

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

API 47-051-02502 County MARSHALL District UNION  
 Quad MOUNDSVILLE, Pad Name DAVID REINBEAU-MSH-PAD1 Field/Pool Name NORTH VICTORY FIELD WET  
 Farm Name SHELLY A. & DAVID W. REINBEAU Well Number DAVID REINBEAU MSH 606H  
 Operator (as registered with the OOG) SWN Production Company LLC  
 Address PO Box 12359 City Spring State TX  
 Zip 77391-2359

As Drilled Location NAD83/UTM Attach an as-drilled plat, profile view, and deviation survey  
 Top Hole Northing 4,427,007.318 Easting 528,892.239  
 Landing Point of Curve Northing 4,426,634.720 Easting 528,087.303  
 Bottom Hole Northing 4,421,726.251 Easting 529,820.683

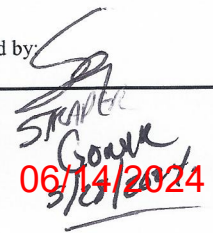
Elevation (ft) 1,251.2' GL Type of Well  New  Existing Type of Report  Interim  Final  
 Permit Type  Deviate  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
 Type of Operation  Convert  Deepen  Drill  Plug Back  Redrill  Re-Work  Stimulate  
 Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other  
 Type of Completion  Single  Multiple Fluids Produce  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) SOBM  
 See attached Mud Summary Report

Date permit issued 2023-06-23 Date drilling commenced 2023-08-29 Date drilling ceased 2023-09-11  
 Date Completion activities began 2024-01-01 Date Completion activities ceased 2024-02-22  
 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 426' Oprn mine(s) (Y/N) depths N  
 Salt water depth(s) ft 883' Void(s) encountered (Y/N) depth N  
 Coal depth(s) ft 775' Cavern(s) encountered (Y/N) depth N  
 Is coal being mined in area (Y/N) N

Reviewed by:   
 Steve Gowik  
 06/14/2024

API 47-051-02502 Farm name SHELLY A. & DAVID W. REINBEAU Well number DAVID REINBEAU MSH 606H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Wt lb/ft	Grade	Basket Depth	Did cement circulate (Y/N) *Provide details below*
Conductor	20.000	20.000	136	New	J-55	94.00		Y
Surface	17.500	13.375	477	New	J-55	54.50		Y/ 28 BBLS
Coal	SEE INTERMEI			New				
Intermediate 1	12.250	9.625	2076	New	J-55	36.00		Y/ 32 BBLS
Intermediate 2				New				
Intermediate 3				New				
Production	8.500	5.500	24610	New	P-100 HP	20.00		Y/ 85 BBLS
Tubing		2.875	7527	New	P-110	6.50		
Packer type and depth set								

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft3/sks)	Volume (ft2)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	487	15.6	1.19	579.53	SURFACE	8
Coal	SEE INTERMEI						
Intermediate 1	CLASS A	753	15.6	1.19	896.07	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4612	14.5	1.29	5949.48	SURFACE	24
Tubing							

Drillers TD (ft) 24,610 Loggers TD (ft) 24,610  
 Deepest formation penetrated MARCELLUS Plug back to (ft) 24,523  
 Plug back procedure N/A

Kick off depth (ft) 6,520' MD

Check all wireline logs run  caliper  density  deviated/directional  induction  sonic  
 neutron  resistivity  gamma ray  temperature  
 Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING:  
 SURFACE: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: 26 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 587 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

WAS WELL COMPLETED AS SHOT HOLE  Yes  No Details \_\_\_\_\_

WAS WELL COMPLETED AS OPEN HOLE  Yes  No Details \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

API 47-051-02502 Farm name SHELLY A. & DAVID W. REINBEAU Well number DAVID REINBEAU MSH 606H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
SEE ATTACHMENT 1					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
SEE ATTACHMENT 2								

Please insert additional pages as applicable.

API 47-051-02502 Farm name SHELLY A. & DAVID W. REINBEAU Well number DAVID REINBEAU MSH 606H

PRODUCING FORMATION(S)	DEPTHS	
<u>MARCELLUS</u>	<u>6330'</u> TVD	<u>7333'</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2944 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST (hrs) \_\_\_\_\_

OPEN FLOW GAS 8321 mcpd OIL 814 bpd NGL \_\_\_\_\_ bpd WATER 1929 bpd GAS MEASURED BY  Estimate  Orifice  Pilot

LITHOLOGY/ FORMATION TOP DEPTH IN FT NAME TVD BOTTOM DEPTH IN FT TVD TOP DEPTH IN FT MD BOTTOM DEPTH IN FT MD DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)
	SEE ATTACHMENT 3				

Please insert additional pages as applicable

Drilling Contractor SWN DRILLING COMPANY  
 Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company BAKER HUGHES  
 Address 9110 GROGANS MILL RD City IE WOODLANI State TX Zip 77380

Cementing Company SCHLUMBERGER  
 Address 110 SCHLUMBERGER DRIVE City SUGAR LAND State TX Zip 77478

Company SWN DRILLING COMPANY  
 Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Please insert additional pages as applicable.

Completed by Denise Grantham Telephone 832.796.6139  
 Signature Denise Grantham Title Regulatory Specialist Date 5.28.2024

WR-36  
Rev. 5/08

Date: 4.3.2024  
Operators Well Number: David Reinbeau MSH 606H  
API Well No: 47-051 - 02502

**State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas**

Well Operator's Report of  
Initial Gas-Oil Ratio

Well Operator SWN PRODUCTION COMPANY LLC Designated Agent \_\_\_\_\_  
Address PO BOX 12359 Address \_\_\_\_\_  
SPRING, TX 77391-2359 \_\_\_\_\_  
\_\_\_\_\_

Geological Target Formation: MARCELLUS Depth 6,330' TVD / 7,333' MD feet  
Perforation Interval 7,453' / 24,428' feet

Guidelines for testing:

1. A minimum of gas vented or flared.
2. A 24 hour pre-flow into pipelines or tanks.
3. Uniform producing rate during the 24 hour test per test period.
4. Measurement standards as for Form WR-39, "Report of Annual Production" (see 35CSR4-15)
5. Separate Form WR-36 for each producing formation in a multiple completion.

**TEST DATA**

Start of Test Date 4/2/2024		Time 6:00am		End of Test Date 4/3/2024		Time 6:00am		Duration of Test 24 hrs	
Tubing Pressure 950		Casing Pressure 2235		Separator Pressure 425		Separator Temperature 101			
Oil Production During Test 814		Gas Production During Test 8321		Water Production During Test 1929		125,000 ppm chlorides -Salinity			
Oil Gravity 68		Producing Method (flowing, pumping, gas lift etc.) <b>flowing up tubing</b>							

**GAS PRODUCTION**

Measurement Method Flange Tap <input checked="" type="checkbox"/> Pipe Tap <input type="checkbox"/> L-10 <input type="checkbox"/>			Positive Choke <input checked="" type="checkbox"/>			RECEIVED Office of Oil and Gas		
Orifice diameter 3"			Pipe Diameter (inside) 3"			Nominal Choke Size inches 128/64ths		
Differential Pressure range 58-105"			Max. Static pressure range 435			Prover and Orifice diameter - inches 3"		
Differential 85			Static 425			WV Department of Environmental Protection		
Gas Gravity (Air = 1.0) Measured Estimated 0.68			Flowing Temperature 101			Gas Temperature 101		
24 Hour Coefficient 1			24 Hour coefficient pressure PSIA 14.65					

**TEST RESULTS**

Daily Oil 814		Daily Water 1929		Daily Gas 8321		Gas-Oil Ratio 10.2	
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*Denise Grantham*

Well Operator

BY DENISE GRANTHAM

ITS: DESIGNATED REPRESENTATIVE

06/14/2024

Latitude: 40°00'00"

SURFACE HOLE 10,242'

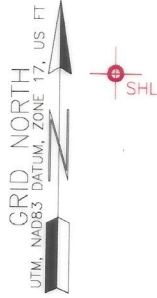
Latitude: 39°57'30"

BOTTOM HOLE 7,268'

# JACKSON SURVEYING INC.

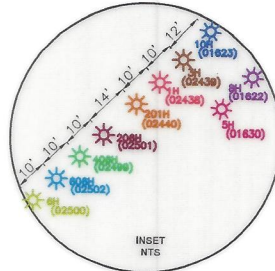
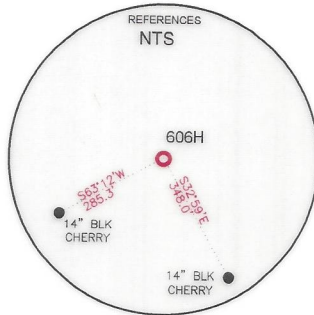
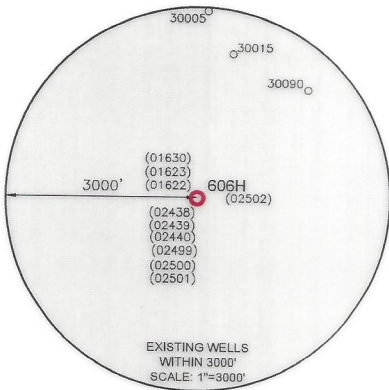
2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,007.356 EASTING: 528,892.356
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,628.705 EASTING: 528,086.018
<b>AZIMUTH POINT LOCATION (AZL1):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,066.049 EASTING: 528,285.181
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,421,728.136 EASTING: 529,820.230



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,007.318 EASTING: 528,892.239
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,634.720 EASTING: 528,087.303
<b>AZIMUTH POINT LOCATION (AZL1):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,079.526 EASTING: 528,284.927
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,421,726.251 EASTING: 529,820.683

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 17°10'37" W	1,063.88'	SHL TO LANDMARK	FD. FENCE CORNER
L2	N 57°48'31" W	1,267.17'	SHL TO LANDMARK	FD. FENCE CORNER
L4	S 19°35'36" E	1,933.45'	LPL TO AZL1	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 65°09'40" W	2910.06'	3,367.81'	SHL TO LP



### 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.

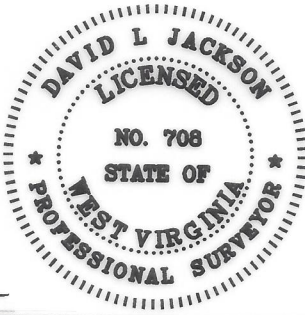
### NOTES ON SURVEY

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** **SWN** <sup>R</sup>/<sub>A</sub> <sup>V</sup>/<sub>+</sub>  
Production Company, LLC Production Company™



(+) 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 #: 606H  
API WELL #: **47** **051** **02502**  
STATE COUNTY PERMIT

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

WATERSHED: HOLLIDAYS RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1,251.2'

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  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

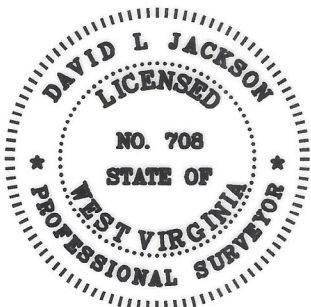
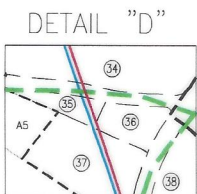
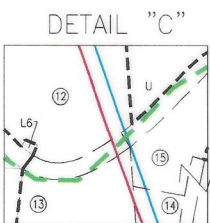
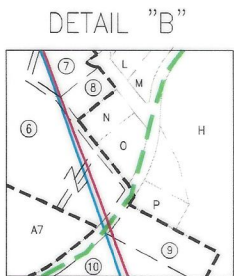
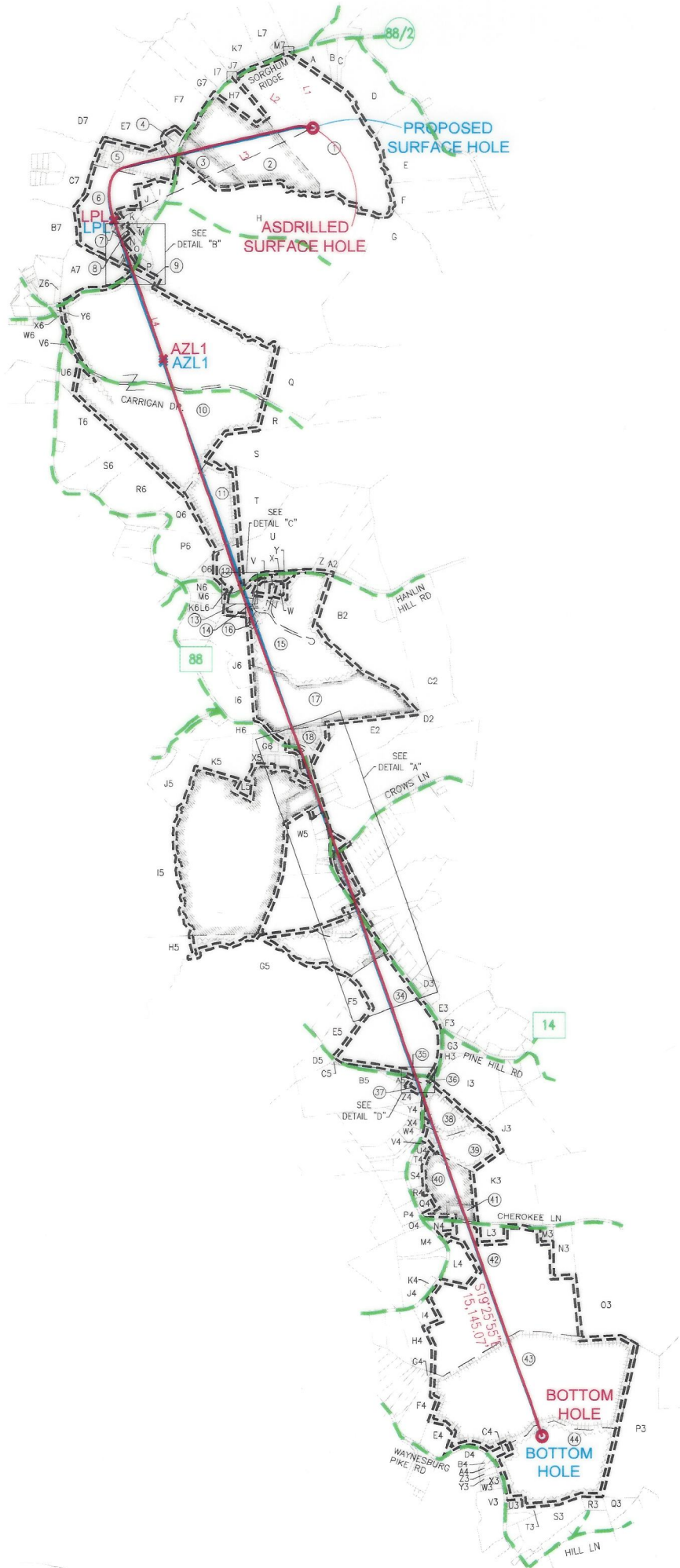
CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) **ASDRILLED** **06/14/2024**

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,478 TVD 24,610 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

<b>LEGEND:</b>	— SURVEYED BOUNDARY	REVISIONS:	DATE: 10-05-2023
⊙ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
☀ EXISTING / PRODUCING WELLHEAD	== LEASE BOUNDARY		
LPL* LANDING POINT LOCATION	— ASDRILLED PATH		DRAWN BY: N. MANO
⊙ EXISTING WATER WELL	— PROPOSED PATH		SCALE: 1" = 2000'
⊙ EXISTING SPRING			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*



GRAPHIC SCALE IN FEET 06/14/2024

REVISIONS:	COMPANY:			
	OPERATOR'S	DAVID REINBEAU MSH	API #:	DATE: 10-05-2023
	WELL #:	606H	47-051-02502	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	UNION	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 2

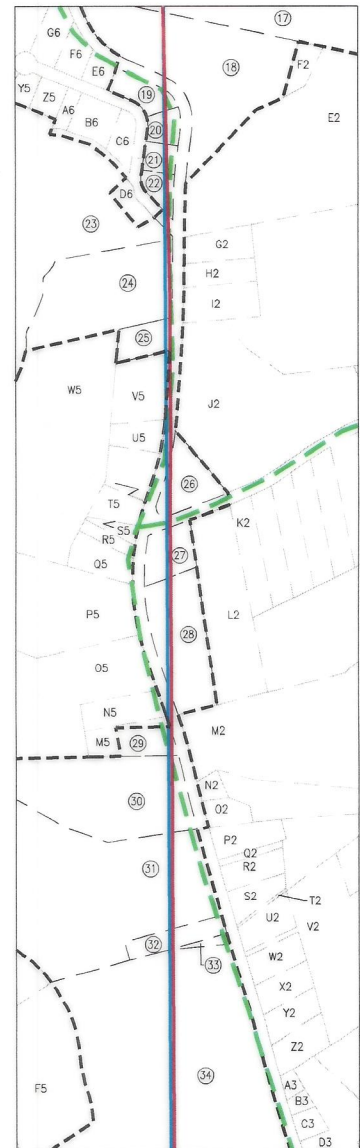
**JACKSON SURVEYING  
INC.**

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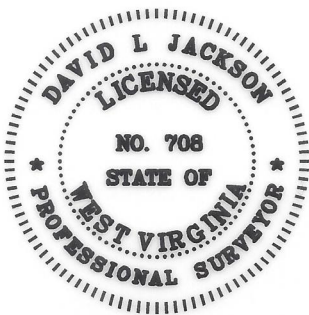
WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	REINBEAU SHELLY A & DAVID W (S/R)	13-8-29
TRACT	SURFACE OWNER (S)	
2	REINBEAU SHELLY A & DAVID W (S)	13-8-27
3	REINBEAU RONALD W & FRIEDA A - LIFE (S)	13-07-22.2
4	SHEPHERD JAMES LEE II (S)	13-07-23
5	MCCLINTOCK JOSIE & LARRY (S)	13-07-22.4
6	PATTERSON DANIEL & MICHELLE (S)	13-07-22
7	SBERNA JOHN L (S)	13-7E-04
8	SBERNA SANDRA (S)	13-7E-03
9	MCLAUGHLIN SHAWN & ELIZABETH (S)	13-08-23
10	HIERONIMUS C KEITH ET UX (S)	13-08-15
11	CARTER KELLY J (S)	13-10-19
12	WISE CLARA L (S)	13-10-18
13	LOY JEFFREY A & JULIE M (S)	13-10-31
14	MERINAR KENNETH LEE & LEEANN (S)	13-10B-08
15	MERINAR KENNETH LEE ET UX (S)	13-10-21.6
16	SPIELVOGEL HARRY C ET UX (S)	13-10B-10
17	METS PROPERTIES LLC (S)	13-10-22
18	STURGILL JULIE L & JOE D (S)	13-10-24
19	GELLNAR GARY (S)	13-13A-04
20	GELLNER GARY (S)	13-13A-03
21	HENDERSON SHERYL LYNN (S)	13-13A-02
22	SIBURT ERIC R & CARLA M (S)	13-13A-01
23	SCHABER LESLIE B & LORI D (S)	13-13-10
24	HARVEY JOSHUA STEVEN (S)	13-13-11.1
25	AVILA EDWARD A (S)	13-13-11.4
26	PENNINGTON KAREN LYNN (S)	13-09-32.5
27	HACKATHORN JUDITH ANN - LIFE (S)	13-09-31.2
28	COOPER TIM L (S)	13-09-31.3
29	TH EXPLORATION LLC (S)	13-13-13.1
30	ANDERSON MICHAEL L (S)	13-13-14
31	BROWN ROSEMARY M (S)	13-13-15
32	GODDARD RUSSELLE E & MICHELE L (S)	13-13-16
33	GODDARD RUSSELLE E & MICHELE L (S)	13-13-17.1
34	LILLEY PAUL THOMAS (S)	13-13-17
35	CUNNINGHAM TOYA A - TOD (S)	13-14-48.1
36	GRAY DARYL J (S)	13-14-49
37	SCOTT RANDALL C ET UX (S)	13-14-48
38	OLDFIELD KAREN KAY (S)	13-14-33
39	GUNTO CARL M ET UX (S)	13-14-34
40	WALTER DANA F & VINCENT LORETTO (S)	13-14-38
41	THOMAS WAYNE L - THOMAS MARILYN (S)	13-14-39
42	KOONTZ CARL JR ET AL (S)	14-05-24
43	FRANCIS LISA JANE (S)	14-05-37
44	TATICH DANIEL EDWARD TRUST (S)	14-05-36

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	NARRISH KEVIN	13-08-30
B	SOUTH CHRISTOPHER C	13-08-31
C	KOSTELECKY JOSEPH J JR & CAROLYN - TOD	13-08-31.1
D	FUNK CHARLES D ET UX	13-08-32
E	LOY EUGENE EST ET AL	13-08-01
F	LIBERTY JOHN ET UX	13-08-10
G	MCCOMBS JOHN A SR, THOMAS E & BETH	13-08-11
H	MCCOMBS JOHN A SR, THOMAS E & BETH	13-08-26
I	CAIN ROGER L II	13-7E-10
J	MALARSKI CHAD	13-7E-09
K	SANDRETH ELIZABETH A	13-7E-05
L	MILLER RALPH D ET UX	13-7E-06
M	CRAWFORD GARY J	13-7E-07
N	SBERNA JOSEPH L JR & TAMMY L	13-7E-02
O	SBERNA JOSEPH L JR & TAMMY	13-7E-01
P	PERRY JOSEPH P JR	13-08-24
Q	CONNER AMBER D & DAVID HANES JR	13-08-14
R	CONNER AMBER D & DAVID HANES JR	13-08-13
S	CONNER AMBER D & DAVID HANES JR	13-08-12
T	CARTER KELLY J	13-10-20
U	MELNIK BRUCE A ET UX	13-10-21
V	GAST COREY M & JOLIE A	13-10-21.10
W	BOWERS MARY L	13-10B-37
X	SHAW SIDNEY S & ROBIN MARIE	13-10B-02
Y	SHAW SIDNEY S & ROBIN MARIE	13-10B-01
Z	MELNIK BRUCE A ET UX	13-10-21.1
A2	MONTGOMERY TORIE	13-10-21.2
B2	JONES NICHOLAS & EVELINE J	13-10-21.8

DETAIL "A"



06/14/2024



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:	<b>SWN</b> Production Company, LLC		<b>SWN</b> Production Company™	
	OPERATOR'S	DAVID REINBEAU MSH	API #:	DATE: 10-05-2023	
	WELL #:	606H	47-051-02502	DRAWN BY: N. MANO	
	DISTRICT:	UNION	COUNTY:	STATE:	SCALE: N/A
			MARSHALL	WV	DRAWING NO:
					WELL LOCATION PLAT 3





**JACKSON SURVEYING  
INC.**

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

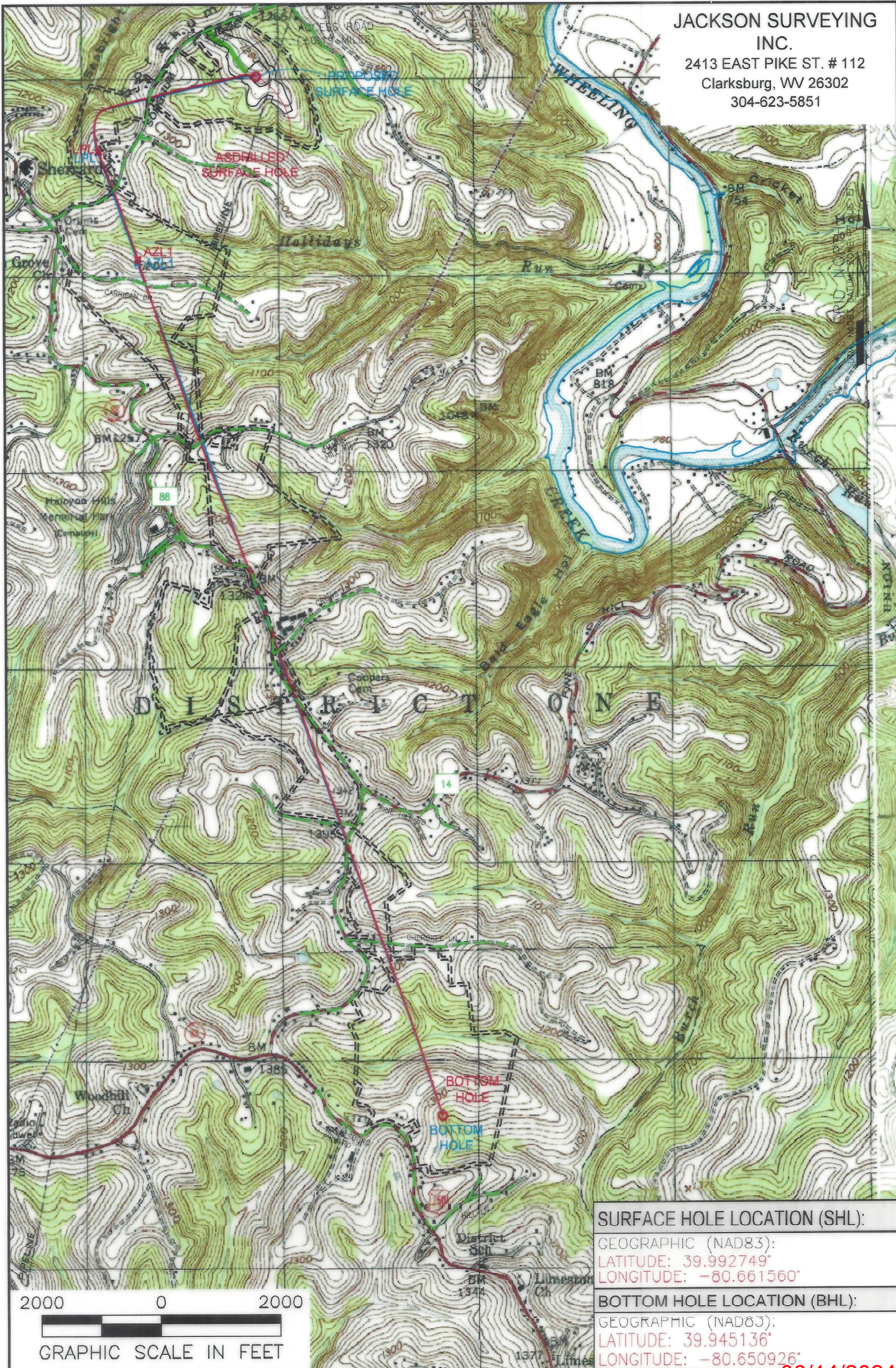
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
C2	JONES NICHOLAS & EVELINE J	13-09-08
D2	EDISON MARK C ET UX	13-09-09
E2	METS PROPERTIES LLC	13-10-23
F2	METS PROPERTIES LLC	13-10-24.1
G2	MILLER KENNETH LEE - TOD	13-09-33
H2	CHAMBERS ROBIN L & DENICE E	13-09-33.1
I2	CHAMBERS ROBIN L & DENICE E	13-09-33.2
J2	EAGLE LTD	13-09-32.1
K2	VEMURI HOME & GARDEN LLC	13-09-34
L2	FRYE JACQUELINE L & CHARLES G	13-09-31.1
M2	PARSONS JAY D ET UX	13-14-01
N2	CAMPBELL CODIE JOHNELLE	13-14-02
O2	FREEMAN RAYMOND CHRISTOPHER	13-14-03
P2	TROWBRIDGE ROBEYN & JOSHUA SKIDGEL	13-14-05
Q2	TROWBRIDGE ROBEYN & JOSHUA SKIDGEL	13-14-6.1
R2	CLOVIS JUSTIN	13-14-6.3
S2	KENDZIERSKI ALAN B ET UX	13-14-6.4
T2	GIVENS BRUCE E ET UX	13-14-06
U2	GIVENS BRUCE E ET UX	13-14-7.2
V2	CHAMBERS DOROTHY-LIFE	13-14-07
W2	COTTRELL COLE T	13-14-7.5
X2	DORAN BRIAN W ET UX	13-14-7.4
Y2	LEWEY CHARLES L & MARGARET A	13-14-7.1
Z2	BECKNER DAVID E & DEBORAH K	13-14-7.3
A3	GANTZER MARCIA L & JAMES E	13-14-8.2
B3	GANTZER MARCIA L & JAMES E	13-14-8.1
C3	YOHO RONNIE E	13-14-8.3
D3	YOHO GAIL L & RONNIE E	13-14-8.4
E3	ROVER PIPELINE LLC	13-14-08
F3	ROVER PIPELINE LLC	13-14-09
G3	DRAKE JASON T & DEANNA J	13-14-31.1
H3	LYONS BRENT G ET UX	13-14-31
I3	HENRY GH & JANET FAMILY TRUST	13-14-32
J3	HENRY GH & JANET FAMILY TRUST	13-14-29
K3	FOSTER CHARLES S & BRENDA	13-14-38.2
L3	EBERT BRADLEY	14-05-24.9
M3	WILSON ROBERT J & REBECCA S	14-05-24.6
N3	FOSTER CAITLIN E	13-14-50
O3	SMITH EDWARD LEE II	14-05-26
P3	HILL KAY F ET AL	14-05-28
Q3	HILL KAY F ET AL	14-05-29
R3	LILLEY ROGER W ET UX	14-05-32.5
S3	YOHO KIM MARLENE	14-05-33
T3	WHIPKEY ROGER ET UX	14-05-35
U3	SIMONS JORDAN M & VICTORIA G BENLINE SIMONS	14-05-36.1
V3	DERROW SAMUEL R ET UX	14-05-39
W3	KELLEY RODNEY & BONNIE	14-05-38.1
X3	KELLEY RODNEY & BONNIE	14-05-38
Y3	KELLEY RODNEY & BONNIE	14-05-38.2
Z3	KELLEY RODNEY & BONNIE	14-05-38.3
A4	WALTER DANA F	14-05-38.4
B4	WALTER DANA F	14-05-38.5
C4	FRANCIS LISA JANE	14-05-36.2
D4	BISHOP PENNY S ET VIR	14-05-39.1
E4	FRANCIS LISA JANE	14-05-37.1
F4	GALLOWAY HARRY L	14-05-11
G4	J & R DEVELOPMENT LLC	14-05-11.3
H4	SMITH MARK ALLEN ET UX	14-05-23
I4	KOONTZ COLE	14-05-24.8
J4	WILLIAMS CARL R & RHONDA L	14-05-24.5
K4	WILLIAMS CARL R & RHONDA L	14-05-24.4
L4	KOONTZ JOHN R	14-05-24.3
M4	WOODS JOHN E SR & FRANCES J	14-05-24.2
N4	KOONTZ CARL E JR	14-05-24.1
O4	SNYDER DAVID L - LIFE	13-14-40
P4	SNYDER DAVID L - LIFE	13-14-44
Q4	HEWITT MARTIN O ET UX	13-14-38.3
R4	SMITH CARROLYN - TOD	13-14-38.4
S4	GUMP CHRISTINA H	13-14-37
T4	WEST THOMAS J JR & KATHY ANN	13-14-36

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
U4	WEST THOMAS J JR & KATHY ANN	13-14-35
V4	WEST THOMAS J JR & KATHY ANN	13-14-34.1
W4	POLANSKI LINDSAY N	13-14-41.2
X4	FERDA BRIAN T	13-14-46.2
Y4	BOWIE CHRISTOPHER E	13-14-46.1
Z4	CUNNINGHAM CHAD	13-14-47
A5	KOONTZ HELEN - TOD	13-14-48.2
B5	CUNNINGHAM CHAD L & JEFFREY H	13-14-47.1
C5	CUNNINGHAM JEFFREY H & CHAD	13-13-20
D5	CUNNINGHAM JEFFREY H & CHAD	13-13-19
E5	HELLER AMBER R & EDGAR D JR	13-13-18.1
F5	HELLER AMBER R & EDGAR D JR	13-13-18
G5	HELLER EDGAR D JR TRUST	13-13-21
H5	HELLER EDGAR D JR TRUST	13-13-23
I5	HELLER EDGAR D JR TRUST	13-13-09
J5	KOCH JOHN E & BARBARA A - TOD	13-13-9.3
K5	SCHABER LESLIE B & LORI D	13-13-10.1
L5	SCHABER LESLIE B & LORI D	13-13-10.2
M5	TH EXPLORATION, LLC	13-13-13.3
N5	NORRIS TABITHA L	13-13-13.2
O5	GROSS COBER R ET UX	13-13-13
P5	SHANNON WILLIAM JAMES	13-13-12
Q5	BURTON ERIC & LEE ANN	13-13-11.7
R5	SCARNECHIA DAVID W	13-13-11.6
S5	SCARNECHIA DAVID W	13-13-11
T5	SCARNECHIA DAVID W	13-13-11.5
U5	HAIGHT DONNA JEAN	13-13-11.8
V5	HAIGHT DONNA JEAN	13-13-11.2
W5	SHANNON WILLIAM JAMES	13-13-11.3
X5	BACH WILBERT H II ET UX	13-13A-10
Y5	BACH WILBERT H II ET UX	13-13A-11
Z5	SCHABER LESLIE B & LORI D	13-13A-12
A6	SCHABER LESLIE B & LORI D	13-13A-13.1
B6	KNOBlich RICHARD KARL ET UX	13-13A-13
C6	WARD ROBERT C JR & VICKY LINN	13-13A-15
D6	SCHABER LESLIE & LORI	13-13-10.3
E6	CARR PHYLLIS J	13-13A-06
F6	HESS GEORGE JR ET UX	13-13A-07
G6	WHIPKEY ROBERT	13-13A-08
H6	MARSH DAVID A ET UX	13-10-28
I6	THORN RONNIE L & BETH A	13-10-30.1
J6	ELLIOTT GLENN F	13-10-30
K6	ELLIOTT GLENN F	13-10-33
L6	MANUFACTURING LIGHT & HEAT CO	13-10-18.2
M6	RUSH J LARRY & LINDA M	13-10-32.1
N6	RUSH JOSEPH L & LINDA M	13-10-32
O6	MOSA BLAIR P ET UX	13-10-18.1
P6	TARGOSKY ROSEMARY & MCCOY-GOOGEL BARAK	13-10-16
Q6	CARTER KELLY J	13-10-15.1
R6	WALTON DANIEL JR & THERESA	13-08-17
S6	WALTON DANIEL JR & THERESA	13-08-18
T6	MCCOMBS THOMAS E & BETH E - TOD	13-08-19
U6	PRESBYTERIAN CHURCH	13-08-20
V6	ALLEN GROVE PRESBYTERIAN CHURCH	13-08-15.1
W6	KAHLBAUGH DAVID W & DELORES- TOD	13-07-24
X6	HIERONIMUS C KEITH ET UX	13-7A-23
Y6	SHARRARD CEMETERY	13-7A-22
Z6	JOHNSON GILBERT	13-7A-03
A7	MCCOMBS THOMAS E & BETH E - TOD	13-08-16
B7	CMK REALTY LLC	13-7A-09
C7	BOARD OF EDUCATION	13-07-16
D7	BOARD OF EDUCATION	13-07-17
E7	MCCOMBS JOHN A SR & MARILYN S	13-07-22.1
F7	REINBEAU DAVID W & SHELLY A	13-07-22.3
G7	REINBEAU DAVID W & SHELLY A	13-07-21.1
H7	BOWMAN MICHAEL ET UX	13-08-28
I7	BOWMAN MICHAEL J & CONSTANCE G	13-07-21
J7	ALEXANDER LORRAINE	13-07-20
K7	ALEXANDER LORRAINE	13-07-18.1
L7	ALEXANDER LORRAINE	13-07-18
M7	SAMPSON EDITH VIRGINIA EST	13-07-19

06/14/2024

REVISIONS:	COMPANY:		 	
	OPERATOR'S	DAVID REINBEAU MSH	API #:	DATE: 10-05-2023
	WELL #:	606H	47-051-02502	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	UNION	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 4

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



<b>SURFACE HOLE LOCATION (SHL):</b>	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.992749°	
LONGITUDE: -80.661560°	
<b>BOTTOM HOLE LOCATION (BHL):</b>	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.945136°	
LONGITUDE: -80.650926°	

06/14/2024

**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
- LPL LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> DAVID REINBEAU MSH	<b>WELL #</b> 606H
<b>ADDRESS:</b> 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	<b>COUNTY - CODE</b> MARSHALL - 051	<b>DISTRICT; UNION</b>
<b>SURFACE OWNER:</b> SHELLY A. & DAVID W. REINBEAU	<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> MOUNDSVILLE, WV	<b>API #:</b> 47-051-02502

**DAVID REINBEAU MSH 606H**  
**ATTACHMENT 1**  
**PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	12/15/2023	24,523	24,428	36
2	1/1/2024	24,392	24,211	36
3	1/2/2024	24,177	23,996	36
4	1/2/2024	23,962	23,781	36
5	1/3/2024	23,747	23,566	36
6	1/4/2024	23,533	23,352	36
7	1/4/2024	23,318	23,137	36
8	1/5/2024	23,103	22,922	36
9	1/5/2024	22,888	22,707	36
10	1/6/2024	22,673	22,492	36
11	1/6/2024	22,458	22,277	36
12	1/6/2024	22,244	22,062	36
13	1/7/2024	22,029	21,848	36
14	1/7/2024	21,814	21,633	36
15	1/8/2024	21,599	21,418	36
16	1/8/2024	21,384	21,203	36
17	1/8/2024	21,169	20,988	36
18	1/9/2024	20,954	20,773	36
19	1/10/2024	20,740	20,559	36
20	1/11/2024	20,525	20,344	36
21	1/11/2024	20,310	20,129	36
22	1/12/2024	20,095	19,914	36
23	1/13/2024	19,880	19,699	36
24	1/14/2024	19,665	19,484	36
25	1/14/2024	19,450	19,269	36
26	1/15/2024	19,236	19,055	36
27	1/15/2024	19,021	18,840	36
28	1/15/2024	18,806	18,625	36
29	1/16/2024	18,591	18,410	36
30	1/16/2024	18,376	18,195	36
31	1/18/2024	18,161	17,980	36
32	1/19/2024	17,947	17,766	36
33	1/19/2024	17,732	17,551	36
34	1/20/2024	17,517	17,336	36
35	1/20/2024	17,302	17,121	36
36	1/21/2024	17,087	16,906	36
37	1/21/2024	16,872	16,691	36
38	1/22/2024	16,657	16,476	36
39	1/22/2024	16,443	16,262	36
40	1/23/2024	16,228	16,047	36
41	1/24/2024	16,013	15,832	36
42	1/24/2024	15,798	15,617	36

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Environmental Protection

**DAVID REINBEAU MSH 606H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
43	1/24/2024	15,583	15,402	36
44	1/24/2024	15,368	15,187	36
45	1/25/2024	15,154	14,972	36
46	1/25/2024	14,939	14,758	36
47	1/25/2024	14,724	14,543	36
48	1/26/2024	14,509	14,328	36
49	1/26/2024	14,294	14,113	36
50	1/27/2024	14,079	13,898	36
51	1/27/2024	13,864	13,683	36
52	1/27/2024	13,650	13,469	36
53	1/28/2024	13,435	13,254	36
54	1/28/2024	13,220	13,039	36
55	1/28/2024	13,005	12,824	36
56	2/1/2024	12,790	12,609	36
57	2/2/2024	12,575	12,394	36
58	2/2/2024	12,361	12,179	36
59	2/3/2024	12,146	11,965	36
60	2/3/2024	11,931	11,750	36
61	2/3/2024	11,716	11,535	36
62	2/4/2024	11,501	11,320	36
63	2/4/2024	11,286	11,105	36
64	2/4/2024	11,071	10,890	36
65	2/5/2024	10,857	10,676	36
66	2/5/2024	10,642	10,461	36
67	2/5/2024	10,427	10,246	36
68	2/6/2024	10,212	10,031	36
69	2/6/2024	9,997	9,816	36
70	2/6/2024	9,782	9,601	36
71	2/7/2024	9,567	9,386	36
72	2/7/2024	9,353	9,172	36
73	2/7/2024	9,138	8,957	36
74	2/8/2024	8,923	8,742	36
75	2/8/2024	8,708	8,527	36
76	2/9/2024	8,493	8,312	36
77	2/9/2024	8,278	8,097	36
78	2/9/2024	8,064	7,883	36
79	2/9/2024	7,849	7,668	36
80	2/10/2024	7,634	7,453	36

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Environmental Protection

06/14/2024

DAVID REINBEAU MSH 606H

ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
1	1/1/2024	79.4	7,983	7,586	7,512	192,600	6,411	0
2	1/1/2024	80.7	7,913	4,884	4,547	367,500	10,249	0
3	1/2/2024	98.4	9,161	4,548	4,594	367,800	10,040	0
4	1/3/2024	84.3	8,128	3,850	4,325	367,900	10,139	0
5	1/3/2024	92.2	8,964	4,570	4,119	367,940	9,328	0
6	1/4/2024	96.1	9,329	4,899	4,589	366,760	9,314	0
7	1/4/2024	88.4	9,312	4,591	4,431	367,680	9,160	0
8	1/5/2024	95.5	10,004	4,761	4,358	364,400	9,320	0
9	1/5/2024	95.8	9,442	5,574	4,252	367,760	9,273	0
10	1/6/2024	89.5	9,555	5,205	4,377	367,320	9,144	0
11	1/6/2024	95.6	9,528	6,029	4,410	365,440	9,150	0
12	1/6/2024	84.8	8,907	5,174	4,545	366,360	9,142	0
13	1/7/2024	92.6	9,040	5,459	4,321	262,800	8,924	0
14	1/7/2024	79.6	9,010	6,251	4,700	363,880	8,917	0
15	1/8/2024	96.7	9,233	5,322	3,895	366,540	9,200	0
16	1/8/2024	96.8	8,859	5,977	4,462	367,620	9,237	0
17	1/8/2024	88.1	9,042	4,932	4,491	366,060	9,176	0
18	1/9/2024	97.3	9,437	4,885	4,783	367,640	9,239	0
19	1/10/2024	93.9	9,677	6,214	3,957	367,760	8,819	0
20	1/11/2024	95.3	9,444	4,525	4,258	363,020	8,813	0
21	1/11/2024	93.7	9,549	6,650	3,871	366,920	9,221	0
22	1/12/2024	97.3	9,432	5,773	4,258	366,740	8,877	0
23	1/13/2024	96.5	9,264	6,054	4,258	364,620	8,870	0
24	1/14/2024	95.9	9,510	6,202	4,258	367,860	8,769	0
25	1/14/2024	96.9	9,198	6,130	4,222	366,400	9,111	0
26	1/15/2024	93	9,276	5,361	4,412	363,460	9,005	0
27	1/15/2024	96.2	8,745	6,052	4,235	366,020	8,536	0
28	1/15/2024	93.4	9,255	5,893	3,612	365,900	8,502	0
29	1/16/2024	84.5	8,607	5,801	4,300	365,720	8,351	0
30	1/16/2024	96.2	8,519	5,725	4,012	364,520	8,719	0
31	1/18/2024	90.9	8,885	3,442	4,613	366,320	9,008	0
32	1/19/2024	80.3	7,851	5,061	4,008	366,800	8,996	0
33	1/19/2024	96.3	9,659	2,974	4,512	365,660	8,585	0
34	1/20/2024	96.1	8,741	3,355	4,691	366,680	9,286	0
35	1/21/2024	82.4	8,552	3,381	5,103	368,360	8,296	0
36	1/21/2024	85.9	8,203	5,917	4,623	366,440	8,278	0
37	1/22/2024	93.2	8,452	5,505	5,127	368,580	8,133	0
38	1/22/2024	93.6	8,824	6,031	4,812	367,020	8,470	0
39	1/22/2024	92.6	8,732	3,005	5,217	364,040	8,251	0
40	1/23/2024	93.7	8,632	6,224	4,151	366,800	8,410	0
41	1/24/2024	96.9	9,260	3,652	4,621	367,320	8,228	0
42	1/24/2024	93.4	8,383	5,725	5,306	367,360	8,295	0
43	1/24/2024	92.1	8,307	2,648	5,375	368,640	8,076	0
44	1/25/2024	96.2	8,880	5,289	4,927	369,040	8,771	0
45	1/25/2024	95	8,746	6,307	3,907	367,260	8,179	0
46	1/25/2024	93.4	8,093	2,277	4,831	366,340	7,675	0
47	1/26/2024	92.6	8,156	5,174	5,019	367,160	8,012	0
48	1/26/2024	92.1	8,281	6,591	5,327	367,120	7,653	0
49	1/27/2024	91.7	8,175	5,207	4,826	365,860	7,560	0
50	1/27/2024	83.1	7,753	6,175	5,341	367,380	7,895	0
51	1/27/2024	89.8	8,305	6,319	5,271	364,760	7,515	0
52	1/27/2024	99	8,547	4,510	5,267	366,960	7,492	0
53	1/28/2024	96	8,488	2,622	4,999	368,100	7,512	0

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**DAVID REINBEAU MSH 606H  
ATTACHMENT 2  
STIM REPORT**

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/other
54	1/28/2024	93.3	8,241	5,587	4,745	367,480	7,393	0
55	1/29/2024	86.6	7,754	5,978	4,961	368,180	7,542	0
56	2/2/2024	92.3	8,028	5,174	4,325	366,680	8,205	0
57	2/2/2024	85.5	7,704	7,014	4,438	365,050	7,594	0
58	2/3/2024	85.4	7,563	5,786	4,430	367,100	7,460	0
59	2/3/2024	83	6,961	5,464	3,814	366,700	7,571	0
60	2/3/2024	88	7,155	4,889	4,269	366,060	7,317	0
61	2/4/2024	85	7,399	6,539	4,700	368,160	7,509	0
62	2/4/2024	93.4	7,776	4,321	4,210	367,340	7,379	0
63	2/4/2024	96.7	7,714	4,890	4,258	366,520	7,364	0
64	2/5/2024	99	8,427	4,031	4,750	368,080	7,493	0
65	2/5/2024	86.4	7,340	4,437	4,422	366,100	7,557	0
66	2/5/2024	92.4	7,555	5,005	4,358	365,060	7,403	0
67	2/6/2024	92.4	7,216	4,933	4,517	366,460	7,429	0
68	2/6/2024	91.2	7,445	6,525	4,388	367,540	7,394	0
69	2/6/2024	88.1	7,067	5,963	4,258	365,580	7,197	0
70	2/7/2024	90.6	7,319	6,125	4,325	366,080	7,374	0
71	2/7/2024	94.9	7,283	4,755	4,586	367,340	7,417	0
72	2/7/2024	89.9	7,153	3,905	4,358	367,220	7,323	0
73	2/8/2024	97.3	7,285	5,599	4,355	367,280	7,350	0
74	2/8/2024	92.4	6,859	4,760	4,419	365,180	7,230	0
75	2/8/2024	97.1	7,130	5,306	4,348	365,700	7,184	0
76	2/9/2024	83.2	6,448	4,499	4,287	367,220	7,174	0
77	2/9/2024	86.1	6,566	6,009	3,925	368,120	7,175	0
78	2/9/2024	97.1	6,779	5,168	4,435	370,040	7,210	0
79	2/10/2024	94.5	6,700	4,221	3,945	366,360	6,984	0
80	2/10/2024	95.5	7,062	6,694	4,280	369,720	7,347	0

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Well Name: David Reinbeau MSH 406H

47051024990000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	426.00	426.00	
Top of Salt Water	883.00	883.00	NA	NA	
Pittsburgh Coal	775.00	775.00	784.00	784.00	
Pottsville (ss)	883.00	883.00	1020.00	1020.00	
Raven Cliff (ss)	1220.00	1218.00	1459.00	1454.00	
Maxton (ss)	1459.00	1454.00	2363.00	2322.00	
Berea (siltstone)	2363.00	2322.00	2386.00	2343.00	
Rhinestreet (shale)	6498.00	5783.00	6812.00	6038.00	
Cashaqua (shale)	6812.00	6038.00	6889.00	6095.00	
Middlesex (shale)	6889.00	6095.00	7011.00	6179.00	
Burket (shale)	7011.00	6179.00	7044.00	6200.00	
Tully (ls)	7044.00	6200.00	7115.00	6239.00	
Mahantango (shale)	7115.00	6239.00	7333.00	6330.00	
Marcellus (shale)	7333.00	6330.00	NA	NA	GAS

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	01/01/2024
Job End Date:	02/10/2024
State:	West Virginia
County:	Marshall
API Number:	47-051-02502-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	DAVID REINBEAU MSH 606H
Latitude:	39.992747
Longitude:	-80.661556
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6478
Total Base Water Volume (gal)*:	27606744
Total Base Non Water Volume:	103014



Water Source	Percent
Surface Water, < 1000TDS	86.00%
Produced Water	14.00%

## 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
Base Water	Operator	Base fluid					
Excelerate LX-15	SWN Well Services	Friction Reducer					
FE-1A	SWN Well Services	Iron Control					
HAI-501	SWN Well Services	Corrosion Inhibitor					
HCL	SWN Well Services	Solvent					RECEIVED Office of Oil and Gas APR 05 2024
MC MX 2-2822	SWN Well Services	Scale Inhibitor					WV Department of Environmental Protection
Sand	SWN Well Services	Proppant					
Tolcide 4Frac	SWN Well	Biocide					

06/14/2024



Services							
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	88.48533	
			Crystalline Silica (Quartz)	14808-60-7	100.00000	11.16207	
			Water	7732-18-5	85.00000	0.22082	
			Hydrochloric acid	7647-01-0	15.00000	0.03897	
			Complex Amine Compound	proprietary	50.00000	0.03895	
			Distillates (petroleum), hydrotreated light	64742-47-8	25.00000	0.01948	
			Water	7732-18-5	18.00000	0.01402	
			Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	45.00000	0.00468	
			Water	7732-18-5	45.00000	0.00468	
			Surfactant	proprietary	5.00000	0.00390	
			Water	7732-18-5	55.00000	0.00153	
			Acetic anhydride	108-24-7	65.00000	0.00085	
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	7.50000	0.00078	
			Ethoxylated alcohols	proprietary	1.00000	0.00078	
			Alkoxylated polyhydric alcohol	proprietary	1.00000	0.00078	
			Methanol	267-56-1	20.00000	0.00056	
			Amines, polyethylenepoly-, ethoxylated, phosphonomethylated, sodiumsalts	70900-16-2	20.00000	0.00056	
			Acetic acid	64-19-7	35.00000	0.00046	
			Ethanol	64-17-5	2.50000	0.00026	
			Methanol	267-56-1	60.00000	0.00025	
			Sodium chloride	7647-14-5	5.00000	0.00014	
			Modified thiourea polymer	proprietary	30.00000	0.00013	
			Propargyl alcohol	107-19-7	5.00000	0.00002	
			Ethoxylated alcohols	proprietary	5.00000	0.00002	

\* 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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