

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 - 02281 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-6HM (L018008)  
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 4,402,277.77 Easting 525,222.23 RECEIVED  
Landing Point of Curve Northing 4,402,199.1 Easting 524,779.6 Office Of Oil and Gas  
Bottom Hole Northing 4,399,908.4 Easting 526,129.9 NOV 12 2024

Elevation (ft) 737' GL Type of Well  New  Existing Type of Report  Intermediate  Primary  
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 13.71 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 08/04/2020 Date drilling ceased 11/13/2023  
Date completion activities began 05/04/2024 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:

SR  
02/07/2025  
STRADER GOWER  
12/23/2024

API 47-051 - 02281 Farm name David Lee Franklin Well number Knob Creek S-6HM (L018008)

| CASING STRINGS            | Hole Size      | Casing Size | Depth (GL) | New or Used | Grade wt/ft | Basket Depth(s) (GL) | Did cement circulate (Y/N)<br>* Provide details below* |
|---------------------------|----------------|-------------|------------|-------------|-------------|----------------------|--|
| Conductor                 | 38"            | 30"         | 120'       | NEW         | 118.65#     | N/A                  | Y  |
| Surface                   | 17-1/2"        | 13-3/8"     | 495'       | NEW         | J-55 54.5#  | N/A                  | Y  |
| Coal                      |                |             |            |             |             |                      |  |
| Intermediate 1            | 12-1/4"        | 9-5/8"      | 2296'      | NEW         | J-55 36#    | N/A                  | Y  |
| Intermediate 2            |                |             |            |             |             |                      |  |
| Intermediate 3            |                |             |            |             |             |                      |  |
| Production                | 8-3/4", 8-1/2" | 5-1/2"      | 15,746'    | NEW         | P-110 20#   | N/A                  | N  |
| Tubing                    |                |             |            |             |             |                      |  |
| Packer type and depth set |                |             |            |             |             |                      |  |

Comment Details Production Cement job has a calculated TOC of 961' 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 <sup>3</sup> /sks) | Volume (ft <sup>3</sup> ) | Cement Top (GL) | WOC (hrs) |
|----------------|----------------------|-----------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor      | CLASS A              | 400             | 15.6            | 1.21                         | 484                       | 0               | 8+        |
| Surface        | CLASS A              | 702             | 15.6            | 1.18                         | 828                       | 0               | 8         |
| Coal           |                      |                 |                 |                              |                           |                 |           |
| Intermediate 1 | CLASS A              | 790             | 15.6            | 1.18                         | 932                       | 0               | 8         |
| Intermediate 2 |                      |                 |                 |                              |                           |                 |           |
| Intermediate 3 |                      |                 |                 |                              |                           |                 |           |
| Production     | CLASS A              | 2880            | 15.0            | 1.18                         | 3398                      | 961'            | 8+        |
| Tubing         |                      |                 |                 |                              |                           |                 |           |

Drillers TD (ft) 15,762' 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) 1368'

WV Department of Environmental Protection

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





WR-35  
Rev. 8/23/13

API 47- 051 - 02281 Farm name David Lee Franklin Well number Knob Creek S-6HM (L018008)

Drilling Contractor Falcon (Rig 24)  
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 \_\_\_\_\_

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## Well # KNOB CREEK S-6HM (L018008) Final Formations API# 47-051-02281

| Formation Name  | Drill Top MD (ftGRD) | Drill Top (TVD) (ftGRD) | Drill Btm MD (ftGRD) | Drill Btm (TVD) (ftGRD) |
|-----------------|----------------------|-------------------------|----------------------|-------------------------|
| Sand/Shale      | 1                    | 1                       | 292                  | 292                     |
| Sewickley Coal  | 292                  | 292                     | 294                  | 294                     |
| Sand/Shale      | 294                  | 294                     | 374                  | 374                     |
| Pittsburgh Coal | 374                  | 374                     | 380                  | 380                     |
| Sand/Shale      | 380                  | 380                     | 1,509                | 1,509                   |
| Big Lime        | 1,509                | 1,509                   | 1,711                | 1,710                   |
| Big Injun       | 1,711                | 1,710                   | 1,740                | 1,739                   |
| Sand/Shale      | 1,740                | 1,739                   | 2,095                | 2,093                   |
| Berea           | 2,095                | 2,093                   | 2,357                | 2,354                   |
| Sand/Shale      | 2,357                | 2,354                   | 2,359                | 2,356                   |
| Gordon          | 2,359                | 2,356                   | 2,437                | 2,434                   |
| 50F             | 2,437                | 2,434                   | 2,508                | 2,504                   |
| Sand/Shale      | 2,508                | 2,504                   | 3,008                | 3,002                   |
| Speechley       | 3,008                | 3,002                   | 4,852                | 4,681                   |
| Alexander       | 4,852                | 4,681                   | 5,302                | 5,031                   |
| Elks            | 5,302                | 5,031                   | 6,328                | 5,867                   |
| Sonyea          | 6,328                | 5,867                   | 6,432                | 5,949                   |
| Middlesex       | 6,432                | 5,949                   | 6,469                | 5,976                   |
| Genesee         | 6,469                | 5,976                   | 6,533                | 6,019                   |
| Geneseo         | 6,533                | 6,019                   | 6,585                | 6,051                   |
| Tully           | 6,585                | 6,051                   | 6,638                | 6,081                   |
| Hamilton        | 6,638                | 6,081                   | 6,843                | 6,163                   |
| Marcellus       | 6,843                | 6,163                   | 15,762               | 6,361                   |

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**Knob Creek S Lease  
Well 6HM  
Tug Hill Operating**

**AS DRILLED COORDINATES  
FOR WELL NO. S-6HM**

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

|                   |                   |                    |
|-------------------|-------------------|--------------------|
| NAD'83 S.P.C.(FT) | N. 464,867.39     | E. 1,629,861.44    |
| NAD'83 GEO.       | LAT-(N) 39.770057 | LONG-(W) 80.705504 |
| NAD'83 UTM (M)    | N. 4,402,277.77   | E. 525,222.23      |

**LANDING POINT**

|                   |                   |                    |
|-------------------|-------------------|--------------------|
| NAD'83 S.P.C.(FT) | N. 464,830.4      | E. 1,628,204.5     |
| NAD'83 GEO.       | LAT-(N) 39.769351 | LONG-(W) 80.710678 |
| NAD'83 UTM (M)    | N. 4,402,198.1    | E. 524,779.8       |

**BOTTOM HOLE**

|                   |                   |                    |
|-------------------|-------------------|--------------------|
| NAD'83 S.P.C.(FT) | N. 457,039.1      | E. 1,632,508.7     |
| NAD'83 GEO.       | LAT-(N) 39.748672 | LONG-(W) 80.695005 |
| NAD'83 UTM (M)    | N. 4,399,908.4    | E. 526,129.9       |

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. 464,867.39     | E. 1,629,861.44    |
| NAD'83 GEO.       | LAT-(N) 39.770057 | LONG-(W) 80.705504 |
| NAD'83 UTM (M)    | N. 4,402,277.77   | E. 525,222.23      |

**LANDING POINT**

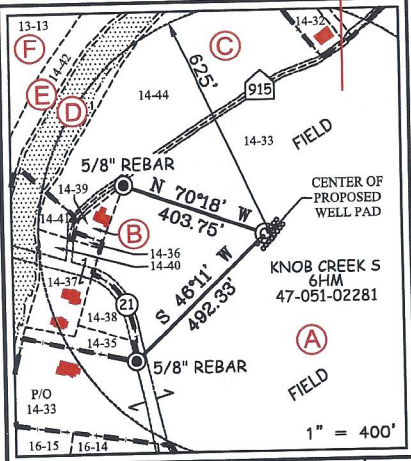
|                   |                   |                    |
|-------------------|-------------------|--------------------|
| NAD'83 S.P.C.(FT) | N. 464,830.1      | E. 1,628,206.2     |
| NAD'83 GEO.       | LAT-(N) 39.769352 | LONG-(W) 80.710669 |
| NAD'83 UTM (M)    | N. 4,402,198.1    | E. 524,780.1       |

**BOTTOM HOLE**

|                   |                   |                    |
|-------------------|-------------------|--------------------|
| NAD'83 S.P.C.(FT) | N. 457,039.1      | E. 1,632,508.7     |
| NAD'83 GEO.       | LAT-(N) 39.748672 | LONG-(W) 80.695005 |
| NAD'83 UTM (M)    | N. 4,399,907.3    | E. 526,129.5       |

| MAP/PARCEL | ADJOINING SURFACE OWNER LIST          | ACRES              |
|------------|---------------------------------------|--------------------|
| 9-13-12.1  | ROBERT T. & BARBARA A. ANKROM         | 2.632              |
| 9-13-14    | MARGARET K. FOX - LIFE                | 3.00               |
| 9-14-12    | 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. 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              |
| 9-14-35    | PAUL G. FOX                           | 0.338              |
| 9-14-36    | MARGARET FOX - LIFE                   | 1600 SQ. FT.       |
| 9-14-37    | MARGARET FOX - LIFE                   | 0.631              |
| 9-14-38    | MARGARET FOX - LIFE                   | 0.631              |
| 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              |
| 9-16-12.1  | JAMES G. RICHMOND, ET UX              | 0.691              |
| 9-16-12.2  | SPENCER J. & CARRIE A. RICHMOND       | 0.575              |
| 9-16-12.3  | JAMES G. RICHMOND, ET UX              | 0.937              |
| 9-16-12.4  | SHEILA TRUAX, ET VIR.                 | 0.516              |
| 9-16-12.5  | TIMOTHY S. & GRETCHEN M. KIDD         | 1.23               |
| 9-16-12.6  | SPENCER J. & CARRIE A. RICHMOND       | 0.141              |
| 9-16-12.7  | SPENCER J. & CARRIE A. RICHMOND       | 0.55               |
| 9-16-12.8  | IVAN H. & MARGARET A. RICHMOND        | 0.85               |
| 9-16-13.2  | ELEANOR M. FOX ESTATE                 | 1.370              |
| 9-16-13.3  | PAUL R. BLAKE                         | 0.7538             |
| 9-16-13.4  | JOHN FOX                              | 0.333              |
| 9-16-14    | LYNN CAMP METHODIST CHURCH            | 0.362              |
| 9-16-15    | RONALD R. YOUNG, ET UX - LIFE         | 52.02              |
| 9-16-15.1  | ERIC J. YOUNG                         | 1.98               |
| 9-16-16    | CLINTON B. WHITEATCH, SR., ET UX ESTS | 1 AC. 5.6/10 POLES |
| 9-16-17    | ELEANOR M. FOX ESTATE                 | 0.741              |
| 9-16-18.1  | ROBIN D. & DAVID G. STEWART           | 3.333              |

**REFERENCES**



12 Vanhook Drive | P.O. Box 150 | Glenview, WV 26031 | 304-492-9554  
 1432 Kanawha Boulevard, East | Charleston, WV 25301 | 304-346-3952  
 254 East Beckley Bypass | Beckley, WV 25801 | 304-255-5296  
 slsv.com

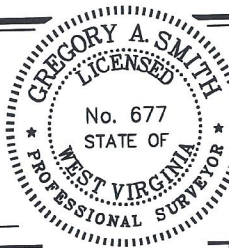
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**NOTES ON SURVEY**

- 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-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. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JULY 27, 20 18  
 REVISED DECEMBER 6, 2023  
 OPERATORS WELL NO. Knob Creek S-6HM  
 API WELL NO. 47-051-02281  
 STATE STATE COUNTY COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789 KC S-6HM AD P.dwg  
Knob Creek S-6HM-REV4  
 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 65.824±  
 LEASE NO. SEE WW-6A1

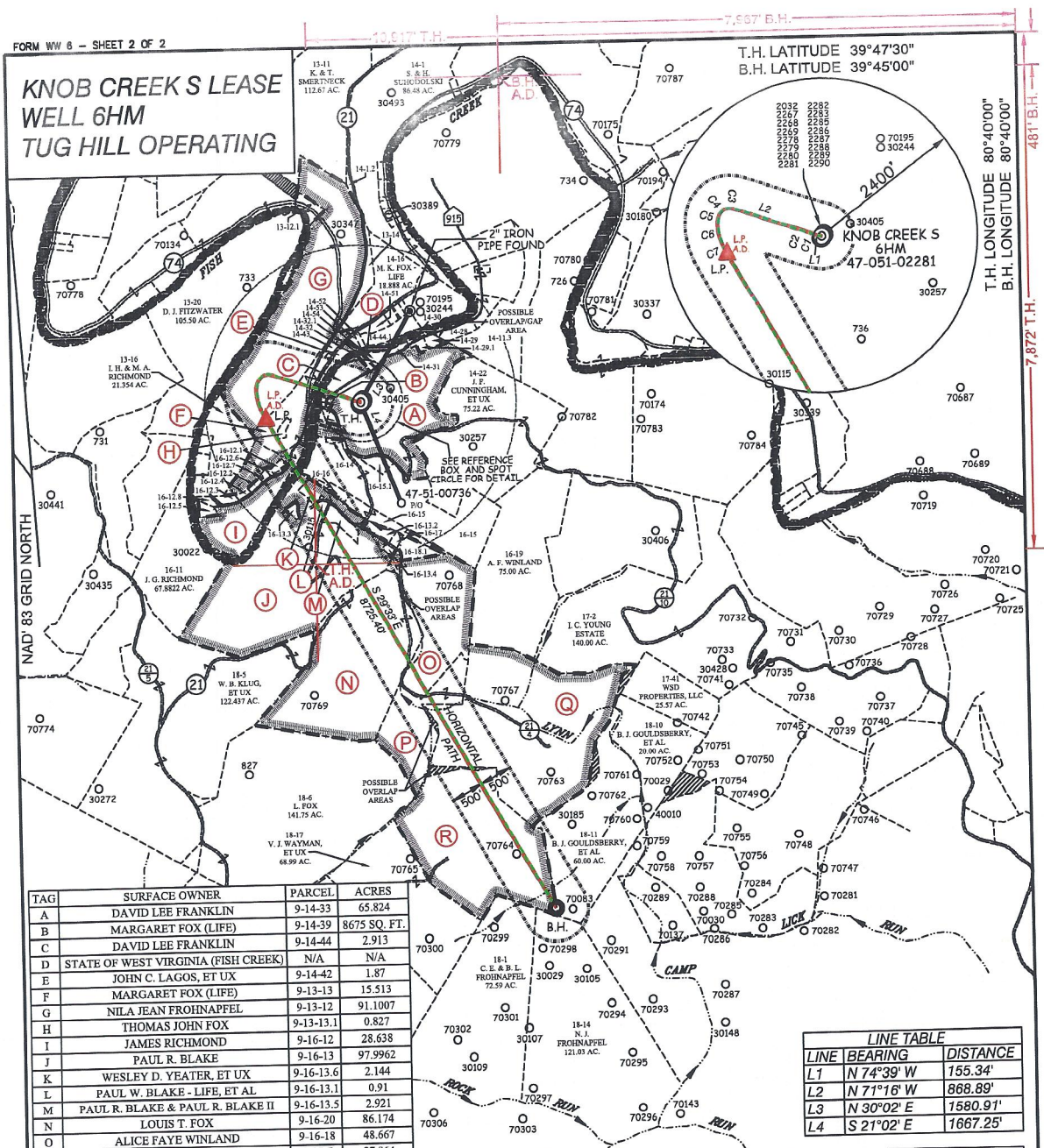
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
 ESTIMATED DEPTH TVD: 6,343' / TMD: 15,777'

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

02/07/2025

COUNTY NAME  
PERMIT

# KNOB CREEK S LEASE WELL 6HM TUG HILL OPERATING



| TAG | SURFACE OWNER                       | PARCEL    | ACRES        |
|-----|-------------------------------------|-----------|--------------|
| A   | DAVID LEE FRANKLIN                  | 9-14-33   | 65.824       |
| B   | MARGARET FOX (LIFE)                 | 9-14-39   | 8675 SQ. FT. |
| C   | DAVID LEE FRANKLIN                  | 9-14-44   | 2.913        |
| D   | STATE OF WEST VIRGINIA (FISH CREEK) | N/A       | N/A          |
| E   | JOHN C. LAGOS, ET UX                | 9-14-42   | 1.87         |
| F   | MARGARET FOX (LIFE)                 | 9-13-13   | 15.513       |
| G   | NILA JEAN FROHNAPFEL                | 9-13-12   | 91.1007      |
| H   | THOMAS JOHN FOX                     | 9-13-13.1 | 0.827        |
| I   | JAMES RICHMOND                      | 9-16-12   | 28.638       |
| J   | PAUL R. BLAKE                       | 9-16-13   | 97.9962      |
| K   | WESLEY D. YEATER, ET UX             | 9-16-13.6 | 2.144        |
| L   | PAUL W. BLAKE - LIFE, ET AL         | 9-16-13.1 | 0.91         |
| M   | PAUL R. BLAKE & PAUL R. BLAKE II    | 9-16-13.5 | 2.921        |
| N   | LOUIS T. FOX                        | 9-16-20   | 86.174       |
| O   | ALICE FAYE WINLAND                  | 9-16-18   | 48.667       |
| P   | LOUIS T. FOX                        | 9-18-7    | 27.864       |
| Q   | ROBERT J. COMBS, ET AL              | 9-18-9    | 110.75       |
| R   | DOUGLAS J. WAYMAN                   | 9-18-8    | 92.72        |

| LINE | BEARING    | DISTANCE |
|------|------------|----------|
| L1   | N 74°39' W | 155.34'  |
| L2   | N 71°16' W | 868.89'  |
| L3   | N 30°02' E | 1580.91' |
| L4   | S 21°02' E | 1667.25' |

| CURVE | ARC LENGTH | RADIUS    | CHORD BEARING | CHORD LENGTH |
|-------|------------|-----------|---------------|--------------|
| C1    | 105.64'    | 3582.04'  | N 72°21' W    | 105.64'      |
| C2    | 273.68'    | 36985.28' | N 71°27' W    | 273.68'      |
| C3    | 145.36'    | 217.34'   | N 87°54' W    | 142.67'      |
| C4    | 115.54'    | 161.08'   | S 47°24' W    | 113.08'      |
| C5    | 148.13'    | 346.57'   | S 12°47' W    | 147.00'      |
| C6    | 241.35'    | 726.21'   | S 08°50' E    | 240.24'      |
| C7    | 245.81'    | 1235.52'  | S 23°49' E    | 245.40'      |

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.482.8634  
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.9952  
 254 East Beckley Bypass | Beckley, WV 25801 | 304.235.5266  
 slswv.com

**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 (A)

EXISTING WELL (B)

PERMITTED WELL (C)

TAX MAP—PARCEL (D)

SURFACE OWNER (SEE TABLE) (E)

LEASE # (SEE WW-6A1) (F)

SCALE 1" = 2000'

FILE NO. 8789 KC S-6HM AD P.dwg  
 KNOB CREEK S-6HM-REV4

DATE JULY 27, 2018

REVISED DECEMBER 6, 2023

OPERATORS WELL NO. KNOB CREEK S-6HM

API WELL NO. 47-051-02281

NO. STATE COUNTY PERMIT

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

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

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

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 Office of Oil and Gas  
 NOV 12 2024  
 WV Department of  
 Environmental Protection

02/07/2025



# Perforation Data

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WV Department of  
Environmental Protection

02/07/2025

| Stage No. | Perforation Date | Stage Perforated From TMD Ft. | Stage Perforated To TMD Ft. | # of Perforations/Stage | Formation(s) |
|-----------|------------------|-------------------------------|-----------------------------|-------------------------|--------------|
| 2         | 05/05/2024       | 15650                         | 15500                       | 48                      | Marcellus    |
| 3         | 05/05/2024       | 15471                         | 15321                       | 48                      | Marcellus    |
| 4         | 05/06/2024       | 15292                         | 15142                       | 48                      | Marcellus    |
| 5         | 05/07/2024       | 15114                         | 14964                       | 48                      | Marcellus    |
| 6         | 05/13/2024       | 14935                         | 14785                       | 48                      | Marcellus    |
| 7         | 05/13/2024       | 14756                         | 14606                       | 48                      | Marcellus    |
| 8         | 05/14/2024       | 14577                         | 14427                       | 48                      | Marcellus    |
| 9         | 05/14/2024       | 14398                         | 14248                       | 48                      | Marcellus    |
| 10        | 05/15/2024       | 14220                         | 14070                       | 48                      | Marcellus    |
| 11        | 05/16/2024       | 14041                         | 13891                       | 48                      | Marcellus    |
| 12        | 05/17/2024       | 13862                         | 13712                       | 48                      | Marcellus    |
| 13        | 05/18/2024       | 13683                         | 13533                       | 48                      | Marcellus    |
| 14        | 05/18/2024       | 13504                         | 13354                       | 48                      | Marcellus    |
| 15        | 05/19/2024       | 13326                         | 13176                       | 48                      | Marcellus    |
| 16        | 05/20/2024       | 13147                         | 12997                       | 48                      | Marcellus    |
| 17        | 05/22/2024       | 12968                         | 12818                       | 48                      | Marcellus    |
| 18        | 05/22/2024       | 12789                         | 12639                       | 48                      | Marcellus    |
| 19        | 05/22/2024       | 12610                         | 12460                       | 48                      | Marcellus    |
| 20        | 05/23/2024       | 12432                         | 12282                       | 48                      | Marcellus    |
| 21        | 05/23/2024       | 12253                         | 12103                       | 48                      | Marcellus    |
| 22        | 05/24/2024       | 12074                         | 11924                       | 48                      | Marcellus    |
| 23        | 05/24/2024       | 11895                         | 11745                       | 48                      | Marcellus    |
| 24        | 05/25/2024       | 11716                         | 11566                       | 48                      | Marcellus    |
| 25        | 05/26/2024       | 11538                         | 11388                       | 48                      | Marcellus    |
| 26        | 05/27/2024       | 11359                         | 11209                       | 48                      | Marcellus    |
| 27        | 05/29/2024       | 11180                         | 11030                       | 48                      | Marcellus    |
| 28        | 05/30/2024       | 11001                         | 10851                       | 48                      | Marcellus    |
| 29        | 05/31/2024       | 10822                         | 10672                       | 48                      | Marcellus    |
| 30        | 06/01/2024       | 10644                         | 10494                       | 48                      | Marcellus    |
| 31        | 06/02/2024       | 10465                         | 10315                       | 48                      | Marcellus    |
| 32        | 06/02/2024       | 10286                         | 10136                       | 48                      | Marcellus    |
| 33        | 06/02/2024       | 10107                         | 9957                        | 48                      | Marcellus    |
| 34        | 06/03/2024       | 9928                          | 9778                        | 48                      | Marcellus    |
| 35        | 06/03/2024       | 9750                          | 9600                        | 48                      | Marcellus    |
| 36        | 06/03/2024       | 9571                          | 9421                        | 48                      | Marcellus    |
| 37        | 06/04/2024       | 9392                          | 9242                        | 48                      | Marcellus    |
| 38        | 06/04/2024       | 9213                          | 9063                        | 48                      | Marcellus    |
| 39        | 06/04/2024       | 9034                          | 8884                        | 48                      | Marcellus    |
| 40        | 06/04/2024       | 8856                          | 8706                        | 48                      | Marcellus    |
| 41        | 06/05/2024       | 8677                          | 8527                        | 48                      | Marcellus    |
| 42        | 06/05/2024       | 8498                          | 8348                        | 48                      | Marcellus    |

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|    |            |      |      |    |           |
|----|------------|------|------|----|-----------|
| 43 | 06/05/2024 | 8319 | 8169 | 48 | Marcellus |
| 44 | 06/06/2024 | 8140 | 7990 | 48 | Marcellus |
| 45 | 06/06/2024 | 7962 | 7812 | 48 | Marcellus |
| 46 | 06/07/2024 | 7783 | 7633 | 48 | Marcellus |
| 47 | 06/08/2024 | 7604 | 7454 | 48 | Marcellus |
| 48 | 06/08/2024 | 7425 | 7275 | 48 | Marcellus |
| 49 | 06/09/2024 | 7246 | 7096 | 48 | Marcellus |
| 50 | 06/09/2024 | 7068 | 6918 | 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       | 05/05/2024       | 77                  | 7756                         | 7904                         | 4022       | 248004                   | 7707.95                |                                  |
| 2       | 05/06/2024       | 100                 | 8309                         | 7782                         | 5026       | 450082                   | 9457.81                |                                  |
| 3       | 05/06/2024       | 98                  | 8268                         | 7039                         | 4334       | 451741                   | 9530.86                |                                  |
| 4       | 05/07/2024       | 100                 | 8257                         | 8934                         | 5137       | 451280                   | 9102.86                |                                  |
| 5       | 05/09/2024       | 16                  | 8391                         | 8947                         | 8505       | 436047                   | 8766.76                |                                  |
| 6       | 05/13/2024       | 99                  | 7950                         | 8817                         | 5264       | 451239                   | 8996.38                |                                  |
| 7       | 05/14/2024       | 100                 | 8173                         | 8302                         | 5054       | 451885                   | 8976.40                |                                  |
| 8       | 05/14/2024       | 100                 | 8156                         | 0                            | 4400       | 449800                   | 8921.48                |                                  |
| 9       | 05/15/2024       | 100                 | 8135                         | 8736                         | 4444       | 450070                   | 8953.07                |                                  |
| 10      | 05/16/2024       | 100                 | 8028                         | 0                            | 5120       | 450380                   | 8921.10                |                                  |
| 11      | 05/17/2024       | 100                 | 7919                         | 8627                         | 5030       | 450078                   | 8914.19                |                                  |
| 12      | 05/18/2024       | 100                 | 7831                         | 0                            | 4911       | 450000                   | 8908.90                |                                  |
| 13      | 05/18/2024       | 100                 | 7842                         | 8598                         | 4830       | 450030                   | 8922.00                |                                  |
| 14      | 05/19/2024       | 100                 | 8077                         | 8691                         | 5121       | 450083                   | 8937.81                |                                  |
| 15      | 05/20/2024       | 100                 | 7945                         | 0                            | 4878       | 449800                   | 8904.00                |                                  |
| 16      | 05/21/2024       | 100                 | 7859                         | 8742                         | 5100       | 451546                   | 8845.50                |                                  |
| 17      | 05/22/2024       | 100                 | 7536                         | 8900                         | 5174       | 455306                   | 9020.76                |                                  |
| 18      | 05/22/2024       | 100                 | 7634                         | 8387                         | 4885       | 449987                   | 8851.33                |                                  |
| 19      | 05/23/2024       | 100                 | 7550                         | 8611                         | 4845       | 448228                   | 8835.60                |                                  |
| 20      | 05/23/2024       | 100                 | 7733                         | 8746                         | 5012       | 450114                   | 8850.64                |                                  |
| 21      | 05/24/2024       | 100                 | 7556                         | 8633                         | 5123       | 444980                   | 9028.50                |                                  |
| 22      | 05/24/2024       | 94                  | 7370                         | 8522                         | 4982       | 450342                   | 8759.21                |                                  |
| 23      | 05/25/2024       | 100                 | 7756                         | 8647                         | 4836       | 450500                   | 8774.38                |                                  |
| 24      | 05/26/2024       | 100                 | 7866                         | 8197                         | 4711       | 450830                   | 8899.76                |                                  |
| 25      | 05/27/2024       | 100                 | 7759                         | 8569                         | 4088       | 450160                   | 8982.57                |                                  |
| 26      | 05/29/2024       | 100                 | 7551                         | 0                            | 4875       | 449980                   | 9529.64                |                                  |
| 27      | 05/30/2024       | 100                 | 7410                         | 8271                         | 5333       | 450740                   | 8850.57                |                                  |
| 28      | 05/31/2024       | 100                 | 7459                         | 0                            | 4774       | 449160                   | 8813.33                |                                  |
| 29      | 06/01/2024       | 98                  | 7210                         | 0                            | 4796       | 453020                   | 8801.69                |                                  |
| 30      | 06/02/2024       | 100                 | 7244                         | 8124                         | 4975       | 450000                   | 8725.02                |                                  |
| 31      | 06/02/2024       | 100                 | 7019                         | 0                            | 5165       | 452910                   | 8756.07                |                                  |
| 32      | 06/02/2024       | 99                  | 7290                         | 8591                         | 4983       | 450900                   | 8825.60                |                                  |
| 33      | 06/03/2024       | 100                 | 7131                         | 8609                         | 4975       | 450230                   | 8792.88                |                                  |
| 34      | 06/03/2024       | 100                 | 7037                         | 8308                         | 4972       | 450740                   | 8783.74                |                                  |
| 35      | 06/04/2024       | 99                  | 7124                         | 8277                         | 4974       | 450680                   | 8767.24                |                                  |
| 36      | 06/04/2024       | 100                 | 7206                         | 8337                         | 4451       | 449900                   | 8818.10                |                                  |
| 37      | 06/04/2024       | 100                 | 7076                         | 0                            | 5190       | 451400                   | 8832.38                |                                  |
| 38      | 06/04/2024       | 98                  | 7177                         | 8515                         | 4950       | 450300                   | 8524.57                |                                  |
| 39      | 06/05/2024       | 100                 | 7249                         | 8777                         | 4566       | 450770                   | 8704.17                |                                  |
| 40      | 06/05/2024       | 100                 | 7230                         | 8995                         | 4910       | 450220                   | 8738.55                |                                  |
| 41      | 06/05/2024       | 100                 | 6713                         | 0                            | 5162       | 451110                   | 8689.33                |                                  |

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|----|------------|-----|------|------|------|--------|---------|
| 42 | 06/05/2024 | 100 | 6863 | 0    | 5003 | 443330 | 8715.98 |
| 43 | 06/06/2024 | 100 | 6888 | 7646 | 4752 | 450260 | 8744.00 |
| 44 | 06/06/2024 | 100 | 6788 | 7859 | 5059 | 450164 | 8863.52 |
| 45 | 06/08/2024 | 100 | 7395 | 8624 | 4561 | 450168 | 8648.74 |
| 46 | 06/08/2024 | 100 | 7539 | 0    | 4837 | 450240 | 8698.36 |
| 47 | 06/08/2024 | 99  | 7284 | 0    | 4886 | 450380 | 8706.00 |
| 48 | 06/09/2024 | 100 | 6846 | 7750 | 5055 | 450365 | 8690.31 |
| 49 | 06/09/2024 | 99  | 6956 | 0    | 4481 | 450040 | 8698.38 |
| 50 | 06/09/2024 | 99  | 7582 | 0    | 4920 | 450440 | 8711.90 |

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

|                                 |                    |
|---------------------------------|--------------------|
| Job Start Date:                 | 05/04/2024         |
| Job End Date:                   | 06/09/2024         |
| State:                          | West Virginia      |
| County:                         | Marshall           |
| API Number:                     | 47-051-02281-00-00 |
| Operator Name:                  | EQT Production     |
| Well Name and Number:           | Knob Creek S-6HM   |
| Latitude:                       | 39.770058          |
| Longitude:                      | -80.705507         |
| Datum:                          | NAD83              |
| Federal Well:                   | NO                 |
| Indian Well:                    | NO                 |
| True Vertical Depth:            | 6389               |
| Total Base Water Volume (gal)*: | 18572395.38        |
| 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  | 87.29771   | None     |
| Sand (Proppant)    | EQT        | Proppant           |   |  |  |  |          |
|                    |            |                    | Silica Substrate  | 14808-60-7                               | 100.00000  | 12.56067   | None     |
| StimSTREAM FR 9800 | ChemStream | Friction Reducer   |   |  |  |  |          |
|                    |            |                    | ALKANES, C12-26-BRANCHED AND LINEAR                                   | 90622-53-0                               | 40.00000   | 0.01433  | None     |
| StimSTREAM FR 9800 | ChemStream | Friction Reducer   |   |  |  |  |          |
|                    |            |                    | ACRYLAMIDE-CHLORIDE SALT OF TRIMETHYLAMMONIO-ETHYL ACRYLATE COPOLYMER | 69418-26-4                               | 40.00000   | 0.01433  | None     |
| Clearal 268        | ChemStream | Biocide            |   |  |  |  |          |
|                    |            |                    | Water   | 7732-18-5                                | 80.00000   | 0.00872  | None     |

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|                       |                    |                     |                                       |             |          |         |      |
|-----------------------|--------------------|---------------------|---------------------------------------|-------------|----------|---------|------|
| StimSTREAM<br>FR 9800 | ChemStream         | Friction<br>Reducer |                                       |             |          |         |      |
|                       |                    |                     | Water                                 | 7732-18-5   | 15.00000 | 0.00202 | None |
| HCR-7000<br>WL        | Fluid USA,<br>Inc. | Synthetic<br>Acid   |                                       |             |          |         |      |
|                       |                    |                     | FLUID-Acid-00001                      | Proprietary | 20.00000 | 0.00117 | None |
| Clearal 268           | ChemStream         | Biocide             |                                       |             |          |         |      |
|                       |                    |                     | Glutaraldehyde                        | 111-30-8    | 20.00000 | 0.00054 | None |
| HCR-7000<br>WL        | Fluid USA,<br>Inc. | Synthetic<br>Acid   |                                       |             |          |         |      |
|                       |                    |                     | FLUID-Amine-00001                     | Proprietary | 10.00000 | 0.00029 | None |
| StimSTREAM<br>FR 9800 | ChemStream         | Friction<br>Reducer |                                       |             |          |         |      |
|                       |                    |                     | ETHOXYLATED<br>ALCOHOLS (C12-16)      | 68551-12-2  | 5.00000  | 0.00022 | None |
| StimSTREAM<br>SC-398  | ChemStream         | Scale<br>Inhibitor  |                                       |             |          |         |      |
|                       |                    |                     | AA/ATBS Co-polymer                    | 9003-05-8   | 5.00000  | 0.00002 | None |
| Clearal 268           | ChemStream         | Biocide             |                                       |             |          |         |      |
|                       |                    |                     | Quaternary Ammonium<br>Compounds      | 68424-85-1  | 3.00000  | 0.00001 | None |
| Clearal 268           | ChemStream         | Biocide             |                                       |             |          |         |      |
|                       |                    |                     | Didecyl dimethyl ammonium<br>chloride | 7173-51-5   | 3.00000  | 0.00001 | None |
| Clearal 268           | ChemStream         | Biocide             |                                       |             |          |         |      |
|                       |                    |                     | Ethanol                               | 64-17-5     | 1.50000  | 0.00000 | None |
| StimSTREAM<br>SC-398  | ChemStream         | Scale<br>Inhibitor  |                                       |             |          |         |      |
|                       |                    |                     | AA/Maleic Anhydride Co-<br>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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**KNOB CREEK S LEASE  
WELL 6HM  
TUG HILL OPERATING**

10,917' T.H.

7,967' B.H.

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

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

7,872' T.H.

B.H.  
A.D.

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

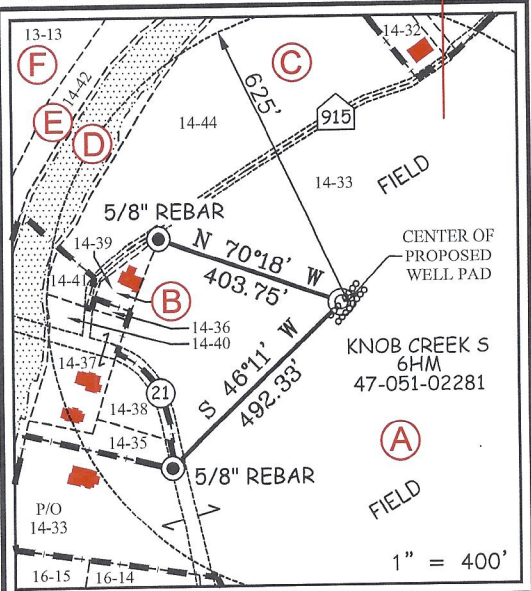
|                      |                   |                    |
|----------------------|-------------------|--------------------|
| NAD'83 S.P.C.(FT)    | N. 464,867.39     | E. 1,629,661.44    |
| NAD'83 GEO.          | LAT-(N) 39.770057 | LONG-(W) 80.705504 |
| NAD'83 UTM (M)       | N. 4,402,277.77   | E. 525,222.23      |
| <b>LANDING POINT</b> |                   |                    |
| NAD'83 S.P.C.(FT)    | N. 464,630.1      | E. 1,628,206.2     |
| NAD'83 GEO.          | LAT-(N) 39.769352 | LONG-(W) 80.710669 |
| NAD'83 UTM (M)       | N. 4,402,198.1    | E. 524,780.1       |
| <b>BOTTOM HOLE</b>   |                   |                    |
| NAD'83 S.P.C.(FT)    | N. 457,039.1      | E. 1,632,508.7     |
| NAD'83 GEO.          | LAT-(N) 39.748672 | LONG-(W) 80.695005 |
| NAD'83 UTM (M)       | N. 4,399,907.3    | E. 526,129.5       |

**AS DRILLED COORDINATES  
FOR WELL NO. S-6HM**

|   |                   |                    |
|---|-------------------|--------------------|
| <b>(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)</b> |                   |                    |
| NAD'83 S.P.C.(FT)                                 | N. 464,867.39     | E. 1,629,661.44    |
| NAD'83 GEO.                                       | LAT-(N) 39.770057 | LONG-(W) 80.705504 |
| NAD'83 UTM (M)                                    | N. 4,402,277.77   | E. 525,222.23      |
| <b>LANDING POINT</b>                              |                   |                    |
| NAD'83 S.P.C.(FT)                                 | N. 464,633.4      | E. 1,628,204.5     |
| NAD'83 GEO.                                       | LAT-(N) 39.769361 | LONG-(W) 80.710676 |
| NAD'83 UTM (M)                                    | N. 4,402,199.1    | E. 524,779.6       |
| <b>BOTTOM HOLE</b>                                |                   |                    |
| NAD'83 S.P.C.(FT)                                 | N. 457,042.5      | E. 1,632,510.1     |
| NAD'83 GEO.                                       | LAT-(N) 39.748681 | LONG-(W) 80.695000 |
| NAD'83 UTM (M)                                    | N. 4,399,908.4    | E. 526,129.9       |

| MAP/PARCEL | ADJOINING SURFACE OWNER LIST          | ACRES              |
|------------|---------------------------------------|--------------------|
| 9-13-12.1  | ROBERT T. & BARBARA A. ANKROM         | 2.632              |
| 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. GROFT, ET UX               | 0.35               |
| 9-14-31    | WILFORD F. NELSON, JR., ET UX         | 0.954              |
| 9-14-32    | TWILA C. COPFIELD                     | 0.583              |
| 9-14-32.1  | TWILA C. COPFIELD                     | 0.184              |
| 9-14-35    | PAUL G. FOX                           | 0.338              |
| 9-14-36    | MARGARET FOX - LIFE                   | 1600 SQ. FT.       |
| 9-14-37    | MARGARET FOX - LIFE                   | LOT                |
| 9-14-38    | MARGARET FOX - LIFE                   | 0.631              |
| 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              |
| 9-16-12.1  | JAMES G. RICHMOND, ET UX              | 0.691              |
| 9-16-12.2  | SPENCER J. & CARRIE A. RICHMOND       | 0.575              |
| 9-16-12.3  | JAMES G. RICHMOND, ET UX              | 0.937              |
| 9-16-12.4  | SIBEL A. TRUAX, ET VIR                | 0.516              |
| 9-16-12.5  | TIMOTHY S. & GRETCHEN M. KIDD         | 1.23               |
| 9-16-12.6  | SPENCER J. & CARRIE A. RICHMOND       | 0.141              |
| 9-16-12.7  | SPENCER J. & CARRIE A. RICHMOND       | 0.55               |
| 9-16-12.8  | IVAN H. & MARGARET A. RICHMOND        | 0.85               |
| 9-16-13.2  | ELEANOR M. FOX ESTATE                 | 1.570              |
| 9-16-13.3  | PAUL R. BLAKE                         | 0.7538             |
| 9-16-13.4  | JOHN FOX                              | 0.533              |
| 9-16-14    | LYNN CAMP METHODIST CHURCH            | 0.762              |
| 9-16-15    | RONALD R. YOUNG, ET UX - LIFE         | 52.02              |
| 9-16-15.1  | ERIC J. YOUNG                         | 1.98               |
| 9-16-16    | CLINTON B. WHITEATCH, SR., ET UX ESTS | 1 AC. 5 6/10 POLES |
| 9-16-17    | ELEANOR M. FOX ESTATE                 | 0.741              |
| 9-16-18.1  | ROBIN D. & DAVID G. STEWART           | 3.333              |

**REFERENCES**



T.H.  
A.D.

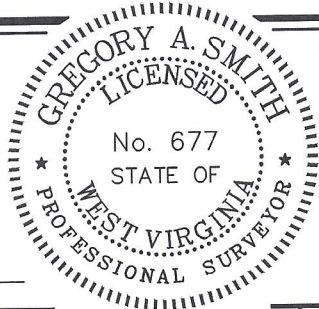


12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slsvv.com

**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. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE JULY 27, 20 18  
REVISED DECEMBER 6, 2023  
OPERATORS WELL NO. KNOB CREEK S-6HM  
API WELL NO. 47 - 051 - 02281  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789 KC S-6HM AD P.dwg  
KNOB CREEK S-6HM-REV4  
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

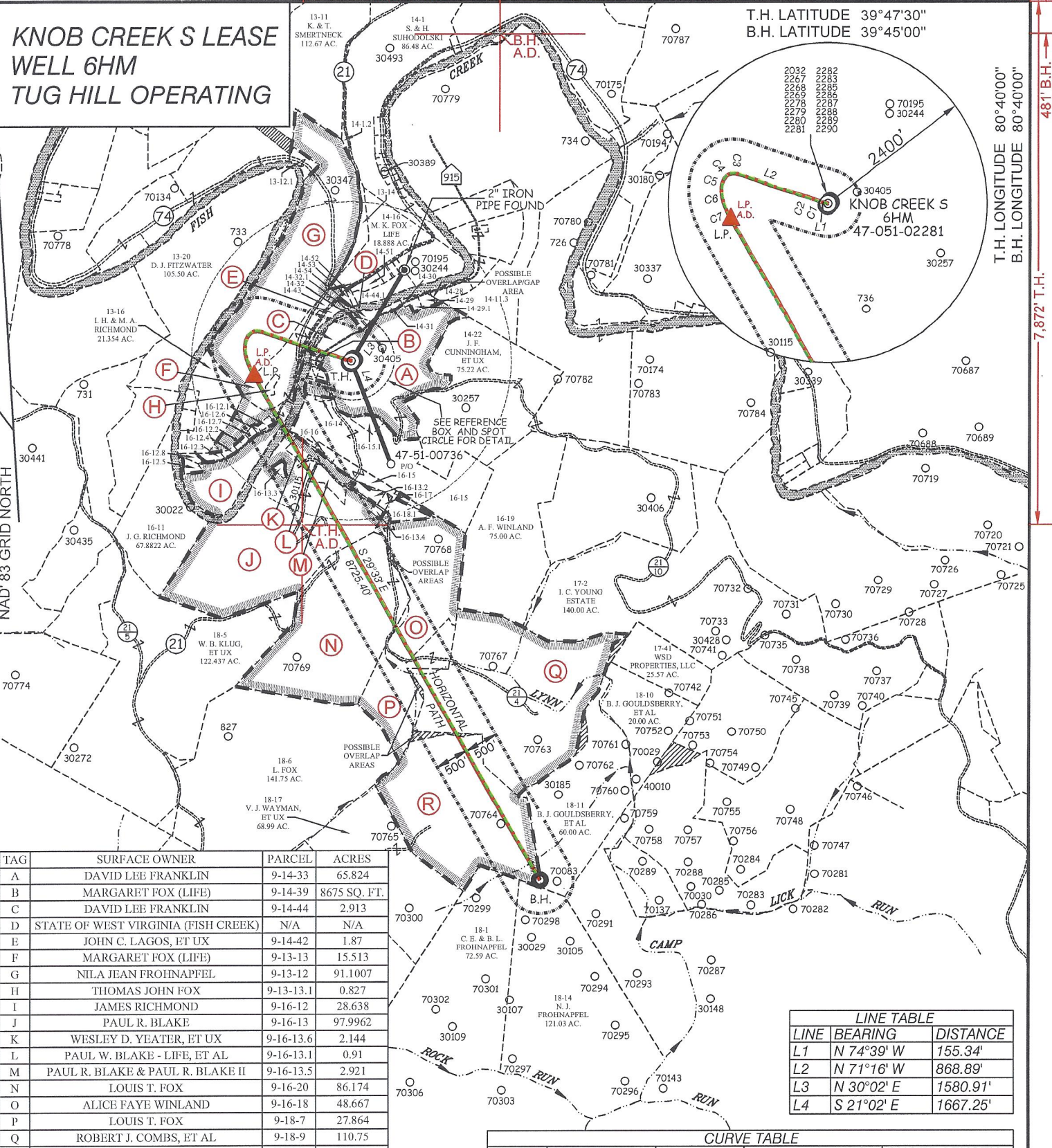
LOCATION: ELEVATION 737.50' WATERSHED FISH CREEK (HUC 10)  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE B.H. - WILEYVILLE 7.5'  
T.H. - GLEN EASTON 7.5'

SURFACE OWNER DAVID LEE FRANKLIN ACREAGE 65.824±  
ROYALTY OWNER DAVID LEE FRANKLIN, ET AL - SEE WW-6A1 ACREAGE 65.824±  
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: 6,343' / TMD: 15,777'

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

COUNTY NAME  
PERMIT



| TAG | SURFACE OWNER                       | PARCEL    | ACRES        |
|-----|-------------------------------------|-----------|--------------|
| A   | DAVID LEE FRANKLIN                  | 9-14-33   | 65.824       |
| B   | MARGARET FOX (LIFE)                 | 9-14-39   | 8675 SQ. FT. |
| C   | DAVID LEE FRANKLIN                  | 9-14-44   | 2.913        |
| D   | STATE OF WEST VIRGINIA (FISH CREEK) | N/A       | N/A          |
| E   | JOHN C. LAGOS, ET UX                | 9-14-42   | 1.87         |
| F   | MARGARET FOX (LIFE)                 | 9-13-13   | 15.513       |
| G   | NILA JEAN FROHNAPFEL                | 9-13-12   | 91.1007      |
| H   | THOMAS JOHN FOX                     | 9-13-13.1 | 0.827        |
| I   | JAMES RICHMOND                      | 9-16-12   | 28.638       |
| J   | PAUL R. BLAKE                       | 9-16-13   | 97.9962      |
| K   | WESLEY D. YEATER, ET UX             | 9-16-13.6 | 2.144        |
| L   | PAUL W. BLAKE - LIFE, ET AL         | 9-16-13.1 | 0.91         |
| M   | PAUL R. BLAKE & PAUL R. BLAKE II    | 9-16-13.5 | 2.921        |
| N   | LOUIS T. FOX                        | 9-16-20   | 86.174       |
| O   | ALICE FAYE WINLAND                  | 9-16-18   | 48.667       |
| P   | LOUIS T. FOX                        | 9-18-7    | 27.864       |
| Q   | ROBERT J. COMBS, ET AL              | 9-18-9    | 110.75       |
| R   | DOUGLAS J. WAYMAN                   | 9-18-8    | 92.72        |

| LINE | BEARING    | DISTANCE |
|------|------------|----------|
| L1   | N 74°39' W | 155.34'  |
| L2   | N 71°16' W | 868.89'  |
| L3   | N 30°02' E | 1580.91' |
| L4   | S 21°02' E | 1667.25' |

| CURVE | ARC LENGTH | RADIUS    | CHORD BEARING | CHORD LENGTH |
|-------|------------|-----------|---------------|--------------|
| C1    | 105.64'    | 3582.04'  | N 72°21' W    | 105.64'      |
| C2    | 273.68'    | 36985.28' | N 71°27' W    | 273.68'      |
| C3    | 145.36'    | 217.34'   | N 87°54' W    | 142.67'      |
| C4    | 115.54'    | 161.08'   | S 47°24' W    | 113.08'      |
| C5    | 148.13'    | 346.57'   | S 12°47' W    | 147.00'      |
| C6    | 241.35'    | 726.21'   | S 08°50' E    | 240.24'      |
| C7    | 245.81'    | 1235.52'  | S 23°49' E    | 245.40'      |



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

LEGEND

AS DRILLED (solid red line)  
 PROPOSED (dashed green line)

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

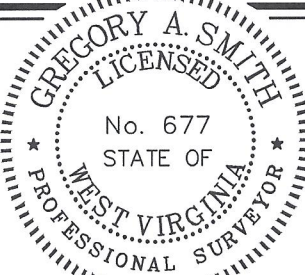
NAD'83 S.P.C.(FT) N. 464,867.39 E. 1,629,661.44  
 NAD'83 GEO. LAT-(N) 39.770057 LONG-(W) 80.705504  
 NAD'83 UTM (M) N. 4,402,277.77 E. 525,222.23

LANDING POINT

NAD'83 S.P.C.(FT) N. 464,630.1 E. 1,628,206.2  
 NAD'83 GEO. LAT-(N) 39.769352 LONG-(W) 80.710669  
 NAD'83 UTM (M) N. 4,402,198.1 E. 524,780.1

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 457,039.1 E. 1,632,508.7  
 NAD'83 GEO. LAT-(N) 39.748672 LONG-(W) 80.695005  
 NAD'83 UTM (M) N. 4,399,907.3 E. 526,129.5



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

P.S. 677

*Gregory A. Smith*

LEGEND

LEASE LINE (dashed line)  
 SURFACE LINE (solid line)  
 WELL LATERAL (dashed line with dots)  
 OFFSET LINE (dashed line)  
 TIE LINE (solid line)  
 CREEK (wavy line)  
 ROAD (solid line with cross-ticks)  
 COUNTY ROUTE (dashed line with cross-ticks)  
 PROPOSED WELL (circle with cross-hairs)  
 EXISTING WELL (circle with dot)  
 PERMITTED WELL (circle with cross-hairs)  
 TAX MAP-PARCEL (circle with number)  
 SURFACE OWNER (SEE TABLE) (circle with letter)  
 LEASE # (SEE WW-6A1) (circle with number)

SCALE 1" = 2000' FILE NO. 8789 KC S-6HM AD P.dwg

KNOB CREEK S-6HM-REV4

DATE JULY 27, 2018

REVISED DECEMBER 6, 2023

OPERATORS WELL NO. KNOB CREEK S-6HM  
 API WELL NO. 47-051-02281  
 NO. STATE COUNTY PERMIT

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



WELL OPERATOR EQT PRODUCTION COMPANY

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 CANONSBURG, PA 15317

DESIGNATED AGENT JOSEPH C. MALLOW

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02/07/2025