

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

RECEIVED
Office Of Oil and Gas

NOV 12 2024

WV Department of
Environmental Protection

API 47 - 051 - 02282 County Marshall District Meade
Quad Glen Easton 7.5' Pad Name KNOB CREEK Field/Pool Name N/A
Farm name David Lee Franklin Well Number Knob Creek S-7HM (L027472)
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 4,402,280.63 Easting 525,224.51
Landing Point of Curve Northing 4,402,296.7 Easting 524,988.4
Bottom Hole Northing 4,400,009.5 Easting 526,337.5

Elevation (ft) 737' 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 13.65 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 12/03/2019 Date drilling commenced 07/24/2020 Date drilling ceased 11/07/2023
Date completion activities began 05/25/2024 Date completion activities ceased 08/13/2024
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 380' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 885' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 292', 374' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:

See
02/07/2025
STRADER
12/23/2024

API 47-051 - 02282 Farm name David Lee Franklin Well number Knob Creek S-7HM (L027472)

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	118.65#	N/A	Y
Surface	17-1/2"	13-3/8"	467'	NEW	J-55 54.5#	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2275'	NEW	J-55 36#	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4", 8-1/2"	5-1/2"	15,544'	NEW	P-110 20#	N/A	N
Tubing							
Packer type and depth set							

Comment Details Production Cement job has a calculated TOC of 1133' 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	400	15.6	1.21	484	0	8+
Surface	CLASS A	700	15.6	1.18	825	0	8
Coal							
Intermediate 1	CLASS A	790	15.6	1.18	932	0	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2845	15.0	1.18	3357	1133'	8+
Tubing							

Drillers TD (ft) 15,564' Loggers TD (ft) N/A
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 1427'

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 48' _____

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 _____

02/07/2025

**KNOB CREEK S LEASE
WELL 7HM
EQT PRODUCTION CO.**

10,959' T.H.

5' H.
A.D.

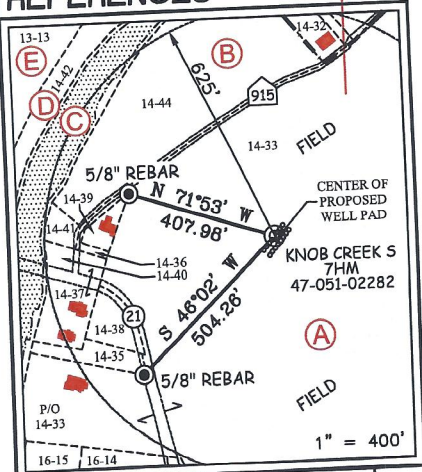
T.H. LATITUDE 39°47'30"
B.H. LATITUDE 39°45'00"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'83 S.P.C.(FT)	N. 464,876.65	E. 1,629,669.09	
NAD'83 GEO.	LAT-(N) 39.770083	LONG-(W) 80.705477	
NAD'83 UTM (M)	N. 4,402,280.63	E. 525,224.51	
LANDING POINT			
NAD'83 S.P.C.(FT)	N. 464,979.0	E. 1,628,870.6	
NAD'83 GEO.	LAT-(N) 39.770334	LONG-(W) 80.708322	
NAD'83 UTM (M)	N. 4,402,307.7	E. 524,980.7	
BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 457,358.0	E. 1,633,189.7	
NAD'83 GEO.	LAT-(N) 39.749572	LONG-(W) 80.692598	
NAD'83 UTM (M)	N. 4,400,008.0	E. 526,335.4	

T.H. LONGITUDE 80°40'00"
B.H. LONGITUDE 80°40'00"

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-13-12.1	ROBERT T. & BARBARA A. ANKROM	2.632
9-13-13.1	THOMAS JOHN FOX	3.027
9-13-14	MARGARET K. FOX - LIFE	3.00
9-14-1.2	KENNETH N. & TERESA A. SMERINECK	1.02
9-14-11.3	PATRICK J. SCHELLHASE, TRUST	23.424
9-14-28	CHARLES R. SCHELLHASE, ET UX	3.029
9-14-29	ANDREW FASOULETOS, ET UX	0.209
9-14-29.1	ANDREW FASOULETOS, ET UX	1.171
9-14-30	WILLIAM C. GROFT, ET UX	0.35
9-14-31	WILFORD F. NELSON, JR., ET UX	0.954
9-14-32	TWILA C. COFFIELD	0.583
9-14-32.1	TWILA C. COFFIELD	0.184
9-14-36	MARGARET FOX - LIFE	1600 SQ. FT.
9-14-36	MARGARET FOX - LIFE	0.631
9-14-38	MARGARET FOX - LIFE	8673 SQ. FT.
9-14-39	MARGARET FOX - LIFE	19,569 SQ. FT.
9-14-40	MARGARET FOX - LIFE	3163 SQ. FT.
9-14-41	MARGARET FOX - LIFE	0.66
9-14-43	JAMES G. FOX	4.423
9-14-44.1	GEORGE R. TAYLOR, ET UX	1.621
9-14-51	GEORGE R. TAYLOR, ET UX	0.439
9-14-52	JAMES E. PIELMAN	0.555
9-14-53	JAMES E. PIELMAN	1.549
9-14-54	RICHARD L. HARVETH, ET UX	0.533
9-16-13.4	JOHN FOX	1.98
9-16-15.1	ERIC J. YOUNG	1.98
9-16-16	CLINTON B. WHITELATCH, SR., ET UX ESTS	1.98

REFERENCES



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NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- SEE REFERENCES FOR DWELLINGS LOCATED WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS.
- PLAT UPDATED TO SHOW AS-DRIILLED PATH. AS-DRIILLED DATA PROVIDED BY EQT PRODUCTION CO.

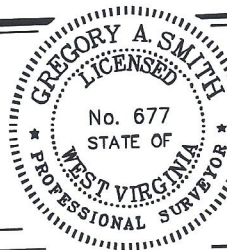


12 Vanhorn Drive | P.O. Box 1501 | Glenville, WV 26031 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 504.235.5296
sls.com

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S.
677

Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JULY 27, 20 18

REVISED NOVEMBER 16, 2023

OPERATORS WELL NO. KNOB CREEK S-7HM

API WELL NO. 47 - 051 - 02282
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789P7HM AD.dwg
KNOB CREEK S-7HM-REV3
SCALE 1" = 2000'
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGMS (SURVEY GRADE TIE TO CORS NETWORK)

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



WELL TYPE: OIL GAS INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION:
ELEVATION 737.50' WATERSHED FISH CREEK (HUC 10)
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE B.H. - WILEYVILLE 7.5'
T.H. - GLEN EASTON 7.5'
SURFACE OWNER DAVID LEE FRANKLIN ACREAGE 65.824±
ROYALTY OWNER DAVID LEE FRANKLIN, ET AL - SEE WW-6A1 ACREAGE 65.824±
PROPOSED WORK:
LEASE NO. SEE WW-6A1

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD: 6,348' / TMD: 15,590'

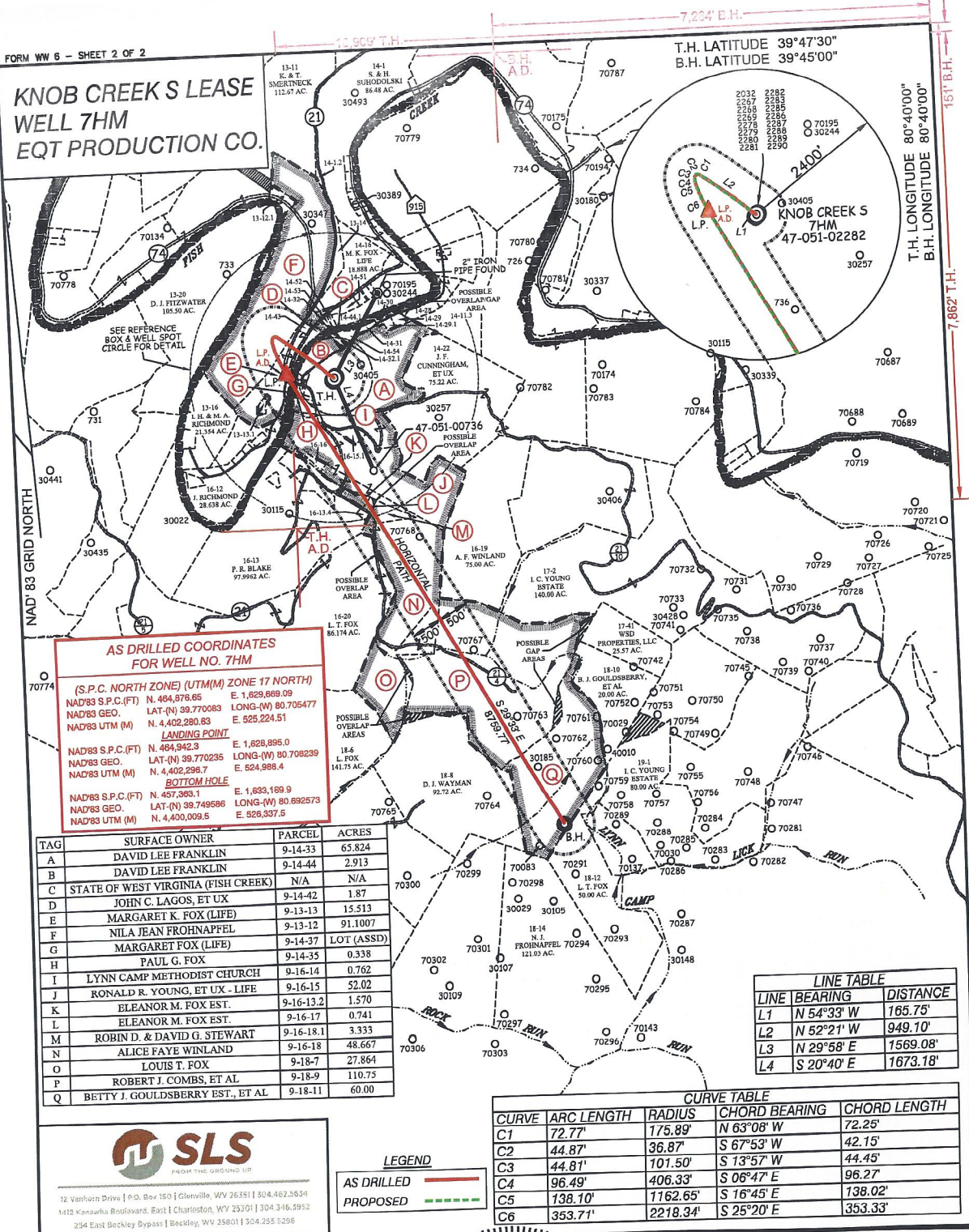
WELL OPERATOR EQT PRODUCTION COMPANY
ADDRESS 400 WOODCLIFF DRIVE
CANONSBURG, PA 15317

DESIGNATED AGENT JOSEPH C. MALLOW
ADDRESS 427 MIDSTATE DRIVE
CLARKSBURG, WV 26301

02/07/2025

COUNTY NAME PERMIT

**Knob Creek S Lease
Well 7HM
EQT Production Co.**



AS DRILLED COORDINATES FOR WELL NO. 7HM

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD83 S.P.C.(FT) N. 464,876.65 E. 1,629,669.09
 NAD83 GEO. LAT.(-N) 39.770083 LONG.(-W) 80.705477
 NAD83 UTM (M) N. 4,402,280.63 E. 525,224.51

LANDING POINT

NAD83 S.P.C.(FT) N. 464,942.3 E. 1,628,895.0
 NAD83 GEO. LAT.(-N) 39.770235 LONG.(-W) 80.708239
 NAD83 UTM (M) N. 4,402,296.7 E. 524,988.4

BOTTOM HOLE

NAD83 S.P.C.(FT) N. 457,358.1 E. 1,633,189.9
 NAD83 GEO. LAT.(-N) 39.749586 LONG.(-W) 80.692573
 NAD83 UTM (M) N. 4,400,009.5 E. 526,337.5

TAG	SURFACE OWNER	PARCEL	ACRES
A	DAVID LEE FRANKLIN	9-14-33	65.824
B	DAVID LEE FRANKLIN	9-14-44	2.913
C	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
D	JOHN C. LAGOS, ET UX	9-14-42	1.87
E	MARGARET K. FOX (LIFE)	9-13-13	15.513
F	NILA JEAN FROHNAPFEL	9-13-12	91.1007
G	MARGARET FOX (LIFE)	9-14-37	LOT (ASSD)
H	PAUL G. FOX	9-14-35	0.338
I	LYNN CAMP METHODIST CHURCH	9-16-14	0.762
J	RONALD R. YOUNG, ET UX - LIFE	9-16-15	52.02
K	ELEANOR M. FOX EST.	9-16-13.2	1.570
L	ELEANOR M. FOX EST.	9-16-17	0.741
M	ROBIN D. & DAVID G. STEWART	9-16-18.1	3.333
N	ALICE FAYE WINLAND	9-16-18	48.667
O	LOUIS T. FOX	9-18-7	27.864
P	ROBERT J. COMBS, ET AL	9-18-9	110.75
Q	BETTY J. GOULDSBERRY EST., ET AL	9-18-11	60.00

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 54°33' W	165.75'
L2	N 52°21' W	949.10'
L3	N 29°58' E	1569.08'
L4	S 20°40' E	1673.18'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	72.77'	176.89'	N 63°08' W	72.25'
C2	44.87'	36.87'	S 67°53' W	42.15'
C3	44.81'	101.50'	S 13°57' W	44.45'
C4	96.49'	406.33'	S 06°47' E	96.27'
C5	138.10'	1162.65'	S 16°45' E	138.02'
C6	353.71'	2218.34'	S 25°20' E	353.33'

SLS
FROM THE GROUND UP

12 Vanhorn Drive | P.O. Box 160 | Glenville, WV 26031 | 504.462.3554
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.316.5952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

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LEGEND

AS DRILLED

PROPOSED

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

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GREGORY A. SMITH
 LICENSED
 No. 677
 STATE OF
 WEST VIRGINIA
 PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 677 *Gregory A. Smith*

LEGEND

LEASE LINE

SURFACE LINE

WELL LATERAL

OFFSET LINE

TIE LINE

CREEK

ROAD

COUNTY ROUTE

PROPOSED WELL

EXISTING WELL

PERMITTED WELL

TAX MAP-PARCEL

SURFACE OWNER (SEE TABLE)

LEASE # (SEE WW-6A1)

SCALE 1" = 2000' FILE NO. 8789P7HM AD.dwg

KNOB CREEK S-7HM-REV3

DATE JULY 27, 2018

REVISED NOVEMBER 16, 2023

OPERATORS WELL NO. KNOB CREEK S-7HM

API WELL 47-051-02282

NO. STATE COUNTY PERMIT

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

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW

ADDRESS 400 WOODCLIFF DRIVE ADDRESS 427 MIDSTATE DRIVE

CANONSBURG, PA 15317 CLARKSBURG, WV 26301

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Perforation Data

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02/07/2025

Stage No.	Perforation Date	Stage Perforated From TMD Ft.	Stage Perforated To TMD Ft.	# of Perforations/Stage	Formation(s)
2	05/25/2024	15446	15296	48	Marcellus
3	05/26/2024	15268	15118	48	Marcellus
4	05/26/2024	15089	14939	48	Marcellus
5	05/27/2024	14910	14760	48	Marcellus
6	05/27/2024	14731	14581	48	Marcellus
7	05/29/2024	14552	14402	48	Marcellus
8	05/30/2024	14374	14224	48	Marcellus
9	05/31/2024	14195	14045	48	Marcellus
10	06/01/2024	14016	13866	48	Marcellus
11	06/02/2024	13837	13687	48	Marcellus
12	06/02/2024	13658	13508	48	Marcellus
13	06/02/2024	13480	13330	48	Marcellus
14	06/03/2024	13301	13151	48	Marcellus
15	06/03/2024	13122	12972	48	Marcellus
16	06/04/2024	12943	12793	48	Marcellus
17	06/04/2024	12764	12614	48	Marcellus
18	06/06/2024	12586	12436	48	Marcellus
19	06/07/2024	12407	12257	48	Marcellus
20	06/07/2024	12228	12078	48	Marcellus
21	06/14/2024	12049	11899	48	Marcellus
22	06/14/2024	11870	11720	48	Marcellus
23	06/15/2024	11692	11542	48	Marcellus
24	06/17/2024	11513	11363	48	Marcellus
25	06/18/2024	11334	11184	48	Marcellus
26	06/18/2024	11155	11005	48	Marcellus
27	06/18/2024	10976	10826	48	Marcellus
28	06/19/2024	10798	10648	48	Marcellus
29	06/19/2024	10619	10469	48	Marcellus
30	06/19/2024	10440	10290	48	Marcellus
31	06/19/2024	10261	10111	48	Marcellus
32	06/19/2024	10082	9932	48	Marcellus
33	06/20/2024	9904	9754	48	Marcellus
34	06/21/2024	9725	9575	48	Marcellus
35	06/21/2024	9546	9396	48	Marcellus
36	06/21/2024	9367	9217	48	Marcellus
37	06/21/2024	9188	9038	48	Marcellus
38	06/21/2024	9010	8860	48	Marcellus
39	06/22/2024	8831	8681	48	Marcellus
40	06/22/2024	8652	8502	48	Marcellus
41	06/22/2024	8473	8323	48	Marcellus
42	06/23/2024	8294	8144	48	Marcellus

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43	06/23/2024	8116	7966	48	Marcellus
44	06/23/2024	7937	7787	48	Marcellus
45	06/23/2024	7758	7608	48	Marcellus
46	06/24/2024	7579	7429	48	Marcellus
47	06/25/2024	7400	7250	48	Marcellus
48	06/25/2024	7222	7072	48	Marcellus
49	06/25/2024	7043	6893	48	Marcellus
50	06/25/2024	6864	6714	48	Marcellus

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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	05/25/2024	61	8463	8502	4107	258400	9000.67	
2	05/26/2024	91	8515	9263	4636	449934	9079.17	
3	05/27/2024	46	8390	9052	4802	451029	12057.29	
4	05/27/2024	99	8505	8917	5376	450676	9014.07	
5	05/27/2024	99	8227	7032	5030	450925	9031.00	
6	05/29/2024	99	8122	0	5144	449840	9003.67	
7	05/30/2024	99	7976	8815	5241	450620	9034.69	
8	05/31/2024	99	8570	0	5601	449900	8912.88	
9	06/01/2024	99	8392	8668	5296	450762	8877.14	
10	06/02/2024	100	8232	8932	5285	449600	8871.36	
11	06/02/2024	99	8200	0	5347	450940	9006.26	
12	06/02/2024	100	7805	0	5155	450160	8945.95	
13	06/03/2024	100	7823	8703	5486	450890	8870.64	
14	06/03/2024	99	8259	0	5090	450120	8939.45	
15	06/04/2024	99	8329	8914	5067	450280	8952.57	
16	06/04/2024	100	8211	0	5182	450160	8876.19	
17	06/06/2024	100	8009	9078	6367	450127	8896.98	
18	06/07/2024	100	8086	8253	5764	450161	8883.93	
19	06/07/2024	90	8594	0	5214	450490	8912.88	
20	06/14/2024	75	8092	8557	5397	449964	10361.90	
21	06/14/2024	100	8105	8946	5195	450987	8761.90	
22	06/15/2024	84	8694	9072	4926	450071	8891.00	
23	06/17/2024	71	8469	9300	4683	438124	12258.86	
24	06/17/2024	91	8165	8824	5954	236005	7457.12	
25	06/18/2024	100	7484	8130	4996	450220	8849.02	
26	06/18/2024	100	7600	8029	5211	451120	8838.02	
27	06/19/2024	92	7991	0	4890	451780	8801.52	
28	06/19/2024	100	7846	0	5317	450260	8832.52	
29	06/19/2024	100	7574	8334	5233	450460	8823.29	
30	06/19/2024	100	7556	8764	4710	450310	8943.52	
31	06/20/2024	100	7736	0	4811	450160	8797.19	
32	06/20/2024	100	7570	0	5465	450130	8794.55	
33	06/20/2024	100	7693	9117	4954	450480	8786.48	
34	06/21/2024	100	7493	0	5119	450040	8824.19	
35	06/21/2024	100	7294	8482	5048	452180	8782.48	
36	06/21/2024	100	7644	8609	4819	451480	8806.10	
37	06/22/2024	100	7659	0	5518	450480	8729.79	
38	06/22/2024	100	7460	0	4998	450240	8750.36	
39	06/22/2024	100	7309	8055	5124	451020	8745.12	
40	06/22/2024	83	7702	8866	6100	450240	8477.10	
41	06/23/2024	99	7290	0	4998	450240	8842.31	

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42	06/23/2024	100	7438	8782	5104	450460	8772.17
43	06/23/2024	91	8543	0	4582	452180	8758.29
44	06/24/2024	100	7264	0	5153	453160	8721.67
45	06/24/2024	100	7364	0	5102	450240	8698.98
46	06/25/2024	43	7602	0	4922	450150	8722.57
47	06/25/2024	64	8246	0	5035	151040	6347.62
48	06/25/2024	97	6764	7391	4924	451034	8628.83
49	06/25/2024	100	7180	0	4861	447000	8712.88
50	06/26/2024	89	6774	0	4552	405160	7968.62

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02/07/2025

Hydraulic Fracturing Fluid Product Component Information Disclosure



Job Start Date:	05/25/2024
Job End Date:	06/26/2024
State:	West Virginia
County:	Marshall
API Number:	47-051-02282-00-00
Operator Name:	EQT Production
Well Name and Number:	Knob Creek S-7HM
Latitude:	39.770085
Longitude:	-80.705479
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6400
Total Base Water Volume (gal)*:	18717415.92
Total Base Non Water Volume:	0

Water Source	Percent
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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	87.60776	None
Sand (Proppant)	EQT	Proppant					
			Silica Substrate	14808-60-7	100.00000	12.20556	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ALKANES, C12-26-BRANCHED AND LINEAR	90622-53-0	40.00000	0.01862	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER	69418-26-4	40.00000	0.01862	None
Clearal 268	ChemStream	Biocide					
			Water	7732-18-5	80.00000	0.00887	None

02/07/2025

StimSTREAM FR 9800	ChemStream	Friction Reducer					
			Water	7732-18-5	15.00000	0.00262	None
HCR-7000 WL	Fluid USA, Inc.	Synthetic Acid					
			FLUID-Acid-00001	Proprietary	20.00000	0.00189	None
Clearal 268	ChemStream	Biocide					
			Glutaraldehyde	111-30-8	20.00000	0.00055	None
HCR-7000 WL	Fluid USA, Inc.	Synthetic Acid					
			FLUID-Amine-00001	Proprietary	10.00000	0.00047	None
StimSTREAM FR 9800	ChemStream	Friction Reducer					
			ETHOXYLATED ALCOHOLS (C12-16)	68551-12-2	5.00000	0.00029	None
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			AA/ATBS Co-polymer	9003-05-8	5.00000	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
StimSTREAM SC-398	ChemStream	Scale Inhibitor					
			AA/Maleic Anhydride Co- polymer	9003-04-7	1.00000	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

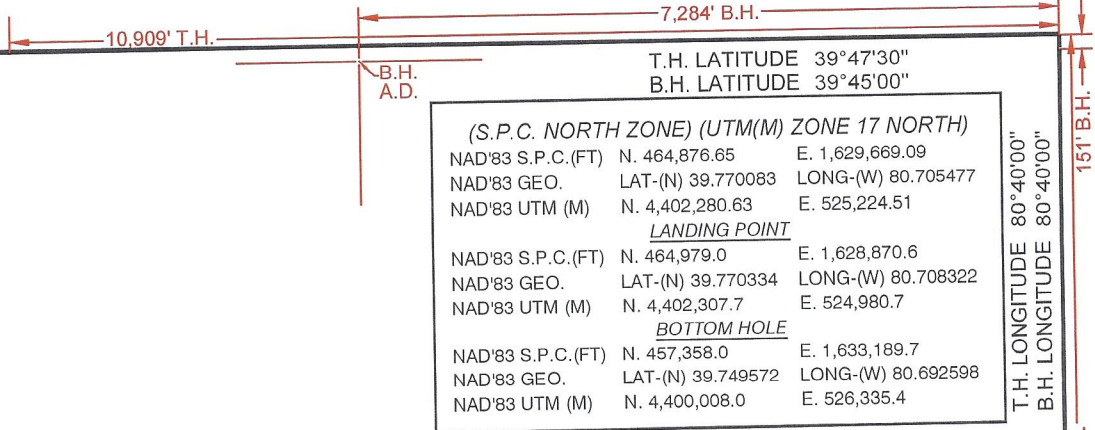
- * Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water
- ** Information is based on the maximum potential for concentration and thus the total may be over 100%

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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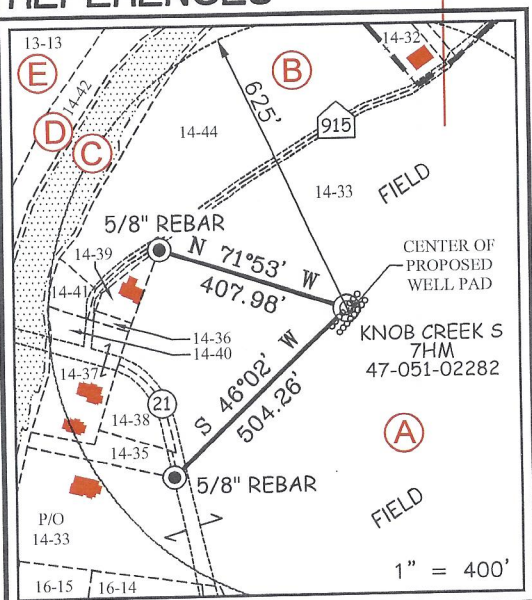
02/07/2025

**KNOB CREEK S LEASE
WELL 7HM
EQT PRODUCTION CO.**



MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-13-12.1	ROBERT T. & BARBARA A. ANKROM	2.632
9-13-13.1	THOMAS JOHN FOX	0.827
9-13-14	MARGARET K. FOX - LIFE	3.00
9-14-1.2	KENNETH N. & TERESA A. SMERTNECK	1.02
9-14-11.3	PATRICK J. SCHELLHASE - TRUST	23.424
9-14-28	CHARLES R. SCHELLHASE, ET UX	3.029
9-14-29	ANDREW FASOULETOS, ET UX	0.209
9-14-29.1	ANDREW FASOULETOS, ET UX	1.171
9-14-30	WILLIAM C. GROFF, ET UX	0.35
9-14-31	WILFORD F. NELSON, JR., ET UX	0.954
9-14-32	TWILA C. COFFIELD	0.583
9-14-32.1	TWILA C. COFFIELD	0.184
9-14-36	MARGARET FOX - LIFE	1600 SQ. FT.
9-14-38	MARGARET FOX - LIFE	0.631
9-14-39	MARGARET FOX - LIFE	8675 SQ. FT.
9-14-40	MARGARET FOX - LIFE	19,560 SQ. FT.
9-14-41	MARGARET FOX - LIFE	9165 SQ. FT.
9-14-43	JAMES G. FOX	0.66
9-14-44.1	GEORGE R. TAYLOR, ET UX	4.423
9-14-51	GEORGE R. TAYLOR, ET UX	1.621
9-14-52	JAMES E. PEELMAN	0.439
9-14-53	JAMES E. PEELMAN	0.555
9-14-54	RICHARD L. HARVETH, ET UX	1.649
9-16-13.4	JOHN FOX	0.533
9-16-15.1	ERIC J. YOUNG	1.98
9-16-16	CLINTON B. WHITEATCH, SR., ET UX ESTS	1.98

REFERENCES

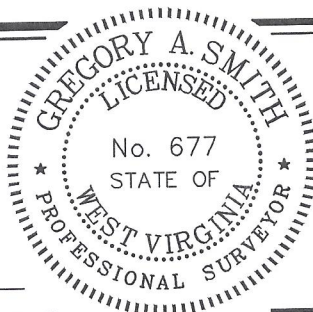


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- SEE REFERENCES FOR DWELLINGS LOCATED WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS. PLAT UPDATED TO SHOW AS-DRILLED PATH. AS-DRILLED DATA PROVIDED BY EQT PRODUCTION CO.

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 DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. Gregory A. Smith
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JULY 27, 20 18
REVISED NOVEMBER 16, 2023
OPERATORS WELL NO. KNOB CREEK S-7HM
API WELL NO. 47 - 051 - 02282
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789P7HM AD.dwg
KNOB CREEK S-7HM-REV3
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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

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

LOCATION: ELEVATION 737.50' WATERSHED FISH CREEK (HUC 10)
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE B.H. - WILEYVILLE 7.5'
T.H. - GLEN EASTON 7.5'

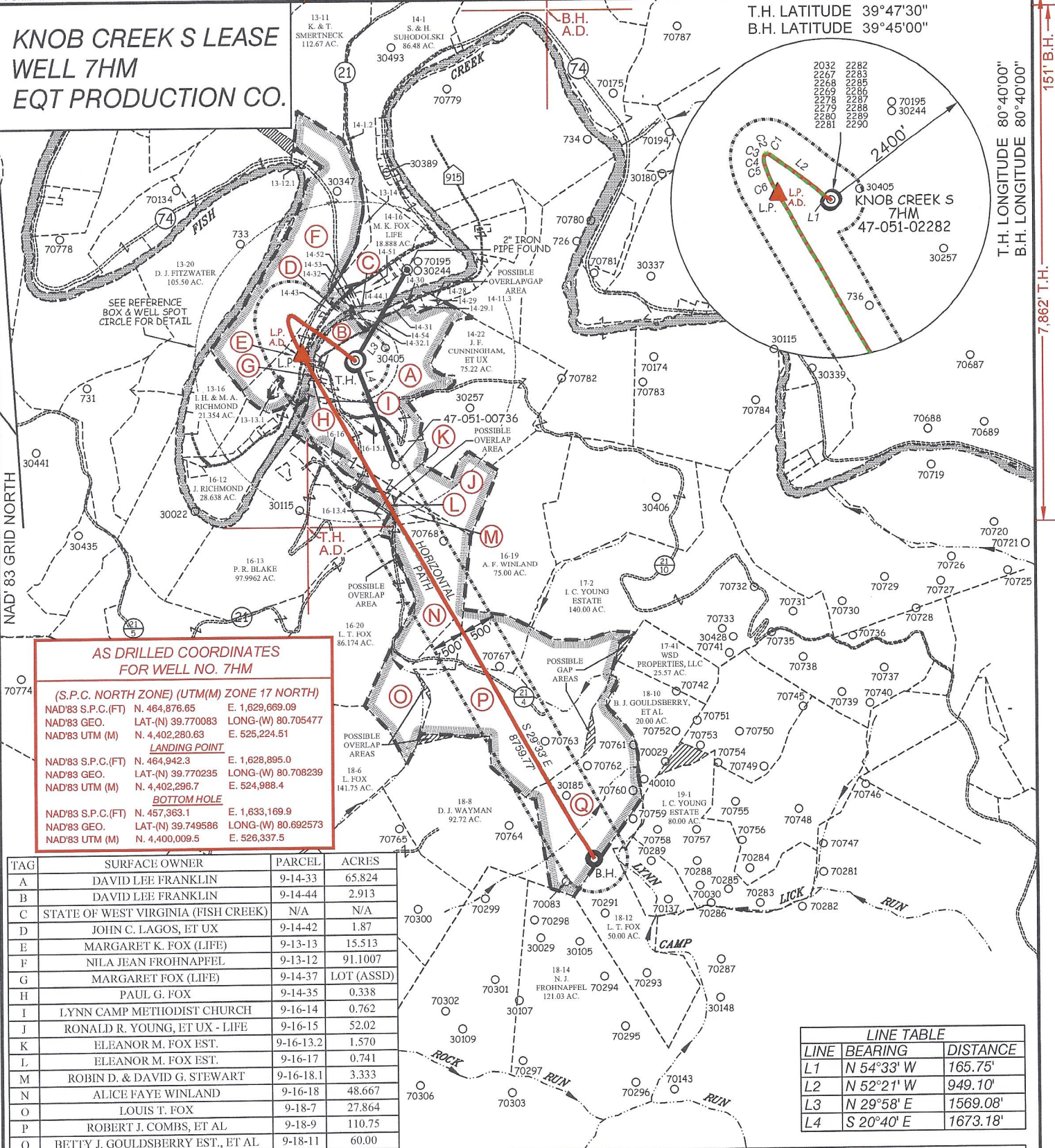
SURFACE OWNER DAVID LEE FRANKLIN ACREAGE 65.824±
ROYALTY OWNER DAVID LEE FRANKLIN, ET AL - SEE WW-6A1 ACREAGE 02107#2025
LEASE NO. SEE WW-6A1

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD: 6,348' / TMD: 15,590'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW
ADDRESS 400 WOODCLIFF DRIVE ADDRESS 427 MIDSTATE DRIVE
CANONSBURG, PA 15317 CLARKSBURG, WV 26301

COUNTY NAME
PERMIT



AS DRILLED COORDINATES FOR WELL NO. 7HM

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 464,876.65 E. 1,629,669.09
 NAD'83 GEO. LAT-(N) 39.770083 LONG-(W) 80.705477
 NAD'83 UTM (M) N. 4,402,280.63 E. 525,224.51

LANDING POINT

NAD'83 S.P.C.(FT) N. 464,942.3 E. 1,628,895.0
 NAD'83 GEO. LAT-(N) 39.770235 LONG-(W) 80.708239
 NAD'83 UTM (M) N. 4,402,296.7 E. 524,988.4

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 457,363.1 E. 1,633,169.9
 NAD'83 GEO. LAT-(N) 39.749586 LONG-(W) 80.692573
 NAD'83 UTM (M) N. 4,400,009.5 E. 526,337.5

TAG	SURFACE OWNER	PARCEL	ACRES
A	DAVID LEE FRANKLIN	9-14-33	65.824
B	DAVID LEE FRANKLIN	9-14-44	2.913
C	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
D	JOHN C. LAGOS, ET UX	9-14-42	1.87
E	MARGARET K. FOX (LIFE)	9-13-13	15.513
F	NILA JEAN FROHNAPFEL	9-13-12	91.1007
G	MARGARET FOX (LIFE)	9-14-37	LOT (ASSD)
H	PAUL G. FOX	9-14-35	0.338
I	LYNN CAMP METHODIST CHURCH	9-16-14	0.762
J	RONALD R. YOUNG, ET UX - LIFE	9-16-15	52.02
K	ELEANOR M. FOX EST.	9-16-13.2	1.570
L	ELEANOR M. FOX EST.	9-16-17	0.741
M	ROBIN D. & DAVID G. STEWART	9-16-18.1	3.333
N	ALICE FAYE WINLAND	9-16-18	48.667
O	LOUIS T. FOX	9-18-7	27.864
P	ROBERT J. COMBS, ET AL	9-18-9	110.75
Q	BETTY J. GOULDSBERRY EST., ET AL	9-18-11	60.00

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 54°33' W	165.75'
L2	N 52°21' W	949.10'
L3	N 29°58' E	1569.08'
L4	S 20°40' E	1673.18'

CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	72.77'	175.89'	N 63°08' W	72.25'
C2	44.87'	36.87'	S 67°53' W	42.15'
C3	44.81'	101.50'	S 13°57' W	44.45'
C4	96.49'	406.33'	S 06°47' E	96.27'
C5	138.10'	1162.65'	S 16°45' E	138.02'
C6	353.71'	2218.34'	S 25°20' E	353.33'



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 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
 slsww.com

LEGEND

AS DRILLED ——— (Red line)

PROPOSED - - - - - (Green dashed line)



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 677 *Gregory A. Smith*

LEGEND

LEASE LINE ———

SURFACE LINE - - - - -

WELL LATERAL ———

OFFSET LINE - - - - -

TIE LINE ———

CREEK ———

ROAD ———

COUNTY ROUTE ———

PROPOSED WELL ⊙

EXISTING WELL ⊙

PERMITTED WELL ⊙

TAX MAP—PARCEL 00-00

SURFACE OWNER (SEE TABLE) (A)

LEASE # (SEE WW-6A1)

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 464,876.65 E. 1,629,669.09
 NAD'83 GEO. LAT-(N) 39.770083 LONG-(W) 80.705477
 NAD'83 UTM (M) N. 4,402,280.63 E. 525,224.51

LANDING POINT

NAD'83 S.P.C.(FT) N. 464,979.0 E. 1,628,870.6
 NAD'83 GEO. LAT-(N) 39.770334 LONG-(W) 80.708322
 NAD'83 UTM (M) N. 4,402,307.7 E. 524,980.7

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 457,358.0 E. 1,633,189.7
 NAD'83 GEO. LAT-(N) 39.749572 LONG-(W) 80.692598
 NAD'83 UTM (M) N. 4,400,008.0 E. 526,335.4

SCALE 1" = 2000' FILE NO. 8789P7HM AD.dwg
 KNOB CREEK S-7HM-REV3

DATE JULY 27, 2018
 REVISED NOVEMBER 16, 2023

OPERATORS WELL NO. KNOB CREEK S-7HM
 API WELL 47 — 051 — 02282
 NO. STATE COUNTY PERMIT

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

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JOSEPH C. MALLOW
 ADDRESS 400 WOODCLIFF DRIVE ADDRESS 427 MIDSTATE DRIVE
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