE
INSET
"C"

INSET "A"



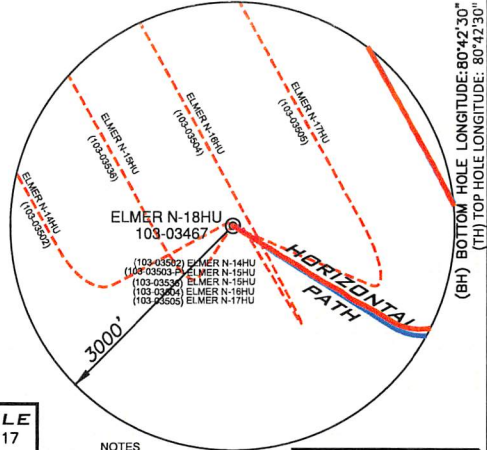
INSET "B"



SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,817.36
E) 522,503.39

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,760.22
E) 523,503.79

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,711.96
E) 521,799.67



(BH) BOTTOM HOLE LONGITUDE: 80°42'30"
(TH) TOP HOLE LONGITUDE: 80°42'30"

(BH) 11,520'

NOTES

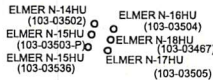
- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN JULY, 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- ALL DEEP WELLS WITHIN 1,000' ARE SHOWN ON THIS PLAT.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DIXIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

LEGEND

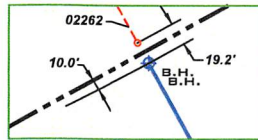
- LEASE TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- LEASE # (SEE GAL FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT
- ASDRILLED LEG
- PERMITTED LEG

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

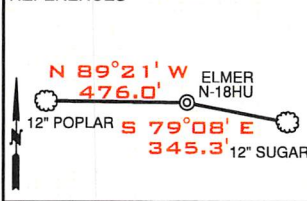
DETAIL SKETCH "A" N.T.S.



INSET "C"



REFERENCES SCALE 1"=500'



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SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,817.36
E) 522,503.39

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,430.11
E) 523,155.66

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,536.98
E) 521,904.58

FILE NUMBER _____

DRAWING NUMBER ELMER_N-18HU_REV2

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

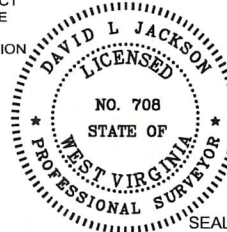
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 708

David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851



WVDEP
OFFICE OF OIL & GAS
601 57TH STREET, SE
CHARLESTON, WV 25304

DATE: NOVEMBER 02, 2023

OPERATORS WELL NO. ELMER N-18HU

API WELL NO. 47-103-03467

STATE COUNTY PERMIT

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

LOCATION ELEVATION 1,276.50' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)

DISTRICT PROCTOR COUNTY WETZEL

QUADRANGLE WILEYVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER ELNORA TUTTLE HRS. ACREAGE 39.19

OIL & GAS ROYALTY OWNER ELNORA TUTTLE HRS. - SEE WW-6A1 LEASE ACREAGE 39.19

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,840' TMD: 25,116'

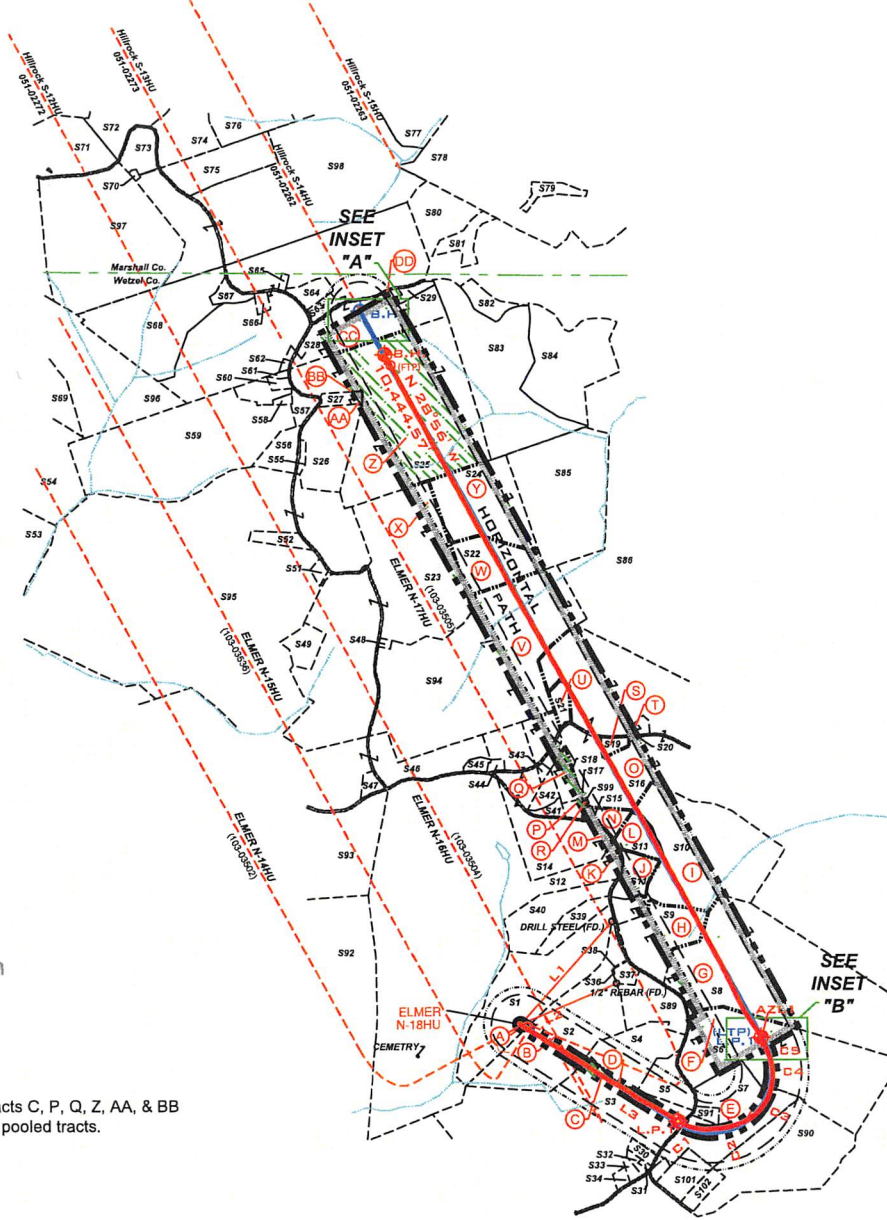
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW

ADDRESS 400 WOODCLIFF DRIVE CANONSBURG, PA 15317 ADDRESS 427 MIDSTATE DRIVE CLARKSBURG, WV 25301

12/13/2024

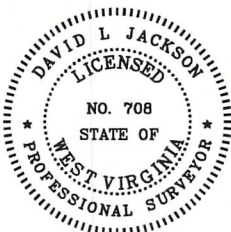
**ELMER LEASE
WELL N-18HU
310.9511± ACRES
EQT PRODUCTION COMPANY**

form 6466
GRID NORTH



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OCT 02 2024
WV Department of
Environmental Protection

NOTE: Tracts C, P, Q, Z, AA, & BB are forced pooled tracts.



P.S.
708

David L Jackson

LINE	BEARING	DISTANCE
L1	N 41°47' E	1844.12
L2	N 67°00' E	1399.04
L3	S 58°21' E	2,485.53

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 73°08' E	368.75'	715.83'	372.96'
C2	N 79°09' E	552.15'	1248.95'	556.75'
C3	N 36°05' E	625.34'	666.37'	650.92'
C4	N 05°27' W	366.46'	684.97'	370.97'
C5	N 23°31' W	278.66'	1795.47'	278.94'

ASDRILLED LEG
PERMITTED LEG

LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	WELL LATERAL
	POINT PLEASANT LEGS
	UNIT BOUNDARY
	LEASE # (SEE GAI FORM)
	400' BORE PATH OFFSET
	500' WELL BORE OFFSET
	PROPOSED FIRST TAKE POINT
	PROPOSED LAST TAKE POINT
	FORCED POOL TRACT



OPERATOR'S
WELL #: ELMER N-18HU
DISTRICT: Proctor
COUNTY: Wetzel
STATE: WV
API #: 47-103-03467

WELL PLAT
PAGE 2 OF 4
DATE: 11/02/2023

12/13/2024

form wv6

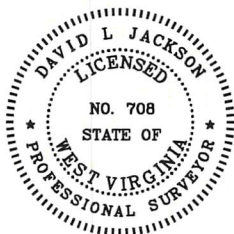
**ELMER LEASE
WELL N-18HU
310.9511± ACRES
EQT PRODUCTION COMPANY**

* FORCED POOLED TRACTS ARE HIGHLIGHTED

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	12-8-15	ELNORA TUTTLE HRS.	39.19
B	S2	12-8-16	CHARLES & BETTY HUGGINS	39.13
C	S3	12-8-20	NANCT TRUEK	95.35
D	S4	12-8-21.1	LINDA M. STOUT	15.26
E	S7	12-8-32	DAVID TODD & CINDY L. BATES & CHARLES M. THOMAS	27.287
F	S6	12-8-23	JACOB WOODROW & MARY JOSEPHINE NICE	59
G	S8	12-8-17	JACOB WOODROW & MARY JOSEPHINE NICE	85.89
H	S9	12-8-4	JACOB WOODROW & MARY JOSEPHINE NICE	20.893
I	S10	12-8-4.5	JACOB WOODROW & MARY JOSEPHINE NICE	51.107
J	S11	12-8-4.1	JACOB WOODROW & MARY JOSEPHINE NICE	6.171
K	S12	12-8-2	R. SHANE & KATHRYN GODDARD	178
L	S13	12-8-4.3	BRADY G. & SHARON L. HOWELL	5.59
M	S14	12-8-3	R. SHANE & KATHRYN GODDARD	31.13
N	S15	12-3-31	DOUGLAS & SUZANNE ESTEP	3.25
O	S16	12-3-30.4	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E)	81.82
P	S17	12-3-39.1	WILLIAM NICE	1.31
Q	S18	12-3-39	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E)	4.69
R	S99	p/o 12-3-39 & 12-3-30.4	DONALD & SUZANNE ESTEP	0.145
S	S19	12-3-30.2	APRIL ROSE & DONALD ALLEN POSTLETHWAIT	1.67
T	S20	12-3-30	APRIL ROSE POSTLETHWAIT ; MARY ROSE YOHIO - L/E	1.48
U	S21	12-3-29	FRIEND V. ESTEP (RAYMOND F. ESTEP - L/E)	2.9
V	S94	12-3-21	LARRY J & MARY ANN KIRKLAND	99.53
W	S22	12-3-14.1	MATTHEW D. HALL	13
X	S23	12-3-13	LARRY J. & MARY ANN KIRKLAND	95
Y	S24	12-3-14	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER	27
Z	S25	12-3-4	MARY HOHMAN ET AL	85
AA	S26	12-3-3.1	DIANA & ROBERT L. SMITH	15.78
BB	S27	12-3-02	ROBERT LEE & DIANA G. SMITH	2.48
CC	S28	5-25-11.2	JAMES W. KLUG	110.491
DD	S29	12-3-42	J. M. KLUG	2.617

Adjoining Parcels Ownership Table				
Number	Tax Map -Parcel	Surface Owner	Acres	
55	12-8-22.1	BARRY C. KIRKLAND	7.401	
530	12-8-20.1	PAUL J. BLAKE	1.5	
531	12-8-20.3	PAUL J. BLAKE	0.25	
532	12-8-20.9	JOSHUA M. & COURTNEY R. NEFF	0.4	
533	12-8-20.8	JOSHUA M. & COURTNEY R. NEFF	0.99	
534	12-8-20.6	JOHN G. & DEBRA D. THROCKMORTON	1.046	
535	12-8-20.5	JOE B. MILLER & GERALD & SUE YEATER	5.44	
536	12-8-4.4	CHARLES & BETTY HUGGINS	0.69	
537	12-8-4.2	BRENT A. & KIMBERLY J. EDDY	1.861	
538	12-8-16.1	BRENT A. & KIMBERLY J. EDDY	0.06	
539	12-8-14	EDWARD C. & SANDRA K. MURRINER	5.33	
540	12-8-13	EDWARD C. & SANDRA K. MURRINER	1.5	
541	12-3-32.1	TIMOTHY L. & LEA ANN SUMMERS	1.78	
542	12-3-32	TIMOTHY L. SUMMERS	2.32	
543	12-3-30.3	TIMOTHY L. SUMMERS	0.61	
544	12-3-45	ANTIOCH CHURCH	0.774	
545	12-3-28	ANTIOCH CHURCH	1	
546	12-8-1.1	R. SHANE & KATHRYN GODDARD	92.69	
547	12-8-1.2	JOSH GODDARD	1.81	
548	12-3-21.1	LARRY J. & MARY ANN KIRKLAND	0.47	
549	12-3-13.1	ZACHARY J. KIRKLAND	5	
550	12-2-22.1	DAVID A. NICE	54.66	
551	12-3-48	RONALD W. & JULIE A. NICE	1	
552	12-3-12	RODNEY DEAN JACKSON	3.625	
553	12-2-12	BERYL E. MASON	59.9	
554	12-2-13	JAY S. BOOTH; DANIEL T. BOOTH & DIANE BETH OVERDORFF	100	
555	12-3-3	ANITA LAREL SLOUGH	1.12	
556	12-3-4.2	DEREK L. BAKER	9.21	
557	12-3-4.3	JOSEPH P. & BARBARA A. CAIN	3.619	
558	12-3-4.8	ERIN HUBBS	0.621	
559	12-3-4.7	JOSEPH P. & BARBARA A. CAIN	67.3	
560	12-3-4.6	STEVEN P. WAYMAN	1.009	
561	12-3-4.5	HAZEL M. BLAIR	0.451	
562	12-3-1	JAMES W. KLUG	0.375	
563	12-3-43	ADAM W. FERRELL & BRITTANY M. LOY	1.97	
564	12-3-49	LOGAN & AMY TAYLOR	3.814	
565	12-3-47	WETZEL CO. EMERGENCY AMBULANCE	0.5	
566	12-3-44	JAMES A. & JO C. ESTEP	1.1	
567	05-25-11.1	EDWARD W. & DIANNA KLUG	2.343	
568	05-25-11.4	EDWARD W. KLUG, ET UX	32.787	
569	12-2-14.2	JOHN G. JR. & GERALDINE W. ROGERS	22.0007	
570	05-25-13.4	PARSONS CEMETERY	0.382	
571	05-25-14	ROY F. YOHO	23	
572	05-25-1	MICHAEL L. MASON	35.43	
573	05-25-13.2	DAVID A. KLUG	5.89	
574	05-25-13	WILLIAM M. FERDA, JR. & STEPHANIE L. PAUCKA	16.014	
575	05-25-12.1	KENT & BETTY MASON	15	
576	05-25-1.5	RYAN J. BRATTON	21.35	
577	05-25-2	JAMES W. KLUG	122.3	
578	05-25-3	S.D. FERTITTA, ET UX	181.548	
579	05-25-3.1	S.D. FERTITTA, ET UX	3.022	
580	05-25-10	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	18.75	
581	05-25-10.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5.25	
582	12-3-41	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	4.102	
583	12-3-41.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138	
584	12-3-41	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	10.5	
585	12-3-15	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER	38	
586	12-3-22	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	22.5	
587	12-3-30.1	JOAN & MICHAEL J. ESTEP	1.75	
588	12-3-33	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	58.32	
589	12-8-6	JEREMY S. & ERIN P. GODDARD	25	
590	12-8-32.8	DAVID TODD & CINDY L. BATES	36.425	
591	12-8-32.6	CHARLES W. THOMAS, JR.	1.309	
592	12-8-1	R SHANE & KATHRYN GODDARD	77	
593	12-8-1.1	R SHANE & KATHRYN GODDARD	92.69	
595	12-2-19	NICHOLAS M. & ASHLEY N. GODDARD	243.68	
596	12-2-14	DAVID L. CUNNINGHAM	56.23	
597	5-25-14.1	JUDITH L. WEIGAND	55	
598	5-25-12	MARION PARSONS JR. ET AL	85.16	

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Office Of Oil and Gas
OCT 02 2024
WV Department of
Environmental Protection



P.S. 708 *David L Jackson*



OPERATOR'S
WELL #: ELMER N-18HU WELL PLAT
DISTRICT: Proctor PAGE 3 OF 4
COUNTY: Wetzel DATE: 11/02/2023
STATE: WV
API #: 47-103-03467

12/13/2024

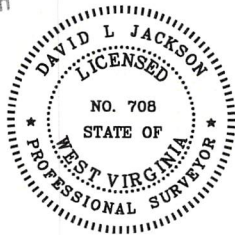
form wvb

**ELMER LEASE
WELL N-18HU
310.9511± ACRES
EQT PRODUCTION COMPANY**

*** FORCED POOLED TRACTS ARE HIGHLIGHTED**

Lease ID	Tag	Parcel	Grantor, Lessor, Etc.	Deed Book/Page	
10*31435	A	12-8-15	HENRY AND NANCY GARNER	55	394
10*31435	B	12-8-16	HENRY AND NANCY GARNER	55	394
10*40570	C	12-8-20	HUBERT D MORRIS, ET AL	295A	175
10*31435	D	12-8-21.1	HENRY AND NANCY GARNER	55	394
10*31435	E	12-8-32	HENRY AND NANCY GARNER	55	394
10*31435	F	12-8-23	HENRY AND NANCY GARNER	55	394
10*40155	G	12-8-17	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	H	12-8-4	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	I	12-8-4.5	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	J	12-8-4.1	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	K	12-8-2	HENRY AND NANCY GARNER	55	394
10*40155	L	12-8-4.3	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	M	12-8-3	HENRY AND NANCY GARNER	55	394
10*31435	N	12-3-31	HENRY AND NANCY GARNER	55	394
10*31435	O	12-3-30.4	HENRY AND NANCY GARNER	55	394
10*24010	P	12-3-39.1	JOHN ROBINSON DAVIS, ET AL	215A	419
10*24010	Q	12-3-39	JOHN ROBINSON DAVIS, ET AL	215A	419
10*31435	R	12-3-30.4	HENRY AND NANCY GARNER, ET AL	55	394
10*31435	S	12-3-30.2	HENRY AND NANCY GARNER	55	394
10*31435	T	12-3-30	HENRY AND NANCY GARNER	55	394
10*31435	U	12-3-29	HENRY AND NANCY GARNER	55	394
10*21681	V	12-3-21	DOROTHY J HAAS, ET AL	214A	358
10*39720	W	12-3-14.1	FREDERICK J BAXTER, ET AL	273A	326
10*22229	X	12-3-13	MURIEL A MILLER, ET AL	204A	150
10*39720	Y	12-3-14	FREDERICK J BAXTER, ET AL	273A	326
10*39463	Z	12-3-4	J P COOPER ET AL	56	245
10*39463	AA	12-3-3.1	J P COOPER ET AL	56	245
10*39463	BB	12-3-2	J P COOPER ET AL	56	245
10*22496	CC	5-25-11.2	JAMES W KLUG	923	543
10*22496	DD	12-3-42	JAMES W KLUG	923	543

RECEIVED
Office Of Oil and Gas
OCT 02 2024
WV Department of
Environmental Protection



P.S. 708 *David L Jackson*



OPERATOR'S	WELL #:	ELMER N-18HU	WELL PLAT
DISTRICT:	Proctor		PAGE 4 OF 4
COUNTY:	Welzel		DATE: 11/02/2023
STATE:	WV		
API #:	47-103-03467		

12/13/2024

(BH) 10,199'

(TH) 8,268'

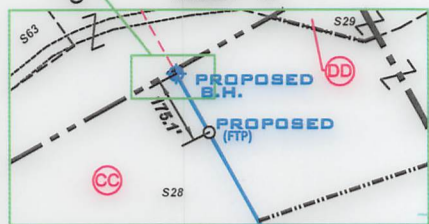
TOP HOLE LATITUDE: 39°42'30"

BOTTOM HOLE LATITUDE: 39°45'00"

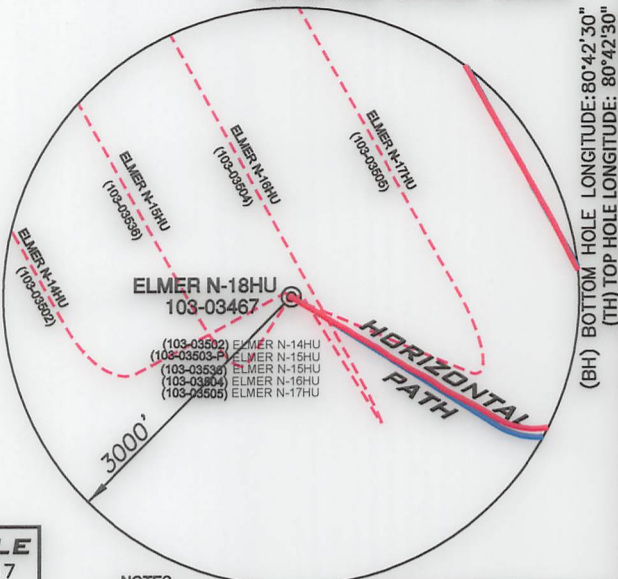
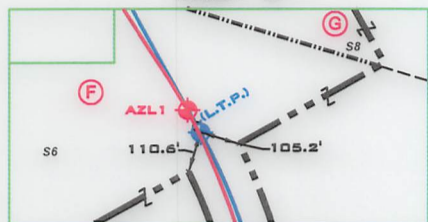
**ELMER LEASE
WELL N-18HU
310.9511 ± ACRES
EQT PRODUCTION COMPANY**

SEE
INSET
"C"

INSET "A"



INSET "B"



(BH) BOTTOM HOLE LONGITUDE: 80°42'30"
(TH) TOP HOLE LONGITUDE: 80°42'30"

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,817.36
E) 522,503.39

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,760.22
E) 523,503.79

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,711.96
E) 521,799.67

NOTES

- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN JULY, 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- ALL DEEP WELLS WITHIN 1,000' ARE SHOWN ON THIS PLAT.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

LEGEND

- LEASE TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT
- ASDRILLED LEG
- PERMITTED LEG

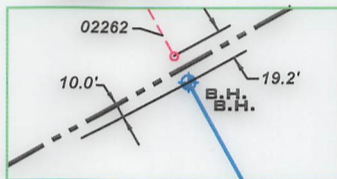
(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

DETAIL SKETCH "A"
N.T.S.

- ELMER N-14HU (103-03502)
- ELMER N-15HU (103-03503-P)
- ELMER N-15HU (103-03536)
- ELMER N-16HU (103-03504)
- ELMER N-18HU (103-03467)
- ELMER N-17HU (103-03505)

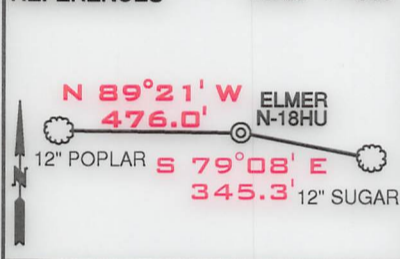


INSET "C"



REFERENCES

SCALE 1"=500'



SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,817.36
E) 522,503.39

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,430.11
E) 523,155.66

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,536.98
E) 521,904.58

FILE NUMBER _____

DRAWING NUMBER ELMER_N-18HU_REV2

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

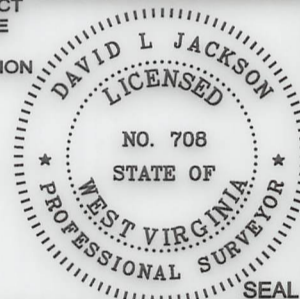
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 708

David L Jackson

JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851



WVDEP
OFFICE OF OIL & GAS
601 57TH STREET, SE
CHARLESTON, WV 25304

DATE: NOVEMBER 02, 2023

OPERATORS WELL NO. ELMER N-18HU

API WELL NO. 47-103-03467
STATE WV COUNTY WV PERMIT WV

LOCATION ELEVATION 1,276.50' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)

DISTRICT PROCTOR COUNTY WETZEL

QUADRANGLE WILEYVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER ELNORA TUTTLE HRS. ACREAGE 39.19

OIL & GAS ROYALTY OWNER ELNORA TUTTLE HRS. - SEE WW-6A1 LEASE ACREAGE 39.19

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION POINT PLEASANT

PLUG & ABANDON CLEAN OUT & REPLUG
ESTIMATED DEPTH TVD: 11,840' TMD: 25,116'

WELL OPERATOR EQT PRODUCTION COMPANY
ADDRESS 400 WOODCLIFF DRIVE
CANONSBURG, PA 15317

DESIGNATED AGENT JOSEPH C. MALLOW
ADDRESS 427 MIDSTATE DRIVE
CLARKSBURG, WV 25301

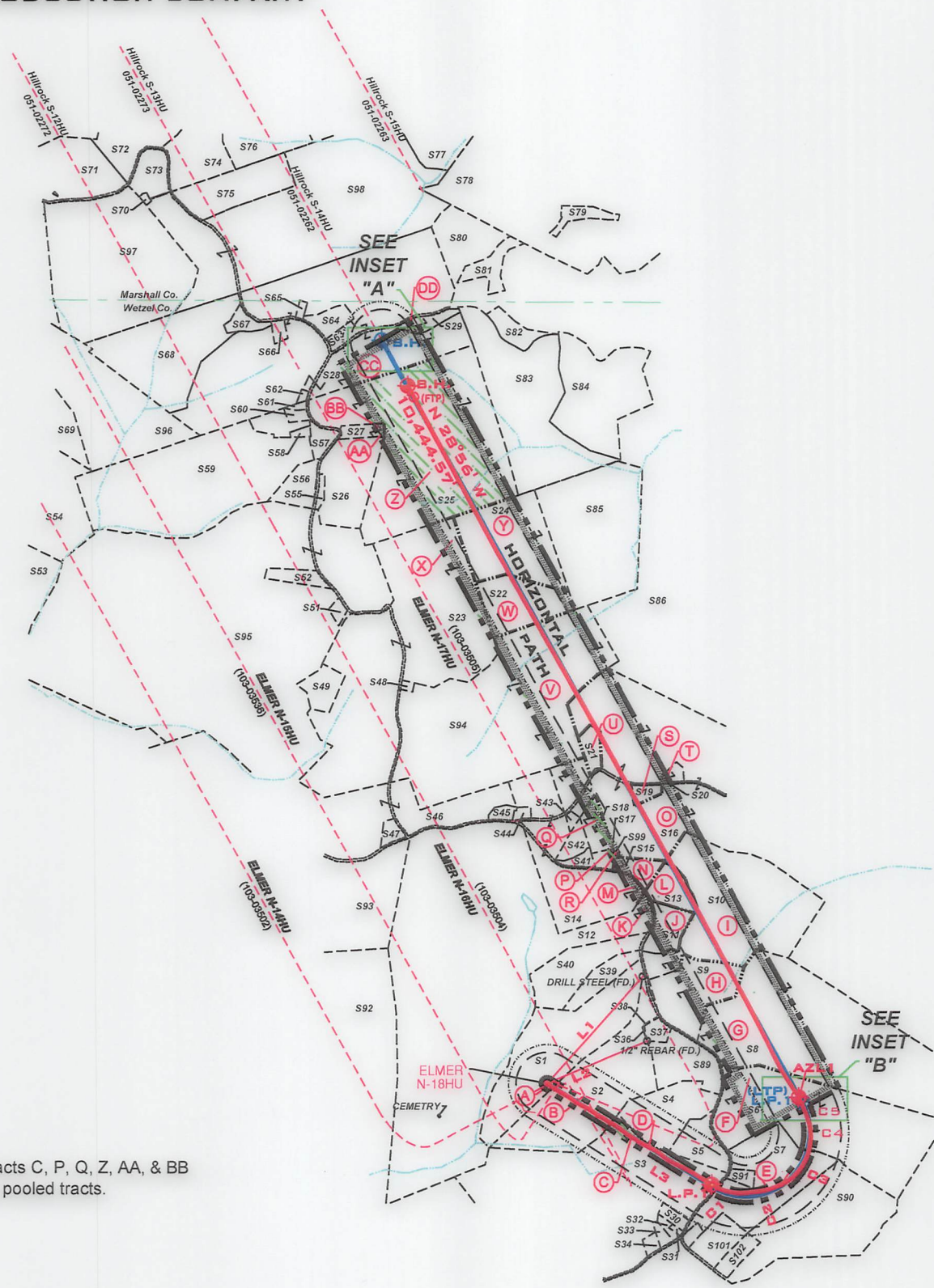
COUNTY NAME
PERMIT

12/13/2024

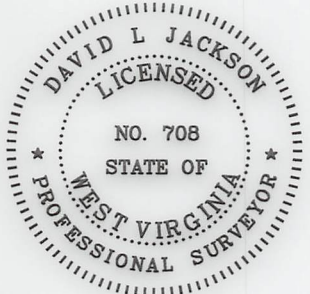
form wv6

**ELMER LEASE
WELL N-18HU
310.9511± ACRES
EQT PRODUCTION COMPANY**

GRID NORTH



NOTE: Tracts C, P, Q, Z, AA, & BB are forced pooled tracts.



P.S. 708 *David L Jackson*

LINE	BEARING	DISTANCE
L1	N 41°47' E	1844.12'
L2	N 67°00' E	1399.04'
L3	S 58°21' E	2,489.53'

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 73°08' E	368.75'	715.83'	372.96'
C2	N 79°09' E	552.15'	1248.95'	556.75'
C3	N 36°05' E	625.34'	666.37'	650.92'
C4	N 05°27' W	366.46'	684.97'	370.97'
C5	N 23°31' W	278.66'	1795.47'	278.94'

ASDRILLED LEG
PERMITTED LEG

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- LEASE # (SEE GA1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- PROPOSED FIRST TAKE POINT (FTP)
- PROPOSED LAST TAKE POINT (LTP)
- FORCED POOL TRACT

12/13/2024

	OPERATOR'S	WELL #:	<u>ELMER N-18HU</u>	WELL PLAT
	DISTRICT:	<u>Proctor</u>		<u>PAGE 2 OF 4</u>
	COUNTY:	<u>Wetzel</u>		<u>DATE: 11/02/2023</u>
	STATE:	<u>WV</u>		
	API #:	<u>47-103-03467</u>		

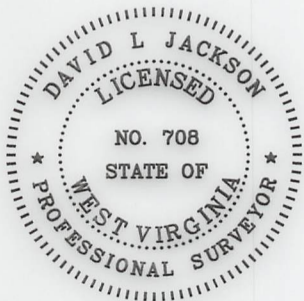
form wv6

**ELMER LEASE
WELL N-18HU
310.9511 ± ACRES
EQT PRODUCTION COMPANY**

* FORCED POOLED TRACTS ARE HIGHLIGHTED

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	12-8-15	ELNORA TUTTLE HRS.	39.19
B	S2	12-8-16	CHARLES & BETTY HUGGINS	39.13
C	S3	12-8-20	NANCT TRUEX	95.35
D	S4	12-8-21.1	LINDA M. STOUT	15.26
E	S7	12-8-32	DAVID TODD & CINDY L. BATES & CHARLES M. THOMAS	27.287
F	S6	12-8-23	JACOB WOODROW & MARY JOSEPHINE NICE	59
G	S8	12-8-17	JACOB WOODROW & MARY JOSEPHINE NICE	85.69
H	S9	12-8-4	JACOB WOODROW & MARY JOSEPHINE NICE	20.893
I	S10	12-8-4.5	JACOB WOODROW & MARY JOSEPHINE NICE	51.107
J	S11	12-8-4.1	JACOB WOODROW & MARY JOSEPHINE NICE	6.171
K	S12	12-8-2	R. SHANE & KATHRYN GODDARD	178
L	S13	12-8-4.3	BRADY G. & SHARON L. HOWELL	5.59
M	S14	12-8-3	R. SHANE & KATHRYN GODDARD	31.13
N	S15	12-3-31	DOUGLAS & SUZANNE ESTEP	3.25
O	S16	12-3-30.4	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP- L/E)	81.82
P	S17	12-3-39.1	WILLIAM NICE	1.31
Q	S18	12-3-39	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP- L/E)	4.69
R	S99	p/o 12-3-39 & 12-3-30.4	DONALD & SUZANNE ESTEP	0.145
S	S19	12-3-30.2	APRIL ROSE & DONALD ALLEN POSTLETHWAIT	1.67
T	S20	12-3-30	APRIL ROSE POSTLETHWAIT ; MARY ROSE YOHO - L/E	1.48
U	S21	12-3-29	FRIEND V. ESTEP (RAYMOND F. ESTEP- L/E)	2.9
V	S94	12-3-21	LARRY J & MARY ANN KIRKLAND	99.53
W	S22	12-3-14.1	MATTHEW D. HALL	13
X	S23	12-3-13	LARRY J. & MARY ANN KIRKLAND	95
Y	S24	12-3-14	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER	27
Z	S25	12-3-4	MARY HOHMAN ET AL	85
AA	S26	12-3-3.1	DIANA & ROBERT L. SMITH	15.78
BB	S27	12-3-02	ROBERT LEE & DIANA G. SMITH	2.48
CC	S28	5-25-11.2	JAMES W. KLUG	110.491
DD	S29	12-3-42	J. M. KLUG	2.617

Adjoining Parcels Ownership Table			
Number	Tax Map -Parcel	Surface Owner	Acres
S5	12-8-22.1	BARRY C. KIRKLAND	7.401
S30	12-8-20.1	PAUL J. BLAKE	1.5
S31	12-8-20.3	PAUL J. BLAKE	0.25
S32	12-8-20.9	JOSHUA M. & COURTNEY R. NEFF	0.4
S33	12-8-20.8	JOSHUA M. & COURTNEY R. NEFF	0.99
S34	12-8-20.6	JOHN G. & DEBRA D. THROCKMORTON	1.046
S35	12-8-20.5	JOE B. MILLER & GERALD & SUE YEATER	5.44
S36	12-8-4.4	CHARLES & BETTY HUGGINS	0.69
S37	12-8-4.2	BRENT A. & KIMBERLY J. EDDY	1.861
S38	12-8-16.1	BRENT A. & KIMBERLY J. EDDY	0.06
S39	12-8-14	EDWARD C. & SANDRA K. MURRINER	5.33
S40	12-8-13	EDWARD C. & SANDRA K. MURRINER	15
S41	12-3-32.1	TIMOTHY L. & LEA ANN SUMMERS	1.78
S42	12-3-32	TIMOTHY L. SUMMERS	2.32
S43	12-3-30.3	TIMOTHY L. SUMMERS	0.61
S44	12-3-45	ANTIOCH CHURCH	0.774
S45	12-3-28	ANTIOCH CHURCH	1
S46	12-8-1.1	R. SHANE & KATHRYN GODDARD	92.69
S47	12-8-1.2	JOSH GODDARD	1.81
S48	12-3-21.1	LARRY J & MARY ANN KIRKLAND	0.47
S49	12-3-13.1	ZACHARY J. KIRKLAND	5
S50	12-2-22.1	DAVID A. NICE	54.66
S51	12-3-48	RONALD W. & JULIE A. NICE	1
S52	12-3-12	RODNEY DEAN JACKSON	3.625
S53	12-2-12	BERYL E. MASON	59.9
S54	12-2-13	JAY S. BOOTH; DANIEL T. BOOTH & DIANE BETH OVERDORFF	100
S55	12-3-3	ANITA LARELL SLOUGH	1.12
S56	12-3-4.2	DEREK L. BAKER	5.21
S57	12-3-4.3	JOSEPH P. & BARBARA A. CAIN	3.619
S58	12-3-4.8	ERIN HUBBS	0.621
S59	12-3-4.7	JOSEPH P. & BARBARA A. CAIN	67.3
S60	12-3-4.6	STEVEN P. WAYMAN	1.009
S61	12-3-4.5	HAZEL M. BLAIR	0.451
S62	12-3-1	JAMES W. KLUG	0.375
S63	12-3-4.3	ADAM W. FERRELL & BRITTANY M. LOY	1.97
S64	12-3-4.9	LOGAN & AMY TAYLOR	3.814
S65	12-3-4.7	WETZEL CO. EMERGENCY AMBULANCE	0.5
S66	12-3-4.4	JAMES A. & JO C. ESTEP	1.1
S67	05-25-11.1	EDWARD W. & DIANNA KLUG	2.343
S68	05-25-11.4	EDWARD W. KLUG, ET UX	32.787
S69	12-2-14.2	JOHN G. JR. & GERALDINE W. ROGERS	22.0007
S70	05-25-13.4	PARSONS CEMETERY	0.382
S71	05-25-14	ROY F. YOHO	23
S72	05-25-1	MICHAEL L. MASON	35.43
S73	05-25-13.2	DAVID A. KLUG	5.89
S74	05-25-13	WILLIAM M. FERDA, JR. & STEPHANIE L. PALICKA	16.014
S75	05-25-12.1	KENT & BETTY MASON	15
S76	05-25-1.5	RYAN J. BRATTON	21.35
S77	05-25-2	JAMES W. KLUG	122.3
S78	05-25-3	S.D. FERTITTA, ET UX	181.548
S79	05-25-3.1	S.D. FERTITTA, ET UX	3.022
S80	05-25-10	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	18.75
S81	05-25-10.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5.25
S82	12-3-4.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	4.102
S83	12-3-41.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138
S84	12-3-4.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	10.5
S85	12-3-15	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. LINGER	38
S86	12-3-22	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	22.5
S87	12-3-30.1	JOAN & MICHAEL J. ESTEP	1.75
S88	12-3-33	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	58.32
S89	12-8-6	JEREMY S. & ERIN P. GODDARD	25
S90	12-8-32.8	DAVID TODD & CINDY L. BATES	36.425
S91	12-8-32.6	CHARLES W. THOMAS, JR.	1.309
S92	12-8-1	R SHANE & KATHRYN GODDARD	77
S93	12-8-1.1	R SHANE & KATHRYN GODDARD	92.69
S95	12-2-19	NICHOLAS M & ASHLEY N GODDARD	243.68
S96	12-2-14	DAVID L CUNNINGHAM	56.23
S97	5-25-14.1	JUDITH L WEIGAND	65
S98	5-25-12	MARION PARSONS JR, ET AL	85.16



P.S. 708

David L Jackson

12/13/2024



OPERATOR'S
WELL #: ELMER N-18HU
DISTRICT: Proctor
COUNTY: Wetzel
STATE: WV
API #: 47-103-03467

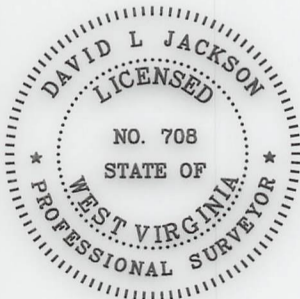
WELL PLAT
PAGE 3 OF 4
DATE: 11/02/2023

form ww6

**ELMER LEASE
WELL N-18HU
310.9511± ACRES
EQT PRODUCTION COMPANY**

* FORCED POOLED TRACTS ARE HIGHLIGHTED

Lease ID	Tag	Parcel	Grantor, Lessor, Etc.	Deed Book/Page	
10*31435	A	12-8-15	HENRY AND NANCY GARNER	55	394
10*31435	B	12-8-16	HENRY AND NANCY GARNER	55	394
10*40570	C	12-8-20	HUBERT D MORRIS, ET AL	295A	175
10*31435	D	12-8-21.1	HENRY AND NANCY GARNER	55	394
10*31435	E	12-8-32	HENRY AND NANCY GARNER	55	394
10*31435	F	12-8-23	HENRY AND NANCY GARNER	55	394
10*40155	G	12-8-17	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	H	12-8-4	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	I	12-8-4.5	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*40155	J	12-8-4.1	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	K	12-8-2	HENRY AND NANCY GARNER	55	394
10*40155	L	12-8-4.3	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	M	12-8-3	HENRY AND NANCY GARNER	55	394
10*31435	N	12-3-31	HENRY AND NANCY GARNER	55	394
10*31435	O	12-3-30.4	HENRY AND NANCY GARNER	55	394
10*24010	P	12-3-39.1	JOHN ROBINSON DAVIS, ET AL	215A	419
10*24010	Q	12-3-39	JOHN ROBINSON DAVIS, ET AL	215A	419
10*31435	R	12-3-30.4	HENRY AND NANCY GARNER, ET AL	55	394
10*31435	S	12-3-30.2	HENRY AND NANCY GARNER	55	394
10*31435	T	12-3-30	HENRY AND NANCY GARNER	55	394
10*31435	U	12-3-29	HENRY AND NANCY GARNER	55	394
10*21681	V	12-3-21	DOROTHY J HAAS, ET AL	214A	358
10*39720	W	12-3-14.1	FREDERICK J BAXTER, ET AL	273A	326
10*22229	X	12-3-13	MURIEL A MILLER, ET AL	204A	150
10*39720	Y	12-3-14	FREDERICK J BAXTER, ET AL	273A	326
10*39463	Z	12-3-4	J P COOPER ET AL	56	245
10*39463	AA	12-3-3.1	J P COOPER ET AL	56	245
10*39463	BB	12-3-2	J P COOPER ET AL	56	245
10*22496	CC	5-25-11.2	JAMES W KLUG	923	543
10*22496	DD	12-3-42	JAMES W KLUG	923	543



P.S. 708 *David L Jackson*

12/13/2024



OPERATOR'S	WELL #:	<u>ELMER N-18HU</u>	WELL PLAT
	DISTRICT:	<u>Proctor</u>	PAGE 4 OF 4
	COUNTY:	<u>Wetzel</u>	DATE: 11/02/2023
	STATE:	<u>WV</u>	
	API #:	<u>47-103-03467</u>	

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/20/2024
Job End Date:	05/09/2024
State:	West Virginia
County:	Wetzel
API Number:	47-103-03467-00-00
Operator Name:	EQT Production
Well Name and Number:	Elmer N-18HU
Latitude:	39.693904
Longitude:	-80.737538
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11806
Total Base Water Volume (gal)*:	22214724
Total Base Non Water Volume:	0



Water Source	Percent
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Environmental Protection

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	EQT	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	87.20828	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	12.55643	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Copolymer of 2-propenamamide	Proprietary	30.00000	0.01532	None
Clearal 268	ChemStream	Biocide					
			Non-hazardous substances	Proprietary	80.00000	0.00878	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Non-hazardous substances	Proprietary	90.00000	0.00743	None
StimSTREAM	ChemStream	Friction					

12/13/2024

FR 9800		Reducer					
			Petroleum Distillate	64742-47-8	20.00000	0.00681	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthetic Acid					
			Proprietary	Proprietary	20.00000	0.00169	None
Clearal 268	ChemStream	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00055	None
Enviro-Syn HCR-7000-WL	Fluid Energy Group Ltd.	Synthetic Acid					
			Proprietary	Proprietary	10.00000	0.00042	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid) (BHMT)	34690-00-1	10.00000	0.00009	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Oleic Acid Diethanolamide	93-83-4	2.00000	0.00007	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Alcohols, C12-16, ethoxylated	68551-12-2	2.00000	0.00007	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00000	0.00002	None
Clearal 268	ChemStream	Biocide					
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00001	None
Clearal 268	ChemStream	Biocide					
			Ethanol	64-17-5	1.50000	0.00000	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS

* 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%

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 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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Material Safety Data Sheets
OCT 02 2024

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