

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

API 47-051-02522 County Marshall District Sand Hill  
Quad Valley Grove Pad Name Michael Southworth Field/Pool Name Panhandle Field - Wet  
Farm name Michael Southworth MSH Well Number 210H  
Operator (as registered with the OOG) Expand Operating LLC  
Address PO Box 12359 City Spring State TX Zip 77391

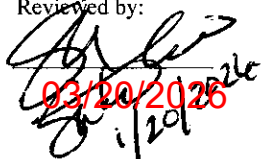
As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,429,243.772 Easting 532,874.344  
Landing Point of Curve Northing 4,429,706.563 Easting 533,166.404  
Bottom Hole Northing 4,425,213.086 Easting 535,123.971

Elevation (ft) 1271 GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary  
Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
SOBM

Date permit issued 2024-10-17 Date drilling commenced 2025-02-01 Date drilling ceased 2025-02-12  
Date completion activities began 2025-07-26 Date completion activities ceased 2025-08-22  
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 632 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1403 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 734 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed by:  
  
03/20/2025

DEC 04 2025  
Environmental Protection

API 47-051 - 02522

Farm name Michael Southworth MSH

Well number 210H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24.000	20.000	136		J-55/94.00		Y
Surface	17.500	13.375	827		J-55/54.50		Y
Coal							
Intermediate 1	12.250	9.625	2,030		J-55/36.00		Y
Intermediate 2							
Intermediate 3							
Production	8.750 -8.500	5.500-5.500	5,962-23,454		P-110/20.00		Y
Tubing							
Packer type and depth set							

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

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	Grout to Surface				Surface	24
Surface	Class A	920	15.6	1.19	0	Surface	8
Coal							
Intermediate 1	Class A	785	15.6	1.18	0	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	4,273	14.5	1.26	0	Surface	24
Tubing							

Drillers TD (ft) 23,454

Loggers TD (ft) 23,454

Deepest formation penetrated Marcellus

Plug back to (ft) \_\_\_\_\_

Plug back procedure N/A

Kick off depth (ft) 5,556

Check all wireline logs run

- caliper   
  density   
  deviated/directional   
  induction  
 neutron   
  resistivity   
  gamma ray   
  temperature   
  sonic

Well cored  Yes  No

Conventional    Sidewall

Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

SURFACE: CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TO

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

WAS WELL COMPLETED OPEN HOLE?  Yes  No    DETAILS \_\_\_\_\_

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

03/20/2026

API 47-051 - 02522

Farm name Michael Southworth MSH

Well number 210H

PERFORATION RECORD

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

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 Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
	SEE AT							

DEC 04 2025

Please insert additional pages as applicable.

API 47- 051 - 02522 Farm name Michael Southworth MSH Well number 210H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6,376	TVD	7,116 MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 1,257 psi Bottom Hole 3,766 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 9,180 mcfpd Oil 1,011 bpd NGL 0 bpd Water 1,134 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		
	SEE ATTACHMENT 3				

RECEIVED  
DEC 04 2025  
Texas Department of  
Environmental Protection

Please insert additional pages as applicable.

Drilling Contractor SWN Drilling Company  
Address PO Box 12395 City Spring State TX Zip 77391-2359

Logging Company Baker Hughes  
Address 9110 Grogans Mill Road City The Woodlands State TX Zip 77380

Cementing Company Schlumberger  
Address 110 Schlumberger Drive City Sugar Land State TX Zip 77478

Stimulating Company SWN Drilling Company  
Address PO Box 12395 City Spring State TX Zip 77391

Please insert additional pages as applicable.

Completed by Eric Haskins Telephone 570 290-8837  
Signature  Title Regulatory Manager Date 10/8/2025

Latitude: 40°02'30"

SURFACE HOLE 8,812'

Latitude: 40°00'00"

BOTTOM HOLE 1,500'

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

Table with 2 columns: Location Name (SHL, LPL, BHL) and UTM Coordinates (NORTHING, EASTING).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Lists lines L1 through L7.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION. Lists line L3.

GRID NORTH UTM, NAD83 DATUM, ZONE 17, US FT

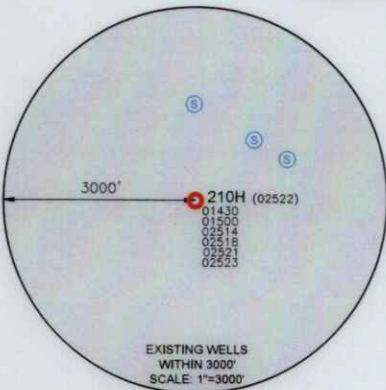
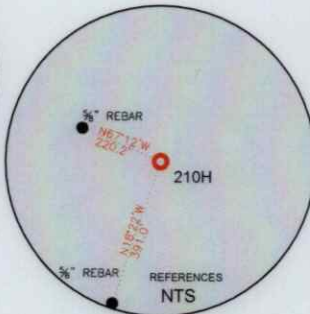
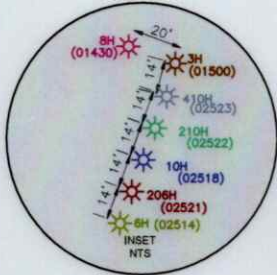


Table with 2 columns: Location Name and UTM Coordinates. Lists SHL, LPL, and BHL locations.

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.
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: expand



(+) 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)

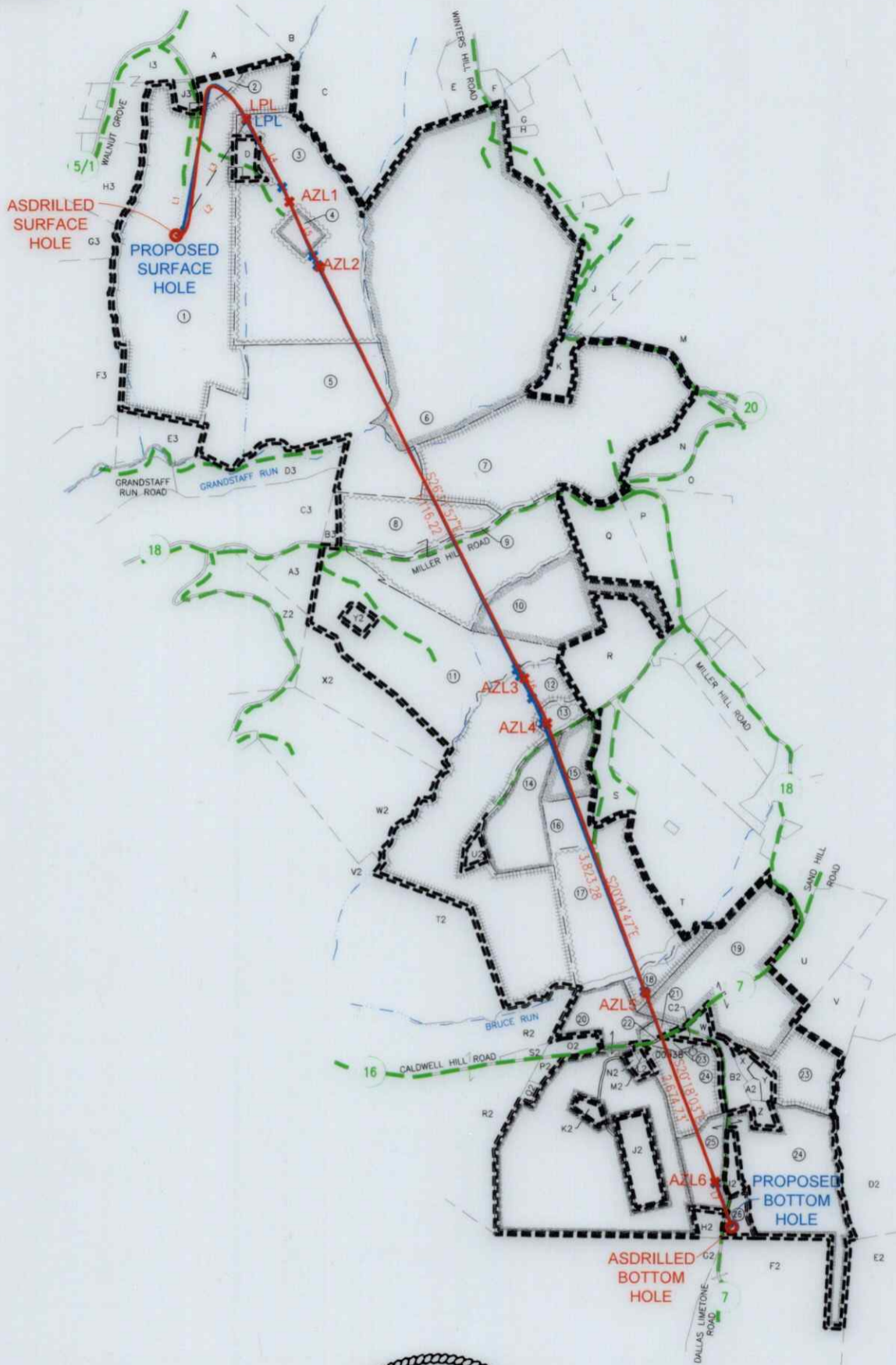
MICHAEL SOUTHWORTH MSH OPERATOR'S WELL #: 210H
API WELL #: 47 STATE 051 COUNTY 02522 PERMIT

WELL TYPE: OIL [ ] WASTE DISPOSAL [ ] PRODUCTION [X] DEEP [ ] GAS [X] LIQUID INJECTION [ ] STORAGE [ ] SHALLOW [X]
WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1271.4'
DISTRICT: SANDHILL COUNTY: MARSHALL QUADRANGLE: VALLEY GROVE, WV
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776
OIL & GAS ROYALTY OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776
DRILL [ ] DRILL DEEPER [ ] REDRILL [ ] FRACTURE OR STIMULATE [ ] PLUG OFF OLD FORMATION [ ] PERFORATE NEW FORMATION [ ]
CONVERT [ ] PLUG & ABANDON [ ] CLEAN OUT & REPLUG [ ] OTHER CHANGE [X] (SPECIFY) ASDRILLED 03/20/2026
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,570 TVD 23,454 TMD

WELL OPERATOR: EXPAND OPERATING 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

Table with 2 columns: LEGEND (Proposed Surface Hole, Existing Wellhead, LPL, Existing Water Well, Existing Spring, Surveyed Boundary, Drilling Unit, Lease Boundary, ASDRILLED Path, Proposed Path) and REVISIONS (Date, Drawn By, Scale, Drawing No, Well Location Plat).

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



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P.S. 708

*David L Jackson*



03/20/2026


REVISIONS:	COMPANY:	<b>expand</b>	
	OPERATOR'S MICHAEL SOUTHWORTH MSH	API #:	DATE: 11-20-2025
	WELL #: 210H	47-051-02522	DRAWN BY: N. MANO
	DISTRICT: SANDHILL	COUNTY: MARSHALL	SCALE: N/A
		STATE: WV	DRAWING NO:
			WELL LOCATION PLAT 2

JACKSON SURVEYING  
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 304-623-5851

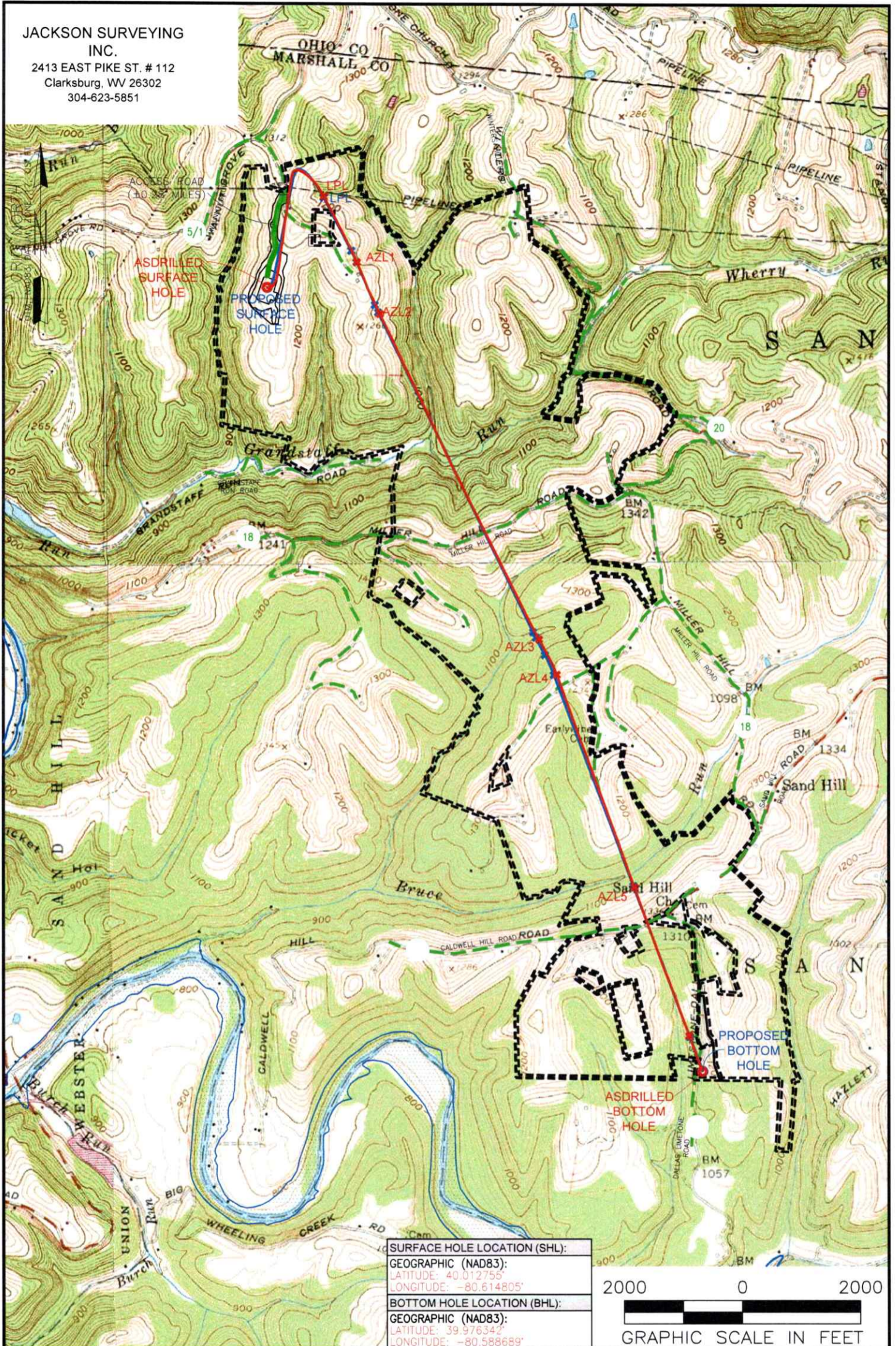
WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S)	12-2-10
2	LITMAN BARRY A (S)	12-2-10.2
3	REINEKE RICHARD S (S)	12-2-9
4	REINEKE RICHARD S (S)	12-2-9.2
5	TDL&G LLC (S)	12-2-8
6	TUBAUGH NORMA HUNTER ET AL (S)	12-2-5
7	TOTH JOHN J SR & ALICE J REVOCABLE TRUST (S)	12-8-1
8	TOTH JOHN J SR & ALICE TRUST (S)	12-8-4
9	W VA DEPT OF HIGHWAYS (S)	MILLER HILL RD
10	CORNELL SALLY SEIBERT & ROBERT (S)	12-8-5
11	RICHEY RANDY ET UX (S)	12-8-35
12	TOLAND WILLIAM EUGENE ET AL (S)	12-8-33
13	TOLAND CARRIE M (S)	12-8-33.1
14	TOLAND MARGARET (S)	12-8-32
15	JOHNSON LONI M & JAMES A (S)	12-8-31.1
16	WINTERS BEVERLY DIANE (S)	12-8-31.2
17	WINTERS BEVERLY DIANE (S)	12-11-6
18	STORCH JOSEPH WILLIAM ET UX (S)	12-11-7
19	STORCH JOSEPH WILLIAM ET UX (S)	12-11-12
20	GRAY DONALD G - TOD & WYATT MATTHEW (S)	12-11-8
21	GRAY WYATT MATTHEW (S)	12-11-8.6
22	W VA DEPT OF HIGHWAYS (S)	CALDWELL HILL RD
23	SANDHILL CEMETERY TRUST (S)	12-11-10.2
24	KLAGES MARY ANN (S)	12-11-10
25	HILLBERRY GARRY L (S)	12-11-9
26	LOUGHERY JAMES P JR. & BROOK ROBIN M (S)	12-11-9.2

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	VELLENOWETH SCOTT U ET UX	12-2-1.1
B	BLATT THERESA L	12-2-23
C	BAIRD FAMILY TRUST	12-2-2
D	GREGORY JOHN W ET UX	12-2-9.1
E	MCFARLAND DANIEL W & VICKI L	12-2-24
F	MCFARLAND DANIEL W JR	12-2-4.1
G	HUNTER RODNEY J	12-3-14
H	HUNTER MARILYN DARLENE	12-3-14.2
I	MCFARLAND BRIAN MATTHEW	12-3-12.1
J	GANTZER GREGORY	12-3-12
K	PARKER PETER	12-2-6
L	GANTZER GREGORY	12-3-11.1
M	MCVICKER R G JR	12-3-11
N	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-11
O	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-12
P	GODDARD THERESA M	12-8-9
Q	GODDARD THERESA M	12-8-8
R	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-6
S	ALAMINSKI LUCINDA RUTH	12-8-31.3
T	GRAY ZANDE C	12-8-30
U	STORCH LOIS M	12-11-12.2
V	STORCH JOSEPH WILLIAM ET UX	12-11-13
W	M E CHURCH TRUSTEES	12-11-11
X	KLAGES RONALD N	12-11-10.3
Y	HAZLETT KELLI & JUDITH BURGESS	OUTSALE FROM 12-11-10
Z	HILLBERRY BRANDON	12-11-9.4
A2	HAZLETT KELLI	12-11-10.1
B2	KEYSER MARY ANN	12-11-10.4
C2	M E CHURCH	12-11-17
D2	ULLOM BRIAN KEITH & SARAH ANN	12-11-14.3
E2	STRAWN JENNIFER	12-11-14.2
F2	JUNKINS RONALD DJR ET AL	12-11-15
G2	THOMAS RICHARD LEE BARTON	12-11-16
H2	HILLBERRY PAUL E JR	12-11-9.3
I2	HOWARD JOYCE	12-11-9.1
J2	OHIO COUNTY COAL RESOURCES INC	12-11-8.8
K2	RAYMOND JOHN	12-11-8.9
L2	RUNKLE MICHELL LEE	12-11-8.7
M2	GRAY DONALD G ET UX - TOD	12-11-8.2
N2	RUNKLE MICHELL LEE	12-11-8.1
O2	GRAY WYATT MATTHEW	12-11-8.5
P2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-8.3
Q2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-8.4
R2	TEMPLE TERRY L & BEVERLY J -TOD	12-11-4
S2	TEMPLE DONALD LEE	12-11-4.1
T2	TOLAND SONDR A J & WILLIAM E	12-9-17
U2	TOLAND DAVID ET UX	12-8-33.2
V2	MERINAR CALVIN C - LIFE	12-9-18
W2	MERINAR CALVIN C - LIFE	12-9-16
X2	MERINAR CALVIN C - LIFE	12-8-34
Y2	RICHEY DUSTIN & FELICIA	12-8-35.1
Z2	MERINAR JAMES MARTIN ET UX	12-9-15.1
A3	MERINAR CALVIN C - LIFE	12-9-15
B3	TOTH JOHN J SR & ALICE TRUST	12-8-4.1
C3	PORTER CARLA S	12-9-13
D3	G F P CORP	12-2-7
E3	G F P CORP	12-2-12
F3	WV BRIGHTMONT LLC	12-2-14
G3	EDGE WILLIAM F JR - TOD ET AL	12-2-15
H3	EDGE WILLIAM F JR - TOD ET AL	12-2-16
I3	LITMAN JAMES M & LUCY A	12-2-16.1
J3	RADCLIFFE JOHN D & ANNA M	12-2-10.1

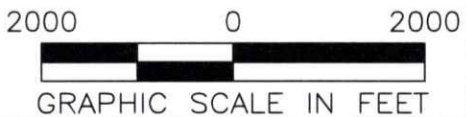
03/20/2026

REVISIONS:	COMPANY:		
			
	OPERATOR'S MICHAEL SOUTHWORTH MSH	API #:	DATE: 11-20-2025
	WELL #:	47-051-02522	DRAWN BY: N. MANO
	DISTRICT:	STATE:	SCALE: N/A
	SANDHILL	WV	DRAWING NO:
			WELL LOCATION PLAT 3

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



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.012755°
LONGITUDE: -80.614805°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.976342°
LONGITUDE: -80.588689°



**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.

<b>LEGEND:</b>	PROPOSED SURFACE HOLE / BOTTOM HOLE	PUBLIC ROAD
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD TO PREV. SITE	LEASE BOUNDARY
LPL* LANDING POINT LOCATION	PROPOSED PATH	ASDRILLED PATH
FLOOD PLAIN		

03/20/2026

WELL OPERATOR: EXPAND OPERATING LLC	WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH	WELL # 210H	SERIAL #
ADDRESS: 1300 FORT PIERPONT RD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; SANDHILL	
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN	USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV	API #: 47-051-02522	

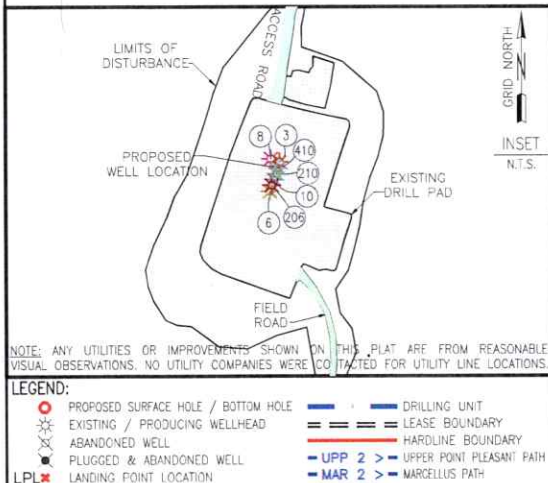


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<b>SURFACE HOLE LOCATION (SHL):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.012753	LONGITUDE: -80.614802
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,531,610.610	EASTING: 1,748,271.910
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,243.772	EASTING: 532,874.344
<b>TURNING POINT LOCATION-1 (TPL1):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.012744	LONGITUDE: -80.614733
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,531,607.200	EASTING: 1,748,291.220
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,242.733	EASTING: 532,880.230
<b>TURNING POINT LOCATION-2 (TPL2):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.013562	LONGITUDE: -80.614201
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,531,904.950	EASTING: 1,748,410.840
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,333.487	EASTING: 532,916.690
<b>TURNING POINT LOCATION-3 (TPL3):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.018032	LONGITUDE: -80.613141
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,533,534.800	EASTING: 1,748,718.400
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,630.267	EASTING: 533,013.482
<b>LANDING POINT LOCATION (LPL):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.016912	LONGITUDE: -80.611356
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,533,128.950	EASTING: 1,749,230.110
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,706.563	EASTING: 533,166.404
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.014450	LONGITUDE: -80.609709
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,532,234.480	EASTING: 1,749,699.070
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,433.928	EASTING: 533,306.124

<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.013923	LONGITUDE: -80.609389
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,532,043.190	EASTING: 1,749,785.750
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,379.623	EASTING: 533,335.748
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.011928	LONGITUDE: -80.608288
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,531,318.140	EASTING: 1,750,096.970
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,154.627	EASTING: 535,430.623
<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 40.011365	LONGITUDE: -80.608089
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,531,193.380	EASTING: 1,750,154.100
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,429,116.600	EASTING: 533,449.037
<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.996748	LONGITUDE: -80.598792
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,525,601.980	EASTING: 1,752,080.780
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,427,473.298	EASTING: 534,249.641
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.996497	LONGITUDE: -80.598628
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,525,710.970	EASTING: 1,752,827.110
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,427,445.599	EASTING: 534,762.772
<b>AZIMUTH POINT LOCATION-7 (AZL7):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.995689	LONGITUDE: -80.598075
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,525,417.060	EASTING: 1,752,983.510
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,427,355.975	EASTING: 534,310.442

<b>AZIMUTH POINT LOCATION-8 (AZL8):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.994766	LONGITUDE: -80.597540
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,525,082.690	EASTING: 1,753,134.800
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,427,254.058	EASTING: 534,356.556
<b>AZIMUTH POINT LOCATION-9 (AZL9):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.994992	LONGITUDE: -80.592799
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,521,520.540	EASTING: 1,754,478.840
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,426,168.313	EASTING: 534,766.220
<b>AZIMUTH POINT LOCATION-10 (AZL10):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.984942	LONGITUDE: -80.592796
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,521,510.640	EASTING: 1,754,469.960
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,426,165.295	EASTING: 534,767.354
<b>AZIMUTH POINT LOCATION-11 (AZL11):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.977945	LONGITUDE: -80.589430
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,518,967.060	EASTING: 1,755,434.470
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,425,390.011	EASTING: 535,057.497
<b>BOTTOM HOLE LOCATION (BHL):</b>	
<b>GEOGRAPHIC (NAD83):</b>	
LATITUDE: 39.976348	LONGITUDE: -80.588661
<b>UTM (NAD83, ZONE 17, FEET):</b>	
NORTHING: 14,518,386.600	EASTING: 1,755,652.960
<b>UTM (NAD83, ZONE 17, METERS):</b>	
NORTHING: 4,425,213.088	EASTING: 535,123.971



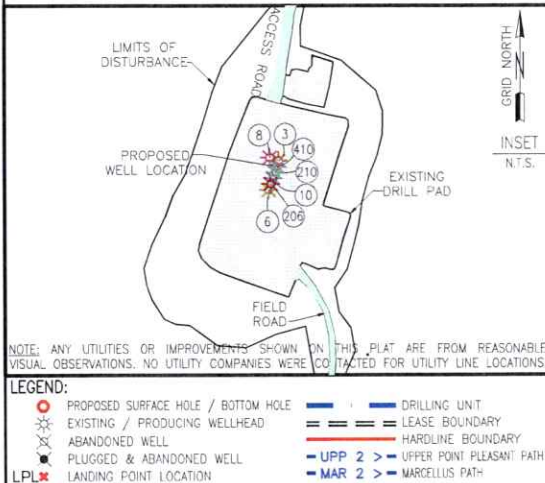
<b>COMPANY:</b>		
<b>OPERATOR'S</b> MICHAEL SOUTHWORTH MSH		
<b>WELL #:</b> 210H		
<b>DISTRICT:</b> SANDHILL	<b>COUNTY:</b> MARSHALL	<b>STATE:</b> WV
<b>SWN PRODUCTION COMPANY, LLC SURFACE HOLES</b>		
3. "MICHAEL SOUTHWORTH MSH 3H"		
6. "MICHAEL SOUTHWORTH MSH 6H"		
8. "MICHAEL SOUTHWORTH MSH 8H"		
10. "MICHAEL SOUTHWORTH MSH 10H"		
206. "MICHAEL SOUTHWORTH MSH 206H"		
210. "MICHAEL SOUTHWORTH MSH 210H"		
410. "MICHAEL SOUTHWORTH MSH 410H"		
<b>REVISIONS:</b>		<b>DATE:</b> 11-20-2025
		<b>DRAWN BY:</b> N. MANO
		<b>SCALE:</b> 1" = 2000'
		<b>DRAWING NO:</b>
		<b>INTERNAL WELL PLAT #:</b>

03/20/2026

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

<b>SURFACE HOLE LOCATION (SHL):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.012679°
LONGITUDE:	-80.615004°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	552,899.595
EASTING:	1,687,686.243
<b>TURNING POINT LOCATION-1 (TPL1):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.012679°
LONGITUDE:	-80.614935°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	552,899.86
EASTING:	1,687,705.500
<b>TURNING POINT LOCATION-2 (TPL2):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.013489°
LONGITUDE:	-80.614503°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	553,191.669
EASTING:	1,687,830.124
<b>TURNING POINT LOCATION-3 (TPL3):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.017958°
LONGITUDE:	-80.613344°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	554,816.539
EASTING:	1,688,175.018
<b>LANDING POINT LOCATION (LPL):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.016838°
LONGITUDE:	-80.611558°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	554,402.202
EASTING:	1,688,670.026
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.014378°
LONGITUDE:	-80.608912°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	553,499.169
EASTING:	1,689,129.100
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.013849°
LONGITUDE:	-80.608591°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	553,306.912
EASTING:	1,689,207.545
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.011854°
LONGITUDE:	-80.608491°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	552,576.499
EASTING:	1,689,506.736
<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	40.011511°
LONGITUDE:	-80.608283°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	552,456.757
EASTING:	1,689,561.788

<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.996673°
LONGITUDE:	-80.598995°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	547,014.246
EASTING:	1,692,098.698
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.996423°
LONGITUDE:	-80.598831°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	546,922.440
EASTING:	1,692,143.545
<b>AZIMUTH POINT LOCATION-7 (AZL7):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.995614°
LONGITUDE:	-80.598277°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	546,625.847
EASTING:	1,692,295.058
<b>AZIMUTH POINT LOCATION-8 (AZL8):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.994693°
LONGITUDE:	-80.597743°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	546,258.871
EASTING:	1,692,440.785
<b>AZIMUTH POINT LOCATION-9 (AZL9):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.984894°
LONGITUDE:	-80.593002°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	542,703.448
EASTING:	1,693,725.512
<b>AZIMUTH POINT LOCATION-10 (AZL10):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.984867°
LONGITUDE:	-80.592959°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	542,693.453
EASTING:	1,693,729.067
<b>AZIMUTH POINT LOCATION-11 (AZL11):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.977870°
LONGITUDE:	-80.589632°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	540,133.418
EASTING:	1,694,638.624
<b>BOTTOM HOLE LOCATION (BHL):</b>	
<b>GEOGRAPHIC (NAD27):</b>	
LATITUDE:	39.976273°
LONGITUDE:	-80.589863°
<b>STATE PLANE (NAD 27), WVN, FT.:</b>	
NORTHING:	539,549.182
EASTING:	1,694,647.049



<b>COMPANY:</b>			
<b>OPERATOR'S</b>		MICHAEL SOUTHWORTH MSH	
<b>WELL #:</b>		210H	
<b>DISTRICT:</b>	SANDHILL	<b>COUNTY:</b>	MARSHALL
<b>STATE:</b>	WV		
<b>SWN PRODUCTION COMPANY, LLC SURFACE HOLES</b>			
3. "MICHAEL SOUTHWORTH MSH 3H"			
6. "MICHAEL SOUTHWORTH MSH 6H"			
8. "MICHAEL SOUTHWORTH MSH 8H"			
10. "MICHAEL SOUTHWORTH MSH 10H"			
206. "MICHAEL SOUTHWORTH MSH 206H"			
210. "MICHAEL SOUTHWORTH MSH 210H"			
410. "MICHAEL SOUTHWORTH MSH 410H"			
<b>REVISIONS:</b>		<b>DATE:</b> 11-20-2025	
		<b>DRAWN BY:</b> N. MANO	
		<b>SCALE:</b> 1" = 2000'	
		<b>DRAWING NO.:</b>	
		<b>INTERNAL WELL PLAT #:</b>	

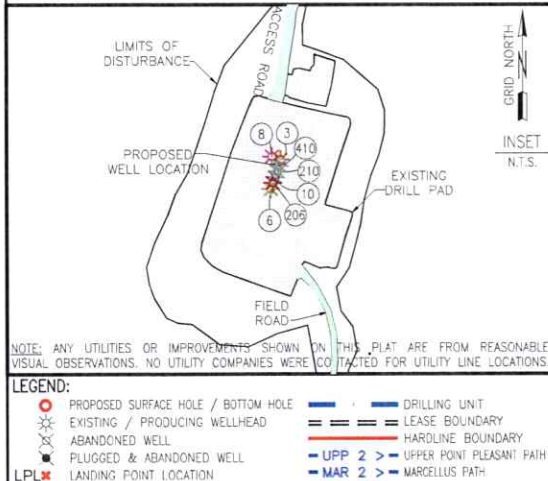
03/20/2026

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

<b>SURFACE HOLE LOCATION (SHL):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 40.012755° LONGITUDE: -80.614805°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,541,611.083 EASTING: 1,748,771.076	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,243.917 EASTING: 532,674.090	
<b>LANDING POINT LOCATION (LPL):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 40.016977° LONGITUDE: -80.611561°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,533,152.570 EASTING: 1,749,228.660	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,713.793 EASTING: 533,165.962	
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 40.013422° LONGITUDE: -80.609372°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,533,042.930 EASTING: 1,744,780.879	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,575.935 EASTING: 533,337.324	
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 40.011523° LONGITUDE: -80.607950°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,171.050 EASTING: 1,750,183.890	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,109.794 EASTING: 533,457.089	
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 39.996420° LONGITUDE: -80.598425°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,526,683.180 EASTING: 1,752,684.063	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,437.385 EASTING: 534,286.130	

<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 39.994781° LONGITUDE: -80.597362°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,525,087.860 EASTING: 1,753,184.480	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,255.634 EASTING: 534,371.698	
<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 39.984934° LONGITUDE: -80.592734°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,521,496.970 EASTING: 1,754,497.110	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,611.129 EASTING: 534,771.783	
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 39.979003° LONGITUDE: -80.583463°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,518,968.380 EASTING: 1,755,425.110	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,396.512 EASTING: 535,054.644	
<b>BOTTOM HOLE LOCATION (BHL):</b>	
GEOGRAPHIC (NAD83): LATITUDE: 39.976342° LONGITUDE: -80.588659°	
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,518,384.340 EASTING: 1,755,644.680	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,212.397 EASTING: 535,121.569	

<b>SURFACE HOLE LOCATION (SHL):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 40.012691° LONGITUDE: -80.615007°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 552,909.892 EAST NG: 1,687,685.417	
<b>LANDING POINT LOCATION (LPL):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 40.016903° LONGITUDE: -80.611563°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 554,425.952 EAST NG: 1,688,668.973	
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 40.013648° LONGITUDE: -80.609572°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 553,306.536 EAST NG: 1,688,212.711	
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 40.011443° LONGITUDE: -80.608163°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 554,427.825 EAST NG: 1,688,591.120	
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 39.993444° LONGITUDE: -80.598628°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 546,893.640 EAST NG: 1,692,706.040	
<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 39.994707° LONGITUDE: -80.597565°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 546,293.210 EAST NG: 1,692,480.560	
<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 39.984823° LONGITUDE: -80.592937°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 542,679.567 EAST NG: 1,693,743.392	
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 39.979228° LONGITUDE: -80.588665°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 543,541.905 EAST NG: 1,694,639.619	
<b>BOTTOM HOLE LOCATION (BHL):</b>	
GEOGRAPHIC (NAD27): LATITUDE: 39.976267° LONGITUDE: -80.588692°	
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 539,547.053 EAST NG: 1,694,839.130	

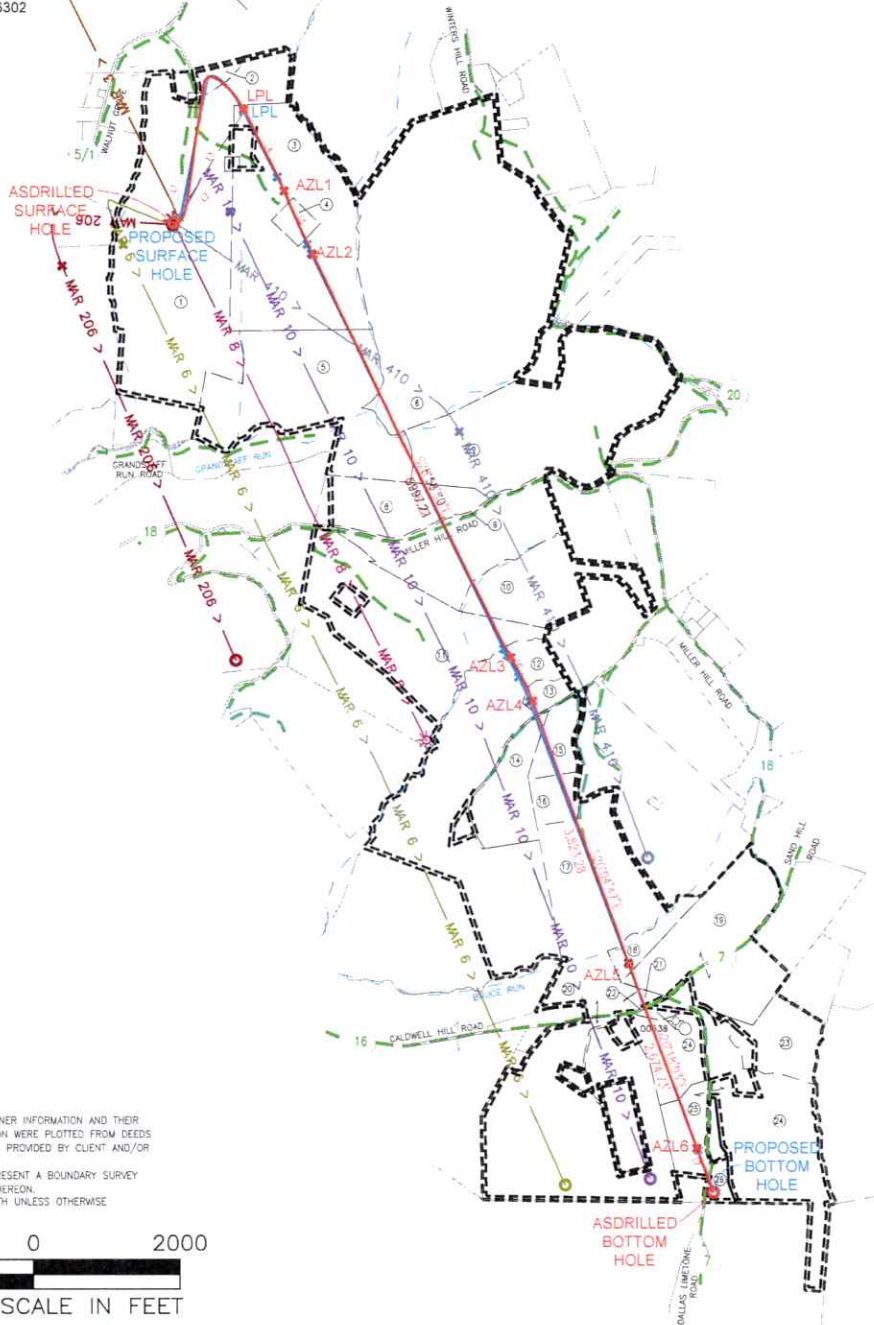


COMPANY:			
OPERATOR'S		MICHAEL SOUTHWORTH MSH	
WELL #:		210H	
DISTRICT:	SANDHILL	COUNTY:	MARSHALL
		STATE:	WV
SWN PRODUCTION COMPANY, LLC SURFACE HOLES			
3. "MICHAEL SOUTHWORTH MSH 3H"			
6. "MICHAEL SOUTHWORTH MSH 6H"			
8. "MICHAEL SOUTHWORTH MSH 8H"			
10. "MICHAEL SOUTHWORTH MSH 10H"			
206. "MICHAEL SOUTHWORTH MSH 206H"			
210. "MICHAEL SOUTHWORTH MSH 210H"			
410. "MICHAEL SOUTHWORTH MSH 410H"			
REVISIONS:		DATE: 11-20-2025	
DRAWN BY: N. MANO		SCALE: 1" = 2000'	
DRAWING NO:		INTERNAL WELL PLAT 3	
PROPERTY NUMBER 2501155607		PAD ID 3001155600	

03/20/2026

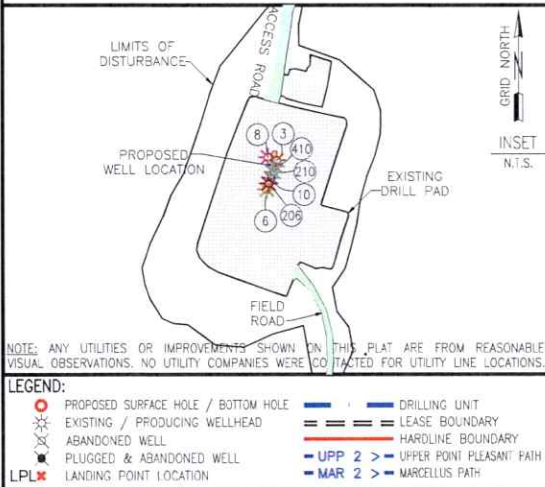
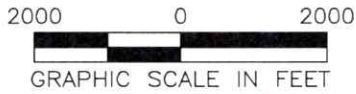
JACKSON SURVEYING  
INC.  
2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT



**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.



GRID NORTH  
INSET  
N.T.S.

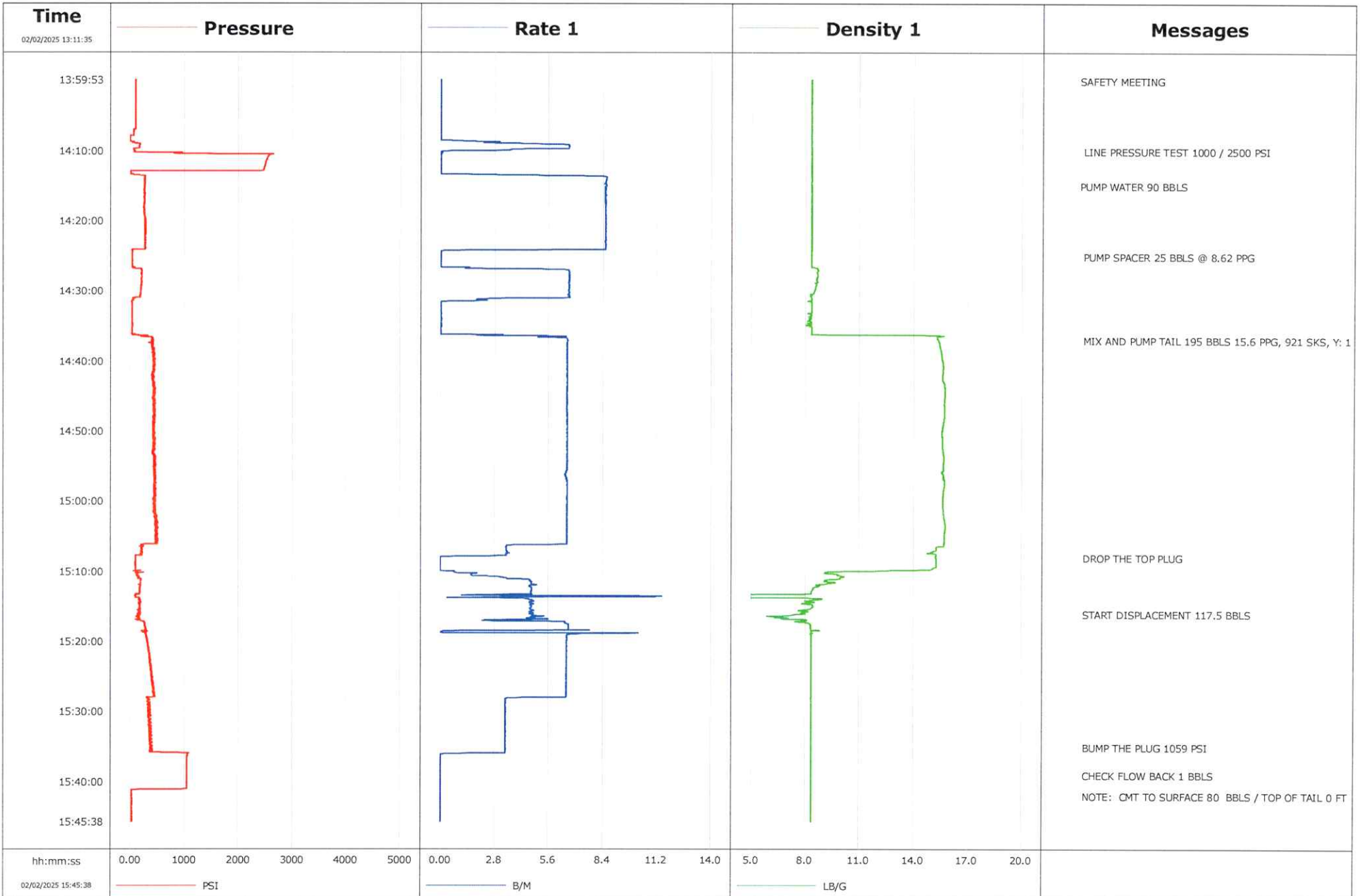
COMPANY:		
OPERATOR'S		
MICHAEL SOUTHWORTH MSH		
WELL #:		
210H		
DISTRICT:	COUNTY:	STATE:
SANDHILL	MARSHALL	WV
SWM PRODUCTION COMPANY, LLC SURFACE HOLES		
3. "MICHAEL SOUTHWORTH MSH 3H"		
6. "MICHAEL SOUTHWORTH MSH 6H"		
8. "MICHAEL SOUTHWORTH MSH 8H"		
10. "MICHAEL SOUTHWORTH MSH 10H"		
206. "MICHAEL SOUTHWORTH MSH 206H"		
210. "MICHAEL SOUTHWORTH MSH 210H"		
410. "MICHAEL SOUTHWORTH MSH 410H"		
REVISIONS:	DATE: 11-20-2025	
	DRAWN BY: N. MANO	
	SCALE: 1" = 2000'	
	DRAWING NO:	
	INTERNAL WELL PLAT	

NOTE: ANY UTILITIES OR IMPROVEMENTS SHOWN ON THIS PLAT ARE FROM REASONABLE VISUAL OBSERVATIONS. NO UTILITY COMPANIES WERE CONTACTED FOR UTILITY LINE LOCATIONS.

	PROPOSED SURFACE HOLE / BOTTOM HOLE		DRILLING UNIT
	EXISTING / PRODUCING WELLHEAD		LEASE BOUNDARY
	ABANDONED WELL		HARDLINE BOUNDARY
	PLUGGED & ABANDONED WELL		UPPER POINT PLEASANT FAIR
	LANDING POINT LOCATION		MARCELLUS PATH

02/20/2026

<b>Well</b>	MICHAEL SOUTHWORTH MSH 210H	<b>Client</b>	SWN
<b>Field</b>	Marshall	<b>SIR No.</b>	A.1059713.12.20
<b>Engineer</b>	RAUL SEGOVIA	<b>Job Type</b>	13 3/8 IN CASING
<b>Country</b>	United States	<b>Job Date</b>	02-02-2025





# Cementing Service Report

				Customer SWN				Job Number A.1059713.12.20									
Well MICHAEL SOUTHWORTH MSH 210H 210H				Location (legal) SDC-41				Schlumberger Location				Job Start Feb/02/2025					
Field Marshall		Formation Name/Type Limestone		Deviation 0 deg		Bit Size 17.5 in		Well MD 817.0 ft		Well TVD 817.0 ft							
County Marshall		State/ProvinWEST VIRGINIA		BHP 287 psi		BHST 69 degF		BHCT 80 degF		Pore Press. Gradient 245.00 lb/gal							
Well Master 0067427315		API/UWI 47-051-01562-00-00															
Rig Name SDC-41		Drilled For Gas		Service Via Land		Casing/Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone N/A		Well Class New		Well Type Development		136.0		20.0		94.0		J55		BUTT			
						807.0		13.4		54.5		J55		BUTT			
Drilling Fluid Type AIR		Max. Density 0.00 lb/gal		Plastic Viscosity 0.000 cP		Tubing/Drill Pipe											
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type 13 3/8 IN CASING															
Max. Allowed Tub. Press 2730 psi		Max. Allowed Ann. Press 1130 psi		WH Connection Single Cement head		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval		0.0 ft	
						0.0 ft		0.0 ft		0.00		0				Diameter	
						0.0 ft		0.0 ft		0.00		0				0.000 in	
						0.0 ft		0.0 ft		0.00		0					
						Treat Down Casing		Displacement 117.5 bbl		Packer Type None		Packer Depth 0.0 ft					
						Tubing Vol. 0.0 bbl		Casing Vol. 124.7 bbl		Annular Vol. 108.0 bbl		Openhole Vol. 83.0 bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools				Squeeze Job							
Lift Pressure 245 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type Float		Shoe Depth 807.0 ft		Squeeze Type		Tool Type					
No. Centralizers 0		Top Plugs 1		Bottom Plugs 0		Stage Tool Type 1		Stage Tool Depth 1.0 ft		Tool Depth ft		Tail Pipe Size in					
Cement Head Type Single		Job Scheduled For Feb/02/2025 02:30		Arrived on Location Feb/02/2025 02:30		Leave Location Feb/02/2025 18:00		Collar Type Float		Collar Depth 760.0 ft		Tail Pipe Depth ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message										
02/02/2025	13:11:35	131	2.1	8.02	0.0	0.18											
02/02/2025	13:11:45	420	6.0	8.04	0.7	0.18											
02/02/2025	13:11:55	104	2.1	8.26	1.5	0.18											
02/02/2025	13:12:05	441	4.7	8.30	1.9	0.18											
02/02/2025	13:12:15	121	4.6	8.34	2.8	0.18											
02/02/2025	13:12:25	100	0.2	8.45	3.0	0.18											
02/02/2025	13:12:35	302	0.2	8.42	3.1	0.17											
02/02/2025	13:12:45	132	0.1	8.39	3.1	0.18											
02/02/2025	13:12:55	348	0.0	8.42	3.1	0.17											
02/02/2025	13:13:05	178	0.0	8.41	3.1	0.17											
02/02/2025	13:13:15	328	0.0	8.44	3.1	0.18											
02/02/2025	13:13:25	114	0.0	8.37	3.1	0.17											
02/02/2025	13:13:35	159	2.5	8.33	3.3	0.17											
02/02/2025	13:13:45	166	0.1	8.34	3.5	0.17											
02/02/2025	13:13:55	149	0.0	8.34	3.5	0.17											
02/02/2025	13:14:05	145	0.0	8.34	3.5	0.17											
02/02/2025	13:14:15	140	0.0	8.34	3.5	0.17											
02/02/2025	13:14:25	136	0.0	8.34	3.5	0.17											
02/02/2025	13:14:35	130	0.0	8.34	3.5	0.17											
02/02/2025	13:14:45	140	0.0	8.34	3.5	0.16											
02/02/2025	13:14:55	129	0.0	8.34	3.5	0.16											

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	13:15:15	123	0.0	8.34	3.6	0.16			
02/02/2025	13:15:25	132	0.0	8.34	3.6	0.16			
02/02/2025	13:15:35	131	0.0	8.34	3.6	0.15			
02/02/2025	13:15:45	121	0.0	8.34	3.6	0.15			
02/02/2025	13:15:55	124	0.0	8.34	3.6	0.15			
02/02/2025	13:16:05	123	0.0	8.34	3.6	0.15			
02/02/2025	13:16:15	123	0.0	8.34	3.6	0.15			
02/02/2025	13:16:25	123	0.0	8.34	3.6	0.15			
02/02/2025	13:16:35	122	0.0	8.34	3.6	0.15			
02/02/2025	13:16:45	122	0.0	8.34	3.6	0.15			
02/02/2025	13:16:55	122	0.0	8.34	3.6	0.15			
02/02/2025	13:17:05	121	0.0	8.34	3.6	0.15			
02/02/2025	13:17:15	120	0.0	8.34	3.6	0.15			
02/02/2025	13:17:25	121	0.0	8.34	3.6	0.15			
02/02/2025	13:17:35	120	0.0	8.34	3.6	0.15			
02/02/2025	13:17:45	120	0.0	8.34	3.6	0.15			
02/02/2025	13:17:55	120	0.0	8.34	3.6	0.15			
02/02/2025	13:18:05	120	0.0	8.34	3.6	0.15			
02/02/2025	13:18:15	120	0.0	8.34	3.6	0.15			
02/02/2025	13:18:25	120	0.0	8.34	3.6	0.15			
02/02/2025	13:18:35	123	0.0	8.34	3.6	0.15			
02/02/2025	13:18:45	122	0.0	8.34	3.6	0.15			
02/02/2025	13:18:55	121	0.0	8.34	3.6	0.15			
02/02/2025	13:19:05	122	0.0	8.34	3.6	0.15			
02/02/2025	13:19:15	125	0.0	8.34	3.6	0.15			
02/02/2025	13:19:25	124	0.0	8.34	3.7	0.15			
02/02/2025	13:19:35	126	0.0	8.35	3.7	0.15			
02/02/2025	13:19:45	127	0.0	8.35	3.7	0.15			
02/02/2025	13:19:55	127	0.0	8.35	3.7	0.15			
02/02/2025	13:20:05	126	0.0	8.35	3.7	0.15			
02/02/2025	13:20:15	124	0.0	8.35	3.7	0.15			
02/02/2025	13:20:25	122	0.0	8.35	3.7	0.15			
02/02/2025	13:20:35	120	0.0	8.35	3.7	0.15			
02/02/2025	13:20:45	120	0.0	8.35	3.7	0.15			
02/02/2025	13:20:55	126	0.0	8.35	3.7	0.15			
02/02/2025	13:21:05	125	0.0	8.35	3.7	0.15			
02/02/2025	13:21:15	119	0.0	8.35	3.7	0.15			
02/02/2025	13:21:25	120	0.0	8.35	3.7	0.15			
02/02/2025	13:21:35	125	0.0	8.35	3.7	0.15			
02/02/2025	13:21:45	125	0.0	8.35	3.7	0.15			
02/02/2025	13:21:55	119	0.0	8.35	3.7	0.15			
02/02/2025	13:22:05	122	0.0	8.35	3.7	0.15			
02/02/2025	13:22:15	122	0.0	8.35	3.7	0.15			
02/02/2025	13:22:25	121	0.0	8.35	3.7	0.15			
02/02/2025	13:22:35	124	0.0	8.35	3.7	0.15			
02/02/2025	13:22:45	124	0.0	8.35	3.7	0.15			
02/02/2025	13:22:55	123	0.0	8.35	3.7	0.15			
02/02/2025	13:23:05	122	0.0	8.35	3.7	0.15			
02/02/2025	13:23:15	124	0.0	8.35	3.7	0.15			
02/02/2025	13:23:25	118	0.0	8.35	3.7	0.15			
02/02/2025	13:23:35	116	0.0	8.35	3.7	0.15			
02/02/2025	13:23:45	123	0.0	8.35	3.8	0.15			
02/02/2025	13:23:55	123	0.0	8.35	3.8	0.15			
02/02/2025	13:24:05	119	0.0	8.35	3.8	0.15			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/N	Density LB/G	Volume BBL	CPFI_MIX_DENSITY LB/G	Message		
02/02/2025	13:24:25	120	0.0	8.35	3.8	0.15			
02/02/2025	13:24:35	119	0.0	8.35	3.8	0.15			
02/02/2025	13:24:45	122	0.0	8.35	3.8	0.15			
02/02/2025	13:24:55	122	0.0	8.35	3.8	0.15			
02/02/2025	13:25:05	122	0.0	8.35	3.8	0.15			
02/02/2025	13:25:15	122	0.0	8.35	3.8	0.15			
02/02/2025	13:25:25	123	0.0	8.35	3.8	0.15			
02/02/2025	13:25:35	123	0.0	8.35	3.8	0.15			
02/02/2025	13:25:45	118	0.0	8.35	3.8	0.15			
02/02/2025	13:25:55	122	0.0	8.35	3.8	0.15			
02/02/2025	13:26:05	122	0.0	8.35	3.8	0.15			
02/02/2025	13:26:15	122	0.0	8.35	3.8	0.15			
02/02/2025	13:26:25	123	0.0	8.35	3.8	0.15			
02/02/2025	13:26:35	117	0.0	8.35	3.8	0.15			
02/02/2025	13:26:45	117	0.0	8.35	3.8	0.15			
02/02/2025	13:26:55	121	0.0	8.35	3.8	0.16			
02/02/2025	13:27:05	122	0.0	8.35	3.8	0.15			
02/02/2025	13:27:15	121	0.0	8.35	3.8	0.15			
02/02/2025	13:27:25	121	0.0	8.35	3.8	0.15			
02/02/2025	13:27:35	122	0.0	8.35	3.8	0.15			
02/02/2025	13:27:45	119	0.0	8.35	3.8	0.15			
02/02/2025	13:27:55	115	0.0	8.35	3.8	0.15			
02/02/2025	13:28:05	120	0.0	8.35	3.8	0.15			
02/02/2025	13:28:15	122	0.0	8.35	3.9	0.15			
02/02/2025	13:28:25	117	0.0	8.35	3.9	0.15			
02/02/2025	13:28:35	113	0.0	8.35	3.9	0.15			
02/02/2025	13:28:45	117	0.0	8.35	3.9	0.15			
02/02/2025	13:28:55	115	0.0	8.35	3.9	0.15			
02/02/2025	13:29:05	116	0.0	8.35	3.9	0.16			
02/02/2025	13:29:15	119	0.0	8.35	3.9	0.16			
02/02/2025	13:29:25	119	0.0	8.35	3.9	0.16			
02/02/2025	13:29:35	119	0.0	8.35	3.9	0.16			
02/02/2025	13:29:45	119	0.0	8.35	3.9	0.16			
02/02/2025	13:29:55	121	0.0	8.35	3.9	0.16			
02/02/2025	13:30:05	116	0.0	8.35	3.9	0.16			
02/02/2025	13:30:15	121	0.0	8.35	3.9	0.15			
02/02/2025	13:30:25	122	0.0	8.35	3.9	0.16			
02/02/2025	13:30:45	121	0.0	8.35	3.9	0.16			
02/02/2025	13:30:55	121	0.0	8.35	3.9	0.16			
02/02/2025	13:31:05	121	0.0	8.35	3.9	0.16			
02/02/2025	13:31:15	121	0.0	8.35	3.9	0.16			
02/02/2025	13:31:25	120	0.0	8.35	3.9	0.16			
02/02/2025	13:31:35	120	0.0	8.35	3.9	0.16			
02/02/2025	13:31:45	121	0.0	8.35	3.9	0.15			
02/02/2025	13:31:55	120	0.0	8.35	3.9	0.15			
02/02/2025	13:32:05	121	0.0	8.35	3.9	0.16			
02/02/2025	13:32:15	120	0.0	8.35	3.9	0.16			
02/02/2025	13:32:25	120	0.0	8.35	3.9	0.16			
02/02/2025	13:32:35	119	0.0	8.35	3.9	0.16			
02/02/2025	13:32:55	118	0.0	8.35	3.9	0.16			
02/02/2025	13:33:05	118	0.0	8.35	3.9	0.16			
02/02/2025	13:33:15	118	0.0	8.35	4.0	0.16			
02/02/2025	13:33:25	118	0.0	8.35	4.0	0.16			
02/02/2025	13:33:35	116	0.0	8.35	4.0	0.16			

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Well			Field		Job Start		Customer		Job Number	
MICHAEL SOUTHWORTH MSH 210H 210H			Marshall		Feb/02/2025		SWN		A.1059713.12.20	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message			
02/02/2025	13:33:55	115	0.0	8.35	4.0	0.16				
02/02/2025	13:34:05	120	0.0	8.35	4.0	0.16				
02/02/2025	13:34:15	120	0.0	8.35	4.0	0.16				
02/02/2025	13:34:25	113	0.0	8.35	4.0	0.16				
02/02/2025	13:34:35	115	0.0	8.35	4.0	0.16				
02/02/2025	13:34:45	119	0.0	8.35	4.0	0.16				
02/02/2025	13:35:05	117	0.0	8.35	4.0	0.16				
02/02/2025	13:35:15	120	0.0	8.35	4.0	0.16				
02/02/2025	13:35:25	119	0.0	8.35	4.0	0.16				
02/02/2025	13:35:35	115	0.0	8.35	4.0	0.16				
02/02/2025	13:35:45	114	0.0	8.35	4.0	0.16				
02/02/2025	13:35:55	114	0.0	8.35	4.0	0.16				
02/02/2025	13:36:05	114	0.0	8.35	4.0	0.16				
02/02/2025	13:36:15	113	0.0	8.35	4.0	0.16				
02/02/2025	13:36:25	112	0.0	8.35	4.0	0.16				
02/02/2025	13:36:35	113	0.0	8.35	4.0	0.16				
02/02/2025	13:36:45	114	0.0	8.35	4.0	0.16				
02/02/2025	13:36:55	114	0.0	8.35	4.0	0.16				
02/02/2025	13:37:15	114	0.0	8.35	4.0	0.16				
02/02/2025	13:37:25	113	0.0	8.35	4.0	0.16				
02/02/2025	13:37:35	113	0.0	8.35	4.0	0.16				
02/02/2025	13:37:45	114	0.0	8.35	4.0	0.16				
02/02/2025	13:37:55	114	0.0	8.35	4.0	0.16				
02/02/2025	13:38:05	113	0.0	8.35	4.0	0.16				
02/02/2025	13:38:15	114	0.0	8.35	4.0	0.16				
02/02/2025	13:38:25	113	0.0	8.35	4.0	0.16				
02/02/2025	13:38:35	113	0.0	8.35	4.0	0.16				
02/02/2025	13:38:45	113	0.0	8.34	4.1	0.16				
02/02/2025	13:38:55	112	0.0	8.35	4.1	0.16				
02/02/2025	13:39:05	110	0.0	8.35	4.1	0.16				
02/02/2025	13:39:25	110	0.0	8.35	4.1	0.16				
02/02/2025	13:39:35	107	0.0	8.35	4.1	0.16				
02/02/2025	13:39:45	104	0.0	8.35	4.1	0.16				
02/02/2025	13:39:55	102	0.0	8.34	4.1	0.16				
02/02/2025	13:40:05	103	0.0	8.35	4.1	0.16				
02/02/2025	13:40:15	102	0.0	8.34	4.1	0.16				
02/02/2025	13:40:25	102	0.0	8.34	4.1	0.16				
02/02/2025	13:40:35	102	0.0	8.35	4.1	0.16				
02/02/2025	13:40:45	102	0.0	8.35	4.1	0.16				
02/02/2025	13:40:55	102	0.0	8.34	4.1	0.16				
02/02/2025	13:41:05	102	0.0	8.34	4.1	0.16				
02/02/2025	13:41:15	102	0.0	8.35	4.1	0.16				
02/02/2025	13:41:35	102	0.0	8.35	4.1	0.16				
02/02/2025	13:41:45	103	0.0	8.35	4.1	0.16				
02/02/2025	13:41:55	102	0.0	8.34	4.1	0.16				
02/02/2025	13:42:05	101	0.0	8.35	4.1	0.16				
02/02/2025	13:42:15	102	0.0	8.35	4.1	0.16				
02/02/2025	13:42:25	102	0.0	8.35	4.1	0.16				
02/02/2025	13:42:35	101	0.0	8.35	4.1	0.16				
02/02/2025	13:42:45	102	0.0	8.34	4.1	0.16				
02/02/2025	13:42:55	103	0.0	8.35	4.1	0.16				
02/02/2025	13:43:05	104	0.0	8.35	4.1	0.16				
02/02/2025	13:43:15	102	0.0	8.34	4.1	0.16				
02/02/2025	13:43:25	102	0.0	8.34	4.1	0.16				

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/N	Density LB/G	Volume BBL	CPF1_NIX_DENSITY LB/G	Message		
02/02/2025	13:43:45	103	0.0	8.34	4.1	0.16			
02/02/2025	13:43:55	103	0.0	8.34	4.1	0.16			
02/02/2025	13:44:05	102	0.0	8.34	4.1	0.16			
02/02/2025	13:44:15	101	0.0	8.34	4.1	0.16			
02/02/2025	13:44:25	101	0.0	8.34	4.1	0.16			
02/02/2025	13:44:35	104	0.0	8.34	4.1	0.16			
02/02/2025	13:44:45	107	0.0	8.34	4.2	0.16			
02/02/2025	13:44:55	111	0.0	8.34	4.2	0.16			
02/02/2025	13:45:05	112	0.0	8.34	4.2	0.16			
02/02/2025	13:45:15	110	0.0	8.34	4.2	0.16			
02/02/2025	13:45:25	108	0.0	8.34	4.2	0.16			
02/02/2025	13:45:35	106	0.0	8.34	4.2	0.16			
02/02/2025	13:45:45	103	0.0	8.34	4.2	0.16			
02/02/2025	13:45:55	102	0.0	8.34	4.2	0.16			
02/02/2025	13:46:05	102	0.0	8.34	4.2	0.16			
02/02/2025	13:46:15	103	0.0	8.34	4.2	0.16			
02/02/2025	13:46:25	103	0.0	8.34	4.2	0.16			
02/02/2025	13:46:35	104	0.0	8.34	4.2	0.16			
02/02/2025	13:46:45	104	0.0	8.34	4.2	0.16			
02/02/2025	13:46:55	104	0.0	8.34	4.2	0.16			
02/02/2025	13:47:05	105	0.0	8.34	4.2	0.16			
02/02/2025	13:47:15	107	0.0	8.34	4.2	0.16			
02/02/2025	13:47:25	110	0.0	8.34	4.2	0.16			
02/02/2025	13:47:35	109	0.0	8.34	4.2	0.16			
02/02/2025	13:47:45	109	0.0	8.34	4.2	0.16			
02/02/2025	13:47:55	110	0.0	8.34	4.2	0.16			
02/02/2025	13:48:05	110	0.0	8.34	4.2	0.16			
02/02/2025	13:48:15	110	0.0	8.34	4.2	0.16			
02/02/2025	13:48:25	112	0.0	8.34	4.2	0.16			
02/02/2025	13:48:35	112	0.0	8.34	4.2	0.16			
02/02/2025	13:48:45	111	0.0	8.34	4.2	0.16			
02/02/2025	13:48:55	110	0.0	8.34	4.2	0.16			
02/02/2025	13:49:05	112	0.0	8.34	4.2	0.16			
02/02/2025	13:49:15	112	0.0	8.34	4.2	0.16			
02/02/2025	13:49:25	110	0.0	8.34	4.2	0.16			
02/02/2025	13:49:35	110	0.0	8.34	4.2	0.16			
02/02/2025	13:49:45	108	0.0	8.34	4.2	0.16			
02/02/2025	13:49:55	109	0.0	8.34	4.2	0.16			
02/02/2025	13:50:05	107	0.0	8.34	4.2	0.16			
02/02/2025	13:50:15	107	0.0	8.34	4.2	0.16			
02/02/2025	13:50:25	105	0.0	8.34	4.2	0.16			
02/02/2025	13:50:35	103	0.0	8.34	4.2	0.16			
02/02/2025	13:50:45	102	0.0	8.34	4.3	0.16			
02/02/2025	13:50:55	102	0.0	8.34	4.3	0.16			
02/02/2025	13:51:05	102	0.0	8.34	4.3	0.16			
02/02/2025	13:51:15	102	0.0	8.34	4.3	0.16			
02/02/2025	13:51:25	102	0.0	8.34	4.3	0.16			
02/02/2025	13:51:35	101	0.0	8.34	4.3	0.16			
02/02/2025	13:51:45	101	0.0	8.34	4.3	0.16			
02/02/2025	13:51:55	100	0.0	8.34	4.3	0.16			
02/02/2025	13:52:05	101	0.0	8.34	4.3	0.16			
02/02/2025	13:52:15	102	0.0	8.34	4.3	0.16			
02/02/2025	13:52:25	103	0.0	8.34	4.3	0.16			
02/02/2025	13:52:35	106	0.0	8.34	4.3	0.16			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	13:52:55	108	0.0	8.34	4.3	0.16			
02/02/2025	13:53:05	109	0.0	8.34	4.3	0.16			
02/02/2025	13:53:15	110	0.0	8.34	4.3	0.16			
02/02/2025	13:53:25	110	0.0	8.34	4.3	0.16			
02/02/2025	13:53:35	110	0.0	8.34	4.3	0.16			
02/02/2025	13:53:45	111	0.0	8.34	4.3	0.16			
02/02/2025	13:53:55	110	0.0	8.34	4.3	0.16			
02/02/2025	13:54:05	110	0.0	8.34	4.3	0.16			
02/02/2025	13:54:15	110	0.0	8.34	4.3	0.16			
02/02/2025	13:54:25	110	0.0	8.34	4.3	0.16			
02/02/2025	13:54:35	109	0.0	8.34	4.3	0.16			
02/02/2025	13:54:45	110	0.0	8.34	4.3	0.16			
02/02/2025	13:54:55	109	0.0	8.34	4.3	0.16			
02/02/2025	13:55:05	109	0.0	8.34	4.3	0.16			
02/02/2025	13:55:15	109	0.0	8.34	4.3	0.16			
02/02/2025	13:55:25	108	0.0	8.34	4.3	0.16			
02/02/2025	13:55:35	109	0.0	8.34	4.3	0.16			
02/02/2025	13:55:45	109	0.0	8.34	4.3	0.16			
02/02/2025	13:55:55	109	0.0	8.34	4.4	0.16			
02/02/2025	13:56:05	109	0.0	8.34	4.4	0.16			
02/02/2025	13:56:15	109	0.0	8.34	4.4	0.16			
02/02/2025	13:56:25	109	0.0	8.34	4.4	0.16			
02/02/2025	13:56:35	110	0.0	8.34	4.4	0.16			
02/02/2025	13:56:45	108	0.0	8.34	4.4	0.16			
02/02/2025	13:56:55	109	0.0	8.34	4.4	0.16			
02/02/2025	13:57:05	108	0.0	8.34	4.4	0.16			
02/02/2025	13:57:15	109	0.0	8.34	4.4	0.16			
02/02/2025	13:57:25	110	0.0	8.34	4.4	0.16			
02/02/2025	13:57:35	109	0.0	8.34	4.4	0.16			
02/02/2025	13:57:45	110	0.0	8.34	4.4	0.16			
02/02/2025	13:57:55	108	0.0	8.34	4.4	0.16			
02/02/2025	13:58:05	108	0.0	8.34	4.4	0.16			
02/02/2025	13:58:15	108	0.0	8.34	4.4	0.16			
02/02/2025	13:58:25	108	0.0	8.34	4.4	0.16			
02/02/2025	13:58:35	108	0.0	8.34	4.4	0.16			
02/02/2025	13:58:45	107	0.0	8.34	4.4	0.16			
02/02/2025	13:58:55	108	0.0	8.34	4.4	0.16			
02/02/2025	13:59:05	106	0.0	8.34	4.4	0.16			
02/02/2025	13:59:15	108	0.0	8.34	4.4	0.16			
02/02/2025	13:59:25	107	0.0	8.34	4.4	0.16			
02/02/2025	13:59:35	107	0.0	8.34	4.4	0.16			
02/02/2025	13:59:45	105	0.0	8.34	4.4	0.16			
02/02/2025	13:59:55	106	0.0	8.34	4.4	0.16			
02/02/2025	14:00:00	105	0.0	8.34	4.4	0.16	SAFETY MEETING		
02/02/2025	14:00:05	104	0.0	8.34	4.4	0.16			
02/02/2025	14:00:15	103	0.0	8.34	4.4	0.16			
02/02/2025	14:00:25	104	0.0	8.34	4.4	0.16			
02/02/2025	14:00:35	104	0.0	8.34	4.4	0.16			
02/02/2025	14:00:45	104	0.0	8.34	4.5	0.16			
02/02/2025	14:00:55	104	0.0	8.34	4.5	0.16			
02/02/2025	14:01:05	104	0.0	8.34	4.5	0.16			
02/02/2025	14:01:15	104	0.0	8.34	4.5	0.16			
02/02/2025	14:01:25	103	0.0	8.34	4.5	0.16			
02/02/2025	14:01:35	104	0.0	8.34	4.5	0.16			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	14:01:55	104	0.0	8.34	4.5	0.16			
02/02/2025	14:02:05	104	0.0	8.34	4.5	0.16			
02/02/2025	14:02:15	104	0.0	8.34	4.5	0.16			
02/02/2025	14:02:25	103	0.0	8.34	4.5	0.16			
02/02/2025	14:02:35	103	0.0	8.34	4.5	0.16			
02/02/2025	14:02:45	104	0.0	8.34	4.5	0.16			
02/02/2025	14:02:55	104	0.0	8.34	4.5	0.16			
02/02/2025	14:03:05	103	0.0	8.34	4.5	0.16			
02/02/2025	14:03:15	103	0.0	8.34	4.5	0.16			
02/02/2025	14:03:25	103	0.0	8.34	4.5	0.16			
02/02/2025	14:03:35	103	0.0	8.34	4.5	0.16			
02/02/2025	14:03:45	103	0.0	8.34	4.5	0.16			
02/02/2025	14:03:55	103	0.0	8.34	4.5	0.16			
02/02/2025	14:04:05	103	0.0	8.34	4.5	0.16			
02/02/2025	14:04:15	103	0.0	8.34	4.5	0.16			
02/02/2025	14:04:25	104	0.0	8.34	4.5	0.16			
02/02/2025	14:04:35	104	0.0	8.34	4.5	0.16			
02/02/2025	14:04:45	102	0.0	8.34	4.5	0.16			
02/02/2025	14:04:55	102	0.0	8.34	4.5	0.16			
02/02/2025	14:05:05	103	0.0	8.34	4.5	0.16			
02/02/2025	14:05:15	102	0.0	8.34	4.5	0.16			
02/02/2025	14:05:25	103	0.0	8.34	4.5	0.16			
02/02/2025	14:05:35	102	0.0	8.34	4.6	0.16			
02/02/2025	14:05:45	102	0.0	8.34	4.6	0.16			
02/02/2025	14:05:55	102	0.0	8.34	4.6	0.16			
02/02/2025	14:06:05	102	0.0	8.34	4.6	0.16			
02/02/2025	14:06:15	103	0.0	8.34	4.6	0.16			
02/02/2025	14:06:25	102	0.0	8.34	4.6	0.16			
02/02/2025	14:06:35	102	0.0	8.34	4.6	0.16			
02/02/2025	14:06:45	102	0.0	8.34	4.6	0.16			
02/02/2025	14:06:55	102	0.0	8.34	4.6	0.16			
02/02/2025	14:07:05	72	0.0	8.34	4.6	0.16			
02/02/2025	14:07:15	79	0.0	8.34	4.6	0.16			
02/02/2025	14:07:25	72	0.0	8.34	4.6	0.16			
02/02/2025	14:07:35	72	0.0	8.34	4.6	0.16			
02/02/2025	14:07:45	72	0.0	8.34	4.6	0.16			
02/02/2025	14:07:55	0	0.0	8.34	4.6	0.16			
02/02/2025	14:08:05	0	0.0	8.34	4.6	0.16			
02/02/2025	14:08:15	-0	0.0	8.34	4.6	0.16			
02/02/2025	14:08:25	0	0.0	8.34	4.6	0.16			
02/02/2025	14:08:35	2	0.5	8.34	4.6	0.16			
02/02/2025	14:08:45	62	2.3	8.34	4.8	0.16			
02/02/2025	14:08:55	76	2.4	8.34	5.3	0.16			
02/02/2025	14:09:05	183	5.7	8.33	5.9	0.16			
02/02/2025	14:09:15	181	6.6	8.34	7.0	0.16			
02/02/2025	14:09:25	174	6.6	8.34	8.1	0.16			
02/02/2025	14:09:35	176	6.6	8.34	9.2	0.16			
02/02/2025	14:09:45	70	5.5	8.34	10.3	0.16			
02/02/2025	14:09:55	66	3.6	8.34	11.0	0.16			
02/02/2025	14:10:00	98	2.7	8.34	11.3	0.16	LINE PRESSURE TEST 1000 / 2500 PSI		
02/02/2025	14:10:05	86	0.4	8.34	11.4	0.16			
02/02/2025	14:10:15	80	0.0	8.34	11.4	0.16			
02/02/2025	14:10:25	803	0.0	8.34	11.4	0.16			
02/02/2025	14:10:35	2588	0.0	8.34	11.4	0.16			

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Well			Field		Job Start		Customer		Job Number
MICHAEL SOUTHWORTH MSH 210H 210H			Marshall		Feb/02/2025		SWN		A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	14:10:55	2541	0.0	8.34	11.4	0.16			
02/02/2025	14:11:05	2529	0.0	8.34	11.4	0.16			
02/02/2025	14:11:15	2521	0.0	8.34	11.4	0.16			
02/02/2025	14:11:25	2513	0.0	8.34	11.4	0.16			
02/02/2025	14:11:35	2505	0.0	8.34	11.4	0.16			
02/02/2025	14:11:45	2498	0.0	8.34	11.4	0.16			
02/02/2025	14:11:55	2493	0.0	8.34	11.4	0.16			
02/02/2025	14:12:05	2487	0.0	8.34	11.4	0.16			
02/02/2025	14:12:15	2482	0.0	8.34	11.4	0.16			
02/02/2025	14:12:25	2476	0.0	8.34	11.5	0.16			
02/02/2025	14:12:35	2471	0.0	8.34	11.5	0.16			
02/02/2025	14:12:45	2466	0.0	8.34	11.5	0.16			
02/02/2025	14:12:55	98	0.0	8.34	11.5	0.16			
02/02/2025	14:13:05	13	0.0	8.34	11.5	0.16			
02/02/2025	14:13:15	19	0.0	8.34	11.5	0.16			
02/02/2025	14:13:25	50	2.3	8.35	11.6	0.16			
02/02/2025	14:13:35	264	6.9	8.34	12.3	0.16			
02/02/2025	14:13:45	278	8.6	8.34	13.6	0.16			
02/02/2025	14:13:55	271	8.6	8.34	15.1	0.16			
02/02/2025	14:14:05	267	8.6	8.34	16.5	0.16			
02/02/2025	14:14:15	268	8.5	8.34	17.9	0.16			
02/02/2025	14:14:25	271	8.5	8.34	19.3	0.16			
02/02/2025	14:14:35	272	8.6	8.34	20.8	0.16			
02/02/2025	14:14:45	275	8.5	8.34	22.2	0.16			
02/02/2025	14:14:55	260	8.5	8.34	23.6	0.16			
02/02/2025	14:15:00	269	8.6	8.34	24.3	0.15	PUMP WATER 90 BBLS		
02/02/2025	14:15:05	266	8.5	8.34	25.0	0.16			
02/02/2025	14:15:15	270	8.5	8.34	26.5	0.15			
02/02/2025	14:15:25	263	8.5	8.34	27.9	0.15			
02/02/2025	14:15:35	261	8.5	8.34	29.3	0.15			
02/02/2025	14:15:45	267	8.5	8.34	30.7	0.15			
02/02/2025	14:15:55	264	8.5	8.34	32.1	0.15			
02/02/2025	14:16:05	265	8.5	8.34	33.5	0.15			
02/02/2025	14:16:15	270	8.5	8.34	35.0	0.15			
02/02/2025	14:16:25	262	8.5	8.34	36.4	0.15			
02/02/2025	14:16:35	268	8.5	8.34	37.8	0.15			
02/02/2025	14:16:45	262	8.5	8.34	39.2	0.15			
02/02/2025	14:16:55	275	8.5	8.34	40.6	0.15			
02/02/2025	14:17:05	266	8.6	8.34	42.1	0.15			
02/02/2025	14:17:15	270	8.5	8.34	43.5	0.15			
02/02/2025	14:17:25	265	8.5	8.34	44.9	0.15			
02/02/2025	14:17:35	262	8.5	8.34	46.3	0.15			
02/02/2025	14:17:45	256	8.5	8.34	47.7	0.15			
02/02/2025	14:17:55	261	8.5	8.34	49.2	0.15			
02/02/2025	14:18:05	252	8.5	8.34	50.6	0.15			
02/02/2025	14:18:15	260	8.5	8.34	52.0	0.15			
02/02/2025	14:18:25	270	8.5	8.34	53.4	0.15			
02/02/2025	14:18:35	257	8.5	8.34	54.8	0.15			
02/02/2025	14:18:45	261	8.5	8.34	56.3	0.15			
02/02/2025	14:18:55	259	8.5	8.34	57.7	0.15			
02/02/2025	14:19:05	265	8.5	8.34	59.1	0.15			
02/02/2025	14:19:15	262	8.5	8.34	60.5	0.15			
02/02/2025	14:19:25	269	8.5	8.34	61.9	0.14			
02/02/2025	14:19:35	270	8.5	8.34	63.4	0.15			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	14:19:55	275	8.5	8.34	66.2	0.14			
02/02/2025	14:20:05	288	8.5	8.34	67.6	0.14			
02/02/2025	14:20:15	278	8.5	8.34	69.1	0.14			
02/02/2025	14:20:25	281	8.5	8.34	70.5	0.14			
02/02/2025	14:20:35	285	8.5	8.34	71.9	0.14			
02/02/2025	14:20:45	275	8.5	8.34	73.3	0.14			
02/02/2025	14:20:55	277	8.5	8.34	74.7	0.14			
02/02/2025	14:21:05	276	8.5	8.34	76.2	0.14			
02/02/2025	14:21:15	284	8.5	8.34	77.6	0.14			
02/02/2025	14:21:25	279	8.5	8.34	79.0	0.14			
02/02/2025	14:21:35	285	8.5	8.34	80.4	0.14			
02/02/2025	14:21:45	283	8.5	8.34	81.8	0.14			
02/02/2025	14:21:55	284	8.5	8.34	83.3	0.14			
02/02/2025	14:22:05	276	8.5	8.34	84.7	0.14			
02/02/2025	14:22:15	285	8.5	8.34	86.1	0.14			
02/02/2025	14:22:25	277	8.5	8.34	87.5	0.14			
02/02/2025	14:22:35	278	8.5	8.34	88.9	0.14			
02/02/2025	14:22:45	280	8.5	8.34	90.4	0.14			
02/02/2025	14:22:55	280	8.5	8.34	91.8	0.14			
02/02/2025	14:23:05	278	8.5	8.34	93.2	0.14			
02/02/2025	14:23:15	275	8.5	8.34	94.6	0.14			
02/02/2025	14:23:25	285	8.5	8.34	96.0	0.14			
02/02/2025	14:23:35	283	8.5	8.34	97.5	0.14			
02/02/2025	14:23:45	285	8.5	8.34	98.9	0.14			
02/02/2025	14:23:55	283	8.5	8.34	100.3	0.14			
02/02/2025	14:24:05	284	8.5	8.34	101.7	0.14			
02/02/2025	14:24:15	48	0.3	8.34	102.4	5.34			
02/02/2025	14:24:25	44	0.0	8.34	102.4	7.11			
02/02/2025	14:24:35	45	0.0	8.34	102.4	7.15			
02/02/2025	14:24:45	45	0.0	8.34	102.4	7.13			
02/02/2025	14:24:55	45	0.0	8.34	102.4	7.08			
02/02/2025	14:25:00	45	0.0	8.34	102.4	7.07	PUMP SPACER 25 BBLs @ 8.62 PPG		
02/02/2025	14:25:05	37	0.0	8.34	102.4	7.05			
02/02/2025	14:25:15	44	0.0	8.34	102.4	6.94			
02/02/2025	14:25:25	45	0.0	8.34	102.4	6.92			
02/02/2025	14:25:35	46	0.0	8.34	102.4	6.85			
02/02/2025	14:25:45	46	0.0	8.34	102.4	6.74			
02/02/2025	14:25:55	45	0.0	8.34	102.4	6.68			
02/02/2025	14:26:05	45	0.0	8.34	102.4	6.62			
02/02/2025	14:26:15	45	0.0	8.34	102.5	6.45			
02/02/2025	14:26:25	46	0.0	8.34	102.5	6.28			
02/02/2025	14:26:35	43	0.1	8.34	102.5	6.31			
02/02/2025	14:26:45	51	1.3	8.67	102.6	8.08			
02/02/2025	14:26:55	207	5.8	8.68	103.1	8.32			
02/02/2025	14:27:05	217	6.6	8.71	104.1	8.33			
02/02/2025	14:27:15	223	6.6	8.67	105.3	8.33			
02/02/2025	14:27:25	212	6.6	8.66	106.4	8.33			
02/02/2025	14:27:35	209	6.6	8.66	107.5	8.33			
02/02/2025	14:27:45	215	6.6	8.68	108.6	8.33			
02/02/2025	14:27:55	218	6.6	8.69	109.7	8.33			
02/02/2025	14:28:15	214	6.7	8.65	111.9	8.32			
02/02/2025	14:28:25	211	6.7	8.61	113.0	8.32			
02/02/2025	14:28:35	215	6.6	8.66	114.1	8.32			
02/02/2025	14:28:45	215	6.6	8.68	115.2	8.31			

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Well			Field		Job Start		Customer		Job Number
MICHAEL SOUTHWORTH MSH 210H 210H			Marshall		Feb/02/2025		SWN		A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	14:29:05	208	6.6	8.60	117.4	8.31			
02/02/2025	14:29:15	202	6.6	8.59	118.5	8.31			
02/02/2025	14:29:25	208	6.6	8.57	119.6	8.31			
02/02/2025	14:29:35	203	6.7	8.55	120.8	8.30			
02/02/2025	14:29:45	207	6.6	8.54	121.9	8.30			
02/02/2025	14:29:55	201	6.6	8.51	123.0	8.30			
02/02/2025	14:30:05	199	6.6	8.48	124.1	8.30			
02/02/2025	14:30:25	198	6.6	8.44	126.3	8.30			
02/02/2025	14:30:35	197	6.6	8.37	127.4	8.29			
02/02/2025	14:30:45	187	6.6	8.29	128.5	8.29			
02/02/2025	14:30:55	193	6.7	8.32	129.6	8.29			
02/02/2025	14:31:05	92	3.0	8.35	130.6	7.80			
02/02/2025	14:31:15	54	1.9	8.35	130.9	6.60			
02/02/2025	14:31:25	39	2.1	8.21	131.3	6.30			
02/02/2025	14:31:35	35	0.0	8.36	131.4	6.18			
02/02/2025	14:31:45	37	0.0	8.36	131.4	6.15			
02/02/2025	14:31:55	40	0.0	8.36	131.4	6.09			
02/02/2025	14:32:05	40	0.0	8.36	131.4	5.90			
02/02/2025	14:32:15	39	0.0	8.36	131.4	7.51			
02/02/2025	14:32:35	39	0.0	8.36	131.4	8.49			
02/02/2025	14:32:45	39	0.0	8.36	131.4	8.50			
02/02/2025	14:32:55	38	0.0	8.36	131.5	8.46			
02/02/2025	14:33:05	38	0.0	8.36	131.5	8.45			
02/02/2025	14:33:15	38	0.0	8.21	131.5	8.55			
02/02/2025	14:33:25	42	0.0	8.35	131.5	11.27			
02/02/2025	14:33:35	38	0.0	8.29	131.5	12.52			
02/02/2025	14:33:45	37	0.0	8.21	131.5	11.95			
02/02/2025	14:33:55	45	0.0	8.27	131.5	11.87			
02/02/2025	14:34:05	41	0.0	8.26	131.5	11.84			
02/02/2025	14:34:15	44	0.0	8.22	131.5	13.49			
02/02/2025	14:34:25	45	0.0	8.30	131.5	13.34			
02/02/2025	14:34:45	46	0.0	8.28	131.5	15.79			
02/02/2025	14:34:55	46	0.0	8.16	131.5	15.88			
02/02/2025	14:35:05	46	0.0	8.32	131.5	15.82			
02/02/2025	14:35:15	45	0.0	8.35	131.5	15.68			
02/02/2025	14:35:25	43	0.0	8.36	131.5	15.51			
02/02/2025	14:35:35	41	0.0	8.36	131.5	15.39			
02/02/2025	14:35:45	39	0.0	8.36	131.5	15.49			
02/02/2025	14:35:55	39	0.0	8.36	131.6	15.48			
02/02/2025	14:36:05	35	0.0	8.36	131.6	15.50			
02/02/2025	14:36:15	92	2.5	10.47	131.6	15.60			
02/02/2025	14:36:25	220	4.5	15.65	132.1	15.62			
02/02/2025	14:36:35	240	5.2	15.29	133.0	15.71			
02/02/2025	14:36:55	403	6.6	15.35	135.1	15.64			
02/02/2025	14:37:00	409	6.6	15.36	135.7	15.62	MIX AND PUMP TAIL 195 BBLs 15.6 PPG, 921 SKS, Y: 1.19 /		
02/02/2025	14:37:05	409	6.6	15.37	136.2	15.60			
02/02/2025	14:37:15	429	6.6	15.39	137.3	15.58			
02/02/2025	14:37:25	423	6.5	15.42	138.4	15.56			
02/02/2025	14:37:35	416	6.6	15.43	139.5	15.53			
02/02/2025	14:37:45	411	6.6	15.44	140.6	15.52			
02/02/2025	14:37:55	408	6.5	15.45	141.7	15.54			
02/02/2025	14:38:05	422	6.6	15.47	142.8	15.57			
02/02/2025	14:38:15	435	6.5	15.48	143.9	15.60			
02/02/2025	14:38:25	442	6.5	15.49	145.0	15.61			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message			
02/02/2025	14:38:45	427	6.6	15.52	147.2	15.61				
02/02/2025	14:38:55	431	6.6	15.53	148.2	15.61				
02/02/2025	14:39:05	429	6.5	15.54	149.3	15.61				
02/02/2025	14:39:15	429	6.6	15.56	150.4	15.85				
02/02/2025	14:39:25	429	6.5	15.56	151.5	15.91				
02/02/2025	14:39:35	434	6.5	15.56	152.6	15.92				
02/02/2025	14:39:45	432	6.6	15.57	153.7	15.78				
02/02/2025	14:39:55	440	6.6	15.59	154.8	15.72				
02/02/2025	14:40:05	428	6.6	15.61	155.9	15.71				
02/02/2025	14:40:15	430	6.6	15.62	157.0	15.69				
02/02/2025	14:40:25	443	6.6	15.63	158.1	15.68				
02/02/2025	14:40:35	466	6.6	15.64	159.2	15.65				
02/02/2025	14:40:45	453	6.5	15.64	160.3	15.63				
02/02/2025	14:40:55	442	6.6	15.64	161.4	15.61				
02/02/2025	14:41:05	424	6.6	15.64	162.5	15.58				
02/02/2025	14:41:15	441	6.6	15.63	163.5	15.56				
02/02/2025	14:41:25	434	6.6	15.63	164.6	15.55				
02/02/2025	14:41:35	425	6.6	15.62	165.7	15.53				
02/02/2025	14:41:45	418	6.6	15.61	166.8	15.51				
02/02/2025	14:41:55	402	6.6	15.60	167.9	15.51				
02/02/2025	14:42:05	417	6.5	15.60	169.0	15.74				
02/02/2025	14:42:15	447	6.5	15.61	170.1	15.81				
02/02/2025	14:42:25	409	6.6	15.61	171.2	15.82				
02/02/2025	14:42:35	408	6.6	15.61	172.3	15.82				
02/02/2025	14:42:45	409	6.6	15.60	173.4	15.82				
02/02/2025	14:42:55	428	6.6	15.65	174.5	15.82				
02/02/2025	14:43:05	436	6.6	15.67	175.6	15.81				
02/02/2025	14:43:15	430	6.5	15.69	176.7	15.81				
02/02/2025	14:43:25	431	6.6	15.71	177.8	15.80				
02/02/2025	14:43:35	436	6.5	15.72	178.8	15.78				
02/02/2025	14:43:45	452	6.5	15.72	179.9	15.76				
02/02/2025	14:43:55	461	6.6	15.73	181.0	15.75				
02/02/2025	14:44:05	465	6.6	15.73	182.1	15.74				
02/02/2025	14:44:15	437	6.5	15.73	183.2	15.73				
02/02/2025	14:44:25	455	6.6	15.73	184.3	15.72				
02/02/2025	14:44:35	463	6.5	15.73	185.4	15.71				
02/02/2025	14:44:45	427	6.5	15.73	186.5	15.69				
02/02/2025	14:44:55	431	6.5	15.73	187.6	15.67				
02/02/2025	14:45:05	429	6.5	15.72	188.7	15.66				
02/02/2025	14:45:15	433	6.5	15.72	189.8	15.64				
02/02/2025	14:45:25	439	6.5	15.71	190.9	15.63				
02/02/2025	14:45:35	446	6.6	15.71	191.9	15.62				
02/02/2025	14:45:45	431	6.5	15.70	193.0	15.62				
02/02/2025	14:45:55	433	6.5	15.69	194.1	15.61				
02/02/2025	14:46:05	443	6.5	15.69	195.2	15.68				
02/02/2025	14:46:15	460	6.6	15.69	196.3	15.79				
02/02/2025	14:46:25	443	6.5	15.69	197.4	15.79				
02/02/2025	14:46:35	434	6.5	15.69	198.5	15.80				
02/02/2025	14:46:45	444	6.5	15.69	199.6	15.80				
02/02/2025	14:46:55	456	6.5	15.70	200.7	15.75				
02/02/2025	14:47:05	456	6.5	15.70	201.8	15.72				
02/02/2025	14:47:15	452	6.5	15.70	202.9	15.71				
02/02/2025	14:47:25	447	6.5	15.70	203.9	15.70				
02/02/2025	14:47:35	435	6.5	15.71	205.0	15.70				

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	14:47:55	456	6.6	15.70	207.2	15.66			
02/02/2025	14:48:05	420	6.6	15.70	208.3	15.63			
02/02/2025	14:48:15	431	6.6	15.69	209.4	15.60			
02/02/2025	14:48:25	431	6.6	15.67	210.5	15.57			
02/02/2025	14:48:35	438	6.5	15.67	211.6	15.55			
02/02/2025	14:48:45	436	6.6	15.66	212.7	15.53			
02/02/2025	14:48:55	430	6.6	15.65	213.8	15.51			
02/02/2025	14:49:05	432	6.6	15.63	214.9	15.49			
02/02/2025	14:49:15	431	6.6	15.62	216.0	15.48			
02/02/2025	14:49:25	434	6.6	15.61	217.1	15.48			
02/02/2025	14:49:35	449	6.6	15.60	218.2	15.48			
02/02/2025	14:49:45	442	6.6	15.58	219.3	15.48			
02/02/2025	14:49:55	428	6.6	15.58	220.3	15.49			
02/02/2025	14:50:05	447	6.6	15.57	221.4	15.49			
02/02/2025	14:50:15	456	6.6	15.57	222.5	15.50			
02/02/2025	14:50:25	440	6.6	15.57	223.6	15.60			
02/02/2025	14:50:35	429	6.6	15.57	224.7	15.62			
02/02/2025	14:50:45	433	6.6	15.58	225.8	15.62			
02/02/2025	14:50:55	442	6.6	15.58	226.9	15.62			
02/02/2025	14:51:05	448	6.6	15.59	228.0	15.61			
02/02/2025	14:51:15	443	6.6	15.59	229.1	15.66			
02/02/2025	14:51:25	433	6.6	15.60	230.2	15.74			
02/02/2025	14:51:35	427	6.5	15.60	231.3	15.75			
02/02/2025	14:51:45	439	6.5	15.60	232.4	15.75			
02/02/2025	14:51:55	463	6.6	15.60	233.5	15.65			
02/02/2025	14:52:05	428	6.6	15.60	234.6	15.59			
02/02/2025	14:52:15	433	6.6	15.60	235.7	15.60			
02/02/2025	14:52:25	448	6.6	15.60	236.7	15.63			
02/02/2025	14:52:35	450	6.6	15.61	237.8	15.66			
02/02/2025	14:52:45	445	6.6	15.62	238.9	15.69			
02/02/2025	14:52:55	420	6.6	15.63	240.0	15.71			
02/02/2025	14:53:05	412	6.6	15.64	241.1	15.72			
02/02/2025	14:53:15	423	6.6	15.66	242.2	15.73			
02/02/2025	14:53:25	459	6.6	15.66	243.3	15.73			
02/02/2025	14:53:35	473	6.5	15.67	244.4	15.73			
02/02/2025	14:53:45	450	6.6	15.68	245.5	15.72			
02/02/2025	14:53:55	446	6.5	15.68	246.6	15.70			
02/02/2025	14:54:05	445	6.6	15.68	247.7	15.42			
02/02/2025	14:54:15	461	6.6	15.67	248.8	15.59			
02/02/2025	14:54:25	445	6.6	15.66	249.9	15.63			
02/02/2025	14:54:35	438	6.6	15.66	251.0	15.59			
02/02/2025	14:54:45	445	6.6	15.66	252.1	15.64			
02/02/2025	14:54:55	445	6.5	15.66	253.1	15.68			
02/02/2025	14:55:05	448	6.5	15.66	254.2	15.69			
02/02/2025	14:55:15	455	6.6	15.66	255.3	15.70			
02/02/2025	14:55:25	438	6.5	15.66	256.4	15.81			
02/02/2025	14:55:35	444	6.6	15.64	257.5	15.86			
02/02/2025	14:55:45	442	6.5	15.55	258.6	15.80			
02/02/2025	14:55:55	474	6.5	15.58	259.7	15.77			
02/02/2025	14:56:05	455	6.5	15.64	260.8	15.76			
02/02/2025	14:56:15	456	6.5	15.65	261.8	15.70			
02/02/2025	14:56:25	447	6.5	15.63	262.9	15.69			
02/02/2025	14:56:35	452	6.5	15.66	264.0	15.69			
02/02/2025	14:56:45	477	6.5	15.65	265.1	15.70			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	14:57:05	458	6.6	15.70	267.3	15.72			
02/02/2025	14:57:15	449	6.6	15.70	268.4	15.71			
02/02/2025	14:57:25	480	6.6	15.71	269.4	15.70			
02/02/2025	14:57:35	448	6.6	15.71	270.5	15.68			
02/02/2025	14:57:45	443	6.6	15.70	271.6	15.65			
02/02/2025	14:57:55	449	6.6	15.70	272.7	15.62			
02/02/2025	14:58:05	441	6.6	15.69	273.8	15.59			
02/02/2025	14:58:15	458	6.6	15.67	274.9	15.58			
02/02/2025	14:58:25	455	6.6	15.66	276.0	15.58			
02/02/2025	14:58:35	452	6.6	15.65	277.1	15.58			
02/02/2025	14:58:45	455	6.6	15.65	278.2	15.58			
02/02/2025	14:58:55	464	6.6	15.63	279.3	15.57			
02/02/2025	14:59:05	473	6.6	15.64	280.4	15.57			
02/02/2025	14:59:15	482	6.6	15.64	281.5	15.59			
02/02/2025	14:59:25	451	6.6	15.63	282.6	15.60			
02/02/2025	14:59:35	445	6.6	15.63	283.7	15.61			
02/02/2025	14:59:45	465	6.5	15.63	284.8	15.60			
02/02/2025	14:59:55	453	6.6	15.63	285.8	15.58			
02/02/2025	15:00:05	441	6.6	15.62	286.9	15.58			
02/02/2025	15:00:15	435	6.6	15.62	288.0	15.60			
02/02/2025	15:00:25	445	6.6	15.63	289.1	15.62			
02/02/2025	15:00:35	450	6.5	15.63	290.2	15.63			
02/02/2025	15:00:45	460	6.6	15.63	291.3	15.64			
02/02/2025	15:00:55	461	6.6	15.63	292.4	15.66			
02/02/2025	15:01:05	437	6.6	15.64	293.5	15.68			
02/02/2025	15:01:15	443	6.5	15.64	294.6	15.69			
02/02/2025	15:01:25	446	6.5	15.65	295.7	15.69			
02/02/2025	15:01:35	476	6.6	15.66	296.8	15.70			
02/02/2025	15:01:45	448	6.5	15.66	297.9	15.77			
02/02/2025	15:01:55	470	6.6	15.67	299.0	15.85			
02/02/2025	15:02:05	485	6.6	15.67	300.1	15.86			
02/02/2025	15:02:15	484	6.5	15.67	301.1	15.87			
02/02/2025	15:02:25	486	6.5	15.68	302.2	15.86			
02/02/2025	15:02:35	481	6.6	15.70	303.3	15.85			
02/02/2025	15:02:45	481	6.5	15.72	304.4	15.83			
02/02/2025	15:02:55	487	6.6	15.73	305.5	15.83			
02/02/2025	15:03:05	494	6.5	15.74	306.6	15.82			
02/02/2025	15:03:15	491	6.5	15.75	307.7	15.82			
02/02/2025	15:03:25	459	6.6	15.76	308.8	15.77			
02/02/2025	15:03:35	473	6.6	15.76	309.9	15.72			
02/02/2025	15:03:45	473	6.6	15.75	311.0	15.71			
02/02/2025	15:03:55	477	6.5	15.75	312.1	15.71			
02/02/2025	15:04:05	484	6.5	15.75	313.2	15.67			
02/02/2025	15:04:15	488	6.6	15.74	314.3	15.41			
02/02/2025	15:04:25	486	6.5	15.72	315.3	15.42			
02/02/2025	15:04:35	492	6.5	15.71	316.4	15.62			
02/02/2025	15:04:45	490	6.5	15.71	317.5	15.63			
02/02/2025	15:04:55	502	6.6	15.69	318.6	15.28			
02/02/2025	15:05:05	465	6.6	15.70	319.7	15.21			
02/02/2025	15:05:15	484	6.6	15.70	320.8	15.24			
02/02/2025	15:05:25	516	6.5	15.70	321.9	15.25			
02/02/2025	15:05:35	504	6.5	15.69	323.0	15.25			
02/02/2025	15:05:45	487	6.5	15.69	324.1	15.25			
02/02/2025	15:05:55	484	6.5	15.69	325.2	15.25			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	15:06:15	223	3.7	15.68	327.2	15.25			
02/02/2025	15:06:25	238	3.4	15.40	327.7	15.26			
02/02/2025	15:06:35	225	3.4	15.26	328.3	15.25			
02/02/2025	15:06:45	219	3.4	15.26	328.9	15.25			
02/02/2025	15:06:55	231	3.4	15.26	329.4	15.24			
02/02/2025	15:07:05	224	3.5	15.10	330.0	14.99			
02/02/2025	15:07:15	219	3.5	15.01	330.6	14.71			
02/02/2025	15:07:25	225	3.5	15.01	331.2	14.91			
02/02/2025	15:07:35	212	3.4	15.25	331.7	15.20			
02/02/2025	15:07:45	227	3.4	15.26	332.3	15.18			
02/02/2025	15:07:55	106	0.1	15.22	332.6	15.24			
02/02/2025	15:08:00	105	0.0	15.24	332.6	15.24	DROP THE TOP PLUG		
02/02/2025	15:08:05	104	0.0	15.25	332.6	15.24			
02/02/2025	15:08:15	102	0.0	15.25	332.6	15.24			
02/02/2025	15:08:25	102	0.0	15.26	332.6	15.25			
02/02/2025	15:08:35	102	0.0	15.26	332.6	15.24			
02/02/2025	15:08:45	101	0.0	15.26	332.6	15.25			
02/02/2025	15:08:55	102	0.0	15.26	332.6	15.25			
02/02/2025	15:09:05	101	0.0	15.26	332.6	15.25			
02/02/2025	15:09:15	102	0.0	15.27	332.6	12.00			
02/02/2025	15:09:25	107	0.0	15.16	332.6	9.55			
02/02/2025	15:09:35	108	0.0	15.05	332.6	9.26			
02/02/2025	15:09:45	110	0.0	14.65	332.6	9.15			
02/02/2025	15:09:55	72	0.5	11.74	332.6	9.09			
02/02/2025	15:10:05	122	0.7	9.18	332.7	9.06			
02/02/2025	15:10:15	109	1.9	9.15	332.9	9.08			
02/02/2025	15:10:25	130	1.6	9.83	333.1	9.08			
02/02/2025	15:10:35	125	1.6	9.87	333.4	9.08			
02/02/2025	15:10:45	156	3.0	10.18	333.8	9.04			
02/02/2025	15:10:55	179	3.3	9.97	334.3	9.02			
02/02/2025	15:11:05	204	3.9	9.87	334.9	9.11			
02/02/2025	15:11:15	202	4.6	9.12	335.6	9.11			
02/02/2025	15:11:25	199	4.7	9.08	336.4	9.09			
02/02/2025	15:11:35	197	4.7	9.71	337.2	9.08			
02/02/2025	15:11:45	196	4.7	9.25	338.0	9.08			
02/02/2025	15:11:55	167	4.9	8.66	338.8	9.08			
02/02/2025	15:12:05	185	4.6	8.75	339.6	9.08			
02/02/2025	15:12:15	185	4.7	8.55	340.3	9.08			
02/02/2025	15:12:25	180	4.7	8.45	341.1	9.08			
02/02/2025	15:12:35	179	4.7	8.44	341.9	9.08			
02/02/2025	15:12:45	179	4.7	8.39	342.7	9.08			
02/02/2025	15:12:55	181	4.7	8.36	343.5	9.07			
02/02/2025	15:13:05	185	4.7	8.35	344.3	9.08			
02/02/2025	15:13:15	110	4.7	7.90	345.1	9.08			
02/02/2025	15:13:25	104	1.8	0.95	345.5	9.08			
02/02/2025	15:13:35	103	9.1	0.92	346.8	9.07			
02/02/2025	15:13:45	109	0.8	4.55	347.7	9.06			
02/02/2025	15:13:55	168	4.6	8.96	348.2	8.98			
02/02/2025	15:14:05	177	4.8	8.45	349.0	8.15			
02/02/2025	15:14:15	196	4.8	8.05	349.8	7.75			
02/02/2025	15:14:25	190	4.6	8.47	350.6	8.39			
02/02/2025	15:14:35	165	4.8	7.84	351.4	7.57			
02/02/2025	15:14:45	183	4.6	8.43	352.2	8.47			
02/02/2025	15:14:55	192	4.7	8.42	352.9	8.45			

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Well			Field		Job Start		Customer		Job Number
MICHAEL SOUTHWORTH MSH 210H 210H			Marshall		Feb/02/2025		SWN		A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	15:15:15	171	4.7	8.36	354.5	8.41			
02/02/2025	15:15:25	192	4.7	8.16	355.3	8.19			
02/02/2025	15:15:35	190	4.8	7.67	356.1	7.41			
02/02/2025	15:15:45	166	4.6	8.12	356.9	8.12			
02/02/2025	15:15:55	159	4.8	7.77	357.7	7.55			
02/02/2025	15:16:00	175	4.6	8.02	358.1	7.94	START DISPLACEMENT 117.5 BBLs		
02/02/2025	15:16:05	176	4.7	7.70	358.4	7.37			
02/02/2025	15:16:15	176	4.8	7.26	359.2	6.41			
02/02/2025	15:16:25	164	5.4	6.01	360.1	5.84			
02/02/2025	15:16:35	154	4.9	6.44	360.9	5.78			
02/02/2025	15:16:45	187	5.0	6.69	361.7	5.27			
02/02/2025	15:16:55	134	3.1	8.10	362.4	8.06			
02/02/2025	15:17:05	206	4.0	7.96	362.9	1.75			
02/02/2025	15:17:15	263	6.4	7.93	363.9	0.15			
02/02/2025	15:17:25	275	6.5	8.24	364.9	0.09			
02/02/2025	15:17:35	276	6.6	8.32	366.0	0.08			
02/02/2025	15:17:45	275	6.6	8.32	367.1	0.07			
02/02/2025	15:17:55	284	6.6	8.31	368.3	0.06			
02/02/2025	15:18:05	292	6.6	8.32	369.4	0.06			
02/02/2025	15:18:15	287	6.6	8.33	370.5	0.06			
02/02/2025	15:18:25	269	4.5	8.84	371.6	0.06			
02/02/2025	15:18:35	257	0.1	8.35	371.7	0.06			
02/02/2025	15:18:45	270	0.1	8.33	371.7	0.06			
02/02/2025	15:18:55	282	6.9	8.32	372.9	0.05			
02/02/2025	15:19:05	309	6.6	8.34	374.0	0.05			
02/02/2025	15:19:15	305	6.5	8.34	375.1	0.05			
02/02/2025	15:19:25	304	6.5	8.34	376.1	0.05			
02/02/2025	15:19:35	307	6.6	8.35	377.2	0.04			
02/02/2025	15:19:45	319	6.6	8.35	378.3	0.04			
02/02/2025	15:19:55	325	6.5	8.35	379.4	0.04			
02/02/2025	15:20:05	327	6.5	8.35	380.5	0.04			
02/02/2025	15:20:15	331	6.5	8.35	381.6	0.04			
02/02/2025	15:20:25	331	6.5	8.35	382.7	0.04			
02/02/2025	15:20:35	337	6.5	8.35	383.8	0.04			
02/02/2025	15:20:45	345	6.5	8.35	384.9	0.04			
02/02/2025	15:20:55	350	6.5	8.35	386.0	0.04			
02/02/2025	15:21:05	341	6.5	8.35	387.1	0.04			
02/02/2025	15:21:15	347	6.5	8.35	388.2	0.04			
02/02/2025	15:21:25	354	6.5	8.35	389.2	0.04			
02/02/2025	15:21:35	357	6.5	8.35	390.3	0.04			
02/02/2025	15:21:45	358	6.5	8.35	391.4	0.04			
02/02/2025	15:21:55	355	6.5	8.35	392.5	0.04			
02/02/2025	15:22:05	362	6.5	8.35	393.6	0.04			
02/02/2025	15:22:15	364	6.6	8.35	394.7	0.04			
02/02/2025	15:22:25	372	6.5	8.35	395.8	0.04			
02/02/2025	15:22:35	364	6.5	8.35	396.9	0.04			
02/02/2025	15:22:45	362	6.5	8.35	398.0	0.04			
02/02/2025	15:22:55	362	6.5	8.35	399.1	0.04			
02/02/2025	15:23:05	377	6.5	8.35	400.1	0.04			
02/02/2025	15:23:15	391	6.5	8.35	401.2	0.04			
02/02/2025	15:23:35	383	6.5	8.35	403.4	0.04			
02/02/2025	15:23:45	395	6.5	8.35	404.5	0.04			
02/02/2025	15:23:55	393	6.5	8.35	405.6	0.04			
02/02/2025	15:24:05	395	6.5	8.35	406.7	0.04			

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message			
02/02/2025	15:24:25	387	6.5	8.35	408.9	0.04				
02/02/2025	15:24:35	403	6.5	8.35	409.9	0.04				
02/02/2025	15:24:45	409	6.5	8.35	411.0	0.04				
02/02/2025	15:24:55	409	6.5	8.35	412.1	0.04				
02/02/2025	15:25:05	404	6.5	8.35	413.2	0.04				
02/02/2025	15:25:15	407	6.5	8.35	414.3	0.04				
02/02/2025	15:25:25	417	6.5	8.35	415.4	0.04				
02/02/2025	15:25:45	411	6.5	8.35	417.6	0.04				
02/02/2025	15:25:55	408	6.5	8.35	418.7	0.04				
02/02/2025	15:26:05	415	6.5	8.35	419.7	0.04				
02/02/2025	15:26:15	417	6.5	8.35	420.8	0.04				
02/02/2025	15:26:25	438	6.5	8.35	421.9	0.04				
02/02/2025	15:26:35	446	6.5	8.35	423.0	0.04				
02/02/2025	15:26:45	429	6.5	8.35	424.1	0.04				
02/02/2025	15:26:55	438	6.5	8.35	425.2	0.04				
02/02/2025	15:27:05	451	6.5	8.35	426.3	0.04				
02/02/2025	15:27:15	452	6.5	8.35	427.4	0.04				
02/02/2025	15:27:25	439	6.5	8.35	428.4	0.04				
02/02/2025	15:27:35	437	6.5	8.35	429.5	0.04				
02/02/2025	15:27:55	455	6.5	8.35	431.7	0.04				
02/02/2025	15:28:05	314	3.5	8.34	432.6	0.04				
02/02/2025	15:28:15	350	3.4	8.35	433.1	0.04				
02/02/2025	15:28:25	332	3.4	8.35	433.7	0.04				
02/02/2025	15:28:35	330	3.4	8.35	434.2	0.04				
02/02/2025	15:28:45	362	3.4	8.35	434.8	0.04				
02/02/2025	15:28:55	343	3.4	8.35	435.4	0.04				
02/02/2025	15:29:05	330	3.4	8.35	435.9	0.04				
02/02/2025	15:29:15	355	3.4	8.35	436.5	0.04				
02/02/2025	15:29:25	341	3.4	8.35	437.1	0.04				
02/02/2025	15:29:35	344	3.4	8.35	437.6	0.04				
02/02/2025	15:29:45	358	3.4	8.35	438.2	0.04				
02/02/2025	15:30:05	386	3.4	8.35	439.3	0.04				
02/02/2025	15:30:15	360	3.4	8.35	439.9	0.03				
02/02/2025	15:30:25	342	3.4	8.35	440.4	0.03				
02/02/2025	15:30:35	337	3.4	8.35	441.0	0.03				
02/02/2025	15:30:45	348	3.4	8.35	441.6	0.03				
02/02/2025	15:30:55	346	3.4	8.35	442.1	0.03				
02/02/2025	15:31:05	382	3.4	8.35	442.7	0.03				
02/02/2025	15:31:15	354	3.4	8.35	443.2	0.03				
02/02/2025	15:31:25	345	3.4	8.35	443.8	0.03				
02/02/2025	15:31:35	365	3.4	8.35	444.4	0.04				
02/02/2025	15:31:45	362	3.4	8.35	444.9	0.04				
02/02/2025	15:31:55	363	3.4	8.35	445.5	0.04				
02/02/2025	15:32:15	360	3.4	8.35	446.6	0.03				
02/02/2025	15:32:25	366	3.4	8.35	447.2	0.04				
02/02/2025	15:32:35	374	3.4	8.35	447.7	0.04				
02/02/2025	15:32:45	367	3.4	8.35	448.3	0.04				
02/02/2025	15:32:55	367	3.4	8.35	448.9	0.03				
02/02/2025	15:33:05	364	3.4	8.35	449.4	0.03				
02/02/2025	15:33:15	375	3.4	8.35	450.0	0.03				
02/02/2025	15:33:25	378	3.4	8.35	450.6	0.03				
02/02/2025	15:33:35	370	3.4	8.35	451.1	0.03				
02/02/2025	15:33:45	360	3.4	8.35	451.7	0.03				
02/02/2025	15:33:55	368	3.4	8.35	452.2	0.03				

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Well MICHAEL SOUTHWORTH MSH 210H 210H			Field Marshall		Job Start Feb/02/2025		Customer SWN		Job Number A.1059713.12.20
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message		
02/02/2025	15:34:15	385	3.4	8.35	453.4	0.03			
02/02/2025	15:34:25	377	3.4	8.35	453.9	0.03			
02/02/2025	15:34:35	375	3.4	8.35	454.5	0.03			
02/02/2025	15:34:45	376	3.4	8.35	455.0	0.03			
02/02/2025	15:34:55	392	3.4	8.35	455.6	0.03			
02/02/2025	15:35:00	401	3.4	8.35	455.9	0.03	BUMP THE PLUG 1059 PSI		
02/02/2025	15:35:05	381	3.4	8.35	456.2	0.03			
02/02/2025	15:35:15	384	3.4	8.35	456.7	0.04			
02/02/2025	15:35:25	386	3.4	8.35	457.3	0.03			
02/02/2025	15:35:35	393	3.4	8.35	457.9	0.03			
02/02/2025	15:35:45	397	3.4	8.35	458.4	0.03			
02/02/2025	15:35:55	1087	2.1	8.35	459.0	0.03			
02/02/2025	15:36:05	1065	0.0	8.35	459.1	0.04			
02/02/2025	15:36:15	1060	0.0	8.35	459.1	0.04			
02/02/2025	15:36:25	1059	0.0	8.35	459.1	0.03			
02/02/2025	15:36:35	1057	0.0	8.35	459.1	0.04			
02/02/2025	15:36:45	1057	0.0	8.35	459.1	0.04			
02/02/2025	15:36:55	1057	0.0	8.35	459.1	0.04			
02/02/2025	15:37:05	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:37:15	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:37:25	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:37:35	1056	0.0	8.35	459.1	0.03			
02/02/2025	15:37:45	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:37:55	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:38:05	1056	0.0	8.35	459.1	0.03			
02/02/2025	15:38:15	1056	0.0	8.35	459.1	0.03			
02/02/2025	15:38:25	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:38:35	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:38:45	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:38:55	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:39:00	1055	0.0	8.35	459.1	0.03	CHECK FLOW BACK 1 BBLS		
02/02/2025	15:39:05	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:39:15	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:39:25	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:39:35	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:39:45	1056	0.0	8.35	459.1	0.04			
02/02/2025	15:39:55	1055	0.0	8.35	459.1	0.03			
02/02/2025	15:40:05	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:40:15	1055	0.0	8.35	459.1	0.04			
02/02/2025	15:40:25	1055	0.0	8.35	459.2	0.04			
02/02/2025	15:40:35	1055	0.0	8.35	459.2	0.04			
02/02/2025	15:40:45	1055	0.0	8.35	459.2	0.04			
02/02/2025	15:40:55	1054	0.0	8.35	459.2	0.04			
02/02/2025	15:41:05	317	0.0	8.35	459.2	0.04			
02/02/2025	15:41:15	33	0.0	8.35	459.2	0.04			
02/02/2025	15:41:25	34	0.0	8.35	459.2	0.04			
02/02/2025	15:41:35	35	0.0	8.35	459.2	0.04			
02/02/2025	15:41:45	35	0.0	8.35	459.2	0.04			
02/02/2025	15:41:55	37	0.0	8.35	459.2	0.04			
02/02/2025	15:42:00	37	0.0	8.35	459.2	0.04	NOTE: CMT TO SURFACE 80 BBLS / TOP OF TAIL 0 FT		
02/02/2025	15:42:05	36	0.0	8.35	459.2	0.04			
02/02/2025	15:42:15	35	0.0	8.35	459.2	0.04			
02/02/2025	15:42:25	37	0.0	8.35	459.2	0.04			
02/02/2025	15:42:35	37	0.0	8.35	459.2	0.04			

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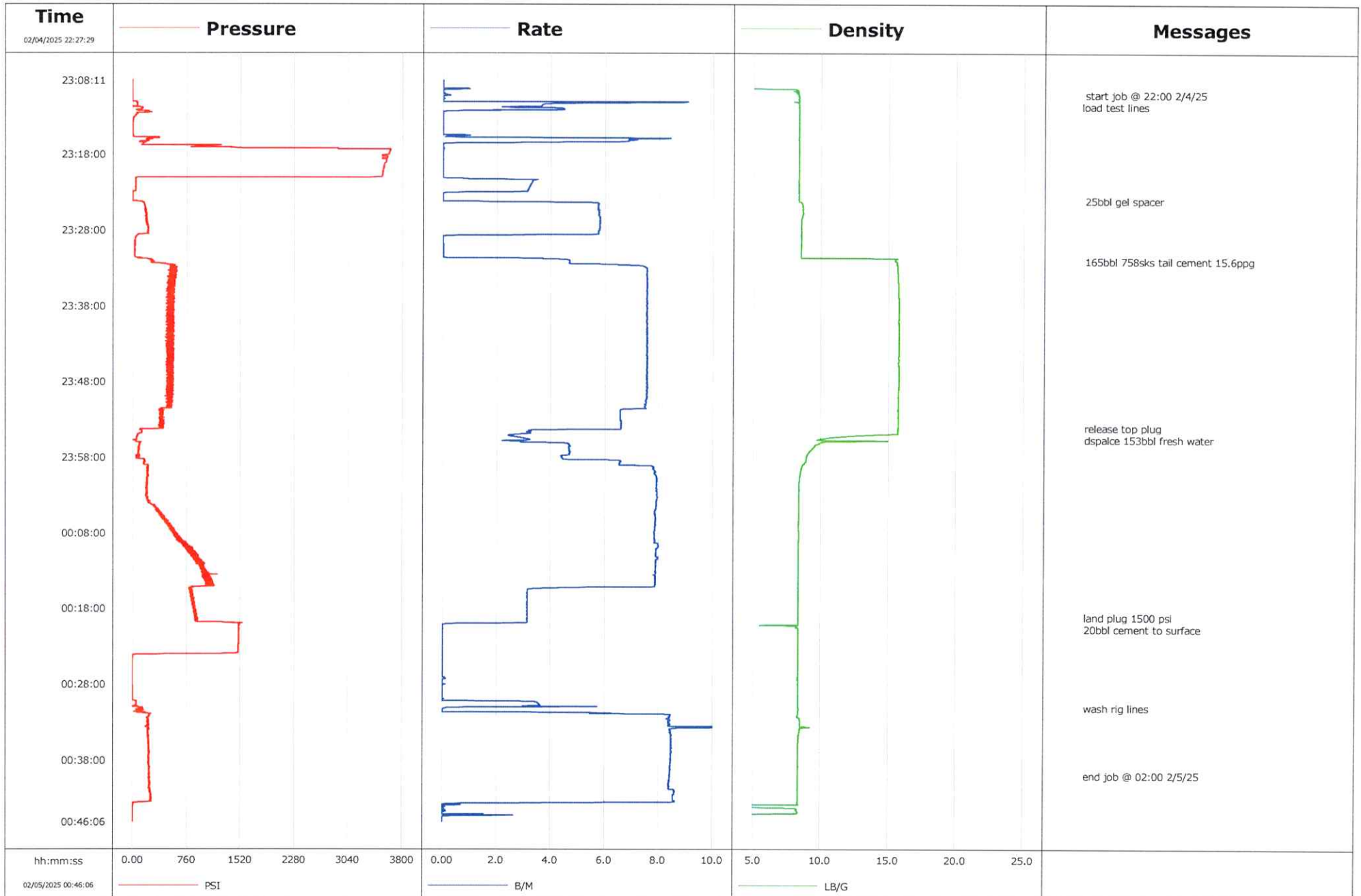
Well			Field		Job Start		Customer		Job Number	
MICHAEL SOUTHWORTH MSH 210H 210H			Marshall		Feb/02/2025		SWN		A.1059713.12.20	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_MIX_DENSITY LB/G	Message			
02/02/2025	15:42:55	37	0.0	8.35	459.2	0.04				
02/02/2025	15:43:05	37	0.0	8.35	459.2	0.04				
02/02/2025	15:43:15	38	0.0	8.35	459.2	0.04				
02/02/2025	15:43:25	36	0.0	8.35	459.2	0.04				
02/02/2025	15:43:35	34	0.0	8.35	459.2	0.04				
02/02/2025	15:43:45	37	0.0	8.35	459.2	0.04				
02/02/2025	15:43:55	36	0.0	8.35	459.2	0.04				
02/02/2025	15:44:05	36	0.0	8.35	459.2	0.04				
02/02/2025	15:44:15	35	0.0	8.35	459.2	0.04				
02/02/2025	15:44:25	37	0.0	8.35	459.2	0.04				
02/02/2025	15:44:35	36	0.0	8.35	459.2	0.04				
02/02/2025	15:44:45	36	0.0	8.35	459.3	0.04				
02/02/2025	15:44:55	37	0.0	8.35	459.3	0.04				
02/02/2025	15:45:05	37	0.0	8.35	459.3	0.04				
02/02/2025	15:45:15	35	0.0	8.35	459.3	0.04				
02/02/2025	15:45:25	36	0.0	8.35	459.3	0.04				

### Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
	0			195.0		25.0	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
	0		1059		FreshWater	1000.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	80.0 bbl
0.0 %	195.0 bbl	117.5 bbl	58 degF	Washed Thru Perfs	<input type="checkbox"/>	To	807.0 ft
Customer or Authorized Representative			Schlumberger Supervisor	Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
			RAUL SEGOVIA	-		-	

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<b>Well</b>	Michael Southworth 210H	<b>Client</b>	Expand Energy
<b>Field</b>	Panhaldle	<b>SIR No.</b>	1059713.12.25
<b>Engineer</b>	Danny Cover	<b>Job Type</b>	Intermediate
<b>Country</b>		<b>Job Date</b>	







# Cementing Service Report

Customer Expand Energy				Job Number 1059713.12.25			
Well Michael Southworth 210H 210H		Location (Legal) 47-051-01562-00-00		Schlumberger Location Aberdeen		Job Start Feb/05/2025	
Field Panhandle		Formation Name/Type		Deviation deg	Bit Size 12.3 in	Well MD 2018.0 ft	Well TVD 2018.0 ft
County Marshall		State/Province West Virginia		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master 0067427315		API/UWI 47-051-01562-00-00					
Rig Name 41	Drilled For Gas	Service Via Land		Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
				807.0	13.4	54.5	N/A
				2018.0	9.6	36.0	N/A
							8RD
Offshore Zone	Well Class New	Well Type Development					
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing	Job Type Intermediate						
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection Single Cement head		Perforations/Open Hole			
				Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				Treat Down Casing	Displacement 153.0 bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 157.0 bbl	Annular Vol. bbl	Openhole Vol. bbl
Casing/Tubing Secured <input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools				Squeeze Job
Lift Pressure psi	Shoe Type Float		Squeeze Type				
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2018.0 ft	Tool Type			
No. Centralizers	Top Plugs 1	Bottom Plugs	Stage Tool Type	Tool Depth ft			
Cement Head Type Single	Stage Tool Depth ft		Tail Pipe Size in				
Job Scheduled For Feb/04/2025 22:00	Arrived on Location Feb/04/2025 22:00	Leave Location Feb/05/2025 02:00	Collar Type Float	Tail Pipe Depth ft			
			Collar Depth 1972.0 ft	Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
02/04/2025	22:27:29	-1	0.0	0.00	0.0		
02/04/2025	22:27:59	-1	0.0	0.00	0.0		
02/04/2025	22:28:29	-1	0.0	0.00	0.0		
02/04/2025	22:28:59	-0	0.0	0.00	0.0		
02/04/2025	22:29:29	-1	0.0	0.00	0.0		
02/04/2025	22:29:59	-1	0.0	0.00	0.0		
02/04/2025	22:30:29	-2	0.0	0.00	0.0		
02/04/2025	22:30:59	-2	0.0	0.00	0.0		
02/04/2025	22:31:29	-1	0.0	0.00	0.0		
02/04/2025	22:31:59	-1	0.0	0.00	0.0		
02/04/2025	22:32:29	-2	0.0	0.00	0.0		
02/04/2025	22:32:59	-2	0.0	0.00	0.0		
02/04/2025	22:33:29	-2	0.0	0.00	0.0		
02/04/2025	22:33:59	-2	0.0	0.00	0.0		
02/04/2025	22:34:29	-3	0.0	0.00	0.0		
02/04/2025	22:34:59	-1	0.0	0.00	0.0		
02/04/2025	22:35:29	-2	0.0	0.00	0.0		
02/04/2025	22:35:59	-1	0.0	0.00	0.0		
02/04/2025	22:36:29	-1	0.0	0.00	0.0		
02/04/2025	22:36:59	-1	0.0	0.00	0.0		
02/04/2025	22:37:29	-1	0.0	0.00	0.0		

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/05/2025		Expand Energy		1059713.12.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/04/2025	22:38:29	-2	0.0	0.00	0.0				
02/04/2025	22:38:59	-2	0.0	0.00	0.0				
02/04/2025	22:39:29	-2	0.0	0.00	0.0				
02/04/2025	22:39:59	-2	0.0	0.01	0.0				
02/04/2025	22:40:29	-1	0.0	0.00	0.0				
02/04/2025	22:40:59	-2	0.0	0.01	0.0				
02/04/2025	22:41:29	-2	0.0	0.01	0.0				
02/04/2025	22:41:59	-2	0.0	0.00	0.0				
02/04/2025	22:42:29	-2	0.0	0.00	0.0				
02/04/2025	22:42:59	-2	0.0	0.00	0.0				
02/04/2025	22:43:29	-3	0.0	0.00	0.0				
02/04/2025	22:43:59	-2	0.0	0.00	0.0				
02/04/2025	22:44:29	-2	0.0	0.00	0.0				
02/04/2025	22:44:59	-2	0.0	0.00	0.0				
02/04/2025	22:45:29	-2	0.0	0.00	0.0				
02/04/2025	22:45:59	-2	0.0	0.00	0.0				
02/04/2025	22:46:29	-3	0.0	0.00	0.0				
02/04/2025	22:46:59	-3	0.0	0.00	0.0				
02/04/2025	22:47:29	-2	0.0	0.00	0.0				
02/04/2025	22:47:59	-2	0.0	0.00	0.0				
02/04/2025	22:48:29	-2	0.0	0.00	0.0				
02/04/2025	22:48:59	-2	0.0	0.01	0.0				
02/04/2025	22:49:29	-2	0.0	0.00	0.0				
02/04/2025	22:49:59	-2	0.0	0.01	0.0				
02/04/2025	22:50:29	-3	0.0	0.00	0.0				
02/04/2025	22:50:59	-2	0.0	0.00	0.0				
02/04/2025	22:51:29	-2	0.0	0.00	0.0				
02/04/2025	22:51:59	-2	0.0	0.00	0.0				
02/04/2025	22:52:29	-3	0.0	0.00	0.0				
02/04/2025	22:52:59	-2	0.0	0.00	0.0				
02/04/2025	22:53:29	-2	0.0	0.00	0.0				
02/04/2025	22:53:59	-2	0.0	0.01	0.0				
02/04/2025	22:54:29	-2	0.0	0.00	0.0				
02/04/2025	22:54:59	-2	0.0	0.00	0.0				
02/04/2025	22:55:29	-2	0.0	0.00	0.0				
02/04/2025	22:55:59	-2	0.0	0.00	0.0				
02/04/2025	22:56:29	-2	0.0	0.01	0.0				
02/04/2025	22:56:59	-2	0.0	0.00	0.0				
02/04/2025	22:57:29	-2	0.0	0.00	0.0				
02/04/2025	22:57:59	-2	0.0	0.01	0.0				
02/04/2025	22:58:29	-2	0.0	0.00	0.0				
02/04/2025	22:58:59	-3	0.0	0.01	0.0				
02/04/2025	22:59:29	-2	0.0	0.00	0.0				
02/04/2025	22:59:59	-3	0.0	0.00	0.0				
02/04/2025	23:00:29	-3	0.0	0.00	0.0				
02/04/2025	23:00:59	-2	0.0	0.00	0.0				
02/04/2025	23:01:29	-2	0.0	0.00	0.0				
02/04/2025	23:01:59	-2	0.0	0.00	0.0				
02/04/2025	23:02:29	-3	0.0	0.00	0.0				
02/04/2025	23:02:59	-3	0.0	0.00	0.0				
02/04/2025	23:03:29	-3	0.0	0.01	0.0				
02/04/2025	23:03:59	-3	0.0	0.00	0.0				
02/04/2025	23:04:29	-3	0.0	0.00	0.0				
02/04/2025	23:04:59	-3	0.0	0.01	0.0				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/05/2025		Expand Energy		1059713.12.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/04/2025	23:05:59	-3	0.0	0.00	0.0				
02/04/2025	23:06:29	-3	0.0	0.00	0.0				
02/04/2025	23:06:59	-3	0.0	0.00	0.0				
02/04/2025	23:07:29	-3	0.0	0.00	0.0				
02/04/2025	23:07:59	-3	0.0	0.00	0.0				
02/04/2025	23:08:29	-2	0.0	0.00	0.0				
02/04/2025	23:08:59	-3	0.0	0.00	0.0				
02/04/2025	23:09:29	-1	0.0	8.27	0.1				
02/04/2025	23:09:59	-3	0.0	8.34	0.1				
02/04/2025	23:10:00	-2	0.0	8.30	0.1	start job @ 22:00 2/4/25			
02/04/2025	23:10:29	-2	0.0	8.35	0.2				
02/04/2025	23:10:59	-2	0.0	8.35	0.2				
02/04/2025	23:11:00	-1	0.0	8.35	0.2	load test lines			
02/04/2025	23:11:29	64	3.7	8.35	2.6				
02/04/2025	23:11:59	134	4.5	8.35	4.4				
02/04/2025	23:12:29	232	0.0	8.37	5.2				
02/04/2025	23:12:59	36	0.0	8.36	5.2				
02/04/2025	23:13:29	9	0.0	8.36	5.2				
02/04/2025	23:13:59	5	0.0	8.36	5.2				
02/04/2025	23:14:59	4	0.0	8.36	5.2				
02/04/2025	23:15:29	7	1.0	8.36	5.3				
02/04/2025	23:15:59	217	7.1	8.35	7.0				
02/04/2025	23:16:29	158	0.9	8.35	10.0				
02/04/2025	23:16:59	911	0.0	8.35	10.0				
02/04/2025	23:17:29	3622	0.0	8.36	10.0				
02/04/2025	23:17:59	3599	0.0	8.36	10.0				
02/04/2025	23:18:29	3577	0.0	8.35	10.0				
02/04/2025	23:18:59	3565	0.0	8.36	10.0				
02/04/2025	23:19:29	3536	0.0	8.36	10.0				
02/04/2025	23:19:59	3523	0.0	8.35	10.0				
02/04/2025	23:20:29	3519	0.0	8.35	10.0				
02/04/2025	23:21:29	48	3.3	8.34	10.9				
02/04/2025	23:21:59	44	3.2	8.35	12.6				
02/04/2025	23:22:29	45	3.2	8.35	14.2				
02/04/2025	23:22:59	8	0.9	8.35	15.6				
02/04/2025	23:23:29	4	0.0	8.35	15.7				
02/04/2025	23:23:59	4	0.0	8.35	15.7				
02/04/2025	23:24:00	3	0.0	8.35	15.7	25bbl gel spacer			
02/04/2025	23:24:29	165	5.7	8.60	17.0				
02/04/2025	23:24:59	181	5.7	8.67	19.8				
02/04/2025	23:25:29	179	5.8	8.67	22.7				
02/04/2025	23:25:59	201	5.8	8.64	25.6				
02/04/2025	23:26:29	185	5.8	8.56	28.5				
02/04/2025	23:26:59	205	5.8	8.54	31.4				
02/04/2025	23:27:29	216	5.8	8.54	34.3				
02/04/2025	23:27:59	223	5.8	8.54	37.2				
02/04/2025	23:28:29	217	5.7	8.54	40.1				
02/04/2025	23:28:59	45	0.0	8.54	40.9				
02/04/2025	23:29:29	35	0.0	8.54	40.9				
02/04/2025	23:29:59	36	0.0	8.54	40.9				
02/04/2025	23:30:29	34	0.0	8.53	40.9				
02/04/2025	23:30:59	34	0.0	8.53	40.9				
02/04/2025	23:31:29	30	0.0	8.53	41.0				
02/04/2025	23:31:59	266	4.7	15.48	42.3				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/05/2025		Expand Energy		1059713.12.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/04/2025	23:32:29	470	6.1	15.61	44.7				
02/04/2025	23:32:59	601	7.5	15.65	48.3				
02/04/2025	23:33:29	558	7.5	15.67	52.1				
02/04/2025	23:33:59	547	7.5	15.71	55.8				
02/04/2025	23:34:29	572	7.6	15.71	59.6				
02/04/2025	23:34:59	575	7.6	15.72	63.4				
02/04/2025	23:35:29	535	7.6	15.73	67.1				
02/04/2025	23:35:59	536	7.5	15.74	70.9				
02/04/2025	23:36:29	542	7.5	15.75	74.7				
02/04/2025	23:36:59	534	7.5	15.76	78.4				
02/04/2025	23:37:29	522	7.5	15.76	82.2				
02/04/2025	23:37:59	526	7.5	15.77	86.0				
02/04/2025	23:38:29	541	7.5	15.77	89.7				
02/04/2025	23:38:59	547	7.5	15.76	93.5				
02/04/2025	23:39:29	544	7.6	15.76	97.3				
02/04/2025	23:39:59	560	7.5	15.75	101.1				
02/04/2025	23:40:29	518	7.5	15.76	104.8				
02/04/2025	23:40:59	494	7.6	15.77	108.6				
02/04/2025	23:41:29	499	7.6	15.76	112.4				
02/04/2025	23:41:59	568	7.5	15.77	116.1				
02/04/2025	23:42:29	572	7.5	15.77	119.9				
02/04/2025	23:42:59	510	7.5	15.77	123.7				
02/04/2025	23:43:29	480	7.6	15.77	127.4				
02/04/2025	23:43:59	554	7.5	15.77	131.2				
02/04/2025	23:44:29	579	7.5	15.77	135.0				
02/04/2025	23:44:59	506	7.6	15.76	138.8				
02/04/2025	23:45:29	472	7.6	15.72	142.5				
02/04/2025	23:45:59	541	7.5	15.76	146.3				
02/04/2025	23:46:29	571	7.5	15.77	150.1				
02/04/2025	23:46:59	578	7.5	15.77	153.9				
02/04/2025	23:47:29	492	7.5	15.76	157.6				
02/04/2025	23:47:59	480	7.5	15.76	161.4				
02/04/2025	23:48:29	578	7.6	15.76	165.2				
02/04/2025	23:48:59	573	7.6	15.75	168.9				
02/04/2025	23:49:29	485	7.5	15.75	172.7				
02/04/2025	23:49:59	461	7.6	15.72	176.5				
02/04/2025	23:50:29	549	7.5	15.74	180.3				
02/04/2025	23:50:59	545	7.5	15.73	184.0				
02/04/2025	23:51:29	477	7.5	15.73	187.7				
02/04/2025	23:51:59	381	6.6	15.72	191.2				
02/04/2025	23:52:29	398	6.6	15.74	194.4				
02/04/2025	23:52:59	415	6.6	15.73	197.7				
02/04/2025	23:53:29	409	6.6	15.73	201.0				
02/04/2025	23:53:59	417	6.6	15.73	204.3				
02/04/2025	23:54:00	401	6.6	15.73	204.4	release top plug			
02/04/2025	23:54:29	125	3.2	15.72	207.2				
02/04/2025	23:54:59	79	2.7	14.31	208.7				
02/04/2025	23:55:00	76	2.7	14.08	208.8	dspalce 153bbl fresh water			
02/04/2025	23:55:29	58	3.0	10.35	210.1				
02/04/2025	23:55:59	45	2.9	10.11	211.5				
02/04/2025	23:56:29	94	4.7	9.58	213.7				
02/04/2025	23:56:59	85	4.7	9.32	216.1				
02/04/2025	23:57:29	88	4.7	9.08	218.4				
02/04/2025	23:57:59	93	4.4	8.95	220.7				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/05/2025		Expand Energy		1059713.12.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/04/2025	23:58:59	168	6.5	8.69	226.5				
02/04/2025	23:59:29	216	7.8	8.58	230.3				
02/04/2025	23:59:59	211	7.8	8.52	234.2				
02/05/2025	00:00:29	205	7.9	8.46	238.1				
02/05/2025	00:00:59	202	7.9	8.43	242.1				
02/05/2025	00:01:29	203	7.9	8.42	246.0				
02/05/2025	00:01:59	202	7.9	8.41	250.0				
02/05/2025	00:02:29	201	7.9	8.42	253.9				
02/05/2025	00:02:59	189	7.9	8.42	257.9				
02/05/2025	00:03:29	201	7.9	8.41	261.9				
02/05/2025	00:03:59	221	7.9	8.39	265.8				
02/05/2025	00:04:29	295	7.9	8.39	269.8				
02/05/2025	00:04:59	362	7.9	8.40	273.7				
02/05/2025	00:05:29	394	7.8	8.41	277.6				
02/05/2025	00:05:59	412	7.9	8.40	281.6				
02/05/2025	00:06:29	497	7.9	8.39	285.5				
02/05/2025	00:06:59	497	7.9	8.38	289.4				
02/05/2025	00:07:29	576	7.8	8.38	293.4				
02/05/2025	00:07:59	601	7.8	8.41	297.3				
02/05/2025	00:08:29	620	7.8	8.40	301.2				
02/05/2025	00:08:59	701	7.8	8.39	305.1				
02/05/2025	00:09:29	692	8.0	8.36	309.0				
02/05/2025	00:09:59	771	7.9	8.36	313.0				
02/05/2025	00:10:29	847	7.9	8.36	317.0				
02/05/2025	00:10:59	836	7.9	8.36	320.9				
02/05/2025	00:11:29	934	7.9	8.36	324.9				
02/05/2025	00:12:29	950	7.9	8.36	332.8				
02/05/2025	00:12:59	994	7.9	8.36	336.7				
02/05/2025	00:13:29	1190	7.8	8.36	340.6				
02/05/2025	00:13:59	1101	7.9	8.36	344.6				
02/05/2025	00:14:29	1122	7.9	8.36	348.5				
02/05/2025	00:14:59	1070	7.9	8.36	352.4				
02/05/2025	00:15:29	824	3.1	8.36	355.1				
02/05/2025	00:15:59	810	3.1	8.36	356.6				
02/05/2025	00:16:29	847	3.1	8.36	358.2				
02/05/2025	00:16:59	830	3.1	8.36	359.8				
02/05/2025	00:17:29	866	3.1	8.36	361.3				
02/05/2025	00:17:59	852	3.1	8.36	362.9				
02/05/2025	00:18:59	870	3.1	8.36	366.0				
02/05/2025	00:19:00	892	3.1	8.36	366.1	land plug 1500 psi			
02/05/2025	00:19:29	911	3.1	8.36	367.6				
02/05/2025	00:19:59	1505	0.3	8.36	369.0				
02/05/2025	00:20:00	1496	0.2	8.36	369.0	20bbl cement to surface			
02/05/2025	00:20:29	1497	0.0	8.26	369.0				
02/05/2025	00:20:59	1497	0.0	8.36	369.0				
02/05/2025	00:21:29	1495	0.0	8.36	369.0				
02/05/2025	00:21:59	1495	0.0	8.36	369.0				
02/05/2025	00:22:29	1492	0.0	8.36	369.0				
02/05/2025	00:22:59	1489	0.0	8.36	369.0				
02/05/2025	00:23:29	1486	0.0	8.36	369.0				
02/05/2025	00:23:59	981	0.0	8.36	369.0				
02/05/2025	00:24:29	1	0.0	8.36	369.0				
02/05/2025	00:24:59	-1	0.0	8.36	369.0				
02/05/2025	00:25:29	-2	0.0	8.36	369.0				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/05/2025		Expand Energy		1059713.12.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/05/2025	00:26:29	-1	0.0	8.36	369.1				
02/05/2025	00:26:59	-1	0.0	8.36	369.1				
02/05/2025	00:27:29	-2	0.0	8.36	369.1				
02/05/2025	00:27:59	-1	0.1	8.35	369.1				
02/05/2025	00:28:29	5	0.0	8.36	369.1				
02/05/2025	00:28:59	6	0.0	8.36	369.1				
02/05/2025	00:29:29	6	0.0	8.36	369.1				
02/05/2025	00:29:59	6	0.0	8.36	369.1				
02/05/2025	00:30:29	56	3.5	8.36	370.1				
02/05/2025	00:30:59	14	3.4	8.37	371.9				
02/05/2025	00:31:00	41	2.3	8.37	371.9	wash rig lines			
02/05/2025	00:31:29	125	0.0	8.38	372.0				
02/05/2025	00:31:59	251	8.4	8.35	374.0				
02/05/2025	00:32:29	208	8.3	8.47	378.2				
02/05/2025	00:32:59	221	8.4	8.53	382.4				
02/05/2025	00:33:29	225	8.4	8.52	386.6				
02/05/2025	00:33:59	214	8.4	8.50	391.3				
02/05/2025	00:34:29	221	8.5	8.45	395.5				
02/05/2025	00:34:59	216	8.5	8.41	399.8				
02/05/2025	00:35:29	225	8.5	8.39	404.0				
02/05/2025	00:35:59	229	8.5	8.39	408.2				
02/05/2025	00:36:29	228	8.5	8.38	412.5				
02/05/2025	00:36:59	231	8.5	8.38	416.7				
02/05/2025	00:37:29	233	8.5	8.38	420.9				
02/05/2025	00:37:59	229	8.4	8.38	425.2				
02/05/2025	00:38:29	232	8.4	8.39	429.4				
02/05/2025	00:38:59	244	8.4	8.39	433.6				
02/05/2025	00:39:29	233	8.4	8.38	437.8				
02/05/2025	00:39:59	235	8.4	8.38	442.0				
02/05/2025	00:40:00	233	8.4	8.38	442.2	end job @ 02:00 2/5/25			
02/05/2025	00:40:29	235	8.4	8.38	446.2				
02/05/2025	00:40:59	243	8.4	8.37	450.5				
02/05/2025	00:41:29	243	8.4	8.36	454.6				
02/05/2025	00:41:59	251	8.6	8.36	458.9				
02/05/2025	00:42:29	259	8.6	8.36	463.2				
02/05/2025	00:42:59	261	8.5	8.36	467.4				
02/05/2025	00:43:29	258	8.6	8.36	471.7				
02/05/2025	00:43:59	9	0.0	2.86	473.2				
02/05/2025	00:44:29	5	0.1	8.26	473.2				
02/05/2025	00:44:59	5	0.0	8.33	473.2				
02/05/2025	00:45:29	0	0.0	0.05	473.4				

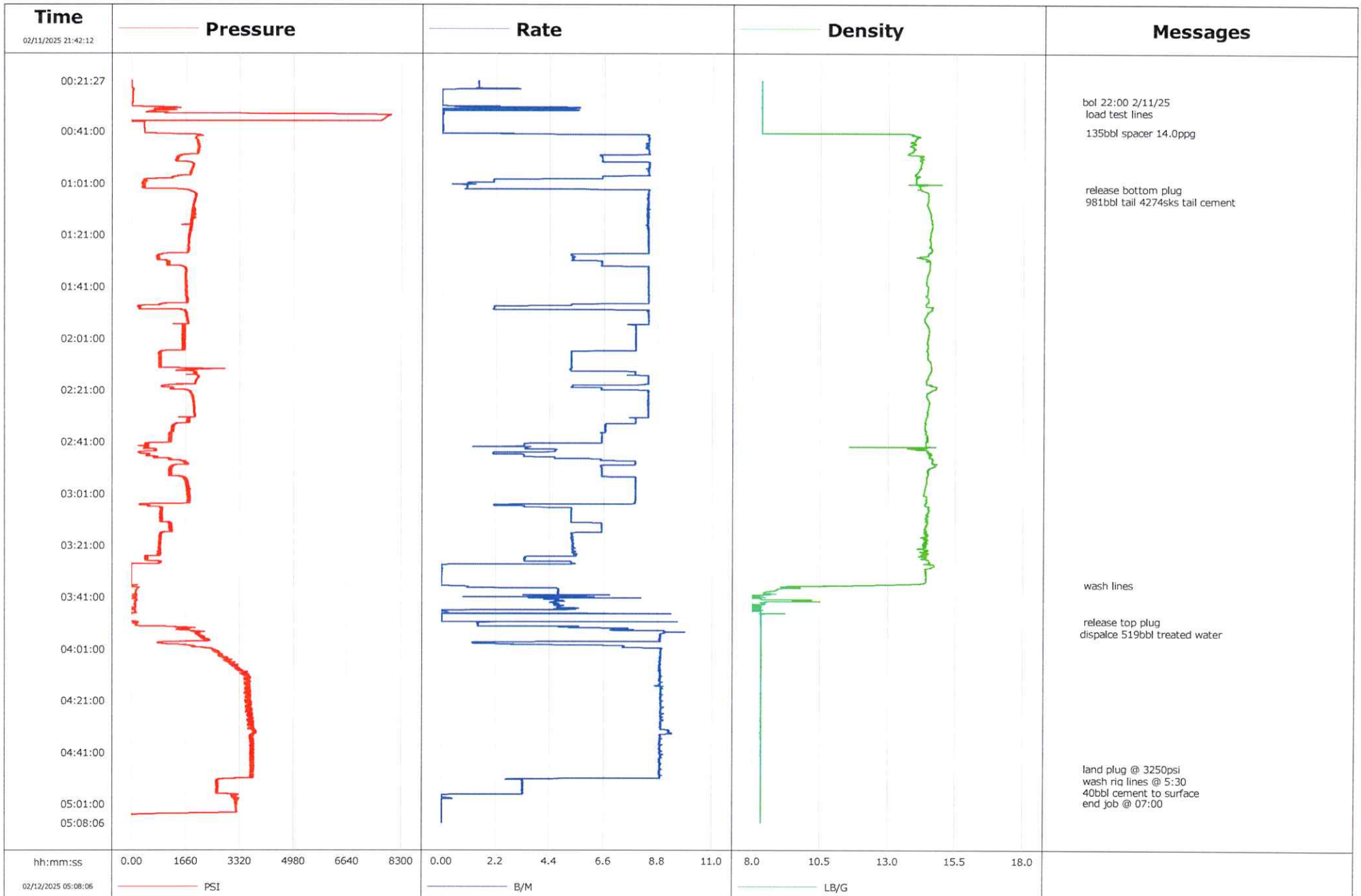
<b>Well</b> Michael Southworth 210H 210H	<b>Field</b> Panhandle	<b>Job Start</b> Feb/05/2025	<b>Customer</b> Expand Energy	<b>Job Number</b> 1059713.12.25
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### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.6	N2	Mud	Maximum Rate 12.9	Total Slurry 165.0	Mud 0.0	Spacer 25.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3631	Final 2	Average 547	Bump Plug to 1500	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 165.0 bbl	Displacement 153.0 bbl	Mix Water Temp 68 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Washed Thru Perfs <input type="checkbox"/>	Volume 20.0 bbl	To ft	
Customer or Authorized Representative			Schlumberger Supervisor Danny Cover		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		

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<b>Well</b>	Michael Southworth 210H	<b>Client</b>	Expand Energy
<b>Field</b>	Panhandle	<b>SIR No.</b>	1059713.12.30
<b>Engineer</b>	Danny Cover	<b>Job Type</b>	Production
<b>Country</b>		<b>Job Date</b>	







# Cementing Service Report

				Customer Expand Energy			Job Number 1059713.12.30										
Well Michael Southworth 210H 210H			Location (legal) 47-051-01562-00-00			Schlumberger Location Strasburg			Job Start Feb/12/2025								
Field Panhandle		Formation Name/Type			Deviation deg		Bit Size 8.5 in		Well MD 23453.0 ft		Well TVD 6570.0 ft						
County Marshall		State/Province West Virginia			BHP psi		BHST 132 degF		BHCT 132 degF		Pore Press. Gradient lb/gal						
Well Master 0067427315		API/UWI 47-051-01562-00-00															
Rig Name 41		Drilled For Gas		Service Via Land		Casing/Liner											
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread			
Offshore Zone		Well Class New		Well Type Development		2018.0		9.6		36.0		N/A		N/A			
						23453.0		5.5		20.0		110		BUTT			
Drilling Fluid Type			Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe										
						T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing		Job Type Production															
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole											
						Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval ft			
						ft		ft						Diameter in			
						ft		ft									
						Treat Down Casing		Displacement 519.0 bbl		Packer Type		Packer Depth ft					
						Tubing Vol. bbl		Casing Vol. 520.0 bbl		Annular Vol. bbl		Openhole Vol. bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools				Squeeze Job							
Lift Pressure psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type Float		Shoe Depth 23453.0 ft		Squeeze Type		Tool Type					
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type		Stage Tool Depth ft		Tool Depth ft		Tail Pipe Size in					
Cement Head Type Single		Job Scheduled For Feb/11/2025 22:00		Arrived on Location Feb/11/2025 22:00		Leave Location Feb/12/2025 08:00		Collar Type Float		Collar Depth 23406.0 ft		Tail Pipe Depth ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message											
02/11/2025	21:42:12	130	25.0	0.01	0.4												
02/11/2025	21:42:42	130	25.0	0.01	12.9												
02/11/2025	21:43:12	130	25.0	0.01	25.4												
02/11/2025	21:43:42	130	25.0	0.01	37.9												
02/11/2025	21:44:12	130	25.0	0.01	50.4												
02/11/2025	21:44:42	129	25.0	0.01	62.9												
02/11/2025	21:45:12	130	25.0	0.01	75.4												
02/11/2025	21:45:42	131	25.0	0.01	87.9												
02/11/2025	21:46:12	129	25.0	0.01	100.4												
02/11/2025	21:46:42	129	25.0	0.01	112.9												
02/11/2025	21:47:12	129	25.0	0.01	125.4												
02/11/2025	21:47:42	129	25.0	0.01	137.9												
02/11/2025	21:48:12	129	25.0	0.01	150.4												
02/11/2025	21:48:42	128	25.0	0.01	162.9												
02/11/2025	21:49:12	130	25.0	0.01	175.4												
02/11/2025	21:49:42	129	25.0	0.01	187.9												
02/11/2025	21:50:12	128	25.0	0.01	200.4												
02/11/2025	21:50:42	128	25.0	0.01	212.9												
02/11/2025	21:51:12	129	25.0	0.01	225.4												
02/11/2025	21:51:42	129	25.0	0.01	237.9												
02/11/2025	21:52:12	129	25.0	0.01	250.4												

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/11/2025	21:53:12	128	25.0	0.01	275.4				
02/11/2025	21:53:42	128	25.0	0.01	287.9				
02/11/2025	21:54:12	128	25.0	0.01	300.4				
02/11/2025	21:54:42	128	25.0	0.01	312.9				
02/11/2025	21:55:12	128	25.0	0.01	325.4				
02/11/2025	21:55:42	128	25.0	0.01	337.9				
02/11/2025	21:56:12	128	25.0	0.01	350.4				
02/11/2025	21:56:42	128	25.0	0.01	362.9				
02/11/2025	21:57:12	128	25.0	0.01	375.4				
02/11/2025	21:57:42	128	25.0	0.01	387.9				
02/11/2025	21:58:12	128	25.0	0.01	400.4				
02/11/2025	21:58:42	129	25.0	0.01	412.9				
02/11/2025	21:59:12	128	25.0	0.01	425.4				
02/11/2025	21:59:42	128	25.0	0.01	437.9				
02/11/2025	22:00:12	128	25.0	0.01	450.4				
02/11/2025	22:00:42	128	25.0	0.01	462.9				
02/11/2025	22:01:12	128	25.0	0.01	475.4				
02/11/2025	22:01:42	128	25.0	0.01	487.9				
02/11/2025	22:02:12	128	25.0	0.01	500.4				
02/11/2025	22:02:42	128	25.0	0.01	512.9				
02/11/2025	22:03:12	128	25.0	0.01	525.4				
02/11/2025	22:03:42	128	25.0	0.01	537.9				
02/11/2025	22:04:12	128	25.0	0.01	550.4				
02/11/2025	22:04:42	128	25.0	0.01	562.9				
02/11/2025	22:05:12	127	25.0	0.01	575.4				
02/11/2025	22:05:42	128	25.0	0.01	587.9				
02/11/2025	22:06:12	128	25.0	0.01	600.4				
02/11/2025	22:06:42	128	25.0	0.01	612.9				
02/11/2025	22:07:12	128	25.0	0.01	625.4				
02/11/2025	22:07:42	128	25.0	0.01	637.9				
02/11/2025	22:08:12	127	25.0	0.01	650.4				
02/11/2025	22:08:42	128	25.0	0.01	662.9				
02/11/2025	22:09:12	128	25.0	0.01	675.4				
02/11/2025	22:09:42	128	25.0	0.01	687.9				
02/11/2025	22:10:12	128	25.0	0.01	700.4				
02/11/2025	22:10:42	127	25.0	0.01	712.9				
02/11/2025	22:11:12	128	25.0	0.01	725.4				
02/11/2025	22:11:42	128	25.0	0.01	737.9				
02/11/2025	22:12:12	127	25.0	0.01	750.4				
02/11/2025	22:12:42	128	25.0	0.01	762.9				
02/11/2025	22:13:12	127	25.0	0.01	775.4				
02/11/2025	22:13:42	128	25.0	0.01	787.9				
02/11/2025	22:14:12	128	25.0	0.01	800.4				
02/11/2025	22:14:42	127	25.0	0.01	812.9				
02/11/2025	22:15:12	128	25.0	0.01	825.4				
02/11/2025	22:15:42	128	25.0	0.01	837.9				
02/11/2025	22:16:12	128	25.0	0.01	850.4				
02/11/2025	22:16:42	128	25.0	0.01	862.9				
02/11/2025	22:17:12	128	25.0	0.01	875.4				
02/11/2025	22:17:42	128	25.0	0.01	887.9				
02/11/2025	22:18:12	128	25.0	0.01	900.4				
02/11/2025	22:18:42	127	25.0	0.01	912.9				
02/11/2025	22:19:12	127	25.0	0.01	925.4				
02/11/2025	22:19:42	128	25.0	0.01	937.9				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/11/2025	22:20:42	128	25.0	0.01	962.9				
02/11/2025	22:21:12	128	25.0	0.01	975.4				
02/11/2025	22:21:42	128	25.0	0.01	987.9				
02/11/2025	22:22:12	128	25.0	0.01	1000.4				
02/11/2025	22:22:42	128	25.0	0.01	1012.9				
02/11/2025	22:23:12	128	25.0	0.01	1025.4				
02/11/2025	22:23:42	128	25.0	0.01	1037.9				
02/11/2025	22:24:12	127	25.0	0.01	1050.4				
02/11/2025	22:24:42	127	25.0	0.01	1062.9				
02/11/2025	22:25:12	127	25.0	0.01	1075.4				
02/11/2025	22:25:42	127	25.0	0.01	1087.9				
02/11/2025	22:26:12	128	25.0	0.01	1100.4				
02/11/2025	22:26:42	127	25.0	0.01	1112.9				
02/11/2025	22:27:12	127	25.0	0.01	1125.4				
02/11/2025	22:27:42	127	25.0	0.01	1137.9				
02/11/2025	22:28:12	128	25.0	0.01	1150.4				
02/11/2025	22:28:42	127	25.0	0.01	1162.9				
02/11/2025	22:29:42	127	25.0	0.01	1187.9				
02/11/2025	22:30:12	128	25.0	0.01	1200.4				
02/11/2025	22:30:42	127	25.0	0.01	1212.9				
02/11/2025	22:31:12	127	25.0	0.01	1225.4				
02/11/2025	22:31:42	128	25.0	0.01	1237.9				
02/11/2025	22:32:12	127	25.0	0.01	1250.4				
02/11/2025	22:32:42	128	25.0	0.01	1262.9				
02/11/2025	22:33:12	128	25.0	0.01	1275.5				
02/11/2025	22:33:42	127	25.0	0.01	1288.0				
02/11/2025	22:34:12	126	25.0	0.01	1300.5				
02/11/2025	22:34:42	128	25.0	0.01	1313.0				
02/11/2025	22:35:12	127	25.0	0.01	1325.5				
02/11/2025	22:36:12	127	25.0	0.01	1350.5				
02/11/2025	22:36:42	127	25.0	0.01	1363.0				
02/11/2025	22:37:12	126	25.0	0.01	1375.5				
02/11/2025	22:37:42	128	25.0	0.01	1388.0				
02/11/2025	22:38:12	128	25.0	0.01	1400.5				
02/11/2025	22:38:42	127	25.0	0.01	1413.0				
02/11/2025	22:39:12	128	25.0	0.01	1425.5				
02/11/2025	22:39:42	127	25.0	0.01	1438.0				
02/11/2025	22:40:12	128	25.0	0.01	1450.5				
02/11/2025	22:40:42	128	25.0	0.01	1463.0				
02/11/2025	22:41:12	128	25.0	0.01	1475.5				
02/11/2025	22:41:42	127	25.0	0.01	1488.0				
02/11/2025	22:42:12	128	25.0	0.01	1500.5				
02/11/2025	22:42:42	128	25.0	0.01	1513.0				
02/11/2025	22:43:12	128	25.0	0.01	1525.5				
02/11/2025	22:43:42	127	25.0	0.01	1538.0				
02/11/2025	22:44:12	128	25.0	0.01	1550.5				
02/11/2025	22:44:42	128	25.0	0.01	1563.0				
02/11/2025	22:45:12	127	25.0	0.01	1575.5				
02/11/2025	22:45:42	127	25.0	0.01	1588.0				
02/11/2025	22:46:12	127	25.0	0.01	1600.5				
02/11/2025	22:46:42	128	25.0	0.01	1613.0				
02/11/2025	22:47:12	128	25.0	0.01	1625.5				
02/11/2025	22:47:42	128	25.0	0.01	1638.0				
02/11/2025	22:48:12	127	25.0	0.01	1650.5				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/11/2025	22:49:12	128	25.0	0.01	1675.5				
02/11/2025	22:49:42	128	25.0	0.01	1688.0				
02/11/2025	22:50:12	128	25.0	0.01	1700.5				
02/11/2025	22:50:42	128	25.0	0.01	1713.0				
02/11/2025	22:51:12	128	25.0	0.01	1725.5				
02/11/2025	22:51:42	128	25.0	0.01	1738.0				
02/11/2025	22:52:12	128	25.0	0.01	1750.5				
02/11/2025	22:52:42	128	25.0	0.01	1763.0				
02/11/2025	22:53:12	128	25.0	0.01	1775.5				
02/11/2025	22:53:42	128	25.0	0.01	1788.0				
02/11/2025	22:54:12	128	25.0	0.01	1800.5				
02/11/2025	22:54:42	127	25.0	0.01	1813.0				
02/11/2025	22:55:12	128	25.0	0.01	1825.5				
02/11/2025	22:55:42	128	25.0	0.01	1838.0				
02/11/2025	22:56:12	127	25.0	0.01	1850.5				
02/11/2025	22:56:42	128	25.0	0.01	1863.0				
02/11/2025	22:57:12	128	25.0	0.01	1875.5				
02/11/2025	22:57:42	128	25.0	0.01	1888.0				
02/11/2025	22:58:12	128	25.0	0.01	1900.5				
02/11/2025	22:58:42	129	25.0	0.01	1913.0				
02/11/2025	22:59:12	128	25.0	0.01	1925.5				
02/11/2025	22:59:42	128	25.0	0.01	1938.0				
02/11/2025	23:00:12	128	25.0	0.01	1950.5				
02/11/2025	23:00:42	128	25.0	0.01	1963.0				
02/11/2025	23:01:12	128	25.0	0.01	1975.5				
02/11/2025	23:01:42	128	25.0	0.01	1988.0				
02/11/2025	23:02:12	127	25.0	0.01	2000.5				
02/11/2025	23:02:42	127	25.0	0.01	2013.0				
02/11/2025	23:03:12	128	25.0	0.01	2025.5				
02/11/2025	23:03:42	128	25.0	0.01	2038.0				
02/11/2025	23:04:12	128	25.0	0.01	2050.5				
02/11/2025	23:04:42	128	25.0	0.01	2063.0				
02/11/2025	23:05:12	128	25.0	0.01	2075.5				
02/11/2025	23:05:42	128	25.0	0.01	2088.0				
02/11/2025	23:06:12	128	25.0	0.01	2100.5				
02/11/2025	23:06:42	128	25.0	0.01	2113.0				
02/11/2025	23:07:12	128	25.0	0.01	2125.5				
02/11/2025	23:07:42	129	25.0	0.01	2138.0				
02/11/2025	23:08:12	129	25.0	0.01	2150.5				
02/11/2025	23:08:42	128	25.0	0.01	2163.0				
02/11/2025	23:09:12	128	25.0	0.01	2175.5				
02/11/2025	23:09:42	129	25.0	0.01	2188.0				
02/11/2025	23:10:12	128	25.0	0.01	2200.5				
02/11/2025	23:10:42	128	25.0	0.01	2213.0				
02/11/2025	23:11:12	128	25.0	0.01	2225.5				
02/11/2025	23:11:42	129	25.0	0.01	2238.0				
02/11/2025	23:12:12	129	25.0	0.01	2250.5				
02/11/2025	23:12:42	127	25.0	0.01	2263.1				
02/11/2025	23:13:12	128	25.0	0.01	2275.6				
02/11/2025	23:13:42	128	25.0	0.01	2288.1				
02/11/2025	23:14:12	128	25.0	0.01	2300.6				
02/11/2025	23:14:42	128	25.0	0.01	2313.1				
02/11/2025	23:15:12	129	25.0	0.01	2325.6				
02/11/2025	23:15:42	128	25.0	0.01	2338.1				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/11/2025	23:16:42	128	25.0	0.01	2363.1				
02/11/2025	23:17:12	128	25.0	0.01	2375.6				
02/11/2025	23:17:42	128	25.0	0.01	2388.1				
02/11/2025	23:18:12	127	25.0	0.01	2400.6				
02/11/2025	23:18:42	127	25.0	0.01	2413.1				
02/11/2025	23:19:12	128	25.0	0.01	2425.6				
02/11/2025	23:19:42	127	25.0	0.01	2438.1				
02/11/2025	23:20:12	128	25.0	0.01	2450.6				
02/11/2025	23:20:42	0	25.0	0.01	2463.1				
02/11/2025	23:21:12	-1	25.0	0.01	2475.6				
02/11/2025	23:21:42	0	25.0	0.01	2488.1				
02/11/2025	23:22:12	0	25.0	0.01	2500.6				
02/11/2025	23:22:42	0	25.0	0.01	2513.1				
02/11/2025	23:23:12	-0	25.0	0.01	2525.6				
02/11/2025	23:23:42	-0	25.0	0.01	2538.1				
02/11/2025	23:24:12	0	25.0	0.01	2550.6				
02/11/2025	23:24:42	-1	25.0	0.01	2563.1				
02/11/2025	23:25:12	0	25.0	0.01	2575.6				
02/11/2025	23:25:42	1	25.0	0.01	2588.1				
02/11/2025	23:26:12	0	25.0	0.01	2600.6				
02/11/2025	23:27:12	1	25.0	0.01	2625.6				
02/11/2025	23:27:42	1	25.0	0.01	2638.1				
02/11/2025	23:28:12	-1	25.0	0.01	2650.6				
02/11/2025	23:28:42	0	25.0	0.01	2663.1				
02/11/2025	23:29:12	0	25.0	0.01	2675.6				
02/11/2025	23:29:42	0	25.0	0.01	2688.1				
02/11/2025	23:30:12	0	25.0	0.01	2700.6				
02/11/2025	23:30:42	-1	25.0	0.01	2713.1				
02/11/2025	23:31:12	-0	25.0	0.01	2725.6				
02/11/2025	23:31:42	0	25.0	0.01	2738.1				
02/11/2025	23:32:12	-0	25.0	0.01	2750.6				
02/11/2025	23:32:42	0	25.0	0.01	2763.1				
02/11/2025	23:33:42	-0	25.0	0.01	2788.1				
02/11/2025	23:34:12	0	25.0	0.01	2800.6				
02/11/2025	23:34:42	1	25.0	0.01	2813.1				
02/11/2025	23:35:12	-1	25.0	0.01	2825.6				
02/11/2025	23:35:42	1	25.0	0.01	2838.1				
02/11/2025	23:36:12	-0	25.0	0.01	2850.6				
02/11/2025	23:36:42	-0	25.0	0.01	2863.1				
02/11/2025	23:37:12	-0	25.0	0.01	2875.6				
02/11/2025	23:37:42	0	25.0	0.01	2888.1				
02/11/2025	23:38:12	-1	25.0	0.01	2900.6				
02/11/2025	23:38:42	-0	25.0	0.01	2913.1				
02/11/2025	23:39:12	-1	25.0	0.01	2925.6				
02/11/2025	23:39:42	1	25.0	0.01	2938.1				
02/11/2025	23:40:12	0	25.0	0.01	2950.6				
02/11/2025	23:40:42	0	25.0	0.01	2963.1				
02/11/2025	23:41:12	0	25.0	0.01	2975.6				
02/11/2025	23:41:42	-1	25.0	0.01	2988.1				
02/11/2025	23:42:12	0	25.0	0.01	3000.6				
02/11/2025	23:42:42	-1	25.0	0.01	3013.2				
02/11/2025	23:43:12	-0	25.0	0.01	3025.7				
02/11/2025	23:43:42	-1	25.0	0.01	3038.2				
02/11/2025	23:44:12	-0	25.0	0.01	3050.7				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/11/2025	23:45:12	-1	25.0	0.01	3075.7				
02/11/2025	23:45:42	-1	25.0	0.01	3088.2				
02/11/2025	23:46:12	0	25.0	0.01	3100.7				
02/11/2025	23:46:42	-0	25.0	0.01	3113.2				
02/11/2025	23:47:12	0	25.0	0.01	3125.7				
02/11/2025	23:47:42	0	25.0	0.01	3138.2				
02/11/2025	23:48:12	0	25.0	0.01	3150.7				
02/11/2025	23:48:42	0	25.0	0.01	3163.2				
02/11/2025	23:49:12	0	25.0	0.01	3175.7				
02/11/2025	23:49:42	0	25.0	0.01	3188.2				
02/11/2025	23:50:12	0	25.0	0.01	3200.7				
02/11/2025	23:50:42	0	25.0	0.01	3213.2				
02/11/2025	23:51:12	1	25.0	0.01	3225.7				
02/11/2025	23:51:42	0	25.0	0.01	3238.2				
02/11/2025	23:52:12	0	25.0	0.01	3250.7				
02/11/2025	23:52:42	0	25.0	0.01	3263.2				
02/11/2025	23:53:12	0	25.0	0.01	3275.7				
02/11/2025	23:53:42	0	25.0	0.01	3288.2				
02/11/2025	23:54:12	0	25.0	0.01	3300.7				
02/11/2025	23:54:42	-0	25.0	0.01	3313.2				
02/11/2025	23:55:12	-1	25.0	0.01	3325.7				
02/11/2025	23:55:42	-0	25.0	0.01	3338.2				
02/11/2025	23:56:12	0	25.0	0.01	3350.7				
02/11/2025	23:56:42	1	25.0	0.01	3363.2				
02/11/2025	23:57:12	-1	25.0	0.01	3375.6				
02/11/2025	23:57:42	0	25.0	0.01	3388.1				
02/11/2025	23:58:12	0	25.0	0.01	3400.6				
02/11/2025	23:58:42	-0	25.0	0.01	3413.1				
02/11/2025	23:59:12	0	25.0	0.01	3425.6				
02/11/2025	23:59:42	0	25.0	0.01	3438.1				
02/12/2025	00:00:12	0	25.0	0.01	3450.6				
02/12/2025	00:00:42	-0	25.0	0.01	3463.1				
02/12/2025	00:01:12	-1	25.0	0.01	3475.6				
02/12/2025	00:01:42	1	25.0	0.01	3488.1				
02/12/2025	00:02:12	0	25.0	0.01	3500.6				
02/12/2025	00:02:42	1	25.0	0.01	3513.1				
02/12/2025	00:03:12	70	3.2	8.24	3516.0				
02/12/2025	00:03:42	51	3.3	8.33	3517.6				
02/12/2025	00:04:12	324	5.6	8.34	3519.6				
02/12/2025	00:04:42	107	0.1	8.34	3520.9				
02/12/2025	00:05:12	72	0.0	8.34	3520.9				
02/12/2025	00:05:42	60	0.0	8.34	3520.9				
02/12/2025	00:06:12	54	0.0	8.34	3520.9				
02/12/2025	00:06:42	51	0.0	8.34	3520.9				
02/12/2025	00:07:12	47	0.0	8.34	3521.0				
02/12/2025	00:07:42	40	0.0	8.34	3521.0				
02/12/2025	00:08:12	38	0.0	8.34	3521.0				
02/12/2025	00:08:42	38	0.0	8.34	3521.0				
02/12/2025	00:09:12	38	0.0	8.33	3521.0				
02/12/2025	00:09:42	37	0.0	8.33	3521.0				
02/12/2025	00:10:12	33	0.0	8.33	3521.0				
02/12/2025	00:10:42	33	0.0	8.32	3521.0				
02/12/2025	00:11:12	32	0.0	8.32	3521.0				
02/12/2025	00:11:42	33	0.0	8.32	3521.1				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	00:12:42	34	0.0	8.32	3521.1				
02/12/2025	00:13:12	32	0.0	8.32	3521.1				
02/12/2025	00:13:42	33	0.0	8.32	3521.1				
02/12/2025	00:14:12	32	0.0	8.33	3521.1				
02/12/2025	00:14:42	32	0.0	8.32	3521.1				
02/12/2025	00:15:12	32	0.0	8.32	3521.1				
02/12/2025	00:15:42	31	0.0	8.33	3521.1				
02/12/2025	00:16:12	31	0.0	8.33	3521.1				
02/12/2025	00:16:42	31	0.0	8.33	3521.2				
02/12/2025	00:17:12	31	0.0	8.33	3521.2				
02/12/2025	00:17:42	30	0.0	8.33	3521.2				
02/12/2025	00:18:12	30	0.0	8.33	3521.2				
02/12/2025	00:18:42	30	0.0	8.33	3521.2				
02/12/2025	00:19:12	-12	0.0	8.33	3521.2				
02/12/2025	00:19:42	-1	1.4	8.33	3521.7				
02/12/2025	00:20:12	2	1.6	8.33	3522.4				
02/12/2025	00:20:42	1	1.5	8.33	3523.2				
02/12/2025	00:21:12	0	1.5	8.33	3523.9				
02/12/2025	00:21:42	-1	1.5	8.34	3524.7				
02/12/2025	00:22:12	-1	1.5	8.33	3525.4				
02/12/2025	00:22:42	0	1.5	8.33	3526.2				
02/12/2025	00:23:12	0	1.5	8.33	3526.9				
02/12/2025	00:23:42	0	1.5	8.33	3527.6				
02/12/2025	00:24:42	64	0.7	8.33	3529.4				
02/12/2025	00:25:12	51	0.0	8.33	3529.4				
02/12/2025	00:25:42	45	0.0	8.33	3529.4				
02/12/2025	00:26:12	42	0.0	8.33	3529.5				
02/12/2025	00:26:42	40	0.0	8.33	3529.5				
02/12/2025	00:27:12	37	0.0	8.33	3529.5				
02/12/2025	00:27:42	35	0.0	8.33	3529.5				
02/12/2025	00:28:12	34	0.0	8.33	3529.5				
02/12/2025	00:28:42	33	0.0	8.33	3529.5				
02/12/2025	00:29:00	32	0.0	8.33	3529.5	bol 22:00 2/11/25			
02/12/2025	00:29:12	32	0.0	8.33	3529.5				
02/12/2025	00:29:42	31	0.0	8.33	3529.5				
02/12/2025	00:30:00	30	0.0	8.33	3529.5	load test lines			
02/12/2025	00:30:12	30	0.0	8.33	3529.5				
02/12/2025	00:31:12	-14	0.1	8.33	3529.6				
02/12/2025	00:31:42	694	3.5	8.33	3530.2				
02/12/2025	00:32:12	974	0.6	8.33	3532.6				
02/12/2025	00:32:42	1249	5.1	8.34	3532.9				
02/12/2025	00:33:12	702	0.0	8.33	3534.7				
02/12/2025	00:33:42	467	0.0	8.33	3534.7				
02/12/2025	00:34:12	2743	0.1	8.33	3534.7				
02/12/2025	00:34:42	7615	0.0	8.33	3534.7				
02/12/2025	00:35:12	7879	0.0	8.34	3534.7				
02/12/2025	00:35:42	7814	0.0	8.33	3534.7				
02/12/2025	00:36:12	7769	0.0	8.33	3534.8				
02/12/2025	00:36:42	7710	0.0	8.34	3534.8				
02/12/2025	00:37:12	4	0.0	8.34	3534.8				
02/12/2025	00:37:42	391	0.0	8.34	3534.8				
02/12/2025	00:38:12	384	0.0	8.34	3534.8				
02/12/2025	00:38:42	391	0.0	8.34	3534.8				
02/12/2025	00:39:12	395	0.0	8.34	3534.8				

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Well		Field		Job Start		Customer		Job Number		
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
02/12/2025	00:40:12		398	0.0	8.34	3534.9				
02/12/2025	00:40:42		405	0.0	8.34	3534.9				
02/12/2025	00:41:00		405	0.0	8.34	3534.9	135bbl spacer 14.0ppg			
02/12/2025	00:41:12		408	0.0	8.34	3534.9				
02/12/2025	00:41:42		410	0.0	8.34	3534.9				
02/12/2025	00:42:12		1736	6.5	13.91	3536.1				
02/12/2025	00:42:42		2117	8.4	13.99	3540.2				
02/12/2025	00:43:12		1997	8.4	14.17	3544.4				
02/12/2025	00:43:42		1956	8.4	14.05	3548.6				
02/12/2025	00:44:12		2009	8.4	13.97	3552.8				
02/12/2025	00:44:42		2038	8.4	13.98	3557.0				
02/12/2025	00:45:12		2053	8.4	13.81	3561.2				
02/12/2025	00:45:42		2019	8.3	14.02	3565.4				
02/12/2025	00:46:12		2065	8.4	13.86	3569.6				
02/12/2025	00:46:42		2031	8.4	13.81	3573.8				
02/12/2025	00:47:12		2054	8.3	13.90	3577.9				
02/12/2025	00:47:42		2065	8.4	13.98	3582.1				
02/12/2025	00:48:12		2081	8.4	13.91	3586.3				
02/12/2025	00:48:42		2051	8.4	13.90	3590.5				
02/12/2025	00:49:12		2052	8.4	13.79	3594.7				
02/12/2025	00:49:42		2018	8.4	13.71	3598.9				
02/12/2025	00:50:12		1657	6.4	14.09	3602.8				
02/12/2025	00:50:42		1491	6.5	14.17	3606.0				
02/12/2025	00:51:12		1384	6.5	14.18	3609.3				
02/12/2025	00:51:42		1372	6.5	14.28	3612.5				
02/12/2025	00:52:12		1423	6.5	14.23	3615.8				
02/12/2025	00:52:42		1367	6.5	14.25	3619.0				
02/12/2025	00:53:12		1842	8.4	14.23	3623.0				
02/12/2025	00:53:42		1897	8.4	14.20	3627.2				
02/12/2025	00:54:12		1886	8.4	14.19	3631.5				
02/12/2025	00:54:42		1870	8.4	14.19	3635.7				
02/12/2025	00:55:12		1890	8.4	14.20	3639.9				
02/12/2025	00:55:42		1857	8.4	14.14	3644.1				
02/12/2025	00:56:12		1844	8.4	14.12	3648.2				
02/12/2025	00:56:42		1825	8.4	14.08	3652.4				
02/12/2025	00:57:12		1821	8.4	14.03	3656.6				
02/12/2025	00:57:42		1781	8.4	14.00	3660.8				
02/12/2025	00:58:12		1775	8.4	14.07	3665.0				
02/12/2025	00:58:42		1342	6.5	14.05	3668.4				
02/12/2025	00:59:12		1273	6.5	14.03	3671.7				
02/12/2025	00:59:42		449	2.1	14.02	3673.6				
02/12/2025	01:00:12		434	2.1	14.02	3674.6				
02/12/2025	01:00:42		330	1.3	14.02	3675.6				
02/12/2025	01:01:12		319	1.0	14.07	3676.2				
02/12/2025	01:01:42		342	1.0	14.30	3676.7				
02/12/2025	01:02:12		399	1.0	14.16	3677.2				
02/12/2025	01:02:42		384	1.0	14.18	3677.7				
02/12/2025	01:03:00		367	1.0	14.17	3678.0	release bottom plug			
02/12/2025	01:03:12		374	1.0	14.14	3678.2				
02/12/2025	01:03:42		1633	8.4	14.25	3680.8				
02/12/2025	01:04:00		1783	8.4	14.30	3683.4	981bbl tail 4274sks tail cement			
02/12/2025	01:04:12		1796	8.4	14.37	3685.0				
02/12/2025	01:04:42		1897	8.4	14.46	3689.2				
02/12/2025	01:05:12		1947	8.4	14.48	3693.4				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	01:06:12	1988	8.4	14.47	3701.8				
02/12/2025	01:06:42	1961	8.4	14.48	3706.0				
02/12/2025	01:07:12	1954	8.4	14.47	3710.2				
02/12/2025	01:07:42	1960	8.4	14.47	3714.3				
02/12/2025	01:08:12	1915	8.4	14.46	3718.5				
02/12/2025	01:08:42	1899	8.4	14.45	3722.7				
02/12/2025	01:09:12	1889	8.4	14.43	3726.9				
02/12/2025	01:09:42	1915	8.4	14.45	3731.1				
02/12/2025	01:10:12	1922	8.4	14.47	3735.3				
02/12/2025	01:10:42	1894	8.4	14.48	3739.5				
02/12/2025	01:11:12	1925	8.4	14.50	3743.6				
02/12/2025	01:11:42	1871	8.4	14.52	3747.8				
02/12/2025	01:12:12	1923	8.4	14.54	3752.0				
02/12/2025	01:12:42	1865	8.4	14.56	3756.2				
02/12/2025	01:13:12	1949	8.4	14.57	3760.3				
02/12/2025	01:13:42	1877	8.3	14.57	3764.5				
02/12/2025	01:14:12	1857	8.4	14.56	3768.7				
02/12/2025	01:14:42	1930	8.3	14.58	3772.9				
02/12/2025	01:15:12	1856	8.4	14.60	3777.1				
02/12/2025	01:15:42	1864	8.3	14.60	3781.2				
02/12/2025	01:16:12	1804	8.4	14.61	3785.4				
02/12/2025	01:16:42	1810	8.3	14.61	3789.6				
02/12/2025	01:17:12	1843	8.4	14.62	3793.8				
02/12/2025	01:17:42	1834	8.4	14.62	3797.9				
02/12/2025	01:18:12	1806	8.4	14.62	3802.1				
02/12/2025	01:18:42	1806	8.3	14.61	3806.3				
02/12/2025	01:19:12	1800	8.4	14.59	3810.5				
02/12/2025	01:19:42	1827	8.4	14.58	3814.7				
02/12/2025	01:20:12	1763	8.4	14.57	3818.9				
02/12/2025	01:20:42	1756	8.4	14.56	3823.1				
02/12/2025	01:21:12	1778	8.4	14.56	3827.2				
02/12/2025	01:22:12	1759	8.4	14.54	3835.6				
02/12/2025	01:22:42	1738	8.4	14.53	3839.8				
02/12/2025	01:23:12	1746	8.4	14.55	3844.0				
02/12/2025	01:23:42	1743	8.4	14.56	3848.2				
02/12/2025	01:24:12	1742	8.4	14.56	3852.4				
02/12/2025	01:24:42	1730	8.4	14.56	3856.6				
02/12/2025	01:25:12	1732	8.4	14.55	3860.8				
02/12/2025	01:25:42	1744	8.4	14.52	3865.0				
02/12/2025	01:26:12	1752	8.4	14.60	3869.2				
02/12/2025	01:26:42	1738	8.4	14.61	3873.4				
02/12/2025	01:27:12	1734	8.4	14.61	3877.5				
02/12/2025	01:27:42	1722	8.4	14.53	3881.7				
02/12/2025	01:28:12	1702	8.4	14.48	3885.9				
02/12/2025	01:28:42	926	5.2	14.48	3889.1				
02/12/2025	01:29:12	849	5.3	14.33	3891.7				
02/12/2025	01:29:42	837	5.3	14.14	3894.4				
02/12/2025	01:30:12	854	5.3	14.41	3897.0				
02/12/2025	01:30:42	854	5.3	14.52	3899.7				
02/12/2025	01:31:12	1087	6.5	14.52	3902.6				
02/12/2025	01:31:42	1140	6.5	14.55	3905.8				
02/12/2025	01:32:12	1118	6.5	14.53	3909.1				
02/12/2025	01:32:42	1150	6.5	14.53	3912.3				
02/12/2025	01:33:12	1501	8.1	14.53	3915.6				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	01:34:12	1667	8.4	14.52	3924.0				
02/12/2025	01:34:42	1672	8.4	14.51	3928.2				
02/12/2025	01:35:12	1669	8.4	14.50	3932.4				
02/12/2025	01:35:42	1682	8.4	14.48	3936.6				
02/12/2025	01:36:12	1665	8.4	14.46	3940.8				
02/12/2025	01:36:42	1665	8.4	14.45	3945.0				
02/12/2025	01:37:12	1676	8.4	14.44	3949.2				
02/12/2025	01:37:42	1653	8.4	14.43	3953.3				
02/12/2025	01:38:12	1645	8.4	14.42	3957.5				
02/12/2025	01:38:42	1643	8.4	14.41	3961.7				
02/12/2025	01:39:12	1649	8.4	14.41	3965.9				
02/12/2025	01:39:42	1681	8.4	14.41	3970.1				
02/12/2025	01:40:12	1675	8.4	14.41	3974.3				
02/12/2025	01:40:42	1689	8.4	14.46	3978.5				
02/12/2025	01:41:12	1675	8.4	14.47	3982.7				
02/12/2025	01:41:42	1668	8.4	14.47	3986.9				
02/12/2025	01:42:12	1648	8.4	14.46	3991.1				
02/12/2025	01:42:42	1654	8.4	14.46	3995.3				
02/12/2025	01:43:12	1699	8.4	14.46	3999.5				
02/12/2025	01:43:42	1692	8.4	14.46	4003.7				
02/12/2025	01:44:12	1697	8.4	14.45	4007.9				
02/12/2025	01:44:42	1692	8.4	14.38	4012.1				
02/12/2025	01:45:12	1692	8.4	14.46	4016.3				
02/12/2025	01:45:42	1703	8.4	14.49	4020.5				
02/12/2025	01:46:12	1700	8.4	14.49	4024.7				
02/12/2025	01:46:42	1694	8.4	14.49	4028.9				
02/12/2025	01:47:12	1688	8.4	14.46	4033.1				
02/12/2025	01:47:42	1007	7.2	14.40	4037.2				
02/12/2025	01:48:12	888	5.3	14.39	4040.0				
02/12/2025	01:48:42	290	2.1	14.40	4041.9				
02/12/2025	01:49:12	264	2.1	14.60	4043.0				
02/12/2025	01:49:42	249	2.1	14.63	4044.0				
02/12/2025	01:50:12	1503	8.4	14.60	4046.5				
02/12/2025	01:50:42	1677	8.4	14.51	4050.7				
02/12/2025	01:51:12	1691	8.4	14.47	4054.9				
02/12/2025	01:51:42	1679	8.4	14.42	4059.1				
02/12/2025	01:52:12	1692	8.4	14.42	4063.3				
02/12/2025	01:52:42	1657	8.4	14.38	4067.5				
02/12/2025	01:53:12	1681	8.4	14.35	4071.7				
02/12/2025	01:53:42	1699	8.4	14.34	4075.9				
02/12/2025	01:54:12	1729	8.4	14.34	4080.1				
02/12/2025	01:54:42	1732	8.4	14.37	4084.3				
02/12/2025	01:55:12	1732	8.4	14.41	4088.5				
02/12/2025	01:55:42	1545	8.4	14.44	4092.7				
02/12/2025	01:56:12	1572	7.9	14.47	4096.6				
02/12/2025	01:56:42	1558	7.9	14.49	4100.5				
02/12/2025	01:57:12	1627	7.9	14.51	4104.5				
02/12/2025	01:57:42	1609	7.9	14.52	4108.4				
02/12/2025	01:58:12	1623	7.9	14.52	4112.4				
02/12/2025	01:58:42	1635	7.9	14.51	4116.3				
02/12/2025	01:59:12	1571	7.9	14.50	4120.2				
02/12/2025	01:59:42	1594	7.9	14.50	4124.2				
02/12/2025	02:00:12	1600	7.9	14.49	4128.1				
02/12/2025	02:00:42	1626	7.9	14.48	4132.1				

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	02:01:42	1553	7.9	14.46	4139.9				
02/12/2025	02:02:12	1585	7.9	14.45	4143.9				
02/12/2025	02:02:42	1595	7.9	14.44	4147.8				
02/12/2025	02:03:12	1575	7.9	14.47	4151.8				
02/12/2025	02:03:42	1632	7.9	14.48	4155.7				
02/12/2025	02:04:12	1617	7.9	14.48	4159.6				
02/12/2025	02:04:42	1589	7.9	14.46	4163.6				
02/12/2025	02:05:12	1623	7.9	14.44	4167.5				
02/12/2025	02:05:42	1548	7.9	14.42	4171.5				
02/12/2025	02:06:12	914	5.3	14.46	4174.7				
02/12/2025	02:06:42	854	5.3	14.47	4177.3				
02/12/2025	02:07:12	833	5.3	14.47	4180.0				
02/12/2025	02:07:42	848	5.3	14.46	4182.6				
02/12/2025	02:08:12	829	5.3	14.46	4185.2				
02/12/2025	02:08:42	859	5.3	14.46	4187.9				
02/12/2025	02:09:12	877	5.3	14.50	4190.5				
02/12/2025	02:09:42	886	5.3	14.54	4193.1				
02/12/2025	02:10:12	904	5.3	14.57	4195.8				
02/12/2025	02:10:42	902	5.3	14.58	4198.4				
02/12/2025	02:11:12	904	5.3	14.59	4201.0				
02/12/2025	02:11:42	914	5.3	14.59	4203.7				
02/12/2025	02:12:12	872	5.3	14.60	4206.3				
02/12/2025	02:12:42	1584	5.2	14.61	4208.9				
02/12/2025	02:13:12	2079	5.2	14.60	4211.5				
02/12/2025	02:13:42	1674	5.8	14.58	4214.2				
02/12/2025	02:14:12	1992	7.9	14.56	4218.0				
02/12/2025	02:14:42	1925	7.9	14.53	4221.9				
02/12/2025	02:15:12	1889	7.9	14.50	4225.9				
02/12/2025	02:15:42	2063	8.4	14.48	4230.0				
02/12/2025	02:16:12	2059	8.4	14.47	4234.2				
02/12/2025	02:16:42	2018	8.4	14.45	4238.3				
02/12/2025	02:17:12	1988	8.4	14.41	4242.5				
02/12/2025	02:17:42	1956	8.4	14.41	4246.7				
02/12/2025	02:18:12	1949	8.4	14.41	4250.9				
02/12/2025	02:18:42	1932	8.3	14.55	4255.1				
02/12/2025	02:19:42	978	5.3	14.80	4261.4				
02/12/2025	02:20:12	1188	6.5	14.79	4264.3				
02/12/2025	02:20:42	1252	6.5	14.73	4267.5				
02/12/2025	02:21:12	1688	8.4	14.62	4271.0				
02/12/2025	02:21:42	1778	8.4	14.54	4275.2				
02/12/2025	02:22:12	1785	8.4	14.44	4279.4				
02/12/2025	02:22:42	1818	8.4	14.44	4283.6				
02/12/2025	02:23:12	1869	8.4	14.42	4287.8				
02/12/2025	02:23:42	1878	8.4	14.43	4292.0				
02/12/2025	02:24:12	1884	8.4	14.47	4296.2				
02/12/2025	02:24:42	1893	8.4	14.49	4300.3				
02/12/2025	02:25:12	1895	8.4	14.51	4304.5				
02/12/2025	02:25:42	1880	8.4	14.53	4308.7				
02/12/2025	02:26:12	1890	8.4	14.52	4312.9				
02/12/2025	02:26:42	1916	8.4	14.51	4317.1				
02/12/2025	02:27:12	1917	8.4	14.50	4321.3				
02/12/2025	02:27:42	1926	8.4	14.49	4325.5				
02/12/2025	02:28:12	1932	8.4	14.48	4329.7				
02/12/2025	02:28:42	1914	8.4	14.47	4333.9				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	02:29:42	1921	8.4	14.48	4342.3				
02/12/2025	02:30:12	1917	8.4	14.45	4346.5				
02/12/2025	02:30:42	1919	8.4	14.46	4350.6				
02/12/2025	02:31:12	1928	8.4	14.45	4354.8				
02/12/2025	02:31:42	1440	8.1	14.41	4359.0				
02/12/2025	02:32:12	1788	7.9	14.41	4363.0				
02/12/2025	02:32:42	1730	7.9	14.39	4366.9				
02/12/2025	02:33:12	1764	7.9	14.37	4370.8				
02/12/2025	02:33:42	1772	7.9	14.40	4374.8				
02/12/2025	02:34:12	1353	6.7	14.39	4378.5				
02/12/2025	02:34:42	1280	6.6	14.37	4381.8				
02/12/2025	02:35:12	1248	6.7	14.36	4385.1				
02/12/2025	02:35:42	1223	6.6	14.37	4388.4				
02/12/2025	02:36:12	1244	6.7	14.36	4391.8				
02/12/2025	02:36:42	1247	6.6	14.41	4395.1				
02/12/2025	02:37:12	1265	6.6	14.40	4398.4				
02/12/2025	02:37:42	1207	6.5	14.39	4401.7				
02/12/2025	02:38:12	1195	6.5	14.44	4405.0				
02/12/2025	02:38:42	1184	6.5	14.46	4408.2				
02/12/2025	02:39:12	1148	6.5	14.44	4411.5				
02/12/2025	02:39:42	1231	6.5	14.45	4414.7				
02/12/2025	02:40:12	1210	6.5	14.47	4418.0				
02/12/2025	02:40:42	1202	6.5	14.46	4421.2				
02/12/2025	02:41:12	1194	6.5	14.40	4424.5				
02/12/2025	02:41:42	491	3.4	14.40	4427.1				
02/12/2025	02:42:12	473	3.4	14.40	4428.8				
02/12/2025	02:42:42	526	3.4	14.39	4430.5				
02/12/2025	02:43:12	481	3.4	14.39	4432.1				
02/12/2025	02:43:42	504	3.4	14.19	4433.8				
02/12/2025	02:44:12	746	4.6	14.44	4435.9				
02/12/2025	02:44:42	706	4.6	14.49	4438.2				
02/12/2025	02:45:12	228	2.1	14.56	4439.8				
02/12/2025	02:45:42	448	2.2	14.50	4440.9				
02/12/2025	02:46:12	473	3.3	14.55	4442.5				
02/12/2025	02:46:42	456	3.3	14.56	4444.2				
02/12/2025	02:47:12	811	4.6	14.62	4446.3				
02/12/2025	02:47:42	1155	6.5	14.64	4448.9				
02/12/2025	02:48:12	1206	6.5	14.64	4452.2				
02/12/2025	02:48:42	1637	7.9	14.63	4455.9				
02/12/2025	02:49:12	1633	7.9	14.64	4459.9				
02/12/2025	02:49:42	1701	7.9	14.71	4463.8				
02/12/2025	02:50:12	1268	6.5	14.72	4467.4				
02/12/2025	02:50:42	1202	6.5	14.64	4470.6				
02/12/2025	02:51:12	1207	6.5	14.52	4473.9				
02/12/2025	02:51:42	1152	6.5	14.47	4477.1				
02/12/2025	02:52:12	1152	6.5	14.45	4480.4				
02/12/2025	02:52:42	1216	6.5	14.46	4483.6				
02/12/2025	02:53:12	1177	6.5	14.49	4486.9				
02/12/2025	02:53:42	1215	6.5	14.48	4490.1				
02/12/2025	02:54:12	1215	6.5	14.46	4493.4				
02/12/2025	02:54:42	1533	7.9	14.44	4496.9				
02/12/2025	02:55:12	1649	7.9	14.44	4500.9				
02/12/2025	02:55:42	1637	7.9	14.44	4504.8				
02/12/2025	02:56:12	1641	7.9	14.44	4508.8				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	02:57:12	1712	7.9	14.43	4516.6				
02/12/2025	02:57:42	1737	7.9	14.41	4520.6				
02/12/2025	02:58:12	1700	7.9	14.39	4524.5				
02/12/2025	02:58:42	1680	7.9	14.38	4528.5				
02/12/2025	02:59:12	1762	7.9	14.37	4532.4				
02/12/2025	02:59:42	1737	7.9	14.36	4536.4				
02/12/2025	03:00:12	1759	7.9	14.35	4540.3				
02/12/2025	03:00:42	1759	7.9	14.34	4544.2				
02/12/2025	03:01:12	1731	7.9	14.33	4548.2				
02/12/2025	03:01:42	1692	7.9	14.32	4552.1				
02/12/2025	03:02:12	1790	7.9	14.43	4556.1				
02/12/2025	03:02:42	1774	7.9	14.44	4560.0				
02/12/2025	03:03:12	1761	7.9	14.41	4564.0				
02/12/2025	03:03:42	1794	7.9	14.44	4567.9				
02/12/2025	03:04:12	1708	7.9	14.43	4571.8				
02/12/2025	03:04:42	1766	7.9	14.41	4575.8				
02/12/2025	03:05:12	555	2.7	14.36	4579.1				
02/12/2025	03:05:42	518	2.8	14.39	4580.2				
02/12/2025	03:06:12	544	3.4	14.52	4581.9				
02/12/2025	03:06:42	908	5.3	14.48	4584.2				
02/12/2025	03:07:12	892	5.3	14.53	4586.9				
02/12/2025	03:07:42	883	5.3	14.51	4589.5				
02/12/2025	03:08:12	871	5.3	14.51	4592.1				
02/12/2025	03:08:42	880	5.3	14.45	4594.8				
02/12/2025	03:09:12	887	5.3	14.42	4597.4				
02/12/2025	03:09:42	916	5.3	14.47	4600.0				
02/12/2025	03:10:12	910	5.3	14.40	4602.7				
02/12/2025	03:10:42	905	5.3	14.47	4605.3				
02/12/2025	03:11:12	892	5.3	14.43	4607.9				
02/12/2025	03:11:42	883	5.3	14.40	4610.6				
02/12/2025	03:12:12	878	5.3	14.47	4613.2				
02/12/2025	03:12:42	1144	6.5	14.46	4616.4				
02/12/2025	03:13:12	1230	6.5	14.39	4619.6				
02/12/2025	03:13:42	1204	6.5	14.41	4622.9				
02/12/2025	03:14:12	1213	6.5	14.37	4626.1				
02/12/2025	03:14:42	1236	6.5	14.38	4629.4				
02/12/2025	03:15:12	1160	6.5	14.37	4632.6				
02/12/2025	03:15:42	1212	6.5	14.36	4635.9				
02/12/2025	03:16:12	970	5.3	14.41	4639.0				
02/12/2025	03:17:12	877	5.3	14.41	4644.3				
02/12/2025	03:17:42	853	5.3	14.23	4646.9				
02/12/2025	03:18:12	852	5.3	14.43	4649.6				
02/12/2025	03:18:42	844	5.3	14.41	4652.2				
02/12/2025	03:19:12	845	5.3	14.39	4654.9				
02/12/2025	03:19:42	861	5.3	14.34	4657.6				
02/12/2025	03:20:12	857	5.4	14.39	4660.2				
02/12/2025	03:20:42	857	5.3	14.37	4662.9				
02/12/2025	03:21:12	854	5.3	14.41	4665.6				
02/12/2025	03:21:42	843	5.3	14.36	4668.2				
02/12/2025	03:22:12	838	5.4	14.21	4670.9				
02/12/2025	03:22:42	832	5.3	14.49	4673.6				
02/12/2025	03:23:12	832	5.4	14.34	4676.2				
02/12/2025	03:23:42	835	5.3	14.43	4678.9				
02/12/2025	03:24:12	844	5.4	14.35	4681.6				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	03:25:12	819	5.4	14.30	4687.0				
02/12/2025	03:25:42	421	3.4	14.38	4688.9				
02/12/2025	03:26:12	424	3.4	14.25	4690.5				
02/12/2025	03:26:42	445	3.4	14.51	4692.2				
02/12/2025	03:27:12	856	5.2	14.52	4694.1				
02/12/2025	03:27:42	868	5.3	14.57	4696.7				
02/12/2025	03:28:12	830	5.3	14.55	4699.4				
02/12/2025	03:28:42	-13	0.0	14.71	4700.0				
02/12/2025	03:29:12	-15	0.0	14.60	4700.0				
02/12/2025	03:29:42	-14	0.0	14.56	4700.0				
02/12/2025	03:30:12	-12	0.0	14.39	4700.0				
02/12/2025	03:30:42	-14	0.0	14.38	4700.0				
02/12/2025	03:31:12	-13	0.0	14.39	4700.0				
02/12/2025	03:31:42	-12	0.0	14.39	4700.0				
02/12/2025	03:32:12	-12	0.0	14.41	4700.1				
02/12/2025	03:32:42	-11	0.0	14.41	4700.1				
02/12/2025	03:33:12	-11	0.0	14.42	4700.1				
02/12/2025	03:33:42	-9	0.0	14.42	4700.1				
02/12/2025	03:34:12	-9	0.0	14.42	4700.1				
02/12/2025	03:34:42	-10	0.0	14.42	4700.1				
02/12/2025	03:35:12	-9	0.0	14.40	4700.1				
02/12/2025	03:35:42	-9	0.0	14.19	4700.1				
02/12/2025	03:36:00	-9	0.0	13.49	4700.1	wash lines			
02/12/2025	03:36:12	-9	0.0	12.71	4700.1				
02/12/2025	03:36:42	48	0.8	10.37	4700.1				
02/12/2025	03:37:12	21	1.0	9.48	4700.6				
02/12/2025	03:37:42	201	4.7	8.98	4702.2				
02/12/2025	03:38:12	160	4.7	8.90	4704.6				
02/12/2025	03:38:42	143	4.8	8.71	4707.0				
02/12/2025	03:39:12	124	4.7	8.45	4709.3				
02/12/2025	03:39:42	128	4.8	8.75	4711.7				
02/12/2025	03:40:12	94	6.8	5.43	4714.1				
02/12/2025	03:40:42	144	4.7	8.21	4716.6				
02/12/2025	03:41:12	101	4.8	8.53	4718.8				
02/12/2025	03:41:42	135	4.7	8.34	4721.4				
02/12/2025	03:42:12	151	4.7	9.86	4723.8				
02/12/2025	03:42:42	131	4.6	9.80	4726.1				
02/12/2025	03:43:12	109	4.5	8.37	4728.4				
02/12/2025	03:43:42	128	4.7	8.49	4730.7				
02/12/2025	03:44:12	106	4.6	8.07	4733.1				
02/12/2025	03:44:42	123	4.8	8.32	4735.5				
02/12/2025	03:45:12	125	4.8	8.32	4737.8				
02/12/2025	03:45:42	80	4.7	7.51	4740.3				
02/12/2025	03:46:12	84	0.0	6.38	4741.7				
02/12/2025	03:46:42	115	0.1	8.33	4741.7				
02/12/2025	03:47:12	104	0.3	8.33	4741.8				
02/12/2025	03:47:42	-13	0.0	8.33	4742.5				
02/12/2025	03:48:12	-19	0.0	8.33	4742.5				
02/12/2025	03:48:42	-20	0.0	8.33	4742.6				
02/12/2025	03:49:12	-22	0.0	8.33	4742.6				
02/12/2025	03:49:42	-22	0.0	8.33	4742.6				
02/12/2025	03:50:00	-21	0.0	8.33	4742.6	release top plug			
02/12/2025	03:50:12	-22	0.0	8.33	4742.6				
02/12/2025	03:50:42	132	1.5	8.33	4743.3				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	03:51:12	144	1.5	8.33	4744.1				
02/12/2025	03:51:42	128	1.5	8.33	4744.8				
02/12/2025	03:52:12	138	1.5	8.34	4745.6				
02/12/2025	03:52:42	1354	5.2	8.34	4747.7				
02/12/2025	03:53:12	1637	7.6	8.34	4751.0				
02/12/2025	03:53:42	1420	6.9	8.34	4754.7				
02/12/2025	03:54:12	1921	9.1	8.34	4758.8				
02/12/2025	03:54:42	1959	9.1	8.34	4763.3				
02/12/2025	03:55:12	2085	8.9	8.34	4767.8				
02/12/2025	03:55:42	2021	8.9	8.34	4772.3				
02/12/2025	03:56:12	2087	8.9	8.34	4776.7				
02/12/2025	03:56:42	2234	8.9	8.34	4781.2				
02/12/2025	03:57:12	2207	8.9	8.35	4785.6				
02/12/2025	03:57:42	2270	8.9	8.34	4790.0				
02/12/2025	03:58:12	2347	8.9	8.33	4794.5				
02/12/2025	03:58:42	835	1.5	8.34	4795.8				
02/12/2025	03:59:12	1065	2.9	8.34	4796.7				
02/12/2025	03:59:42	1743	6.7	8.34	4799.1				
02/12/2025	04:00:12	1838	7.4	8.34	4802.7				
02/12/2025	04:00:42	2243	8.8	8.34	4806.6				
02/12/2025	04:01:12	2483	8.9	8.33	4811.0				
02/12/2025	04:01:42	2524	8.9	8.33	4815.5				
02/12/2025	04:02:12	2565	8.9	8.33	4820.0				
02/12/2025	04:02:42	2665	8.9	8.33	4824.4				
02/12/2025	04:03:12	2747	8.9	8.34	4828.9				
02/12/2025	04:03:42	2671	8.9	8.33	4833.3				
02/12/2025	04:04:12	2844	8.9	8.33	4837.7				
02/12/2025	04:04:42	2791	8.9	8.34	4842.2				
02/12/2025	04:05:12	2897	8.9	8.33	4846.6				
02/12/2025	04:05:42	2989	8.9	8.34	4851.1				
02/12/2025	04:06:12	2906	8.9	8.33	4855.5				
02/12/2025	04:06:42	3139	8.9	8.33	4859.9				
02/12/2025	04:07:12	3142	8.9	8.34	4864.4				
02/12/2025	04:08:12	3239	8.9	8.33	4873.2				
02/12/2025	04:08:42	3266	8.9	8.33	4877.7				
02/12/2025	04:09:12	3231	8.9	8.34	4882.1				
02/12/2025	04:09:42	3332	8.9	8.34	4886.5				
02/12/2025	04:10:12	3488	8.9	8.34	4891.0				
02/12/2025	04:10:42	3512	8.9	8.33	4895.4				
02/12/2025	04:11:12	3480	8.9	8.33	4899.9				
02/12/2025	04:11:42	3578	8.9	8.33	4904.3				
02/12/2025	04:12:12	3598	8.9	8.34	4908.8				
02/12/2025	04:12:42	3484	8.9	8.35	4913.2				
02/12/2025	04:13:12	3546	8.9	8.33	4917.6				
02/12/2025	04:13:42	3589	8.9	8.33	4922.1				
02/12/2025	04:14:42	3622	8.9	8.34	4931.0				
02/12/2025	04:15:12	3538	8.9	8.34	4935.4				
02/12/2025	04:15:42	3518	8.9	8.33	4939.8				
02/12/2025	04:16:12	3576	8.9	8.33	4944.3				
02/12/2025	04:16:42	3620	8.9	8.33	4948.8				
02/12/2025	04:17:12	3598	8.9	8.34	4953.2				
02/12/2025	04:17:42	3596	8.9	8.33	4957.7				
02/12/2025	04:18:12	3498	8.9	8.33	4962.1				
02/12/2025	04:18:42	3548	8.9	8.33	4966.6				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	04:19:42	3593	8.9	8.33	4975.5				
02/12/2025	04:20:12	3540	8.9	8.33	4980.0				
02/12/2025	04:20:42	3603	8.9	8.33	4984.4				
02/12/2025	04:21:12	3604	9.0	8.33	4988.9				
02/12/2025	04:21:42	3534	8.9	8.33	4993.3				
02/12/2025	04:22:12	3619	8.9	8.33	4997.8				
02/12/2025	04:22:42	3616	8.9	8.33	5002.3				
02/12/2025	04:23:12	3528	8.9	8.33	5006.7				
02/12/2025	04:23:42	3664	9.0	8.33	5011.2				
02/12/2025	04:24:12	3653	8.9	8.33	5015.7				
02/12/2025	04:24:42	3607	8.9	8.33	5020.1				
02/12/2025	04:25:12	3606	8.9	8.33	5024.6				
02/12/2025	04:25:42	3652	8.9	8.33	5029.0				
02/12/2025	04:26:12	3676	9.0	8.33	5033.5				
02/12/2025	04:26:42	3555	8.9	8.33	5038.0				
02/12/2025	04:27:12	3617	8.9	8.33	5042.4				
02/12/2025	04:27:42	3691	8.9	8.33	5046.9				
02/12/2025	04:28:12	3667	8.9	8.33	5051.4				
02/12/2025	04:28:42	3685	9.0	8.33	5055.9				
02/12/2025	04:29:12	3565	8.9	8.33	5060.3				
02/12/2025	04:29:42	3680	8.9	8.33	5064.8				
02/12/2025	04:30:12	3694	8.9	8.33	5069.2				
02/12/2025	04:30:42	3584	8.9	8.33	5073.7				
02/12/2025	04:31:12	3725	8.9	8.33	5078.1				
02/12/2025	04:31:42	3715	8.9	8.33	5082.6				
02/12/2025	04:32:12	3646	8.9	8.33	5087.0				
02/12/2025	04:32:42	3782	9.2	8.33	5091.7				
02/12/2025	04:33:12	3796	9.3	8.33	5096.3				
02/12/2025	04:33:42	3772	9.4	8.33	5100.9				
02/12/2025	04:34:12	3690	8.9	8.33	5105.5				
02/12/2025	04:34:42	3679	8.9	8.33	5109.9				
02/12/2025	04:35:12	3712	8.9	8.33	5114.4				
02/12/2025	04:35:42	3618	9.0	8.33	5118.8				
02/12/2025	04:36:12	3630	8.9	8.33	5123.3				
02/12/2025	04:36:42	3701	8.9	8.33	5127.7				
02/12/2025	04:37:12	3749	8.9	8.33	5132.2				
02/12/2025	04:37:42	3670	8.9	8.33	5136.6				
02/12/2025	04:38:12	3690	8.9	8.33	5141.0				
02/12/2025	04:38:42	3722	8.9	8.33	5145.5				
02/12/2025	04:39:12	3666	8.9	8.33	5149.9				
02/12/2025	04:39:42	3693	8.9	8.33	5154.4				
02/12/2025	04:40:12	3707	8.9	8.33	5158.8				
02/12/2025	04:40:42	3698	8.9	8.33	5163.2				
02/12/2025	04:41:12	3684	8.9	8.33	5167.7				
02/12/2025	04:41:42	3699	8.9	8.33	5172.1				
02/12/2025	04:42:12	3703	8.9	8.33	5176.6				
02/12/2025	04:42:42	3673	8.9	8.33	5181.0				
02/12/2025	04:43:12	3741	8.9	8.33	5185.5				
02/12/2025	04:43:42	3741	8.9	8.34	5189.9				
02/12/2025	04:44:12	3633	8.9	8.34	5194.4				
02/12/2025	04:44:42	3657	8.9	8.34	5198.8				
02/12/2025	04:45:12	3708	8.9	8.34	5203.2				
02/12/2025	04:45:42	3676	8.9	8.34	5207.7				
02/12/2025	04:46:12	3687	8.9	8.34	5212.1				

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Well		Field		Job Start		Customer		Job Number	
Michael Southworth 210H 210H		Panhandle		Feb/12/2025		Expand Energy		1059713.12.30	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/12/2025	04:47:00	3692	8.9	8.34	5219.2	land plug @ 3250psi			
02/12/2025	04:47:12	3680	8.9	8.34	5221.0				
02/12/2025	04:47:42	3691	8.9	8.34	5225.4				
02/12/2025	04:48:00	3729	8.9	8.34	5228.1	wash rig lines @ 5:30			
02/12/2025	04:48:12	3707	8.9	8.34	5229.9				
02/12/2025	04:48:42	3712	8.9	8.34	5234.3				
02/12/2025	04:49:12	3698	8.9	8.34	5238.7				
02/12/2025	04:49:42	3655	8.9	8.34	5243.2				
02/12/2025	04:50:12	3696	8.9	8.34	5247.6				
02/12/2025	04:50:42	3695	8.9	8.34	5252.1				
02/12/2025	04:51:12	3150	5.7	8.34	5256.4				
02/12/2025	04:51:42	2651	3.3	8.34	5258.1				
02/12/2025	04:52:12	2640	3.3	8.34	5259.8				
02/12/2025	04:52:42	2628	3.3	8.34	5261.4				
02/12/2025	04:53:12	2657	3.3	8.34	5263.1				
02/12/2025	04:53:42	2646	3.3	8.34	5264.8				
02/12/2025	04:54:12	2645	3.3	8.34	5266.4				
02/12/2025	04:54:42	2649	3.3	8.34	5268.1				
02/12/2025	04:55:12	2609	3.3	8.34	5269.7				
02/12/2025	04:55:42	2627	3.3	8.34	5271.4				
02/12/2025	04:56:00	2627	3.3	8.34	5272.4	40bbl cement to surface			
02/12/2025	04:56:12	2622	3.3	8.34	5273.0				
02/12/2025	04:56:42	2609	3.3	8.34	5274.7				
02/12/2025	04:57:12	2977	3.3	8.34	5276.3				
02/12/2025	04:57:42	3077	0.0	8.34	5276.7				
02/12/2025	04:58:12	3185	0.0	8.34	5276.7				
02/12/2025	04:58:42	3246	0.1	8.34	5276.8				
02/12/2025	04:59:12	3237	0.0	8.34	5276.9				
02/12/2025	04:59:42	3218	0.0	8.34	5276.9				
02/12/2025	05:00:00	3237	0.0	8.34	5276.9	end job @ 07:00			
02/12/2025	05:00:12	3201	0.0	8.34	5276.9				
02/12/2025	05:00:42	3187	0.0	8.34	5276.9				
02/12/2025	05:01:12	3192	0.0	8.34	5276.9				
02/12/2025	05:01:42	3192	0.0	8.34	5276.9				
02/12/2025	05:02:12	3194	0.0	8.34	5276.9				
02/12/2025	05:02:42	3202	0.0	8.34	5276.9				
02/12/2025	05:03:12	3210	0.0	8.34	5276.9				
02/12/2025	05:03:42	3221	0.0	8.34	5277.0				
02/12/2025	05:04:12	3225	0.0	8.34	5277.0				
02/12/2025	05:04:42	993	0.0	8.34	5277.0				
02/12/2025	05:05:12	-9	0.0	8.34	5277.0				
02/12/2025	05:05:42	-30	0.0	8.34	5277.0				
02/12/2025	05:06:12	-26	0.0	8.34	5277.0				
02/12/2025	05:06:42	-31	0.0	8.34	5277.0				
02/12/2025	05:07:12	-31	0.0	8.34	5277.0				

<b>Well</b> Michael Southworth 210H 210H	<b>Field</b> Panhandle	<b>Job Start</b> Feb/12/2025	<b>Customer</b> Expand Energy	<b>Job Number</b> 1059713.12.30
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### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
<b>Slurry</b> 11.9	<b>N2</b>	<b>Mud</b>	<b>Maximum Rate</b> 25.0	<b>Total Slurry</b> 981.0	<b>Mud</b> 0.0	<b>Spacer</b> 135.0	<b>N2</b>	
Treating Pressure Summary, psi					Breakdown Fluid			
<b>Maximum</b> 7968	<b>Final</b> -34	<b>Average</b> 1281	<b>Bump Plug to</b> 3200	<b>Breakdown</b>	<b>Type</b>	<b>Volume</b> bbl	<b>Density</b> lb/gal	
<b>Avg. N2 Percent</b> %	<b>Designed Slurry Volume</b> 981.0 bbl	<b>Displacement</b> 519.0 bbl	<b>Mix Water Temp</b> 70 degF	<b>Cement Circulated to Surface?</b> <input checked="" type="checkbox"/>	<b>Volume</b> 40.0 bbl			
				<b>Washed Thru Perfs</b> <input type="checkbox"/>	<b>To</b> ft			
<b>Customer or Authorized Representative</b>			Schlumberger Supervisor Danny Cover		<b>Circulation Lost</b> <input type="checkbox"/>	<b>Job Completed</b> <input checked="" type="checkbox"/>		
					-	-		

Refresh Wellbore Name: MICHAEL SOUTHWORTH MSH ZLOH - Original Hole Operator: EXPAND OPERATING LLC Division: SOUTHWEST APPALACHIA Frac Company: AFE Latitude: 40.012679 Longitude: 80.615004

Frac String: 5.5in 20# P-110 HP Production Casing Set at 23,453 ft CLAT: 16.107 ft Stages/Dwy: 2,74

Table with columns for Stage (1-19) and rows for various wellbore metrics including Pump Down Stop Time, Pump Up Stop Time, Total Stage Time, WHP, and Frac Volumes.

Summary table with rows for Frac, Pumpdown, HCl 15%, HCl 7.5%, and Difference, and columns for various wellbore parameters like Average Density, Average of pH, Average of Conductivity, etc.

Refresh Wellbore Name Operator Division Pad

Stage: 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

Date: 8/1/2025 8/5/2025 8/5/2025 8/5/2025 8/5/2025 8/5/2025 8/6/2025 8/6/2025 8/6/2025 8/7/2025 8/7/2025 8/7/2025 8/8/2025 8/8/2025 8/9/2025 8/9/2025 8/9/2025 8/10/2025 8/10/2025 8/11/2025 8/11/2025

Top Perf (ft): 19,263 19,033 19,033 18,842 18,631 18,421 18,210 17,999 17,789 17,578 17,367 17,157 16,946 16,735 16,525 16,314 16,103 15,893 15,682 15,471 15,261

8ms Perf (ft): 19,441 19,330 19,020 18,809 18,598 18,388 18,177 17,966 17,756 17,545 17,334 17,124 16,913 16,702 16,492 16,281 16,070 15,859 15,649 15,438 15,228

Number of Perf Holes: 36

Perf Hole ID (in): 0.41

YTD (ft): 6,543 6,542 6,541 6,539 6,536 6,534 6,532 6,531 6,529 6,527 6,525 6,523 6,521 6,519 6,517 6,515 6,513 6,511 6,509 6,507 6,505

Capacity to Top Perf (bbl): 428 423 418 414 409 404 400 395 390 385 381 376 371 367 362 357 353 348 343 338 333 328

Capacity to Bottom Perf (bbl): 432 427 422 417 413 408 403 399 394 389 385 380 375 371 366 361 357 352 347 342 337 332

Survey (Production): Mid-Well (ft): 19,952 19,143 18,931 18,720 18,510 18,299 18,088 17,878 17,667 17,456 17,245 17,034 16,824 16,613 16,402 16,191 15,980 15,769 15,558 15,347 15,136

Pump Down Start Time: 8/02/25 1:08 8/02/25 1:10 8/02/25 1:12 8/02/25 1:14 8/02/25 1:16 8/02/25 1:18 8/02/25 1:20 8/02/25 1:22 8/02/25 1:24 8/02/25 1:26 8/02/25 1:28 8/02/25 1:30

Pump Down Stop Time: 7:45 7:56 7:58 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59 7:59

Pumpdown Total Time: 0:38 0:50 0:48 0:48 0:43 0:43 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45 0:45

Stage Start Time: 8/02/25 1:31 8/02/25 1:30 8/02/25 1:29 8/02/25 1:28 8/02/25 1:27 8/02/25 1:26 8/02/25 1:25 8/02/25 1:24 8/02/25 1:23 8/02/25 1:22 8/02/25 1:21 8/02/25 1:20

Stage Stop Time: 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38 8/25 9:38

Total Stage Time (hrs): 2:57 2:58 2:58 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57 2:57

15% HCl Acid (bbl): 6

Number of Perf Churns: 35

Perf Spacing (ft): 80

Pumpdown (bbl): 7,655 7,643 7,548 7,547 7,474 7,546 7,657 7,461 7,716 7,537 7,409 7,110 7,566 7,452 7,295 7,440 7,135 7,222 7,456 7,529 7,456

Frac Water (bbl): 7,445 7,736 7,646 7,640 7,559 7,642 7,743 7,544 7,799 7,628 7,487 7,386 7,492 7,639 7,523 7,375 7,512 7,475 7,293 7,529 7,529

Shurry Volume (bbl): 8,160 8,150 8,052 8,048 7,954 8,048 8,162 7,951 8,226 8,036 7,894 7,785 7,897 8,050 7,932 7,774 7,925 7,809 8,094 8,094 8,094

100 Mesh (lbs): 156,110 153,630 152,980 156,400 154,960 151,350 154,160 155,940 155,820 155,680 157,408 154,370 153,930 155,600 155,600 157,980 154,850 157,050 158,510 158,510 158,510

20/40, 30/70, & 40/70 (lbs): 225,490 222,710 220,290 221,040 219,020 216,360 221,990 217,330 217,330 222,560 221,330 225,870 221,730 220,660 224,380 219,720 224,220 222,460 216,980 221,960 221,960

Total Prop from Skin Int Prop Table (lbs): 381,600 376,340 373,270 377,440 373,980 367,710 376,090 373,270 373,380 380,240 375,660 376,260 380,070 379,700 379,700 377,700 379,070 379,510 372,960 380,380 380,380

Total Prop from Skin Stage Table (lbs): 381,600 376,340 373,270 377,440 373,980 367,710 376,090 373,270 373,380 380,240 375,660 376,260 380,070 379,700 379,700 377,700 379,070 379,510 372,960 380,380 380,380

Avg Rate (bbl/min): 9.173 9.114 8.359 8.979 8.854 8.892 9.109 8.927 8.630 8.900 8.928 8.860 8.792 8.698 8.915 8.906 8.915 8.915 8.915 8.915 8.915

Avg Pressure (psi): 9,173 9,114 8,359 8,979 8,854 8,892 9,109 8,927 8,630 8,900 8,928 8,860 8,792 8,698 8,915 8,906 8,915 8,915 8,915 8,915 8,915

Max Rate (bbl/min): 9,173 9,114 8,359 8,979 8,854 8,892 9,109 8,927 8,630 8,900 8,928 8,860 8,792 8,698 8,915 8,906 8,915 8,915 8,915 8,915 8,915

Min Pressure (psi): 9,173 9,114 8,359 8,979 8,854 8,892 9,109 8,927 8,630 8,900 8,928 8,860 8,792 8,698 8,915 8,906 8,915 8,915 8,915 8,915 8,915

Break Pressure (psi): 6,107 6,384 6,366 6,210 6,051 6,457 6,791 6,349 5,459 6,726 6,394 6,346 6,355 6,474 6,355 6,374 6,374 6,374 6,374 6,374 6,374

RFIP (psi): 4,278 5,140 5,011 4,730 4,842 4,878 4,877 5,231 3,302 5,203 4,794 5,265 4,923 5,120 5,090 4,921 4,473 5,122 5,122 5,122 5,122

FC (psi/ft): 1.18 1.22 1.20 1.16 1.18 1.18 1.18 1.24 0.94 1.23 1.16 1.24 1.19 1.22 1.21 1.19 1.22 1.22 1.22 1.22 1.22

Blowdown (ft): 43

Corrosion Inhibitor (lbs): 3

Friction Reducer (gal): 6,671 6,608 6,706 6,337 7,247 7,066 6,443 6,551 7,083 4,696 5,208 6,255 7,874 6,393 5,794 5,494 5,494 5,494 5,494 5,494 5,494

HCl 15% (gal): 1,400

Scale Inhibitor (gal): 29

Breaker: 29

Average Density (SG): 1.000

Average of pH: 7.5

Average of Conductivity: 500

Average of Calcium: 100

Average of Magnesium: 100

Average of Chlorides: 100

Average of Total Solids: 100

Fluid Density (lb/gal): 8.3

Frac Pumpdown HCl 15% HCl 7.5% Difference Frac PD HCl

03/20/2026

Table with columns: Wellbore Name, Operator, Division, Pad, Stage, Date, and various operational parameters like Pump Down Start Time, Pump Down Stop Time, etc. The table contains multiple rows of data for different stages and dates.

03/20/2026





Well Name:

Michael Southworth MSH 210H

47051015620000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)
Base of Fresh Water	0	0	632	632
Top of Salt Water	1403	1403	NA	NA
Pittsburgh Coal	734	734	740	740
Pottsville (ss)	839	839	866	866
Raven Cliff (ss)	1204	1204	1381	1380
Maxton (ss)	1467	1465	1778	1774
Big Injun (ss)	1873	1868	1983	1976
Berea (siltstone)	2276	2262	2307	2292
Rhinestreet (shale)	6212	5693	6603	6052
Cashaqua (shale)	6603	6052	6693	6128
Middlesex (shale)	6693	6128	6796	6206
Burket (shale)	6796	6206	6829	6229
Tully (ls)	6829	6229	6881	6264
Mahantango (shale)	6881	6264	7116	6376
Marcellus (shale)	7116	6376	NA	NA