

**KNOB CREEK S LEASE  
UTICA UNIT - 292.62 AC±  
WELL 15HU  
TUG HILL OPERATING**

A.D.  
B.H.

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. 464,881.79 E. 1,629,700.56  
NAD'83 GEO. LAT-(N) 39.770098 LONG-(W) 80.705365  
NAD'83 UTM (M) N. 4,402,282.36 E. 525,234.08

LANDING POINT

NAD'83 S.P.C.(FT) N. 465,188.7 E. 1,629,961.6  
NAD'83 GEO. LAT-(N) 39.770950 LONG-(W) 80.704451  
NAD'83 UTM (M) N. 4,402,377.2 E. 525,312.0

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 456,995.2 E. 1,634,420.5  
NAD'83 GEO. LAT-(N) 39.748621 LONG-(W) 80.688204  
NAD'83 UTM (M) N. 4,399,903.7 E. 526,712.2

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°40'00"  
495' B.H. A.D.

**AS DRILLED COORDINATES  
FOR WELL NO. 15HU**

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

NAD'83 S.P.C.(FT) N. 464,881.76 E. 1,629,700.56  
NAD'83 GEO. LAT-(N) 39.770098 LONG-(W) 80.705365  
NAD'83 UTM (M) N. 4,402,282.36 E. 525,234.08

LANDING POINT

NAD'83 S.P.C.(FT) N. 465,188.5 E. 1,629,963.0  
NAD'83 GEO. LAT-(N) 39.770890 LONG-(W) 80.704374  
NAD'83 UTM (M) N. 4,402,370.5 E. 525,318.7

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 457,003.0 E. 1,634,445.7  
NAD'83 GEO. LAT-(N) 39.748643 LONG-(W) 80.688115  
NAD'83 UTM (M) N. 4,399,906.2 E. 526,719.8

TAG	SURFACE OWNER	PARCEL	ACRES
A	DAVID LEE FRANKLIN	9-14-33	65.824
B	MARGARET FOX - LIFE	9-14-39	8,675 SQ. FT
C	DAVID LEE FRANKLIN	9-14-44	2.913
D	STATE OF WEST VIRGINIA (FISH CREEK)	N/A	N/A
E	TWILA C. COFFIELD	9-14-32	0.583
F	TWILA C. COFFIELD	9-14-32.1	0.184
G	JOHN C. LAGOS, ET UX	9-14-42	1.87
H	JAMES G. FOX	9-14-43	0.66
I	MARGARET FOX - LIFE	9-13-13	15.513
J	NILA JEAN FROHNAPFEL	9-13-12	91.1007
K	MARGARET K. FOX - LIFE	9-13-14	3.00
L	MARGARET K. FOX - LIFE	9-14-46	18.888
M	JAMES E. PEELMAN	9-14-53	0.555
N	JAMES E. PEELMAN	9-14-52	0.439
O	GEORGE R. TAYLOR, ET UX	9-14-51	1.621
P	GEORGE R. TAYLOR, ET UX	9-14-44.1	4.423
Q	RICHARD L. HARVETH, ET UX	9-14-54	1.649
R	WILFORD F. NELSON, JR., ET UX	9-14-31	0.954
S	ERIC J. YOUNG	9-16-15.1	1.98
T	JOHN F. CUNNINGHAM, ET UX	9-14-22	75.22
U	RONALD R. YOUNG, ET UX - LIFE	9-16-15	52.02
V	ROBIN D. & DAVID G. STEWART	9-16-18.1	3.333
W	ALICE FAYE WINLAND	9-16-18	48.667
X	ALICE FAYE WINLAND	9-16-19	75.00
Y	I. C. YOUNG ESTATE	9-17-2	140.00
Z	ROBERT J. COMBS, ET AL	9-18-9	110.75
AA	BETTY J. GOULDSBERRY ESTATE, ET AL	9-18-10	20.00
BB	BETTY J. GOULDSBERRY ESTATE, ET AL	9-18-11	60.00
CC	LOUIS T. FOX	9-18-12	50.00
DD	I. C. YOUNG ESTATE	9-19-1	80.00
EE	LOUIS T. FOX	9-19-19.1	21.68

A.D.  
T.H.

7,857' T.H. A.D.

**NOTES ON SURVEY**

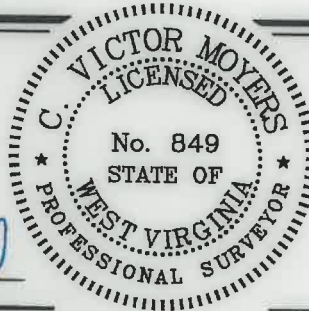
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- SEE REFERENCES FOR DWELLINGS LOCATED WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- BASED ON WV DOT COUNTY ROUTE 74 IS A 40' STRIP OF LAND ACQUIRED IN NUMEROUS DEEDS.
- PROPOSED LATERAL OR TOP HOLE OF KNOB CREEK S-15HU (47-051-02289) IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF EXISTING WELLS  
KNOB CREEK N-11HU (47-051-02287),  
KNOB CREEK N-12HU (47-051-02288),  
KNOB CREEK N-13HU (47-051-02289),  
KNOB CREEK S-14HU (47-051-02288),  
KNOB CREEK S-16HU (47-051-02290),  
KEITH STERN N-13HU (47-051-02265),  
KEITH STERN S-17HU (47-051-02266).
- AS-DRILLED DATA PROVIDED BY TUG HILL OPERATING, LLC.
- PLAT UPDATED TO SHOW AS-DRILLED PATH.



12 Yanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.452.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5298  
slsrv.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. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE MAY 21, 20 21  
REVISED \_\_\_\_\_, 20 \_\_\_\_  
OPERATORS WELL NO. KNOB CREEK S-15HU  
API WELL NO. 47 - 051 - 02289  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8789P15HUAD.dwg  
KNOB CREEK S-15HU REV4  
HORIZONTAL & VERTICAL SCALE 1" = 2000'  
CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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

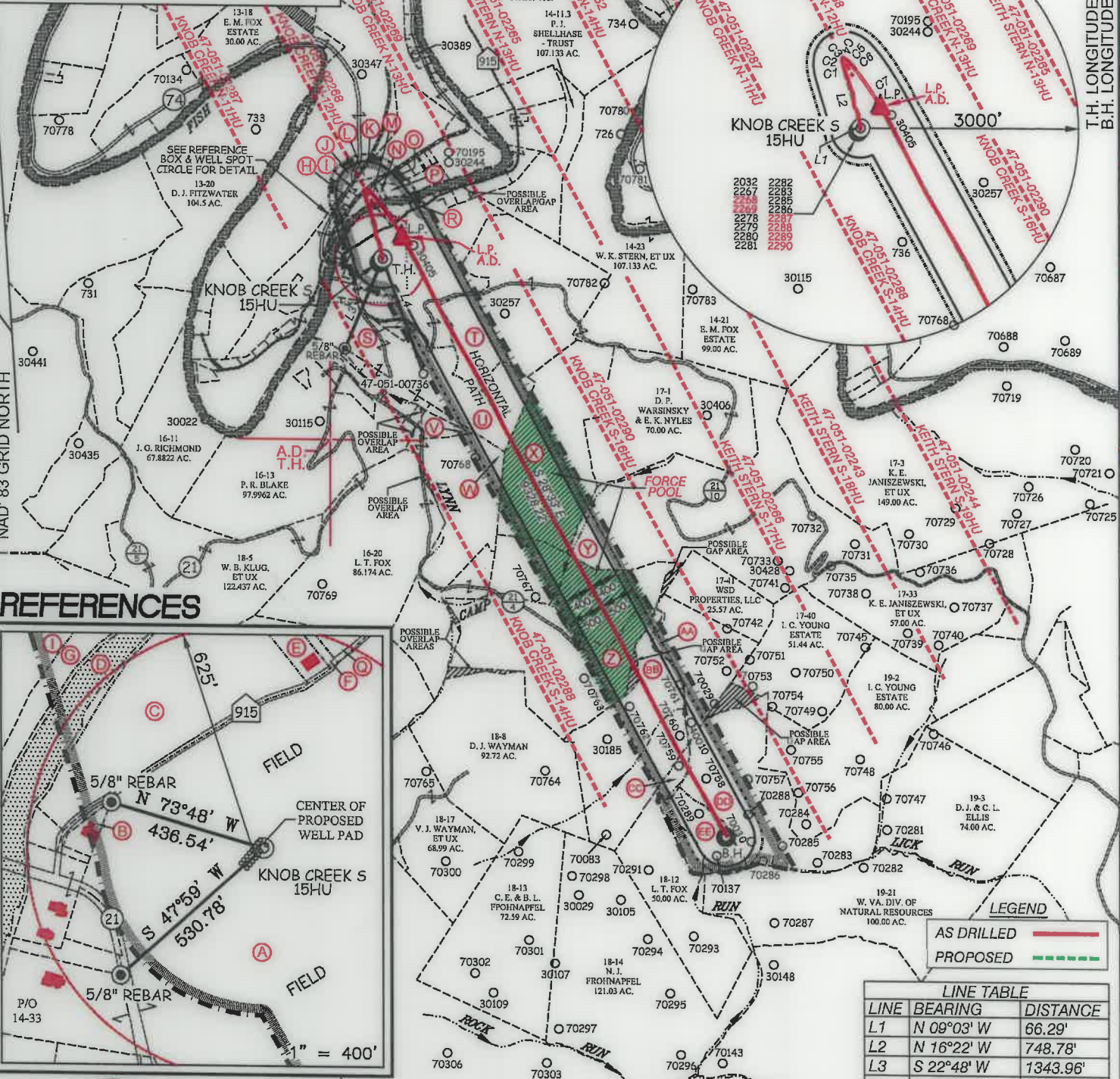
WELL TYPE: OIL \_\_\_\_\_ GAS X INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_\_\_ DEEP X SHALLOW \_\_\_\_\_  
LOCATION: GROUND = 729.90'  
ELEVATION PROPOSED = 734.67' WATERSHED FISH CREEK (HUC 10)  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'  
SURFACE OWNER DAVID LEE FRANKLIN ACREAGE 65.824±  
ROYALTY OWNER DAVID LEE FRANKLIN, ET AL - SEE ADDITIONAL SHEETS ACREAGE 65.824±  
PROPOSED WORK: LEASE NO. SEE ADDITIONAL SHEETS  
DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION POINT PLEASANT  
ESTIMATED DEPTH TVD: 11,315' TMD: 21,065'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS CT CORPORATION SYSTEM  
FORT WORTH, TX 76107 ADDRESS 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313

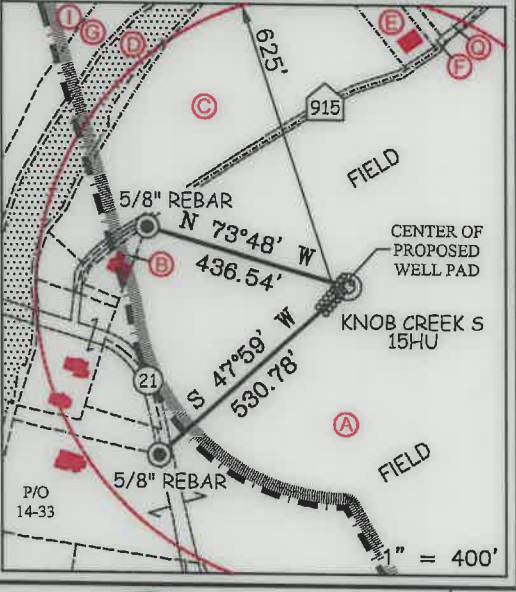
COUNTY NAME PERMIT



**KNOB CREEK S LEASE  
UTICA UNIT - 292.62 AC ±  
WELL 15HU  
TUG HILL OPERATING**



**REFERENCES**



**SLS**  
FROM THE GROUND UP

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  
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SCALE 1" = 2000' FILE NO. 8789P15HUAD.dwg  
KNOB CREEK S-15HU REV4

DATE MAY 21, 20 21  
REVISED \_\_\_\_\_, 20 \_\_\_\_

OPERATORS WELL NO. KNOB CREEK S-15HU  
API WELL NO. 47-051-02289  
STATE COUNTY PERMIT



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

WELL OPERATOR TUG HILL OPERATING, LLC  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500  
FORT WORTH, TX 76107

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

**LEGEND**

- UNIT BOUNDARY
- LEASED TRACTS INSIDE UNIT BOUNDARY
- SURFACE LINE
- PROPOSED UTICA
- WELL LATERAL
- 400' OFFSET LINE
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- FORCE POOL TRACT
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE) LEASE # (SEE ADDITIONAL SHEETS)

DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 5400 D BIG TYLER ROAD  
CHARLESTON, WV 25313

**CHORD BEARING**

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	105.33'	530.99'	N 10°59' W	105.16'
C2	36.84'	112.82'	N 05°26' E	36.67'
C3	22.87'	25.90'	N 42°50' E	22.14'
C4	27.05'	43.78'	S 80°27' E	26.62'
C5	63.89'	236.87'	S 53°36' E	63.70'
C6	161.69'	1111.48'	S 41°27' E	161.54'
C7	557.59'	3534.10'	S 32°32' E	557.01'

**LINE TABLE**

LINE	BEARING	DISTANCE
L1	N 09°03' W	66.29'
L2	N 16°22' W	748.78'
L3	S 22°48' W	1343.96'
L4	S 19°36' E	1667.17'

T.H. LATITUDE 39°47'30" B.H. LATITUDE 39°45'00" T.H. LONGITUDE 80°40'00" B.H. LONGITUDE 80°40'00" 495' B.H. A.D. 7,857' T.H. A.D.

10,878' T.H. A.D. 6,031' B.H. A.D.

NAD'83 GRID NORTH

COUNTY NAME PERMIT



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stlww.com

NO.	Lease ID	Parcel	Tags	Grantor, Lessor, Etc.	Deed Book/Page
1	10*47051.219.1	9-14-33	A	DAVID LEE FRANKLIN	874 312
2	10*47051.219.1	9-14-39	B	DAVID LEE FRANKLIN	937 385
3	10*47051.219.1	9-14-44	C	DAVID LEE FRANKLIN	937 385
4	10*23458	FISC CREEK	D	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1019 373
5	10*47051.219.1	9-14-32	E	DAVID LEE FRANKLIN	937 385
6	10*47051.219.1	9-14-32.1	F	DAVID LEE FRANKLIN	937 385
7	10*19538	9-14-42	G	JOHN C LAGOS AND CYNTHIA M LAGOS	936 531
8	10*18732	9-14-43	H	SHERRILL M LEAVERS AND JAMES H LEAVERS, ET AL.	938 245
9	10*18732	9-13-13	I	SHERRILL M LEAVERS AND JAMES H LEAVERS, ET AL.	938 245
10	10*47051.243.1	9-13-14	K	MARY A FOX, ET AL.	879 332
11	10*18298	9-14-46	L	MAUREEN GREGG, ET AL.	929 273
12	10*19565	9-14-53	M	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	947 566
13	10*47051.219.1	9-14-53	M	DAVID LEE FRANKLIN	874 312
14	10*47051.219.41	9-14-53	M	WILLIAM K STERN AND BETTY L STERN	894 485
15	10*19565	9-14-52	N	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	947 566
16	10*47051.219.1	9-14-52	N	DAVID LEE FRANKLIN	874 312
17	10*47051.219.41	9-14-52	N	WILLIAM K STERN AND BETTY L STERN	894 485
18	10*19565	9-14-51	O	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	947 566
19	10*47051.219.1	9-14-51	O	DAVID LEE FRANKLIN	874 312
20	10*47051.219.41	9-14-51	O	WILLIAM K STERN AND BETTY L STERN	894 485
21	10*19565	9-14-44.1	P	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	947 566
22	10*47051.219.1	9-14-44.1	P	DAVID LEE FRANKLIN	874 312
23	10*47051.219.41	9-14-44.1	P	WILLIAM K STERN AND BETTY L STERN	894 485
24	10*15523	9-14-54	Q	RICHARD L HARVETH AND SANDRA J HARVETH	729 638
25	10*47051.219.1	9-14-31	R	DAVID LEE FRANKLIN	937 385
26	10*23112	9-16-15.1	S	JOHN V AND RACHEL M SHEPHERD	63 219
27	10*16479	9-14-22	T	JOHN F CUNNINGHAM AND BERNEICE K CUNNINGHAM	826 88
28	10*23112	9-16-15	U	JOHN V AND RACHEL M SHEPHERD	63 219
29	10*47051.161.0	9-16-18.1	V	DAVID G STEWART & ROBIN D STEWART	885 65
30	10*47051.187.1	9-16-18	W	ALICE F WINLAND	881 133
31	10*18424	9-16-19	X	BRENDA J LOHRUM, ET AL.	932 590
32	*FORCE POOL* 10*23112	9-16-19	X	JOHN V AND RACHEL M SHEPHERD	63 219
33	10*15910	9-17-2	Y	SHIRLEY KOONTZ, ET AL.	701 303
34	*FORCE POOL*	9-18-9	Z	CATHARINE V B YOUNG AND A J YOUNG	164 534
35	10*15938	9-18-10	AA	MARK W YOHO, ET AL.	695 157
36	PENDING	9-18-12	CC	SMITH RICHMOND AND BELLE RICHMOND	132 503
37	10*15937	9-19-1	DD	SHIRLEY KOONTZ, ET AL.	707 619
38	PENDING	9-19-19.1	EE	SMITH RICHMOND AND BELLE RICHMOND	132 503

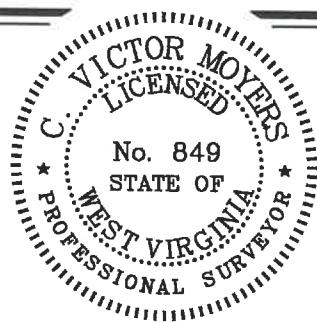
FILE NO. 8789P15HUAD.dwg  
KNOB CREEK S-15HU REV4

DATE MAY 21, 2021

REVISED \_\_\_\_\_, 20\_\_\_\_\_

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



10/21/2022

P.S. 849

*C. Victor Moyers*

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ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500  
FORT WORTH, TX 76107

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