



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, May 3, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359
SPRING, TX 773914954

Re: Permit Modification Approval for DAVID REINBEAU MSH 3H
47-051-02439-00-00

**Lateral Extension. Total Vertical Depth 6356' to 6349'. Total Measured Depth 14223' to 22789'.
Horizontal Leg Length 7471.44' to 15706.89'.**

SWN PRODUCTION COMPANY, LLC

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

A blue ink signature of James A. Martin, written in a cursive style, is positioned to the right of his name and title.

Operator's Well Number: DAVID REINBEAU MSH 3H
Farm Name: SHELLY A & DAVID W REINBEAU
U.S. WELL NUMBER: 47-051-02439-00-00
Horizontal 6A New Drill
Date Modification Issued: 05/03/2022

Promoting a healthy environment.

05/06/2022

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: SWN Production Co., LLC 494512924 051-MARsha 07-Union 486-Moundville
Operator ID County District Quadrangle

2) Operator's Well Number: David Reinbeau MSH 3H Well Pad Name: David Reinbeau MSH

3) Farm Name/Surface Owner: Shelly A & David W. Reinbeau Public Road Access: Sorghum Ridge Road

4) Elevation, current ground: 1251' Elevation, proposed post-construction: 1251'

5) Well Type (a) Gas Oil _____ Underground Storage _____

Other _____

(b) If Gas Shallow Deep _____

Horizontal Gayne Knitowski Digitally signed by Gayne Knitowski Date: 2022.04.14 13:20:43 -0400 ✓

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 6314', Target Base TVD- 6367', Anticipated Thickness- 53', Associated Pressure- 4139

8) Proposed Total Vertical Depth: 6349' ✓

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22789' ✓

11) Proposed Horizontal Leg Length: 15706.89 ✓

12) Approximate Fresh Water Strata Depths: 426'

13) Method to Determine Fresh Water Depths: Deepest nearby water well

14) Approximate Saltwater Depths: 883' Salinity Profile

15) Approximate Coal Seam Depths: 765'

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of.

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No _____

(a) If Yes, provide Mine Info: Name: Ohio Count Mine
Depth: 765'
Seam: Pittsburgh
Owner: American Consolidated Natural Resources

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Environmental Protection

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	126'	126'	CTS
Fresh Water	13 3/8"	New	H-40	48#	506'	506'	541 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2080'	2080'	982 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	22789'	22789'	Tall 7432sx/ 100' inside Intermediate
Tubing							
Liners							

Gayne Knitowski
Digitally signed by Gayne Knitowski
Date: 2022.04.08 07:58:46 -0400

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Interm	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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WW-6B-03-10
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Page 5 of 8
2022

Southwestern Energy Company

Proposed Drilling Program



Well: DAVID REINBEAU MSH 3
 Field: NORTH VICTORY FIELD WET
 County: MARSHALL
 SHL: 39.9929 Latitude -80.6614 Longitude
 BHL: 40.0344 Latitude -80.6792 Longitude
 KB Elev: 1,277 ft MSL

Re-entry Rig: TBD
 Prospect: Marcellus Shale
 State: WV
 KB: 26 ft AGL
 GL Elev: 1,251 ft MSL

No COAL VOID Anticipated

Gas Storage Interval: N/A
 PROD TOC Lead @ 2,300' MD
 PROD TOC Tail @ 5,380' MD

TUBULAR DETAIL

Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	126'
Surface	13.375	48.0 #	H-40	0'	506'
Intm/Coal	9.625	36.0 #	J-55	0'	2,080'
Production	5.5	20.0 #	P-110 HP	0'	22,789'

CEMENT DETAIL

	Sacks	Class	Density
Conductor:	151	A	19.3
Surface:	541	A	15.6
Intermediate:	982	A	15.6-16
Production:	7432	A	14.5-15.0

126' to 526' Air/Mist
 526' to 2,100' Air/Mist
 ↓
 Air/Mist

2,100' to 5,480' Air/Mist

↓
 Air/Mist TD at 5,480'

5,480' to 6,850' 12.5-13.0 ppg

6,850' to 22,789' ✓ 12.5-13.8ppg

KOP at 5,480' MD

Freshwater Depth - 426' TVD
 Coal Depth - 765' TVD
 Saltwater Depth - 883' TVD
 TVD - 6,349'
 TMD - 22,789'

6,349' Target Center ✓

TD at 22,789' MD
 6,158' TVD

6314' Top

6367' Bot

EOB at 6,850' MD

SHL Onondaga 6,367' TVD

Onondaga 6,176' TVD

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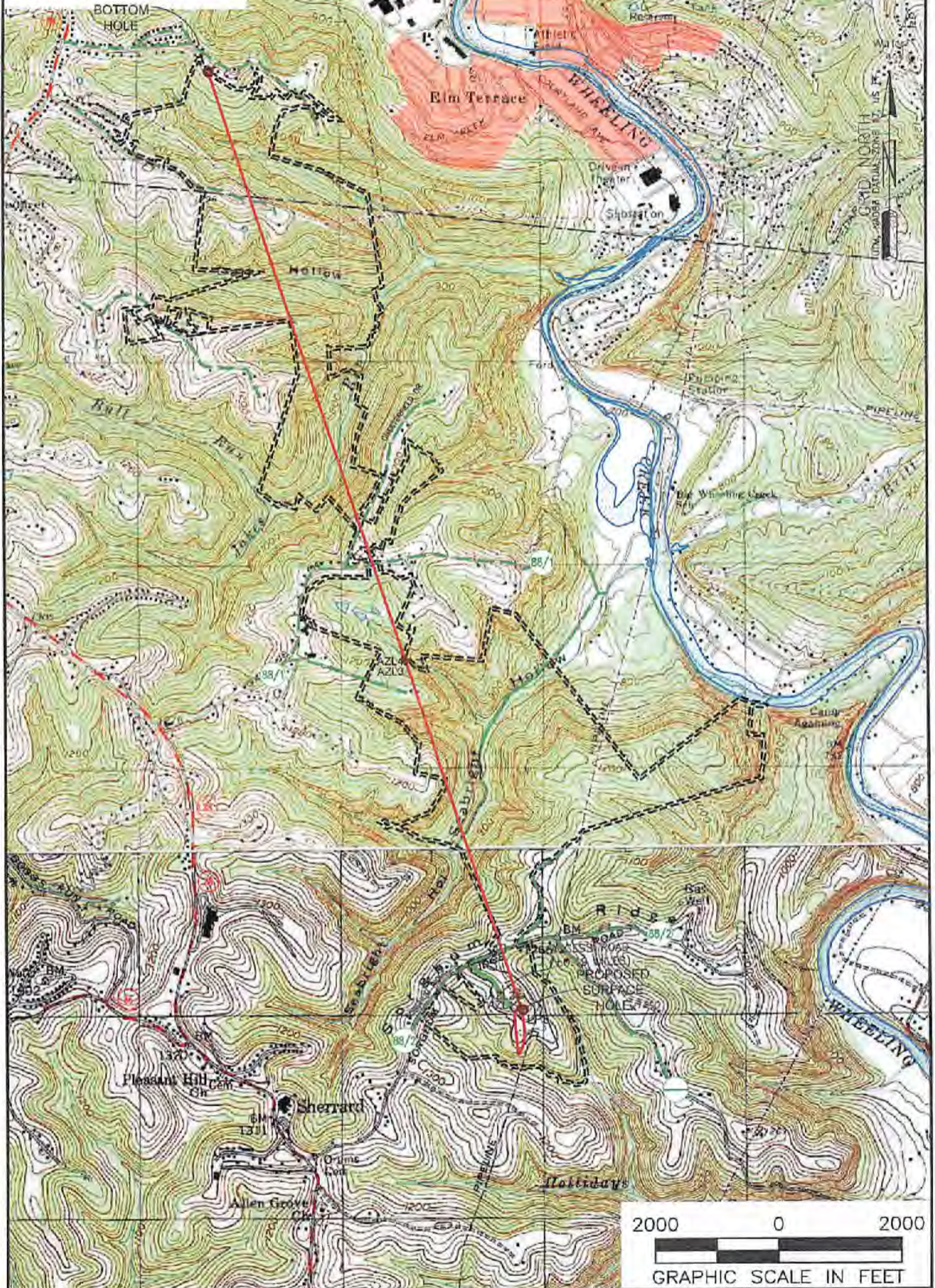
DAVID REINBEAU PAD

05/06/2022

1" = 2000'

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-6851



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- x LPLX LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

05/06/2022

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: DAVID REINBEAU MSH	WELL # 3H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; UNION	
SURFACE OWNER: SHELLY A. & DAVID W. REINBEAU	USGS 7 1/2 QUADRANGLE MAP NAME MOUNDSVILLE, WV		



SWN Production Company, LLC
1300 Fort Pierpont Dr, Ste 201
Morgantown, WV 26508
Tel: 304 884 1810
Fax: 304 471 2497
www.swn.com

March 30, 2022

Mr. Charles Brewer
WV DEP Office of Oil & Gas
601 57th St., SE
Charleston, WV 25304

RE: SWN's proposed New Well: David Reinbeau MSH 3H in Marshall County, West Virginia, Drilling under Sorghum Ridge Road, Garvins Road, and Ravenscraft Road.

Dear Mr. Brewer:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Sorghum Ridge Road, Garvins Road, and Ravenscraft Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Bailey Brougher
Senior Landman
SWN Production Company, LLC

The Right People doing the Right Things,
wisely investing the cash flow from our
underlying Assets will create Value.®

05/06/2022

Latitude: 40°00'00"

SURFACE HOLE 10,203'

JACKSON SURVEYING INC.

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Latitude: 40°02'30" BOTTOM HOLE

3,668'

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,427,018.725
EASTING: 528,904.237

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,427,019.133
EASTING: 528,894.096

AZIMUTH POINT LOCATION-1 (AZL1):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,427,033.846
EASTING: 528,890.155

AZIMUTH POINT LOCATION-2 (AZL2):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,427,080.036
EASTING: 528,876.399

AZIMUTH POINT LOCATION-3 (AZL3):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,734.188
EASTING: 528,333.720

AZIMUTH POINT LOCATION-4 (AZL4):

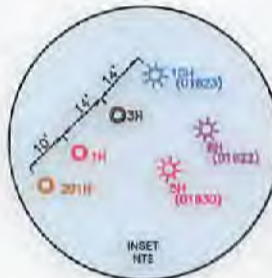
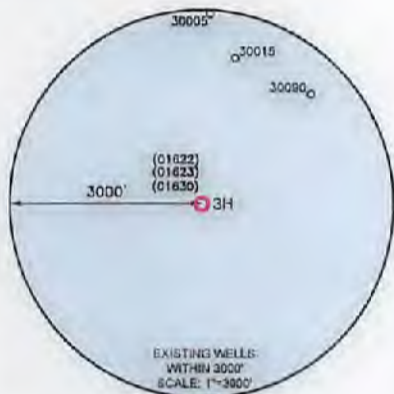
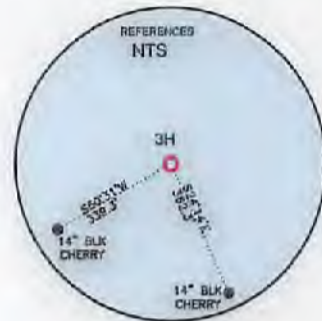
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,738.934
EASTING: 528,332.150

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,431,528.410
EASTING: 527,366.466

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1 through L6.

Table with columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Contains curve data for lines L3 and L5.



WELL RESTRICTIONS

- 1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- 1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY: SWN Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY GRADE GPS
ELEVATION: (NAVD 88, US FT)

DAVID REINBEAU MSH
OPERATOR'S WELL #: 3H
API WELL #: 47 051 02439
STATE COUNTY PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [x] DEEP [] GAS [x] LIQUID INJECTION [] STORAGE [] SHALLOW [x]
WATERSHED: HOLLIDAYS RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1251.2'
DISTRICT: UNION COUNTY: MARSHALL QUADRANGLE: MOUNDSVILLE, WV
SURFACE OWNER: SHELLY A. & DAVID W. REINBEAU ACREAGE: ±50.88
OIL & GAS ROYALTY OWNER: SHELLY A. & DAVID W. REINBEAU ACREAGE: ±50.88
DRILL [x] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [x] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION []
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [] (SPECIFY) 05/06/2022
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,349 TVD 22,789 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL: LANDING POINT LOCATION, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, PROPOSED PATH, REVISIONS, DATE: 04-05-2022, DRAWN BY: N. MANO, SCALE: 1" = 2000', DRAWING NO., WELL LOCATION PLAT

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708 *David L Jackson*

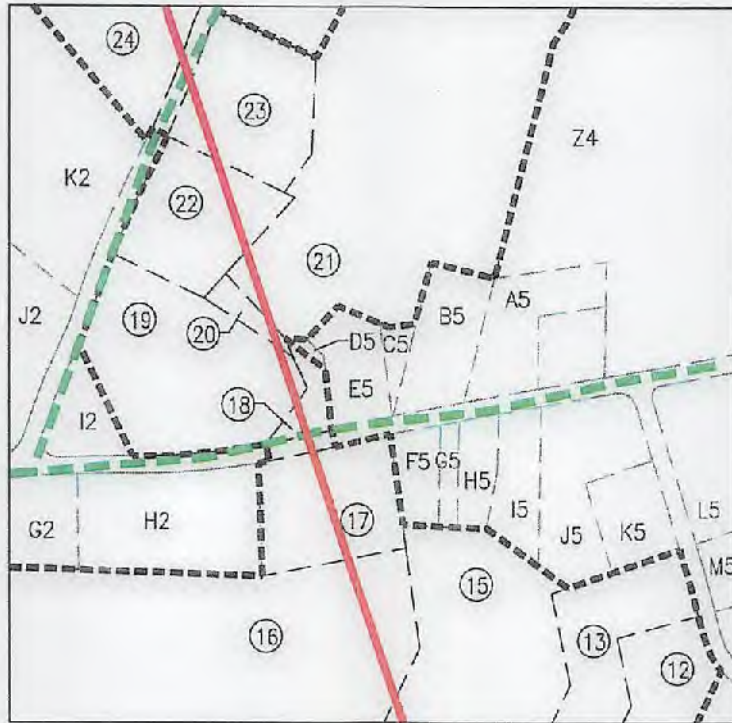
05/06/2022

REVISIONS:	COMPANY:		
	OPERATOR'S	DAVID REINBEAU MSH	DATE: 04-05-2022
	WELL #:	47-051-02431 3H	DRAWN BY: N. MANO
	DISTRICT:	UNION	SCALE: N/A
	COUNTY:	MARSHALL	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

DETAIL "A"



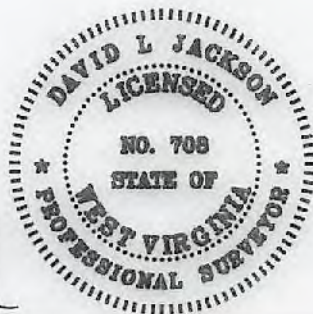
DETAIL "B"



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson



05/06/2022



REVISIONS:	COMPANY:		
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	47-051-02431	3H
	DISTRICT:	UNION	COUNTY: MARSHALL
			STATE: WV
			DATE: 04-05-2022
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 3

JACKSON SURVEYING
INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	REINBEAU SHELLY A & DAVID W (S/R)	13-8-29
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINBEAU SHELLY A & DAVID W (S)	13-8-27
3	NARRISH KEVIN (S)	13-8-30
4	SAMPSON EDITH VIRGINIA EST (S)	13-7-19
5	BONACCI BRIAN F (S)	13-3-5.1
6	COULLING LOUISE S ET AL (S)	13-3-3
7	OHIO COUNTY COAL RESOURCES INC (S)	13-3-3.1
8	GEHO STANLEY R & BETH B (S)	13-4-22.16
9	GEHO STANLEY R & BETH B (S)	13-4-22.7
10	MCGUIRE PHILIP C (S)	13-4-21.4
11	YOUNGER DONALD A & MOORE TERESA R (S)	13-2-94
12	DAY JOHN U EST & MERCER CHRISTINE (S)	13-2-95
13	CHAPPELEAR THOMAS C & PAULA A (S)	13-2-95.1
14	GARVIN CORRINE A EST (S)	13-2-97
15	GARVIN LEILA N & DONALD A (S)	13-2-96
16	GARVIN CORRINE A EST (S)	13-2-98
17	MERCER RICK (S)	13-2-81.1
18	RANSOM DONNA K & DAVID W - TRUSTS (S)	13-2-30.9
19	RANSOM DONNA K & DAVID W - TRUSTS (S)	13-2-30.2
20	RANSOM DONNA K & DAVID W - TRUSTS (S)	13-2-30.5
21	DOUGHERTY LOIS J (S)	13-2-30.8
22	DOUGHERTY KAREN E (S)	13-2-30.3
23	SCHLEPER DAVID J & LINDSEY B (S)	13-2-30.4
24	BURKE RICHARD & FITZPATRICK (S)	13-2-31.1
25	GARVIN CORRINE A EST (S)	13-2-38
26	POLLACK RICHARD J ET UX (S)	13-2-38.1
27	LAUTER FRANK ET AL (S)	13-2-36
28	SEIDLER E DALE JR (S)	13-2-14.9
29	SEIDLER PATRICIA L IRREVOCABLE (S)	13-2-14.7
30	WOLEN JOHN & MICHELLE (S)	13-2-102.3
31	BRAUNLICH EARL FRITZ & JAMIE (S)	13-2-102.4
32	RAHBAR AHMAD CREDIT SHELTER TRUST (S)	13-2-102
33	ANDREWS JANET M TRUSTEE (S)	1-RB2-32
34	POTTS JOHN W & ROSE A (S)	1-RB2-31.2
35	ASBURY RYAN & ANNE (S)	1-RB2-31.5
36	MORGAN LEE ANN (S)	1-RB2-31.12

05/06/2022

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	47-051-02431	3H
	DISTRICT:	UNION	COUNTY: MARSHALL
			STATE: WV
			DATE: 04-05-2022
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

TRACT	SURFACE OWNER	TAX PARCEL
A	REINBEAU RONALD W & FRIEDE A - LIFE	13-7-22.2
B	MCCOMBS JOHN A SR & MARILYN S	13-7-22.1
C	REINBEAU DAVID W & SHELLY A	13-7-22.3
D	REINBEAU DAVID W & SHELLY A	13-7-21.1
E	BOWMAN MICHAEL ET UX	13-8-28
F	BOWMAN MICHAEL J & CONSTANCE G	13-7-21
G	ALEXANDER LORRAINE	13-7-20
H	ALEXANDER LORRAINE	13-7-18.1
I	ALEXANDER LORRAINE	13-7-18
J	WARD CYNTHIA J & DALE P	13-4-23.6
K	WEST VALIE JAMES ET AL	13-4-22
L	BRINKMEIER BRUCE & TAMARA	13-4-22.14
M	BRINKMEIER BRUCE & TAMARA	13-4-22.15
N	WALTON EARL RICHARD JR & BRANDICE C	13-4-22.21
O	WALTON EARL RICHARD JR & BRANDICE C	13-4-22.23
P	GAMES FRED & MARY V	13-4-22.19
Q	GAMES FRED & MARY V	13-4-22.18
R	GAMES MARY VIRGINIA - TOD	13-4-22.22
S	WALTON EARL RICHARD JR & BRANDICE C	13-4-22.20
T	WEST VALIE JAMES ET AL	13-4-22
U	HILL CAROL LYNN & FORDYCE BRIAN W	13-4-22.8
V	MANNING JOHN B & KIMBERLY R	13-4-22.13
W	GAMES FRED & MARY V	13-4-22.17
X	GAMES MARY VIRGINIA - TOD	13-4-22.25
Y	MCGUIRE PHILIP C	13-4-21.9
Z	GARVIN CORRINE A EST	13-2-101
A2	GARVIN CORRINE A EST	13-2-100
B2	GARVIN CORRINE A EST	13-2-99
C2	GARVIN CORRINE A EST	13-2-70
D2	GARVIN CORRINE A EST	13-2-71
E2	MUSTACHIO EMILY A & GARVIN GRANT W	13-2-72
F2	GARVIN JOHN A & KAREN L	13-2-73
G2	GARVIN DOROTHY MAE EST	13-2-81
H2	GARVIN JOHN	13-2-81.2
I2	RANSOM DAVID W & DONNA K	13-2-80
J2	MILLER GEORGE W ET AL	13-2-79
K2	BURKE RICHARD & FITZPATRICK DEBRA	13-2-31.2
L2	GARVIN CORRINE A EST	13-2-68
M2	ST MYERS MICHAEL W	13-2-67
N2	ROGERSON GEORGE C EST	13-2-39
O2	SEIDLER E DALE JR ET UX	13-2-14.3
P2	COFFIELD RONALD J	13-2-39.3
Q2	COFFIELD RONALD J	13-2-39.5
R2	SEIDLER NETTIE	13-2-14
S2	SEIDLER TIMOTHY I ET UX	13-2-14.2
T2	BLATT JAMES E ET UX	13-2-42.7
U2	MAGERS GARY E ET UX	13-2-2.2
V2	SHIVELY JOYCE	13-2-14.6
W2	NUGENT LINDA S ET AL	13-2-14.8
X2	RAHBAR AHMAD CREDIT, SHELTER TRUST	13-2-102
Y2	BANE RYAN A & JULIE A	13-2-102.2
Z2	BRAUNLICH EARL FRITZ & JAMIE	13-2-101
A3	TURNER JASON & TIFFANY	13-2-102.1
B3	WEISNER RANDY P	1-RB2-33.3
C3	FEDERAL NATIONAL MORTGAGE ASSOCIATION	1-RB2-32.3
D3	PRASCIK LORI JEAN	1-RB2Q-33
E3	MULARCIC BRYAN & TIFFANY	1-RB2Q-32
F3	SHREVES HOLLIE L	1-RB2Q-31.1
G3	KNORR WILLIAM JOHN & KNORR ELIZABETH VIRGINIA	1-RB2L-81.1
H3	NEIMAN CHARLES AND MARK	1-RB2L-81
I3	ANDREWS JEREMY	1-RB2-32.1
J3	PAULEY SCOTT F & EHEMANN CHRISTINA	1-RB2L-74
K3	SCHMIDT THOMAS	1-RB2-2B
L3	RICHTER ELWOOD F JR	1-RB2M-56
M3	RICHTER ELWOOD F & CHRISTINE M	1-RB2-31.6
N3	MUSAP SASHA DAVID & MITEVSKI VERA	1-RB2M-30
O3	MUSAP SASHA DAVID & MITEVSKI VERA	1-RB2M-29
P3	MORGAN CARL WILLIAM	1-RB2M-39
Q3	MORGAN CARL WILLIAM	1-RB2M-31.9
R3	TRABERT TERRY W & B J	1-RB2M-31
S3	CONNER ERNEST & PHYLLIS	1-RB2M-38
T3	DICOCCO JACK M & M E	1-RB2M-47
U3	DICOCCO JACK M & M E	1-RB2M-48

TRACT	SURFACE OWNER	TAX PARCEL
V3	TRABERT TIMOTHY LEE	1-RB2M-49
W3	TRABERT TIMOTHY LEE	1-RB2M-50
X3	BALLER ROSE MARY SPROWLS DAVID W	1-RB2M-51
Y3	BALLER ROSE MARY SPROWLS DAVID W	1-RB2M-31.8
Z3	GILLIGAN SHELLEY	1-RB2M-31.7
A4	GILLIGAN SHELLEY	1-RB2M-31.1
B4	KURKO BRIAN S & JACLYN E	1-RB2M-37
C4	HAHLE ELEANOR T (LE); GUY ROBERT D; GUY CHERYL H	1-RB2M-31.10
D4	HAHLE ELEANOR T (LE); GUY ROBERT D; GUY CHERYL H	1-RB2M-31.11
E4	SHOWALTER BRIAN & BETH	1-RB2M-52.1
F4	SHOWALTER BRIAN & BETH	1-RB2M-52
G4	GANTZER MICHAEL J & D M	1-RB2M-45
H4	WHEELING ANTENNA CO INC C/O COMCAST CORPORATION	1-RB2M-46
I4	WHEELING ANTENNA CO C/O COMCAST CORPORATION	1-RB2-26
J4	GALE JAMES ASSET MGMT LLC	1-RB2-24.1
K4	POTTS PATRICK J	1-RB2-31.9
L4	POTTS JOHN W & ROSE A	1-RB2-31.8
M4	POTTS JOHN W & R A	1-RB2-31.1
N4	POTTS JOHN W & ROSE A	1-RB2-31.13
O4	C J RYAN NC	10-W95-109
P4	RENFORTH GEORGE III	13-2-16.2
Q4	PERONI CONSTRUCTION INC	10-W95-112
R4	LONG RICHARD E ET UX	13-2-35
S4	LONG RICHARD E ET UX	13-2-37
T4	LONG RICHARD E ET UX	13-2-32
U4	WALKER MICHAEL A	13-2-31
V4	DOUGHERTY MICHAEL C	13-2-30.7
W4	INGRAM ROBERT HOWARD III ET UX	13-2-30.6
X4	DOUGHERTY MICHAEL C	13-2-30.10
Y4	LONG RICHARD E ET UX	13-2-34
Z4	WILLIS CHARLES ROBERT ET AL	13-2-29
A5	HANKET COURTNEY T	13-2-30.11
B5	DOUGHERTY LOIS J	13-2-30.1
C5	DOUGHERTY LOIS J	13-2-30.14
D5	HANKET COURTNEY T	13-2-30.11
E5	RANSOM DONNA K & DAVID W	13-2-30.12
F5	MERCER RICK	13-2-82.1
G5	MERCER RICK	13-2-82.2
H5	BILINSKY HARRY EST & PALMER JOSEPH J	13-2-82
I5	MERCER RICK W	13-2-83
J5	STOEHR JOHN ROBERT ET UX	13-2-83.1
K5	REDD JOHN N ET UX	13-2-84
L5	GARVIN JOHN ARTHUR	13-2-85
M5	DENNING MICHAEL J ET UX	13-2-86
N5	HENRY VICTORIA A	13-2-86.1
O5	HENRY VICTORIA A	13-2-86.2
P5	FLANAGAN JAMES A & BETY S	13-2-94.2
Q5	YOUNGER DONALD A & MOORE TERESA R	13-2-94.4
R5	YOUNGER DONALD A & MOORE TERESA R	13-2-94.6
S5	YOUNGER DONALD A & MOORE TERESA R	13-2-94.3
T5	BANE RYAN	13-2-93
U5	WIEDEBUSCH ROBERT & CINDY	13-2-93.1
V5	WIEDEBUSCH ROBERT & CINDY	13-2-91
W5	GALIGHAN MICHAEL WM	13-2-90.1
X5	GAUGHAN MICHAEL W ET UX	13-2-90
Y5	ABEL JAMES R & SHERI L	13-2-89
Z5	ISER RONALD J ET UX	13-2-88
A6	WHITE HORSE FARM LLC	13-3-2
B6	COULLING LOUISE S ET AL	13-3-5.3
C6	COULLING LOUISE S	13-3-5
D6	DAWSON THOMAS A ET AL	12-13-21.1
E6	MCADAMS ROBERT E & JODY L	12-13-27.1
F6	MATTUCCI MARK A	12-16-28
G6	MAAS BRIAN J & AMY C - TRUST	13-3-8
H6	MAAS BRIAN J & AMY C - TRUST	13-3-10
I6	HART JOHN J & RENEE A	13-3-11
J6	BONACCI FRANK A	13-3-5.5
K6	SOUTH CHRISTOPHER C	13-8-31
L6	KOSTELECKY JOSEPH J JR & CAROLYN - TOD	13-8-31.1
M6	FUNK CHARLES D ET UX	13-8-32
N6	LOY EUGENE EST ET AL	13-8-1
O6	LIBERTY JOHN ET UX	13-8-10
P6	MCCOMBS JOHN A SR, THOMAS E & BETH	13-8-11
Q6	MCCOMBS JOHN A SR, THOMAS E & BETH	13-8-26

05/06/2022

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	47-051-02431	3H
	DISTRICT:	UNION	COUNTY: MARSHALL
			STATE: WV
			DATE: 04-05-2022
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 5

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Exhibit "A"				

*Co-tenancy utilization - At least 7 mineral owners in tract and at least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-tenancy Modernization and Majority Protection Act.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: SWN Production Company, LLC
 By: *Bailey Bronger*
 Its: Senior Landman

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator
David Reinbeau MSH 3H
Marshall Ohio Counties, West Virginia

#	TMP	LESSOR	LESSEE	ROYALTY	BK/PG	% Interest Not Leased/Owned by SWN
✓ 1)	13-0008-0029-0000	Shelly A. Reinbeau and David W. Reinbeau, her husband, joint tenants, with right of survivorship	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	688/424 33/110	0.00%
✓ 2)	13-0008-0027-0000	Shelly A. Reinbeau and David W. Reinbeau, her husband, joint tenants, with right of survivorship	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	688/424 33/110	0.00%
✓ 3)	13-0008-0030-0000	Thomas P. Zahnow and Holly J. Zahnow, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	697/101 33/110	0.00%
✓ 4)	13-0007-0019-0000	Hayhurst Company, a Florida Partnership	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	17.00%	715/419 33/110	0.00%
✓ 5)	13-0003-0005-0001	Orville Young L.L.C.	SWN Production Company, LLC	18.00%	868/394	0.00%
		Brian F. Bonacci, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	764/390 33/110	
		Frank A. Bonacci, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	764/396 33/110	
✓ 6)	13-0003-0003-0000	Orville Young L.L.C.	SWN Production Company, LLC	18.00%	868/394	0.00%
		Louise S. Coulling, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	767/445 33/110	
		Heidi Bruhn, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	767/455 33/110	
		Mary Schenk Hamilton and Gary P. Hamilton, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	767/466 33/110	
		Karen Schenk Sligar and Terry B. Sligar, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	768/203 33/110	
		White Horse Farm, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	771/373 33/110	
		Frank A. Bonacci, a married man dealing in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	782/385 33/110	
		Brian F. Bonacci, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	782/393 33/110	
✓ 7)	13-0003-0003-0001	SWN Production Company, LLC (Company Owned Minerals)		12.50%	1128/370 (Mineral Deed)	0.00%

05/06/2022

8)	13-0004-0022-0016	James Riley West and Phyllis Jean West, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	676/329 33/110	0.00%
		Fred Games and Mary Virginia Games, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	676/334 33/110	
9)	13-0004-0022-0007	James Riley West, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	721/375 33/110	0.00%
10)	13-0004-0021-0004	Phillip C. McGuire and Janice R. McGuire, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	834/193 33/110	0.00%
11)	13-0002-0094-0000	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
		Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
		Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
		Lella Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
		Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
		Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	
		Phillip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110	
		Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110	
12)	13-0002-0095-0000	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
		Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
		Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
		Lella Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
		Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
		Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	

Philip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110
Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110

13) 13-0002-0095-0001	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
	Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
	Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
	Lelia Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
	Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
	Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	
	Philip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110	
	Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110	

14) 13-0002-0097-0000	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
	Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
	Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
	Lelia Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
	Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
	Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	
	Philip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110	

	Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110	
15) 13-0002-0096-0000	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
	Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
	Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
	Leila Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
	Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
	Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	
	Philip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110	
	Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110	
16) 13-0002-0098-0000	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
	Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
	Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
	Leila Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
	Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
	Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	
	Philip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110	
	Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110	

17)	13-0002-0081-0001	John Arthur Garvin and Karen L. Garvin, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/598 33/110	0.00%
		Calvin Carter Garvin, a married man doing business in his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	682/118 33/110	
		Hadden Paul Garvin, Jr., single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	681/119 33/110	
		Lella Catherine Garvin Linder, aka Catherine Linder, and Dr. Steven Linder, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/269 33/110	
		Heather Blackmar, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/635 33/110	
		Gary W. Garvin, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	691/646 33/110	
		Philip Spencer Bowen, Jr., widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	799/641 33/110	
		Donald Alexander Garvin, widower	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.75%	710/34 33/110	
18)	13-0002-0030-0009	Donna K. Ransom and David W. Ransom, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	699/417 33/110	0.00%
19)	13-0002-0030-0002	Donna Kay Ransom, s/k/a Donna K. Ransom, and David W. Ransom, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	701/346 33/110	0.00%
20)	13-0002-0030-0005	Donna Kay Ransom, s/k/a Donna K. Ransom, and David W. Ransom, her husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	701/346 33/110	0.00%
21)	13-0002-0030-0008	Lois J. Dougherty and Frederick A. Dougherty, wife and husband	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	677/211 33/110	0.00%
22)	13-0002-0030-0003	Wayne T. Dougherty and Karen E. Dougherty, his wife	TriEnergy Holdings, LLC NPAR, LLC Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	16.00%	694/264 23/80 756/332 30/532 33/110	0.00%
23)	13-0002-0030-0004	Robert H. Ingram, III and Lisa Ann Ingram, f/k/a Lisa Ann Dougherty, his wife	TriEnergy Holdings, LLC NPAR, LLC Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	16.00%	696/166 23/80 756/332 30/532 33/110	0.00%

24)	13-0002-0031-0001	Royalty Owner	n/a	n/a	n/a	23.94%
		Jason M. Studebaker, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	685/161 33/110	
		Jessica D. Studebaker, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	684/272 33/110	
		Mark Anthony Knudson and Cynthia A. Knudson, husband and wife	SWN Production Company, LLC	15.00%	1108/228	
		Jean Marie Golde and Jim Rodney Golde, wife and husband	SWN Production Company, LLC	15.00%	1111/169	
		Leah Christine Lenarz, f/k/a Leah Christine Johnson, and John Raymond Lenarz, wife and husband	SWN Production Company, LLC	15.00%	1111/176	
		David James Knudson, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1111/190	
		Leroy Walter Glessing, a widower and not remarried	SWN Production Company, LLC	15.00%	1111/162	
		Rachel A. Dymoke, f/k/a Rachel A. Johnson, and Scott Edward Dymoke, wife and husband	SWN Production Company, LLC	15.00%	1111/183	
		Michael H. Weston and JoAnna P. Weston, husband and wife	SWN Production Company, LLC	15.00%	1113/22	
		Gary L. Kinkade and Kathryn F. Kinkade, husband and wife	SWN Production Company, LLC	15.00%	1113/29	
		Richard S. Kinkade and LaRene Kinkade, husband and wife	SWN Production Company, LLC	15.00%	1114/566	
		Noel Lynn Denny f/k/a Noel Lynn Glessing and James L. Denny a/k/a Jim L. Denny, wife and husband	SWN Production Company, LLC	15.00%	1131/8	
		Brian D. Glessing and Shari Gwen Glessing, husband and wife	SWN Production Company, LLC	15.00%	1129/647	
		Nell Leroy Glessing and Kathleen Ann Glessing, husband and wife	SWN Production Company, LLC	15.00%	1129/654	
		Debra L. Gorman a/k/a Debra Gorman f/k/a Debra L. Schweitzer	SWN Production Company, LLC	15.00%	1131/483	
		Daniel Jason Meyer and Sarah B. Meyer, husband and wife	SWN Production Company, LLC	15.00%	1130/274	
		North Dakota Community Foundation, a North Dakota non-profit corporation	SWN Production Company, LLC	18.00%	1128/67	
		Candace Joan Daigle, f/k/a Candace Joan Thornberg, and Geoffrey R. Daigle, wife and husband	SWN Production Company, LLC	15.00%	1129/68	
		Nicholas Sean Meyer, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1131/1	

Susan Linda Mericle, f/k/a Susan Hutchison, f/k/a Susan Thornberg, and Jerry E. Mericle, wife and husband	SWN Production Company, LLC	15.00%	1129/675
Jeremy Ronald Wayne Meyer, a widower and not remarried	SWN Production Company, LLC	15.00%	1130/288
Kimberly Marie Stone, f/k/a Kimberly Marie Meyer, a widow and not remarried	SWN Production Company, LLC	15.00%	1129/682
Jane Elizabeth Swanson, f/k/a Jane Elizabeth Thornberg, and Craig A. Swanson, wife and husband	SWN Production Company, LLC	15.00%	1129/61
David Leroy Thornberg, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1129/640
Daniel Willard Thornberg, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1130/281
Robert Russell Thornberg, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1129/633
Sheryl Joyce Thornberg, a single woman	SWN Production Company, LLC	15.00%	1129/661
Danielle Marie Vichique, f/k/a Danielle Marie Meyer, a divorced woman and not remarried	SWN Production Company, LLC	15.00%	1133/1
Steven Lloyd Thornberg, a divorced man and not remarried	SWN Production Company, LLC	15.00%	1129/668

25) 13-0002-0038-0000	Royalty Owner	n/a	n/a	n/a	23.94%
	Richard J. Pollack and Marybeth Pollack, a/k/a Mary Beth Pollack, husband and wife	SWN Production Company, LLC	18.00%	1099/410	
	Leroy Walter Glessing, a widower and not remarried	SWN Production Company, LLC	15.00%	1111/162	
	David James Knudson, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1111/190	
	Jean Marie Golde and Jim Rodney Golde, wife and husband	SWN Production Company, LLC	15.00%	1111/169	
	Mark Anthony Knudson and Cynthia A. Knudson, husband and wife	SWN Production Company, LLC	15.00%	1108/228	
	Rachel A. Dymoke, f/k/a Rachel A. Johnson, and Scott Edward Dymoke, wife and husband	SWN Production Company, LLC	15.00%	1111/183	
	Leah Christine Lenarz, f/k/a Leah Christine Johnson, and John Raymond Lenarz, wife and husband	SWN Production Company, LLC	15.00%	1111/176	
	Richard S. Kinkade and LaRene Kinkade, husband and wife	SWN Production Company, LLC	15.00%	1114/566	
	Gary L. Kinkade and Kathryn F. Kinkade, husband and wife	SWN Production Company, LLC	15.00%	1113/29	

Michael H. Weston and JoAnna P. Weston, husband and wife	SWN Production Company, LLC	15.00%	1113/22
Candace Joan Daigle, f/k/a Candace Joan Thornberg, and Geoffrey R. Daigle, wife and husband	SWN Production Company, LLC	15.00%	1129/68
Noel Lynn Denny f/k/a Noel Lynn Glessing and James L. Denny a/k/a Jim L. Denny, wife and husband	SWN Production Company, LLC	15.00%	1131/8
Brian D. Glessing and Shari Gwen Glessing, husband and wife	SWN Production Company, LLC	15.00%	1129/647
Neil Leroy Glessing and Kathleen Ann Glessing, husband and wife	SWN Production Company, LLC	15.00%	1129/654
Nicholas Sean Meyer, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1131/1
Debra L. Gorman a/k/a Debra Gorman f/k/a Debra L. Schweitzer	SWN Production Company, LLC	15.00%	1131/483
Daniel Jason Meyer and Sarah B. Meyer, husband and wife	SWN Production Company, LLC	15.00%	1130/274
Susan Linda Mericle, f/k/a Susan Hutchison, f/k/a Susan Thornberg, and Jerry E. Mericle, wife and husband	SWN Production Company, LLC	15.00%	1129/675
Jeremy Ronald Wayne Meyer, a widower and not remarried	SWN Production Company, LLC	15.00%	1130/288
North Dakota Community Foundation, a North Dakota non-profit corporation	SWN Production Company, LLC	18.00%	1128/67
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Jane Elizabeth Swanson, f/k/a Jane Elizabeth Thornberg, and Craig A. Swanson, wife and husband	SWN Production Company, LLC	15.00%	1129/61
David Leroy Thornberg, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1129/640
Daniel Willard Thornberg, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1130/281
Robert Russell Thornberg, a married man dealing in his sole and separate property	SWN Production Company, LLC	15.00%	1129/633
Sheryl Joyce Thornberg, a single woman	SWN Production Company, LLC	15.00%	1129/661
Danielle Marie Vichique, f/k/a Danielle Marie Meyer, a divorced woman and not remarried	SWN Production Company, LLC	15.00%	1133/1
Steven Lloyd Thornberg, a divorced man and not remarried	SWN Production Company, LLC	15.00%	1129/668

26)	13-0002-0035-0001	Richard J. Pollack and Marybeth Pollack, a/k/a Mary Beth Pollack, husband and wife	SWN Production Company, LLC	18.00%	1089/410	0.00%
27)	13-0002-0036-0000	Royalty Owner	n/a	n/a	n/a	15.67%
		Karen A. Joseph, a married woman dealing in her sole and separate property (Life Estate Interest)	American Petroleum Partners Operating, LLC SWN Production Company, LLC	17.00%	1057/568 45/381	
		Leslie Kaye Lawson, a married woman dealing in her sole and separate property (Remaindermen Interest)	American Petroleum Partners Operating, LLC SWN Production Company, LLC	17.00%	1057/576 45/381	
		Dale Williston Minerals 2012-B, LP, a Texas limited partnership, by and through its general partner, Dale Minerals Management 2012, LLC, a Texas limited liability company	SWN Production Company, LLC	18.00%	1124/326	
		Dale/Peregrine Minerals Fund, LP, a Delaware limited partnership, by and through its general partner, Dale Minerals Management 2012, LLC, a Texas limited liability company	SWN Production Company, LLC	18.00%	1124/320	
		Paul D. Lautar and Judy B. Lautar, husband and wife	SWN Production Company, LLC	18.00%	1128/308	
		Ellen G. Miller f/k/a Ellen Gall, a married woman dealing in her sole and separate property	SWN Production Company, LLC	18.00%	1131/22	
		Janet Gall Murray, f/k/a Janet Gall, a divorced woman and not remarried	SWN Production Company, LLC	18.00%	1131/15	
		Leslie Gall Underdonk, f/k/a Leslie Gall Wood, and Charles Allen Underdonk, wife and husband	SWN Production Company, LLC	18.00%	1130/267	
28)	13-0002-0014-0009	Nettie Seidler, a widow	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	923/546 45/381	0.00%
29)	13-0002-0014-0007	Patricia L. Seidler, a widow	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	915/10 45/381	0.00%
30)	13-0002-0102-0003	Ahmad Rahbar Credit Shelter Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.75%	924/229 45/381	0.00%
31)	13-0002-0102-0004	Ahmad Rahbar Credit Shelter Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.75%	924/229 45/381	0.00%
32)	13-0002-0102-0000	Ahmad Rahbar Credit Shelter Trust	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.75%	924/229 45/381	0.00%
33)	01-ORB2-0032-0000	Janet M. Andrews, Trustee of the Janet M. Andrews Irrevocable Trust, dated October 17, 2011	American Petroleum Partners Operating, LLC SWN Production Company, LLC	18.00%	931/228 980/572	0.00%
34)	01-ORB2-0031-0002	Potts Partnership, a West Virginia general partnership, by John W. Potts, Partner, and Patrick Joseph Potts, Partner	SWN Production Company, LLC	18.00%	996/670	0.00%
35)	01-ORB2-0031-0005	Ryan Asbury and Anne-Julie Asbury, husband and wife	SWN Production Company, LLC	18.00%	996/665	0.00%

36)	01-ORB2-0031-0012	Lee Ann Morgan f/k/a Lee Ann Skedel, a divorced woman and not remarried	SWN Production Company, LLC	18.00%	993/6	0.00%
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*At least 7 mineral owners in tract and at least 75% of the royalty owners have consented to the lawful use or development of the oil or natural gas mineral property on the tract. The interests of the remaining co-tenants will be secured pursuant to the Co-Tenancy Modernization and Majority Protection Act.

Supplemental

April 14, 2022

Mr. Charles Brewer
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Proposed Expedited Modification: David Reinbeau MSH 3H

Dear Mr. Brewer:

Enclosed please find the required documents to modify this well. We would like to extend the lateral. This well is situated on the Reinbeau's property, in Union District, Marshall County, West Virginia.

Enclosed you will find:

- 6B
- WBD
- Mylar
- New Leases

CK#
0001065258
\$ 5000⁰⁰
4/12/22

If you have any questions or desire additional information, please me at 304-884-1613

Thank you.

Sincerely,

Brittany Woody

Brittany Woody
Senior Regulatory Analyst
Southwestern Energy Production Company, LLC

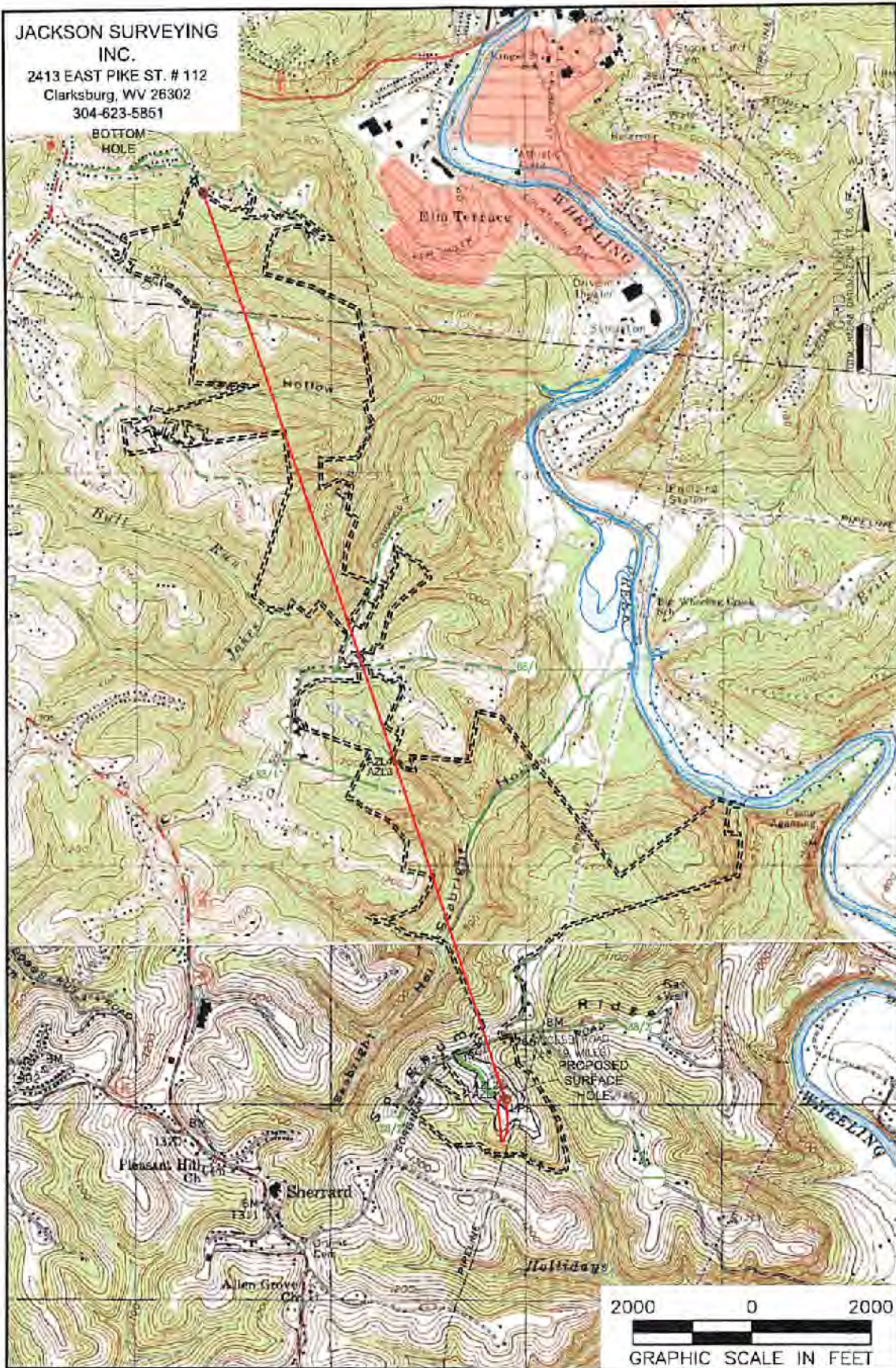
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Office of Oil and Gas
APR 15 2022
WV Department of
Environmental Protection

Extend Lateral:
Total Vertical Depth
6356' to 6349'

Total 14223' to 22789'
Measured
Depth
Horiz Leg Length 7471.44
to
15706.89'

$\frac{R}{A} \rightarrow V^+$

**JACKSON SURVEYING
INC.**
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD EDITIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INCHES ARE CIVIL NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ACCESS ROAD
- PUBLIC ROAD
- EXISTING / PROCEEDING WELLHEAD
- ACCESS ROAD TO PREV SITE
- LEASE BOUNDARY
- PROPOSED PATH
- LPLX LANDING POINT LOCATION
- FLOOD PLAIN

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC
ADDRESS:
1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508
SURFACE OWNER:
SHELLY A. & DAVID W. REINBEAU

WELL (FARM) NAME: DAVID REINBEAU MSH	WELL # 3H	SERIAL #
COUNTY - CODE MARSHALL - 051	DISTRICT; UNION	
USGS 7 1/2 QUADRANGLE MAP NAME MOUNDSVILLE, WV		

05/06/2022

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: SWN Production Co., LLC 494512924 051-MARsha 07-Union 486-Moundsville
Operator ID County District Quadrangle

2) Operator's Well Number: David Reinbeau MSH 3H Well Pad Name: David Reinbeau MSH

3) Farm Name/Surface Owner: Shelly A & David W. Reinbeau Public Road Access: Sorghum Ridge Road

4) Elevation, current ground: 1251' Elevation, proposed post-construction: 1251'

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b)If Gas Shallow Deep _____

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 6314', Target Base TVD- 6367', Anticipated Thickness- 53', Associated Pressure- 4139

8) Proposed Total Vertical Depth: 6349'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 22789'

11) Proposed Horizontal Leg Length: 15706.89

12) Approximate Fresh Water Strata Depths: 426'

13) Method to Determine Fresh Water Depths: Deepest nearby water well

14) Approximate Saltwater Depths: 883' Salinity Profile

15) Approximate Coal Seam Depths: 765'

16) Approximate Depth to Possible Void (coal mine, karst, other): None that we are aware of.

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: Ohio Count Mine
Depth: 765'
Seam: Pittsburgh
Owner: American Consolidated Natural Resources

VOID

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	126'	126'	CTS
Fresh Water	13 3/8"	New	H-40	48#	506'	506'	541 sx/CTS
Coal	See	Interm	Casing				
Intermediate	9 5/8"	New	J-55	36#	2080'	2080'	982 sx/CTS
Production	5 1/2"	New	P-110 HP	20#	22789'	22789'	Tail 7432sx' 100' inside Intermediate
Tubing							
Liners							



TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.20/30% Excess
Fresh Water	13 3/8"	17.5"	0.380	2730	633	Class A	1.20/30% Excess
Coal	See	Interm	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/40% Excess
Production	5 1/2"	8 3/4"-8 1/2"	0.361	14360	10500	Class A	1.19/5% Excess
Tubing							
Liners							

PACKERS

VOID

Kind:				
Sizes:				
Depths Set:				

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping Stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production units, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 12,500 @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 18.42

22) Area to be disturbed for well pad only, less access road (acres): 10.4

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment ***

VOID

25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

*Note: Attach additional sheets as needed.

Southwestern Energy Company

Proposed Drilling Program

Well: DAVID REINBEAU MSH 3
 Field: NORTH VICTORY FIELD WET
 County: MARSHALL
 SHL: 39.9929 Latitude -80.6614 Longitude
 BHL: 40.0344 Latitude -80.6792 Longitude
 KB Elev: 1,277 ft MSL

Re-entry Rig: TBD
 Prospect: Marcellus Shale
 State: WV
 KB: 26 ft AGL
 GL Elev: 1,251 ft MSL



No COAL VOID Anticipated

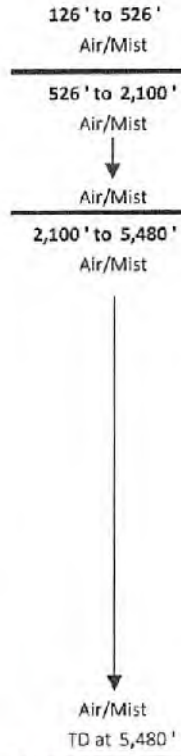
Gas Storage Interval: N/A
 PROD TOC Lead @ 2,300' MD
 PROD TOC Tail @ 5,380' MD

TUBULAR DETAIL

Casing String	Casing Size (in)	Weight (Min)	Grade (Min)	Planned Interval	
				From	To
Conductor	20	94.0 #	J-55	0'	126'
Surface	13.375	48.0 #	H-40	0'	506'
Intm/Coal	9.625	36.0 #	J-55	0'	2,080'
Production	5.5	20.0 #	P-110 HP	0'	22,789'

CEMENT DETAIL

	Sacks	Class	Density
Conductor:	151	A	19.3
Surface:	541	A	15.6
Intermediate:	982	A	15.6-16
Production:	7432	A	14.5-15.0



KOP at 5,480' MD

Freshwater Depth - 426' TVD
 Coal Depth - 765' TVD
 Saltwater Depth - 883' TVD
 TVD - 6,349'
 TMD - 22,789'

VOID



6,349' Target Center

TD at 22,789' MD
 6,158' TVD

EOB at 6,850' MD
 SHL Onondaga 6,367' TVD

Onondaga 6,176' TVD

Created by: C R Hall on 04/07/2022

Latitude: 40°00'00"

SURFACE HOLE 10,203'

JACKSON SURVEYING INC. 2413 EAST PIKE ST. # 112 Clarksburg, WV 26302 304-623-5851

Latitude: 40°02'30" BOTTOM HOLE

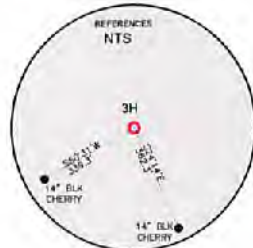
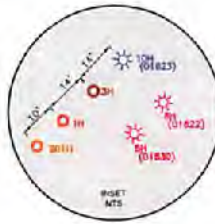
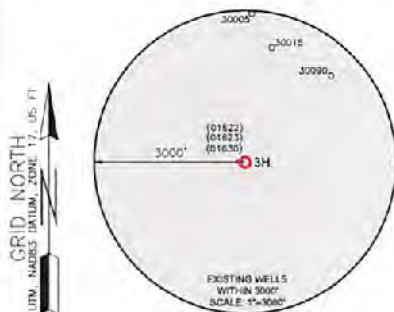
3,658'

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,018.725 EASTING: 528,904.237 LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,019.133 EASTING: 528,894.096 AZIMUTH POINT LOCATION-1 (AZL1): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,033.846 EASTING: 528,890.155 AZIMUTH POINT LOCATION-2 (AZL2): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,080.036 EASTING: 528,876.399 AZIMUTH POINT LOCATION-3 (AZL3): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,734.188 EASTING: 528,333.720 AZIMUTH POINT LOCATION-4 (AZL4): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,738.934 EASTING: 528,332.150 BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,628.410 EASTING: 527,366.466

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains survey data for lines L1 through L5.



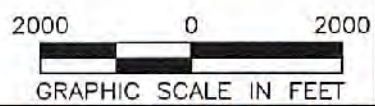
Longitude: 80°37'30" SURFACE HOLE 2604'



- WELL RESTRICTIONS: 1. NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD. 2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD. 3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL. 4. NO PERSONAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE. 5. NO NATURALLY PRODUCING "ROOT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE. 6. NO GROUND INTAKE OF PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

- NOTES ON SURVEY: 1. SURFACE AND ROYALTY OWNER INFORMATION AND "DIP" BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS. 2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. 3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION. P.S. 708 David L Jackson



COMPANY: SWN Production Company, LLC SWN Production Company, LLC

STATE OF WEST VIRGINIA (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

DAVID REINBEAU MSH OPERATOR'S WELL #: 3H API WELL #: 47 051 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW WATERSHED: HOLLIDAYS RUN OF WHEELING CREEK (HUC-10) DISTRICT: UNION COUNTY: MARSHALL SURFACE OWNER: SHELLY A. & DAVID W. REINBEAU OIL & GAS ROYALTY OWNER: SHELLY A. & DAVID W. REINBEAU DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION CONVERT PLUG & ABANDON CLEAN OUT & REFLUG OTHER CHANGE (SPECIFY) TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,349 TVD 22,789 TWD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH

REVISIONS: DATE: 04-05-2022 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson

VOID

RECEIVED
 Office of Oil and Gas

APR 14 2022

WV Department of
 Environmental Protection

REVISIONS:	COMPANY:		
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	3H	
	DISTRICT:	COUNTY:	STATE:
	UNION:	MARSHALL	WV
			DATE: 04-05-2022
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT

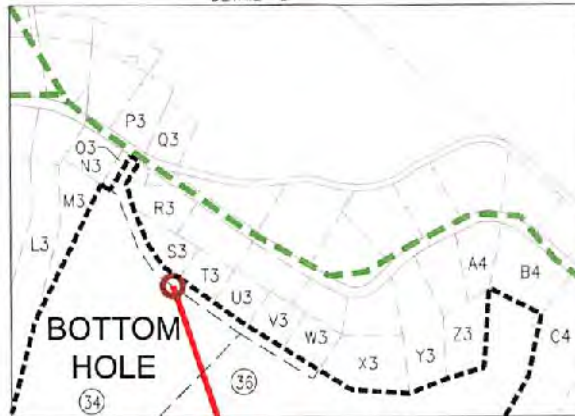
05/06/2022

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

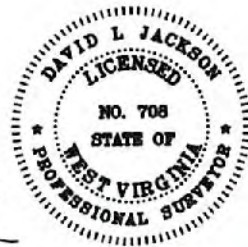
DETAIL "A"



DETAIL "B"



VOID



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson

REVISIONS:	COMPANY:		
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	3H	
	DISTRICT:	COUNTY:	STATE:
	UNION	MARSHALL	WV
		DATE:	04-05-2022
		DRAWN BY:	N. MANO
		SCALE:	N/A
		DRAWING NO.:	
		WELL LOCATION PLAT:	

RECEIVED
 Office of Oil and Gas

APR 14 2022



WV Department of
 Environmental Protection

05/06/2022

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	REINBEAU SHELLY A & DAVID W (S/R)	13-5-29
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINBEAU SHELLY A & DAVID W (S)	13-8-27
3	NARRISH KEVIN (S)	13-8-30
4	SAMPSON EDITH VIRGINIA EST (S)	13-7-19
5	BONACCI BRAN F (S)	13-3-5.1
6	COULLING LOUISE S ET AL (S)	13-3-3
7	OHIO COUNTY COAL RESOURCES INC (S)	13-3-3.1
8	GENO STANLEY R & BETH B (S)	13-4-22.86
9	GENO STANLEY R & BETH B (S)	13-4-22.7
10	MCGUIRE PHILIP C (S)	13-4-23.4
11	YOUNGER DONALD A & MOORE TERESA R (S)	13-2-94
12	DAY JOHN U EST & MERCER CHRISTINE (S)	13-2-95
13	CHAPPELEAR THOMAS C & PAULA A (S)	13-2-95.1
14	GARVIN CORRINE A EST (S)	13-2-97
15	GARVIN LEILA N & DONALD A (S)	13-2-96
16	GARVIN CORRINE A EST (S)	13-2-98
17	MERCER RICK (S)	13-2-81.1
18	RAN SCIM DONN A K & DAVID W -TRUSTS (S)	13-2-30.9
19	RAN SCIM DONN A K & DAVID W -TRUSTS (S)	13-2-30.2
20	RAN SCIM DONN A K & DAVID W -TRUSTS (S)	13-2-30.5
21	DOUGHERTY LOIS J (S)	13-2-30.8
22	DOUGHERTY KAREN E (S)	13-2-30.8
23	SCHUEPER DAVID J & LYNDSY B (S)	13-2-30.4
24	BURKE RICHARD & FITZPATRICK (S)	13-2-31.1
25	GARVIN CORRINE A EST (S)	13-2-38
26	PODLACK RICHARD J ET AL (S)	13-2-38.1
27	LAUTER FRANK ET AL (S)	13-2-36
28	SEIDLER DALE JR (S)	13-2-14.9
29	SEIDLER PATRICIA L IRREVOCABLE (S)	13-2-14.7
30	WOLEN JOHN & MICHELLE (S)	13-2-102.3
31	BRAUNLICH EARL FRITZ & JAMIE (S)	13-2-102.4
32	RAHBAH AHMAD CREDIT SHELTER TRUST (S)	13-2-102
33	ANDREWS JANET M TRUSTEE (S)	1-RB2-32
34	POTTS JOHN W & ROSE A (S)	1-RB2-31.2
35	ASBURY RYAN & ANNE (S)	1-RB2-31.5
36	MORGAN LEE ANN (S)	1-RB2-31.12

VOID

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	3H	
	DISTRICT:	COUNTY:	STATE:
	UNION:	MARSHALL	WV
			DATE: 04-05-2022
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT

RECEIVED
Office of Oil and Gas

APR 14 2022

WV Department of
Environmental Protection



05/06/2022

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	REINBEAU RONALD W & FRIEDA A - LIFE	13-7-22.2
B	MCCOMBS JOHN A SR & MARILYN S	13-7-22.1
C	REINBEAU DAVID W & SHELLY A	13-7-22.3
D	REINBEAU DAVID W & SHELLY A	13-7-21.1
E	BOWMAN MICHAEL ET UX	13-8-28
F	BOWMAN MICHAEL J & CONSTANCE G	13-7-21
G	ALEXANDER LORRAINE	13-7-20
H	ALEXANDER LORRAINE	13-7-18.1
I	ALEXANDER LORRAINE	13-7-18
J	WARD CYNTHIA J & DALE P	13-4-23.6
K	WEST VALLIE JAMES ET AL	13-4-22
L	BRINKMEIER BRUCE & TAMARA	13-4-22.14
M	BRINKMEIER BRUCE & TAMARA	13-4-22.15
N	WALTON EARL RICHARD JR & BRANDICE C	13-4-22.21
O	WALTON EARL RICHARD JR & BRANDICE C	13-4-22.23
P	GAMES FRED & MARY V	13-4-22.19
Q	GAMES FRED & MARY V	13-4-22.18
R	GAMES MARY VIRGINIA - TOD	13-4-22.22
S	WALTON EARL RICHARD JR & BRANDICE C	13-4-22.20
T	WEST VALLIE JAMES ET AL	13-4-22
U	HILL CAROL LYNN & FORDYCE BRIAN W	13-4-22.8
V	MANNING JOHN B & KIMBERLY R	13-4-22.13
W	GAMES FRED & MARY V	13-4-22.17
X	GAMES MARY VIRGINIA - TOD	13-4-22.25
Y	MCGUIRE PHILIP C	13-4-21.9
Z	GARVIN CORRINE A EST	13-2-101
A2	GARVIN CORRINE A EST	13-2-100
B2	GARVIN CORRINE A EST	13-2-99
C2	GARVIN CORRINE A EST	13-2-70
D2	GARVIN CORRINE A EST	13-2-71
E2	MUSTACHIO EMILY A & GARVIN GRANT W	13-2-72
F2	GARVIN JOHN A & KAREN L	13-2-73
G2	GARVIN DOROTHY MAE EST	13-2-81
H2	GARVIN JOHN	13-2-81.2
I2	RANSOM DAVID W & DONNA K	13-2-80
J2	MILLER GEORGE W ET AL	13-2-79
K2	BURKE RICHARD & FITZPATRICK DEBRA	13-2-31.2
L2	GARVIN CORRINE A EST	13-2-68
M2	ST MYERS MICHAEL W	13-2-67
N2	ROGERSON GEORGE C EST	13-2-39
O2	SEIDLER E DALE JR ET UX	13-2-14.3
P2	COFFIELD RONALD J	13-2-39.5
Q2	COFFIELD RONALD J	13-2-39.5
R2	SEIDLER NETTIE	13-2-14
S2	SEIDLER TIMOTHY J ET UX	13-2-14.2
T2	BLATT JAMES E ET UX	13-2-42.7
U2	MAGERS GARY E ET UX	13-2-2.2
V2	SHIVELY JOYCE	13-2-14.6
W2	NUGENT UNDA S ET AL	13-2-14.8
X2	RAHBAR AHMAD CREDIT, SHELTER TRUST	13-2-102
Y2	BANE RYAN A & JULIE A	13-2-102.2
Z2	BRAUNLICH EARL FRITZ & JAMIE	13-2-104
A3	TURNER JASON & TFFANY	13-2-102.1
B3	WEISNER RANDY P	1-RB2-33.3
C3	FEDERAL NATIONAL MORTGAGE ASSOCIATION	1-RB2-32.3
D3	PRASCIO LORI JEAN	1-RB2C-33
E3	MULARCIK BRYAN & TIFFANY	1-RB2C-32
F3	SHREVE'S HOLLIE L	1-RB2C-31.1
G3	KNORR WILLIAM JOHN & KNORR ELIZABETH VIRGINIA	1-RB2L-81.1
H3	NEIMAN CHARLES AND MARK	1-RB2L-81
I3	ANDREWS JEREMY	1-RB2-32.1
J3	PAULEY SCOTT F & EHEMANN CHRISTINA	1-RB2L-74
K3	SCHMIDT THOMAS	1-RB2-28
L3	RICHTER ELWOOD F JR	1-RB2M-56
M3	RICHTER ELWOOD F & CHRISTINE M	1-RB2-31.5
N3	MUSAP SASHA DAVID & MITEVSKI VERA	1-RB2M-30
O3	MUSAP SASHA DAVID & MITEVSKI VERA	1-RB2M-29
P3	MORGAN CARL WILLIAM	1-RB2M-39
Q3	MORGAN CARL WILLIAM	1-RB2M-31.9
R3	TRABERT TERRY W & B J	1-RB2M-31
S3	CONNOR ERNEST & PHYLLIS	1-RB2M-38
T3	DICOCCO JACK M & M E	1-RB2M-47
U3	DICOCCO JACK M & M E	1-RB2M-48

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
V3	TRABERT TIMOTHY LEE	1-RB2M-49
W3	TRABERT TIMOTHY LEE	1-RB2M-50
X3	BALLER ROSE MARY SPROWLS DAVID W	1-RB2M-51
Y3	BALLER ROSE MARY SPROWLS DAVID W	1-RB2M-31.8
Z3	GILLIGAN SHELLEY	1-RB2M-31.7
A4	GILLIGAN SHELLEY	1-RB2M-31.1
B4	KURKO BRIAN S & JACLYN E	1-RB2M-37
C4	HAHLE ELEANOR T (LE); GUY ROBERT D; GUY CHERYL H	1-RB2M-31.10
D4	HAHLE ELEANOR T (LE); GUY ROBERT D; GUY CHERYL H	1-RB2M-31.11
E4	SHOWALTER BRIAN & BETH	1-RB2M-52.1
F4	SHOWALTER BRIAN & BETH	1-RB2M-52
G4	GANTZER MICHAEL J & D M	1-RB2M-45
H4	WHEELING ANTENNA CO INC C/O COMCAST CORPORATION	1-RB2M-46
I4	WHEELING ANTENNA CO C/O COMCAST CORPORATION	1-RB2-26
J4	GALE JAMES ASSET MGMT LLC	1-RB2-24.1
K4	POTTS PATRICK J	1-RB2-31.9
L4	POTTS JOHN W & ROSE A	1-RB2-31.8
M4	POTTS JOHN W & R A	1-RB2-31.1
N4	POTTS JOHN W & ROSE A	1-RB2-31.13
O4	C J RYAN NC	10-W95-109
P4	RENFORTH GEORGE III	13-2-16.2
Q4	PERONI CONSTRUCTION INC	10-W95-112
R4	LONG RICHARD E ET UX	13-2-35
S4	LONG RICHARD E ET UX	13-2-37
T4	LONG RICHARD E ET UX	13-2-32
U4	WALKER MICHAEL A	13-2-31
V4	DOUGHERTY MICHAEL C	13-2-30.7
W4	INGRAM ROBERT HOWARD III ET UX	13-2-30.6
X4	DOUGHERTY MICHAEL C	13-2-30.10
Y4	LONG RICHARD E ET UX	13-2-34
Z4	WILLIS CHARLES ROBERT ET AL	13-2-29
A5	HANKET COURTNEY T	13-2-30.11
B5	DOUGHERTY LOIS J	13-2-30.1
C5	DOUGHERTY LOIS J	13-2-30.14
D5	HANKET COURTNEY T	13-2-30.11
E5	RANSOM DONNA K & DAVID W	13-2-30.12
F5	MERCER RICK	13-2-82.1
G5	MERCER RICK	13-2-82.2
H5	BILINSKY HARRY EST & PALMER JOSEPH J	13-2-82
I5	MERCER RICK W	13-2-83
J5	STOEHR JOHN ROBERT ET UX	13-2-83.1
K5	REDD JOHN N ET UX	13-2-84
L5	GARVIN JOHN ARTHUR	13-2-85
M5	DENNING MICHAEL J ET UX	13-2-86
N5	HENRY VICTORIA A	13-2-86.1
O5	HENRY VICTORIA A	13-2-86.2
P5	FLANAGAN JAMES A & BETY S	13-2-94.2
Q5	YOUNGER DONALD A & MOORE TERESA R	13-2-94.4
R5	YOUNGER DONALD A & MOORE TERESA R	13-2-94.6
S5	YOUNGER DONALD A & MOORE TERESA R	13-2-94.3
T5	BANE RYAN	13-2-93
U5	WIEDEBUSCH ROBERT & CINDY	13-2-93.1
V5	WIEDEBUSCH ROBERT & CINDY	13-2-91
W5	GALGHAN MICHAEL WM	13-2-90.1
X5	GALGHAN MICHAEL W ET UX	13-2-90
Y5	ABEL JAMES R & SHERI L	13-2-89
Z5	ISER RONALD J ET UX	13-2-88
A6	WHITE HORSE FARM LLC	13-2-2
B6	COULING LOUISE S ET AL	13-3-5.3
C6	COULING LOUISE S	13-3-5
D6	DAWSON THOMAS A ET AL	12-18-21.1
E6	MCADAMS ROBERT E & JODY L	12-18-27.1
F6	MATUCCI MARK A	12-18-28
G6	MAAS BRIAN J & AMY C - TRUST	13-3-8
H6	MAAS BRIAN J & AMY C - TRUST	13-3-10
I6	HART JOHN J & RENEE A	13-3-11
J6	BONACCI FRANK A	13-3-5.5
K6	SOUTH CHRISTOPHER C	13-8-31
L6	KOSTELECKY JOSEPH J JR & CAROLYN - TOD	13-8-31.1
M6	FUNK CHARLES D ET UX	13-8-32
N6	LOY EUGENE EST ET UX	13-8-1
O6	LIBERTY JOHN ET UX	13-8-10
P6	MCCOMBS JOHN A SR, THOMAS E & BETH	13-8-11
Q6	MCCOMBS JOHN A SR, THOMAS E & BETH	13-8-26

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DAVID REINBEAU MSH	
	WELL #:	3H	
	DISTRICT:	COUNTY:	STATE:
	UNION	MARSHALL	WV
			DATE: 04-05-2022
			DRAWN BY: N. MANO
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT

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Office of Oil and Gas

APR 14 2022

WV Department of
Environmental Protection

05/06/2022



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Modification Expedited Horizontal H6A Well Work Permit API: 47-051-02439)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, May 3, 2022 at 11:12 AM

To: Brittany Woody <Brittany_Woody@swn.com>, liz_gee@swn.com, Eric Buzzard <ebuzzard@marshallcountywv.org>, "Gayne J. Knitowski" <gayne.j.knitowski@wv.gov>, Strader C Gower <strader.c.gower@wv.gov>


I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-051-02439 - DAVID REINBEAU MSH 3H

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry**Environmental Resource Specialist 3****West Virginia Department of Environmental Protection****Office of Oil & Gas****601 57th St. SE****Charleston, WV 25304****(304) 926-0499 ext. 41115****(304) 926-0452 fax****Wade.A.Stansberry@wv.gov**

 **47-051-02439 - mod.pdf**
2044K**05/06/2022**