

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

API 47-051-02514 County Marshall District Sandhill  
Quad Valley Grove Pad Name Michael Southworth Field/Pool Name \_\_\_\_\_  
Farm name Michael Southworth MSH Well Number 6H  
Operator (as registered with the OOG) SWN Production Company 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 4,429,231.790 Easting 532,869.927  
Landing Point of Curve Northing 4,429,156.676 Easting 532,667.610  
Bottom Hole Northing 4,425,241.792 Easting 534,500.199

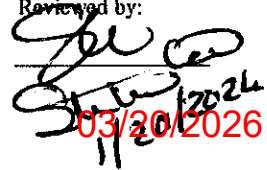
Elevation (ft) 1,271 GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary 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 2024-07-24 Date drilling commenced 2025-02-27 Date drilling ceased 2025-03-09  
Date completion activities began 2025-07-26 Date completion activities ceased 2025-08-23  
Verbal plugging (Y/N) N Date permission granted N/A Granted by DEC 04 2025 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 1,403' 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:  
  
03/20/2026

API 47-051 - 02514 Farm name Michael Southworth MSH Well number 6H

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	20.000	20.000	136		J-55		Y
Surface	17.500	13.375	830		J-55		Y
Coal							
Intermediate 1	12.250	9.625	2,051		J-55		Y
Intermediate 2							
Intermediate 3							
Production	8.500	5.500	21,040		P-110HP		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	824	15.6	1.19	0	Surface	8
Coal							
Intermediate 1	Class A	753	15.6	1.18	0	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	3,797	14.5	1.26	0	Surface	24
Tubing							

Drillers TD (ft) 21,040 Loggers TD (ft) 21,037  
 Deepest formation penetrated Marcellus Plug back to (ft) 0  
 Plug back procedure N/A

Kick off depth (ft) \_\_\_\_\_

DEC 04 2025  
 [Handwritten notes and stamps]

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 TD

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 \_\_\_\_\_

API 47- 051 - 02514 Farm name Michael Southworth MSH Well number 6H

PERFORATION RECORD

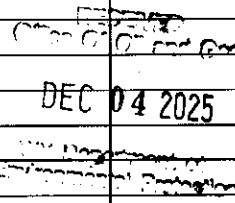
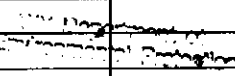
Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE ATTACH				

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 - 02514 Farm name Michael Southworth MSH Well number 6H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6,379	TVD	6,695 MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 1,011 psi Bottom Hole 4,782 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 10,660 mcfpd Oil 642 bpd NGL 0 bpd Water 2,440 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	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  
OFFICE OF OIL & GAS  
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 12/3/2025

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

03/20/2026

Latitude: 40°02'30"

SURFACE HOLE 8,825'

Latitude: 40°00'00" BOTTOM HOLE

3,539'

JACKSON SURVEYING INC.

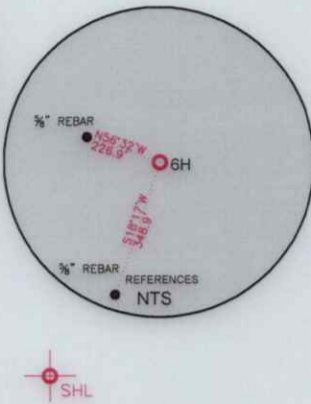
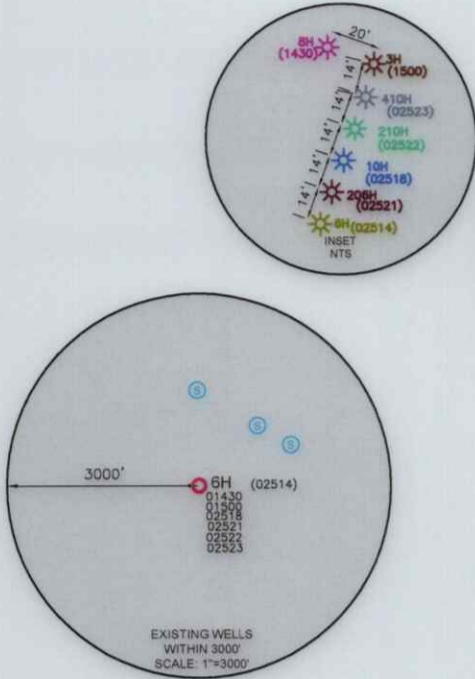
2413 EAST PIKE ST. # 112  
Clarksburg, WV 26302  
304-623-5851

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

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD27, ZONE 17, METERS): NORTHING: 4,429,231.790 EASTING: 532,869.927
<b>LANDING POINT (LPL):</b>
UTM (NAD27, ZONE 17, METERS): NORTHING: 4,429,156.676 EASTING: 532,667.610
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD27, ZONE 17, METERS): NORTHING: 4,425,241.792 EASTING: 534,500.199

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 10°24'40" E	1733.44'	SHL TO LANDMARK	5/8" REBAR FOUND
L2	N 44°14'15" E	1166.69'	SHL TO LANDMARK	5/8" REBAR FOUND
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 69°37'56" W	708.04'	1,576.73'	SHL TO LPL

BOTTOM HOLE 8,513'  
SURFACE HOLE 10,572'  
Longitude: 80°35'00"  
Longitude: 80°30'00"



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,231.733 EASTING: 532,870.004
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,152.914 EASTING: 532,665.491
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,243.813 EASTING: 534,504.841

WELL RESTRICTIONS

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

NOTES ON SURVEY

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

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

David L Jackson



(+) 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)

COMPANY: expand

MICHAEL SOUTHWORTH MSH  
OPERATOR'S WELL #: 6H

API WELL #: 47 051 02514  
STATE COUNTY PERMIT

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

WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1,271.4'

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  (SPECIFY) ASDRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,575' IVD 21,040' 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

<b>LEGEND:</b>	— SURVEYED BOUNDARY	REVISIONS:	DATE: 05-15-2025
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
⊙ EXISTING / PRODUCING WELLHEAD	== LEASE BOUNDARY		
LPL * LANDING POINT LOCATION	— ASDRILLED PATH		DRAWN BY: N. MANO
⊙ EXISTING WATER WELL	— PROPOSED PATH		SCALE: 1" = 2000'
⊙ EXISTING SPRING			DRAWING NO:
			WELL LOCATION PLAT

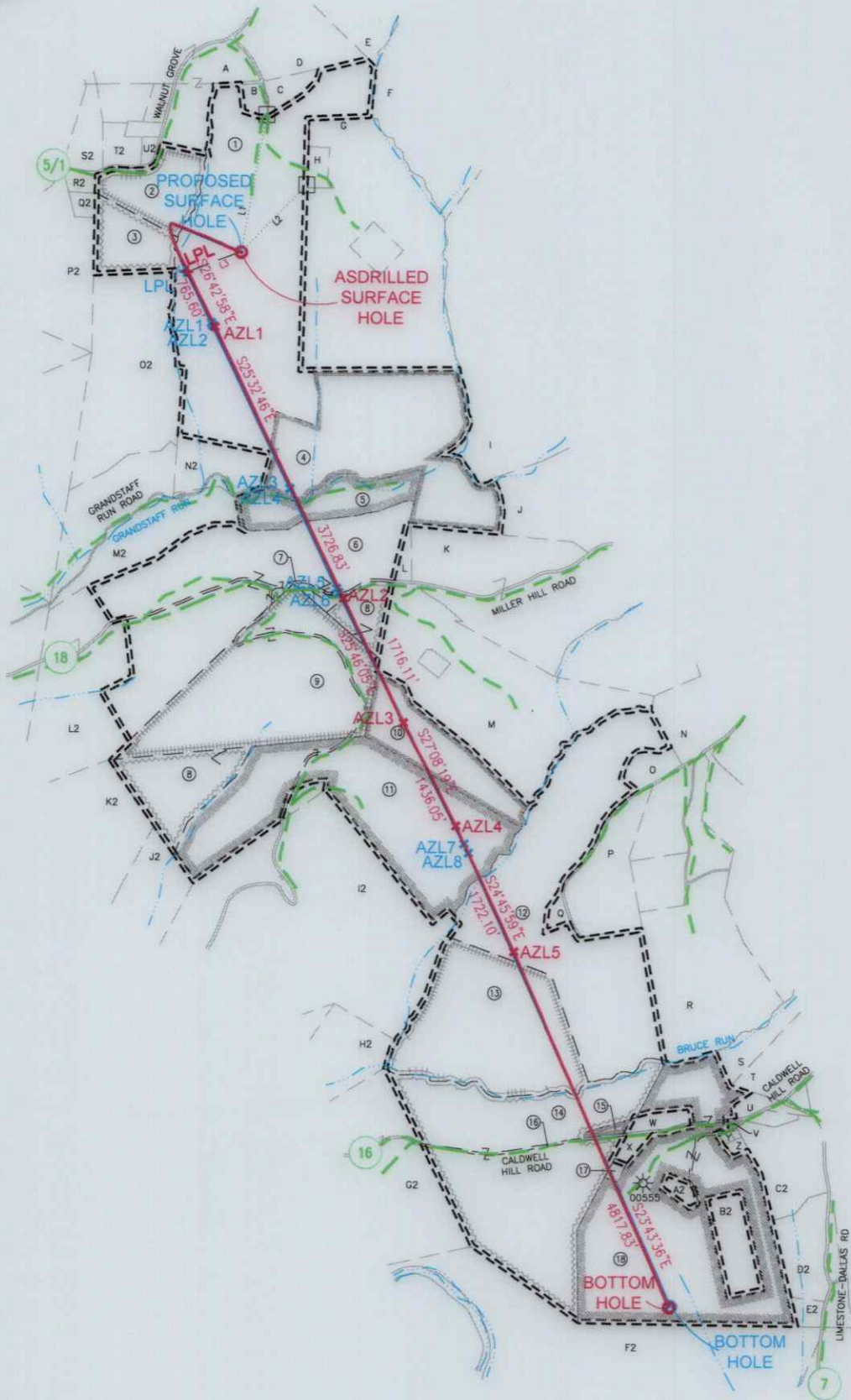
JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

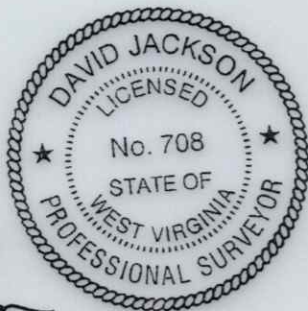
304-623-5851



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P.S. 708

*David L Jackson*



03/20/2026

REVISIONS:

COMPANY:



OPERATOR'S MICHAEL SOUTHWORTH MSH

API #: 47-051-02514

DATE: 05-15-2025

WELL #: 6H

DRAWN BY: N. MANO

DISTRICT: SANDHILL

COUNTY: MARSHALL

STATE: WV

SCALE: N/A

DRAWING NO: WELL LOCATION PLAT 2


**JACKSON SURVEYING  
INC.**

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

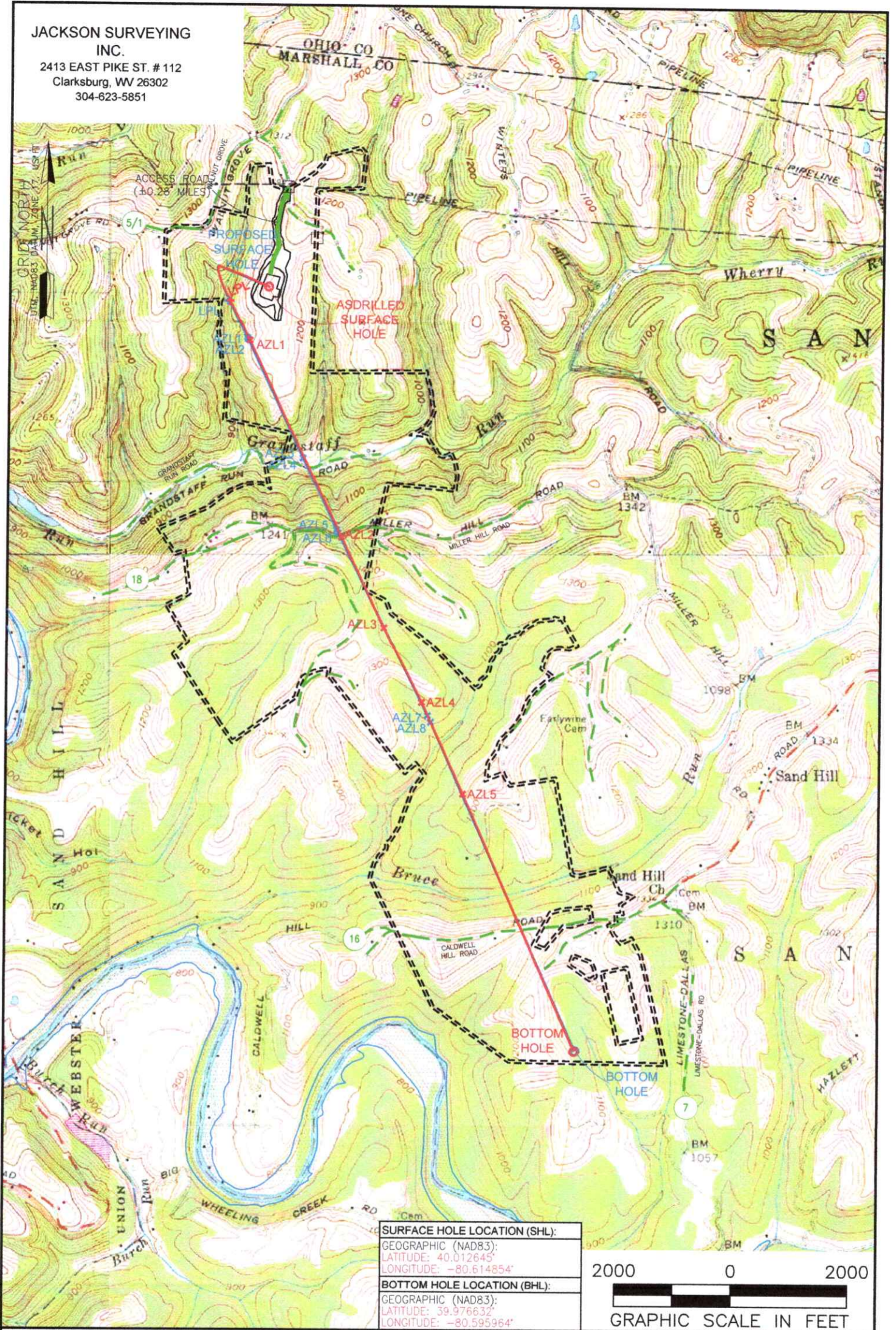
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	LITMAN JAMES M & LUCY A	12-2-16.1
B	RADCLIFFE JOHN D & ANNA M	12-2-10.1
C	LITMAN BARRY A	12-2-10.2
D	VELLENOWETH SCOTT U ET UX	12-2-1.1
E	BLATT THERESA L	12-2-23
F	BAIRD FAMILY TRUST	12-2-2
G	REINEKE RICHARD S	12-2-9
H	GREGORY JOHN W ET UX	12-2-9.1
I	TUBAUGH NORMA HUNTER ET AL	12-2-5
J	TOTH JOHN J SR & ALICE J REVOCABLE TRUST	12-8-1
K	TOTH JOHN J SR & ALICE - TRUST	12-8-4
L	TOTH JOHN J SR & ALICE - TRUST	12-8-4.1
M	RICHEY RANDY ET UX	12-8-35
N	SCHULTZ CHARLES E & CLAUDIA M - TOD	12-8-6
O	TOLAND CARRIE M	12-8-33.1
P	TOLAND MARGARET	12-8-32
Q	TOLAND DAVID ET UX	12-8-33.2
R	WINTERS BEVERLY DIANE	12-11-6
S	STORCH JOSEPH WILLIAM ET UX	12-11-7
T	STORCH JOSEPH WILLIAM ET UX	12-11-12
U	GRAY WYATT MATTHEW	12-11-8.6
V	GRAY DONALD G ET UX - TOD	12-11-8.2
W	GRAY WYATT MATTHEW	12-11-8.5
X	TEMPLE TERRY L & BEVERLY J - TOD	12-11-8.3
Y	RUNKLE MICHELLE LEE	12-11-8.1
Z	RUNKLE MICHELL LEE	12-11-8.7
A2	RAYMOND JOHN	12-11-8.9
B2	OHIO COUNTY COAL RESOURCES INC	12-11-8.8
C2	KLAGES MARY ANN	12-11-10
D2	HILLBERRY GARRY L	12-11-9
E2	HILLBERRY PAUL E JR	12-11-9.3
F2	THOMAS RICHARD LEE BARTON	12-11-16
G2	TH EXPLORATION LLC	12-11-3
H2	CLAYTON CHARLES W ET AL	12-11-2
I2	MERINAR CALVIN C - LIFE	12-9-18
J2	MERINAR CALVIN C - LIFE	12-9-19
K2	FISHER CHARLES B & CARLA S	12-9-20
L2	GRAY JOHN ALVIN EST	12-9-11
M2	GIBSON WILLIAM E	12-9-12
N2	G F P CORP	12-2-12
O2	WV BRIGHTMONT LLC	12-2-14
P2	WV BRIGHTMONT LLC	12-1-16
Q2	GIZA ALEXANDER C & CHRISTOPHER C	12-1-16.2
R2	GIZA ALEXANDER C & CHRISTOPHER C	12-1-16.1
S2	WV BRIGHTMONT LLC	12-1-16
T2	EDGE DAVID W & THERESA T	12-2-16.5
U2	DE LA CRUZ CAITLIN EDGE	12-2-16.6

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S)	12-2-10
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	EDGE WILLIAM F JR - TOD ET AL (S)	12-2-16
3	EDGE WILLIAM F JR - TOD ET AL (S)	12-2-15
4	TDL&G LLC (S)	12-2-8
5	G F P CORP (S)	12-2-7
6	PORTER CARLA S (S)	12-9-13
7	W VA DEPT OF HIGHWAYS (S)	Miller Hill Rd
8	MERINAR CALVIN C - LIFE (S)	12-9-15
9	MERINAR JAMES MARTIN ET UX (S)	12-9-15.1
10	MERINAR CALVIN C - LIFE (S)	12-8-34
11	MERINAR CALVIN C - LIFE (S)	12-9-16
12	TOLAND WILLIAM EUGENE ET AL (S)	12-8-33
13	TOLAND SONDR A J & WILLIAM E (S)	12-9-17
14	TEMPLE TERRY L & BEVERLY J - TOD (S)	12-11-4
15	TEMPLE DONALD LEE (S)	12-11-4.1
16	W VA DEPT OF HIGHWAYS (S)	Caldwell Hill Rd
17	TEMPLE TERRY L & BEVERLY J - TOD (S)	12-11-8.4
18	GRAY DONALD G - TOD & GRAY WYATT MATTHEW (S)	12-11-8

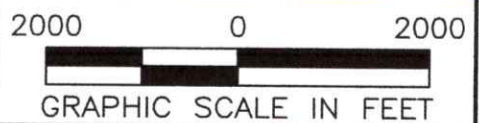
03/20/2026

REVISIONS:	COMPANY:		
			
	OPERATOR'S MICHAEL SOUTHWORTH MSH	API #:	DATE: 05-15-2025
	WELL #:	47-051-02514	DRAWN BY: N. MANO
	DISTRICT:	STATE:	SCALE: N/A
	SANDHILL	WV	DRAWING NO:
	COUNTY:		WELL LOCATION PLAT 3
	MARSHALL		

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



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.012645°
LONGITUDE: -80.614854°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.976632°
LONGITUDE: -80.595964°



**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.
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<b>LEGEND:</b>	PROPOSED SURFACE HOLE / BOTTOM HOLE	PUBLIC ROAD	<b>03/20/2026</b>
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD TO PREV. SITE	LEASE BOUNDARY	
LPL* LANDING POINT LOCATION	PROPOSED PATH	ASDRILLED PATH	
FLOOD PLAIN			

<b>WELL OPERATOR:</b> EXPAND OPERATING LLC	<b>WELL (FARM) NAME:</b> MICHAEL SOUTHWORTH MSH	<b>WELL #</b> 6H	<b>SERIAL #</b>
<b>ADDRESS:</b> 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	<b>COUNTY - CODE</b> MARSHALL - 051	<b>DISTRICT;</b> SANDHILL	
<b>SURFACE OWNER:</b> BARRY A. & KIMBERLY S. LITMAN	<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> VALLEY GROVE, WV	<b>API #:</b> 47-051-02514	



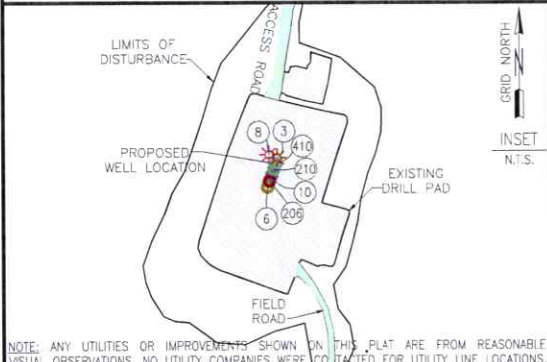
JACKSON SURVEYING  
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GRID NORTH  
 UTM, NAD83 DATUM, ZONE 17, US FT



NOTES ON SURVEY

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

LEGEND:

PROPOSED SURFACE HOLE / BOTTOM HOLE	DRILLING UNIT
EXISTING / PRODUCING WELLHEAD	LEASE BOUNDARY
ABANDONED WELL	HARDLINE BOUNDARY
PLUGGED & ABANDONED WELL	- UPP 2 > - UPPER POINT PLEASANT PATH
LPL* LANDING POINT LOCATION	- MAR 2 > - MARCELLUS PATH

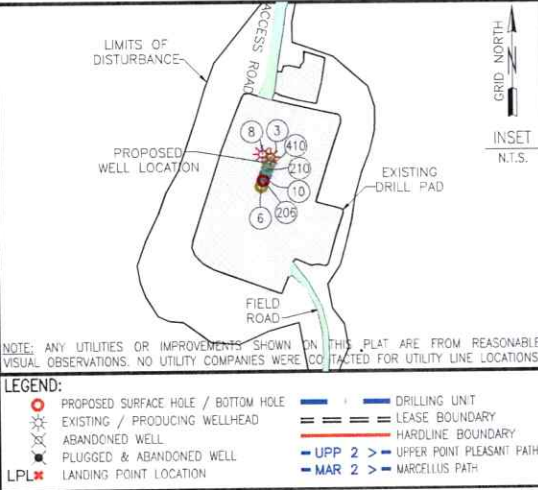
COMPANY:			
OPERATOR'S			MICHAEL SOUTHWORTH MSH
WELL #:			6H
DISTRICT:	COUNTY:	STATE:	
SANDHILL	MARSHALL	WV	
EXPAND OPERATING LLC SURFACE HOLES			
3. "MICHAEL SOUTHWORTH MSH 3H"			
6. "MICHAEL SOUTHWORTH MSH 6H"			
8. "MICHAEL SOUTHWORTH MSH 8H"			
10. "MICHAEL SOUTHWORTH MSH 10H"			
206. "MICHAEL SOUTHWORTH MSH 206H"			
210. "MICHAEL SOUTHWORTH MSH 210H"			
410. "MICHAEL SOUTHWORTH MSH 410H"			
REVISIONS:		DATE: 05-15-2025	
		DRAWN BY: N. MANO	
		SCALE: 1" = 2000'	
		DRAWING NO:	
		INTERNAL WELL PLAT NO:	

05/20/2026

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

<b>SURFACE HOLE LOCATION (SHL):</b>	
GEOGRAPHIC (NAD83):	
LATITUDE: 40.012645°	
LONGITUDE: -80.614854°	
UTM (NAD83, ZONE 17, FEET):	
NORTHING: 14,531,571.297	
EASTING: 1,748,257.420	
UTM (NAD283 ZONE 17, METERS):	
NORTHING: 4,429,231.799	
EASTING: 532,869.927	
<b>LANDING POINT LOCATION (LPL):</b>	
GEOGRAPHIC (NAD83):	
LATITUDE: 40.011977°	
LONGITUDE: -80.617728°	
UTM (NAD83, ZONE 17, FEET):	
NORTHING: 14,531,324.860	
EASTING: 1,747,593.650	
UTM (NAD283 ZONE 17, METERS):	
NORTHING: 4,429,156.676	
EASTING: 532,667.610	
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>
GEOGRAPHIC (NAD83):	GEOGRAPHIC (NAD83):
LATITUDE: 40.010095°	LATITUDE: 39.993071°
LONGITUDE: -80.616919°	LONGITUDE: -80.605364°
UTM (NAD83, ZONE 17, FEET):	UTM (NAD83, ZONE 17, FEET):
NORTHING: 14,530,640.990	NORTHING: 14,524,453.000
EASTING: 1,747,937.940	EASTING: 1,750,946.060
UTM (NAD283 ZONE 17, METERS):	UTM (NAD283 ZONE 17, METERS):
NORTHING: 4,428,948.232	NORTHING: 4,427,062.766
EASTING: 533,772.519	EASTING: 533,689.433
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
GEOGRAPHIC (NAD83):	GEOGRAPHIC (NAD83):
LATITUDE: 40.000842°	LATITUDE: 39.989768°
LONGITUDE: -80.610323°	LONGITUDE: -80.602614°
UTM (NAD83, ZONE 17, FEET):	UTM (NAD83, ZONE 17, FEET):
NORTHING: 14,527,278.500	NORTHING: 14,522,941.380
EASTING: 1,749,544.990	EASTING: 1,751,667.500
UTM (NAD283 ZONE 17, METERS):	UTM (NAD283 ZONE 17, METERS):
NORTHING: 4,427,923.343	NORTHING: 4,426,586.146
EASTING: 533,262.379	EASTING: 533,909.322
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):	GEOGRAPHIC (NAD83):
LATITUDE: 39.996589°	LATITUDE: 39.976632°
LONGITUDE: -80.607883°	LONGITUDE: -80.595964°
UTM (NAD83, ZONE 17, FEET):	UTM (NAD83, ZONE 17, FEET):
NORTHING: 14,525,733.040	NORTHING: 14,518,480.780
EASTING: 1,750,291.030	EASTING: 1,753,606.070
UTM (NAD283 ZONE 17, METERS):	UTM (NAD283 ZONE 17, METERS):
NORTHING: 4,427,452.285	NORTHING: 4,425,241.792
EASTING: 533,489.773	EASTING: 534,500.129

<b>SURFACE HOLE LOCATION (SHL):</b>	
GEOGRAPHIC (NAD27):	
LATITUDE: 40.012572°	
LONGITUDE: -80.615056°	
UTM (NAD27, ZONE 17, FEET):	
NORTHING: 552,860.910	
EASTING: 1,687,671.092	
<b>LANDING POINT LOCATION (LPL):</b>	
GEOGRAPHIC (NAD27):	
LATITUDE: 40.011903°	
LONGITUDE: -80.617430°	
UTM (NAD27, ZONE 17, FEET):	
NORTHING: 552,625.145	
EASTING: 1,687,003.079	
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>
GEOGRAPHIC (NAD27):	GEOGRAPHIC (NAD27):
LATITUDE: 40.010021°	LATITUDE: 39.992997°
LONGITUDE: -80.616212°	LONGITUDE: -80.605567°
UTM (NAD27, ZONE 17, FEET):	UTM (NAD27, ZONE 17, FEET):
NORTHING: 551,835.369	NORTHING: 549,697.792
EASTING: 1,687,335.886	EASTING: 1,690,241.187
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
GEOGRAPHIC (NAD27):	GEOGRAPHIC (NAD27):
LATITUDE: 40.000767°	LATITUDE: 39.988694°
LONGITUDE: -80.610529°	LONGITUDE: -80.603016°
UTM (NAD27, ZONE 17, FEET):	UTM (NAD27, ZONE 17, FEET):
NORTHING: 548,545.271	NORTHING: 544,211.664
EASTING: 1,686,897.052	EASTING: 1,690,936.594
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD27):	GEOGRAPHIC (NAD27):
LATITUDE: 39.996514°	LATITUDE: 39.976557°
LONGITUDE: -80.607885°	LONGITUDE: -80.596166°
UTM (NAD27, ZONE 17, FEET):	UTM (NAD27, ZONE 17, FEET):
NORTHING: 546,986.987	NORTHING: 539,677.656
EASTING: 1,689,607.364	EASTING: 1,682,801.776



COMPANY: **expand**

OPERATOR'S: MICHAEL SOUTHWORTH MSH

WELL #: 6H

DISTRICT: SANDHILL COUNTY: MARSHALL STATE: WV

EXPAND OPERATING 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: 05-15-2025

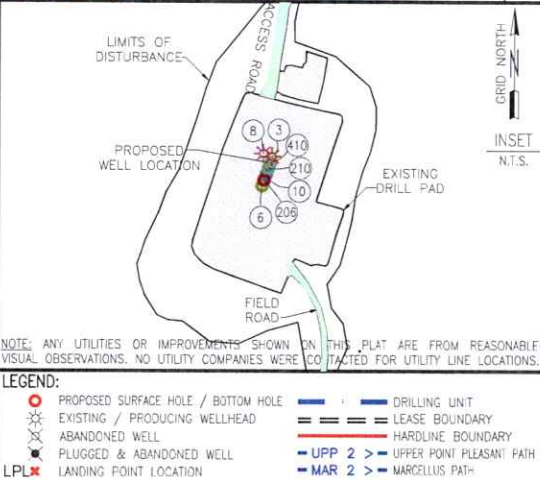
DRAWN BY: N. MANO  
 SCALE: 1" = 2000'  
 DRAWING NO:  
 INTERNAL WELL PLAT

05/20/2026

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

<b>SURFACE HOLE LOCATION (SHL):</b>	<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.012645° LONGITUDE: -80.614853°	GEOGRAPHIC (NAD83): LATITUDE: 40.004566° LONGITUDE: -80.612695°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,571.110 EASTING: 1,748,257.670	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,525,631.970 EASTING: 1,748,674.670
UTM (NAD283 ZONE 17, METERS): NORTHING: 4,428,231.733 EASTING: 532,870.004	UTM (NAD283 ZONE 17, METERS): NORTHING: 4,428,335.881 EASTING: 533,058.066
<b>TURNING POINT LOCATION-1 (TPL1):</b>	<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.013664° LONGITUDE: -80.617911°	GEOGRAPHIC (NAD83): LATITUDE: 40.001179° LONGITUDE: -80.610623°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,916.750 EASTING: 1,747,400.050	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,527,401.020 EASTING: 1,749,460.240
UTM (NAD283 ZONE 17, METERS): NORTHING: 4,429,337.084 EASTING: 532,608.600	UTM (NAD283 ZONE 17, METERS): NORTHING: 4,427,960.667 EASTING: 533,236.548
<b>LANDING POINT LOCATION (LPL):</b>	<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.011945° LONGITUDE: -80.617253°	GEOGRAPHIC (NAD83): LATITUDE: 40.001031° LONGITUDE: -80.610530°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,312.520 EASTING: 1,747,586.700	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,527,347.250 EASTING: 1,749,486.500
UTM (NAD283 ZONE 17, METERS): NORTHING: 4,429,152.914 EASTING: 532,665.491	UTM (NAD283 ZONE 17, METERS): NORTHING: 4,427,644.298 EASTING: 533,244.552
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	<b>AZIMUTH POINT LOCATION-7 (AZL7):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.010232° LONGITUDE: -80.616175°	GEOGRAPHIC (NAD83): LATITUDE: 39.992450° LONGITUDE: -80.605000°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,530,690.710 EASTING: 1,747,891.380	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,524,229.230 EASTING: 1,751,049.130
UTM (NAD283 ZONE 17, METERS): NORTHING: 4,428,963.366 EASTING: 532,758.358	UTM (NAD283 ZONE 17, METERS): NORTHING: 4,426,933.923 EASTING: 533,720.842
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	<b>AZIMUTH POINT LOCATION-8 (AZL8):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.010153° LONGITUDE: -80.616126°	GEOGRAPHIC (NAD83): LATITUDE: 39.992137° LONGITUDE: -80.604899°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,530,662.000 EASTING: 1,747,905.270	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,524,115.430 EASTING: 1,751,163.070
UTM (NAD283 ZONE 17, METERS): NORTHING: 4,428,954.636 EASTING: 532,762.592	UTM (NAD283 ZONE 17, METERS): NORTHING: 4,426,956.237 EASTING: 533,737.283
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.004587° LONGITUDE: -80.612708°	GEOGRAPHIC (NAD83): LATITUDE: 39.976650° LONGITUDE: -80.595909°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,528,639.350 EASTING: 1,748,871.150	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,518,487.410 EASTING: 1,753,621.300
UTM (NAD283 ZONE 17, METERS): NORTHING: 4,428,338.131 EASTING: 533,058.993	UTM (NAD283 ZONE 17, METERS): NORTHING: 4,425,243.813 EASTING: 534,504.841

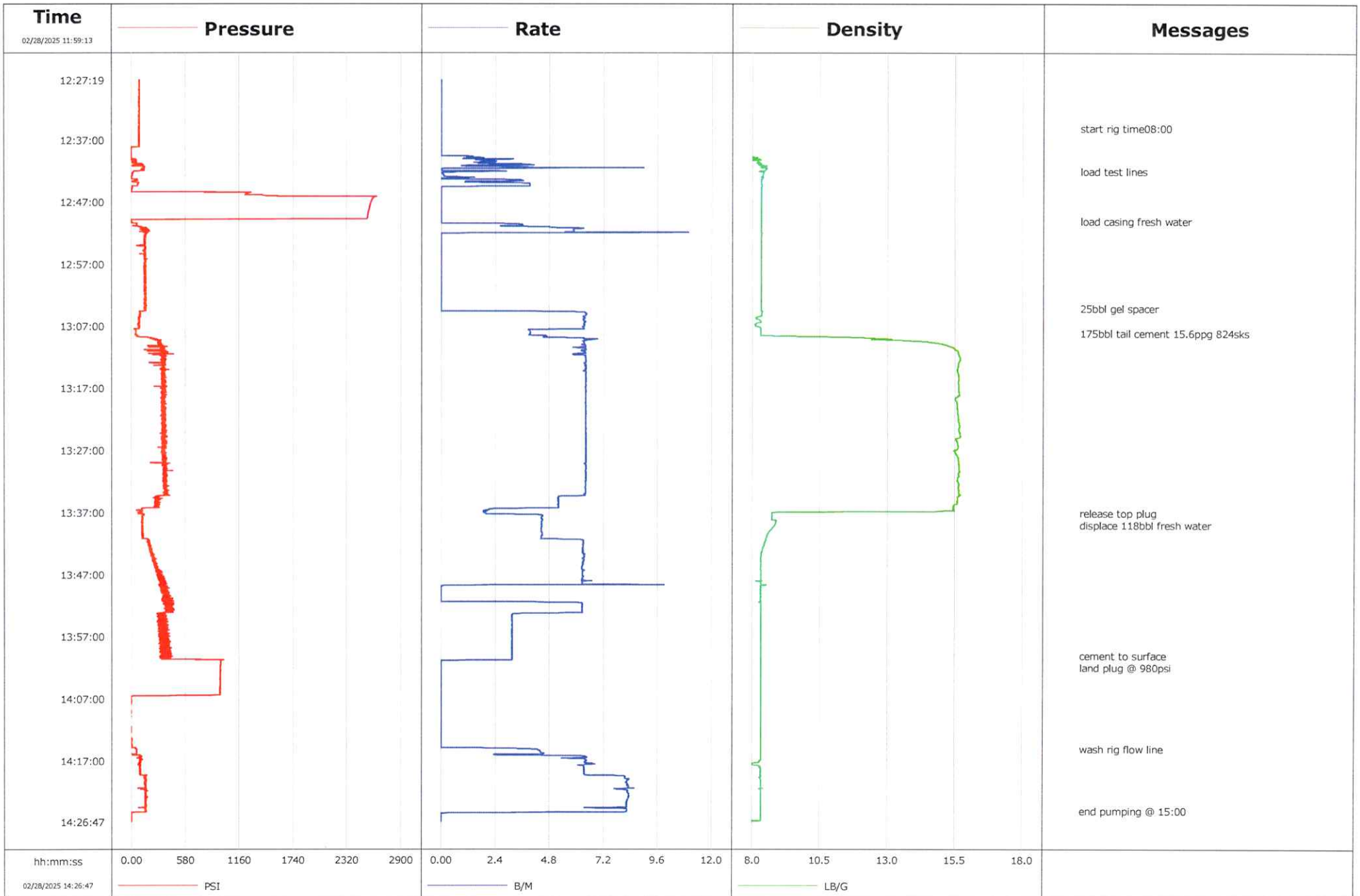
<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.012571° LONGITUDE: -80.615055°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 553,868.325 EASTING: 1,687,671.340
<b>TURNING POINT LOCATION-1 (TP1):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.013530° LONGITUDE: -80.618112°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 553,220.400 EASTING: 1,686,819.350
<b>LANDING POINT LOCATION (LPL):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.011869° LONGITUDE: -80.617455°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 552,612.919 EASTING: 1,686,995.921
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.010158° LONGITUDE: -80.616377°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 551,985.877 EASTING: 1,687,250.250
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.010079° LONGITUDE: -80.616327°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 551,956.129 EASTING: 1,687,303.662
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.004513° LONGITUDE: -80.612810°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 549,917.666 EASTING: 1,688,235.666
<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.004492° LONGITUDE: -80.612897°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 549,910.245 EASTING: 1,688,239.263
<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.001195° LONGITUDE: -80.610825°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 548,659.236 EASTING: 1,688,804.338
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>
GEOGRAPHIC (NAD27): LATITUDE: 40.000957° LONGITUDE: -80.610733°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 548,615.615 EASTING: 1,688,829.763
<b>AZIMUTH POINT LOCATION-7 (AZL7):</b>
GEOGRAPHIC (NAD27): LATITUDE: 39.992375° LONGITUDE: -80.605202°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 545,470.157 EASTING: 1,690,340.479
<b>AZIMUTH POINT LOCATION-8 (AZL8):</b>
GEOGRAPHIC (NAD27): LATITUDE: 39.992062° LONGITUDE: -80.605011°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 545,355.430 EASTING: 1,690,392.527
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD27): LATITUDE: 39.976675° LONGITUDE: -80.596112°
STATE PLANE (NAD 27), WVN, FT.: NORTHING: 539,654.032 EASTING: 1,692,817.119



<b>COMPANY:</b>			
<b>OPERATOR'S</b>		MICHAEL SOUTHWORTH MSH	
<b>WELL #:</b>		6H	
<b>DISTRICT:</b>	<b>COUNTY:</b>	<b>STATE:</b>	
SANDHILL	MARSHALL	WV	
<b>EXPAND OPERATING 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>	05-15-2025
		<b>DRAWN BY:</b>	N. MANO
		<b>SCALE:</b>	1" = 2000'
		<b>DRAWING NO.:</b>	INTERNAL WELL PLAT

03/20/2026

<b>Well</b>	Michael Southworth 6H	<b>Client</b>	Expand Energy
<b>Field</b>	Marshall	<b>SIR No.</b>	A.1068795.01.03
<b>Engineer</b>	Danny Cover	<b>Job Type</b>	Surface
<b>Country</b>	United States	<b>Job Date</b>	02-28-2025





# Cementing Service Report

				Customer Expand Energy			Job Number A.1068795.01.03		
Well Michael Southworth 6H 6h			Location (legal) 47-051-01681-00-00			Schlumberger Location Strasburg			Job Start Feb/28/2025
Field Marshall		Formation Name/Type		Deviation deg	Bit Size 17.5 in		Well MD 809.0 ft		Well TVD 809.0 ft
County Ohio		State/ProvinWest Virginia		BHP psi	BHST degF		BHCT degF		Pore Press. Gradient lb/gal
Well Master 0067430600		API/UWI							
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		110.0	20.0	90.0	N/A	N/A
				809.0	13.4	54.5	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 Surface							
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	
Service Instructions				ft	ft			Diameter in	
				ft	ft				
Treat Down Casing		Displacement 118.0 bbl		Packer Type		Packer Depth ft			
Tubing Vol. bbl		Casing Vol. 125.0 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 806.0 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/28/2025 08:00		Arrived on Location Feb/28/2025 08:00		Leave Location Feb/28/2025 17:00		Collar Type Float		Tail Pipe Depth ft	
				Collar Depth 762.0 ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	11:59:13	0	0.0	0.00	0.0	end job @ 16:00			
02/28/2025	11:59:43	0	0.0	0.00	0.0				
02/28/2025	12:00:13	0	0.0	0.00	0.0				
02/28/2025	12:00:43	0	0.0	0.00	0.0				
02/28/2025	12:01:13	0	0.0	0.00	0.0				
02/28/2025	12:01:43	0	0.0	0.00	0.0				
02/28/2025	12:02:13	0	0.0	0.00	0.0				
02/28/2025	12:02:43	0	0.0	0.00	0.0				
02/28/2025	12:03:13	0	0.0	0.00	0.0				
02/28/2025	12:03:43	0	0.0	0.00	0.0				
02/28/2025	12:04:13	0	0.0	0.00	0.0				
02/28/2025	12:04:43	0	0.0	0.00	0.0				
02/28/2025	12:05:13	0	0.0	0.00	0.0				
02/28/2025	12:05:43	0	0.0	0.00	0.0				
02/28/2025	12:06:13	0	0.0	0.00	0.0				
02/28/2025	12:06:43	0	0.0	0.00	0.0				
02/28/2025	12:07:13	0	0.0	0.00	0.0				
02/28/2025	12:07:43	0	0.0	0.00	0.0				
02/28/2025	12:08:13	0	0.0	0.00	0.0				
02/28/2025	12:08:43	0	0.0	0.00	0.0				
02/28/2025	12:09:13	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6h		Marshall		Feb/28/2025		Expand Energy		A.1068795.01.03	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	12:10:13	0	0.0	0.00	0.0				
02/28/2025	12:10:43	0	0.0	0.00	0.0				
02/28/2025	12:11:13	0	0.0	0.00	0.0				
02/28/2025	12:11:43	0	0.0	0.00	0.0				
02/28/2025	12:12:13	0	0.0	0.00	0.0				
02/28/2025	12:12:43	0	0.0	0.00	0.0				
02/28/2025	12:13:13	0	0.0	0.00	0.0				
02/28/2025	12:13:43	0	0.0	0.00	0.0				
02/28/2025	12:14:13	0	0.0	0.00	0.0				
02/28/2025	12:14:43	0	0.0	0.00	0.0				
02/28/2025	12:15:13	0	0.0	0.00	0.0				
02/28/2025	12:15:43	0	0.0	0.00	0.0				
02/28/2025	12:16:13	0	0.0	0.00	0.0				
02/28/2025	12:16:43	0	0.0	0.00	0.0				
02/28/2025	12:17:13	0	0.0	0.00	0.0				
02/28/2025	12:17:43	0	0.0	0.00	0.0				
02/28/2025	12:18:13	0	0.0	0.00	0.0				
02/28/2025	12:18:43	0	0.0	0.00	0.0				
02/28/2025	12:19:13	0	0.0	0.00	0.0				
02/28/2025	12:19:43	0	0.0	0.00	0.0				
02/28/2025	12:20:13	0	0.0	0.00	0.0				
02/28/2025	12:20:43	0	0.0	0.00	0.0				
02/28/2025	12:21:13	0	0.0	0.00	0.0				
02/28/2025	12:21:43	0	0.0	0.00	0.0				
02/28/2025	12:22:13	0	0.0	0.00	0.0				
02/28/2025	12:22:43	0	0.0	0.00	0.0				
02/28/2025	12:23:13	0	0.0	0.00	0.0				
02/28/2025	12:23:43	0	0.0	0.00	0.0				
02/28/2025	12:24:13	0	0.0	0.00	0.0				
02/28/2025	12:24:43	0	0.0	0.00	0.0				
02/28/2025	12:25:13	0	0.0	0.00	0.0				
02/28/2025	12:25:43	0	0.0	0.00	0.0				
02/28/2025	12:26:13	0	0.0	0.00	0.0				
02/28/2025	12:26:43	0	0.0	0.00	0.0				
02/28/2025	12:27:13	0	0.0	0.00	0.0				
02/28/2025	12:27:43	0	0.0	0.00	0.0				
02/28/2025	12:28:13	0	0.0	0.00	0.0				
02/28/2025	12:28:43	0	0.0	0.00	0.0				
02/28/2025	12:29:13	0	0.0	0.00	0.0				
02/28/2025	12:29:43	0	0.0	0.00	0.0				
02/28/2025	12:30:13	0	0.0	0.00	0.0				
02/28/2025	12:30:43	0	0.0	0.00	0.0				
02/28/2025	12:31:13	0	0.0	0.00	0.0				
02/28/2025	12:31:43	0	0.0	0.00	0.0				
02/28/2025	12:32:13	0	0.0	0.00	0.0				
02/28/2025	12:32:43	0	0.0	0.00	0.0				
02/28/2025	12:33:13	0	0.0	0.00	0.0				
02/28/2025	12:33:43	0	0.0	0.00	0.0				
02/28/2025	12:34:13	0	0.0	0.00	0.0				
02/28/2025	12:34:43	0	0.0	0.00	0.0				
02/28/2025	12:35:00	0	0.0	0.00	0.0	start rig time08:00			
02/28/2025	12:35:13	0	0.0	0.00	0.0				
02/28/2025	12:35:43	0	0.0	0.00	0.0				
02/28/2025	12:36:13	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6h		Marshall		Feb/28/2025		Expand Energy		A.1068795.01.03	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	12:37:13	0	0.0	0.00	0.0				
02/28/2025	12:37:43	0	0.0	0.00	0.0				
02/28/2025	12:38:13	0	0.0	0.00	0.0				
02/28/2025	12:38:43	0	0.0	0.00	0.0				
02/28/2025	12:39:13	0	0.0	0.00	0.0				
02/28/2025	12:39:43	0	0.0	0.00	0.0				
02/28/2025	12:40:13	0	0.0	0.00	0.0				
02/28/2025	12:40:43	0	0.0	0.00	0.0				
02/28/2025	12:41:13	0	0.0	0.00	0.0				
02/28/2025	12:41:43	0	0.0	0.00	0.0				
02/28/2025	12:42:00	0	0.0	0.00	0.0	load test lines			
02/28/2025	12:42:13	0	0.0	0.00	0.0				
02/28/2025	12:42:43	0	0.0	0.00	0.0				
02/28/2025	12:43:13	0	0.0	0.00	0.0				
02/28/2025	12:43:43	0	0.0	0.00	0.0				
02/28/2025	12:44:13	0	0.0	0.00	0.0				
02/28/2025	12:44:43	0	0.0	0.00	0.0				
02/28/2025	12:45:13	0	0.0	0.00	0.0				
02/28/2025	12:45:43	0	0.0	0.00	0.0				
02/28/2025	12:46:43	0	0.0	0.00	0.0				
02/28/2025	12:47:13	0	0.0	0.00	0.0				
02/28/2025	12:47:43	0	0.0	0.00	0.0				
02/28/2025	12:48:13	0	0.0	0.00	0.0				
02/28/2025	12:48:43	0	0.0	0.00	0.0				
02/28/2025	12:49:13	0	0.0	0.00	0.0				
02/28/2025	12:49:43	0	0.0	0.00	0.0				
02/28/2025	12:50:00	0	0.0	0.00	0.0	load casing fresh water			
02/28/2025	12:50:13	0	0.0	0.00	0.0				
02/28/2025	12:50:43	0	0.0	0.00	0.0				
02/28/2025	12:51:13	0	0.0	0.00	0.0				
02/28/2025	12:51:43	0	0.0	0.00	0.0				
02/28/2025	12:52:13	0	0.0	0.00	0.0				
02/28/2025	12:52:43	0	0.0	0.00	0.0				
02/28/2025	12:53:13	0	0.0	0.00	0.0				
02/28/2025	12:53:43	0	0.0	0.00	0.0				
02/28/2025	12:54:13	0	0.0	0.00	0.0				
02/28/2025	12:54:43	0	0.0	0.00	0.0				
02/28/2025	12:55:13	0	0.0	0.00	0.0				
02/28/2025	12:55:43	0	0.0	0.00	0.0				
02/28/2025	12:56:13	0	0.0	0.00	0.0				
02/28/2025	12:56:43	0	0.0	0.00	0.0				
02/28/2025	12:57:13	0	0.0	0.00	0.0				
02/28/2025	12:57:43	0	0.0	0.00	0.0				
02/28/2025	12:58:13	0	0.0	0.00	0.0				
02/28/2025	12:58:43	0	0.0	0.00	0.0				
02/28/2025	12:59:13	0	0.0	0.00	0.0				
02/28/2025	12:59:43	0	0.0	0.00	0.0				
02/28/2025	13:00:13	0	0.0	0.00	0.0				
02/28/2025	13:00:43	0	0.0	0.00	0.0				
02/28/2025	13:01:13	0	0.0	0.00	0.0				
02/28/2025	13:01:43	0	0.0	0.00	0.0				
02/28/2025	13:02:13	0	0.0	0.00	0.0				
02/28/2025	13:02:43	0	0.0	0.00	0.0				
02/28/2025	13:03:13	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6h		Marshall		Feb/28/2025		Expand Energy		A.1068795.01.03	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	13:04:00	0	0.0	0.00	0.0	25bbl gel spacer			
02/28/2025	13:04:13	0	0.0	0.00	0.0				
02/28/2025	13:04:43	0	0.0	0.00	0.0				
02/28/2025	13:05:13	0	0.0	0.00	0.0				
02/28/2025	13:05:43	0	0.0	0.00	0.0				
02/28/2025	13:06:13	0	0.0	0.00	0.0				
02/28/2025	13:06:43	0	0.0	0.00	0.0				
02/28/2025	13:07:13	0	0.0	0.00	0.0				
02/28/2025	13:07:43	0	0.0	0.00	0.0				
02/28/2025	13:08:00	0	0.0	0.00	0.0	175bbl tail cement 15.6ppg 824sks			
02/28/2025	13:08:13	0	0.0	0.00	0.0				
02/28/2025	13:08:43	0	0.0	0.00	0.0				
02/28/2025	13:09:13	0	0.0	0.00	0.0				
02/28/2025	13:09:43	0	0.0	0.00	0.0				
02/28/2025	13:10:13	0	0.0	0.00	0.0				
02/28/2025	13:10:43	0	0.0	0.00	0.0				
02/28/2025	13:11:13	0	0.0	0.00	0.0				
02/28/2025	13:11:43	0	0.0	0.00	0.0				
02/28/2025	13:12:13	0	0.0	0.00	0.0				
02/28/2025	13:12:43	0	0.0	0.00	0.0				
02/28/2025	13:13:13	0	0.0	0.00	0.0				
02/28/2025	13:13:43	0	0.0	0.00	0.0				
02/28/2025	13:14:13	0	0.0	0.00	0.0				
02/28/2025	13:14:43	0	0.0	0.00	0.0				
02/28/2025	13:15:13	0	0.0	0.00	0.0				
02/28/2025	13:15:43	0	0.0	0.00	0.0				
02/28/2025	13:16:13	0	0.0	0.00	0.0				
02/28/2025	13:16:43	0	0.0	0.00	0.0				
02/28/2025	13:17:13	0	0.0	0.00	0.0				
02/28/2025	13:17:43	0	0.0	0.00	0.0				
02/28/2025	13:18:13	0	0.0	0.00	0.0				
02/28/2025	13:18:43	0	0.0	0.00	0.0				
02/28/2025	13:19:13	0	0.0	0.00	0.0				
02/28/2025	13:19:43	0	0.0	0.00	0.0				
02/28/2025	13:20:13	0	0.0	0.00	0.0				
02/28/2025	13:20:43	0	0.0	0.00	0.0				
02/28/2025	13:21:13	0	0.0	0.00	0.0				
02/28/2025	13:21:43	0	0.0	0.00	0.0				
02/28/2025	13:22:13	0	0.0	0.00	0.0				
02/28/2025	13:22:43	0	0.0	0.00	0.0				
02/28/2025	13:23:13	0	0.0	0.00	0.0				
02/28/2025	13:23:43	0	0.0	0.00	0.0				
02/28/2025	13:24:13	0	0.0	0.00	0.0				
02/28/2025	13:24:43	0	0.0	0.00	0.0				
02/28/2025	13:25:13	0	0.0	0.00	0.0				
02/28/2025	13:25:43	0	0.0	0.00	0.0				
02/28/2025	13:26:13	0	0.0	0.00	0.0				
02/28/2025	13:26:43	0	0.0	0.00	0.0				
02/28/2025	13:27:13	0	0.0	0.00	0.0				
02/28/2025	13:27:43	0	0.0	0.00	0.0				
02/28/2025	13:28:13	0	0.0	0.00	0.0				
02/28/2025	13:28:43	0	0.0	0.00	0.0				
02/28/2025	13:29:13	0	0.0	0.00	0.0				
02/28/2025	13:29:43	0	0.0	0.00	0.0				

03/20/2026



Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6h		Marshall		Feb/28/2025		Expand Energy		A.1068795.01.03	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	13:30:43	0	0.0	0.00	0.0				
02/28/2025	13:31:13	0	0.0	0.00	0.0				
02/28/2025	13:31:43	0	0.0	0.00	0.0				
02/28/2025	13:32:13	0	0.0	0.00	0.0				
02/28/2025	13:32:43	0	0.0	0.00	0.0				
02/28/2025	13:33:13	0	0.0	0.00	0.0				
02/28/2025	13:33:43	0	0.0	0.00	0.0				
02/28/2025	13:34:13	0	0.0	0.00	0.0				
02/28/2025	13:34:43	0	0.0	0.00	0.0				
02/28/2025	13:35:13	0	0.0	0.00	0.0				
02/28/2025	13:35:43	0	0.0	0.00	0.0				
02/28/2025	13:36:13	0	0.0	0.00	0.0				
02/28/2025	13:36:43	0	0.0	0.00	0.0				
02/28/2025	13:37:00	0	0.0	0.00	0.0	release top plug			
02/28/2025	13:37:13	0	0.0	0.00	0.0				
02/28/2025	13:37:43	0	0.0	0.00	0.0				
02/28/2025	13:38:00	0	0.0	0.00	0.0	displace 118bbl fresh water			
02/28/2025	13:38:13	0	0.0	0.00	0.0				
02/28/2025	13:38:43	0	0.0	0.00	0.0				
02/28/2025	13:39:13	0	0.0	0.00	0.0				
02/28/2025	13:39:43	0	0.0	0.00	0.0				
02/28/2025	13:40:13	0	0.0	0.00	0.0				
02/28/2025	13:40:43	0	0.0	0.00	0.0				
02/28/2025	13:41:13	0	0.0	0.00	0.0				
02/28/2025	13:41:43	0	0.0	0.00	0.0				
02/28/2025	13:42:13	0	0.0	0.00	0.0				
02/28/2025	13:42:43	0	0.0	0.00	0.0				
02/28/2025	13:43:13	0	0.0	0.00	0.0				
02/28/2025	13:44:13	0	0.0	0.00	0.0				
02/28/2025	13:44:43	0	0.0	0.00	0.0				
02/28/2025	13:45:13	0	0.0	0.00	0.0				
02/28/2025	13:45:43	0	0.0	0.00	0.0				
02/28/2025	13:46:13	0	0.0	0.00	0.0				
02/28/2025	13:46:43	0	0.0	0.00	0.0				
02/28/2025	13:47:13	0	0.0	0.00	0.0				
02/28/2025	13:47:43	0	0.0	0.00	0.0				
02/28/2025	13:48:13	0	0.0	0.00	0.0				
02/28/2025	13:48:43	0	0.0	0.00	0.0				
02/28/2025	13:49:13	0	0.0	0.00	0.0				
02/28/2025	13:49:43	0	0.0	0.00	0.0				
02/28/2025	13:50:43	0	0.0	0.00	0.0				
02/28/2025	13:51:13	0	0.0	0.00	0.0				
02/28/2025	13:51:43	0	0.0	0.00	0.0				
02/28/2025	13:52:13	0	0.0	0.00	0.0				
02/28/2025	13:52:43	0	0.0	0.00	0.0				
02/28/2025	13:53:13	0	0.0	0.00	0.0				
02/28/2025	13:53:43	0	0.0	0.00	0.0				
02/28/2025	13:54:13	0	0.0	0.00	0.0				
02/28/2025	13:54:43	0	0.0	0.00	0.0				
02/28/2025	13:55:13	0	0.0	0.00	0.0				
02/28/2025	13:55:43	0	0.0	0.00	0.0				
02/28/2025	13:56:13	0	0.0	0.00	0.0				
02/28/2025	13:56:43	0	0.0	0.00	0.0				
02/28/2025	13:57:13	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6h		Marshall		Feb/28/2025		Expand Energy		A.1068795.01.03	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	13:58:13	0	0.0	0.00	0.0				
02/28/2025	13:58:43	0	0.0	0.00	0.0				
02/28/2025	13:59:13	0	0.0	0.00	0.0				
02/28/2025	13:59:43	0	0.0	0.00	0.0				
02/28/2025	14:00:00	0	0.0	0.00	0.0	cement to surface			
02/28/2025	14:00:13	0	0.0	0.00	0.0				
02/28/2025	14:00:43	0	0.0	0.00	0.0				
02/28/2025	14:01:00	0	0.0	0.00	0.0	land plug @ 980psi			
02/28/2025	14:01:13	0	0.0	0.00	0.0				
02/28/2025	14:01:43	0	0.0	0.00	0.0				
02/28/2025	14:02:13	0	0.0	0.00	0.0				
02/28/2025	14:02:43	0	0.0	0.00	0.0				
02/28/2025	14:03:13	0	0.0	0.00	0.0				
02/28/2025	14:03:43	0	0.0	0.00	0.0				
02/28/2025	14:04:13	0	0.0	0.00	0.0				
02/28/2025	14:04:43	0	0.0	0.00	0.0				
02/28/2025	14:05:13	0	0.0	0.00	0.0				
02/28/2025	14:05:43	0	0.0	0.00	0.0				
02/28/2025	14:06:13	0	0.0	0.00	0.0				
02/28/2025	14:06:43	0	0.0	0.00	0.0				
02/28/2025	14:07:13	0	0.0	0.00	0.0				
02/28/2025	14:07:43	0	0.0	0.00	0.0				
02/28/2025	14:08:13	0	0.0	0.00	0.0				
02/28/2025	14:08:43	0	0.0	0.00	0.0				
02/28/2025	14:09:13	0	0.0	0.00	0.0				
02/28/2025	14:09:43	0	0.0	0.00	0.0				
02/28/2025	14:10:13	0	0.0	0.00	0.0				
02/28/2025	14:10:43	0	0.0	0.00	0.0				
02/28/2025	14:11:13	0	0.0	0.00	0.0				
02/28/2025	14:11:43	0	0.0	0.00	0.0				
02/28/2025	14:12:13	0	0.0	0.00	0.0				
02/28/2025	14:12:43	0	0.0	0.00	0.0				
02/28/2025	14:13:13	0	0.0	0.00	0.0				
02/28/2025	14:13:43	0	0.0	0.00	0.0				
02/28/2025	14:14:13	0	0.0	0.00	0.0				
02/28/2025	14:14:43	0	0.0	0.00	0.0				
02/28/2025	14:15:00	0	0.0	0.00	0.0	wash rig flow line			
02/28/2025	14:15:13	0	0.0	0.00	0.0				
02/28/2025	14:15:43	0	0.0	0.00	0.0				
02/28/2025	14:16:13	0	0.0	0.00	0.0				
02/28/2025	14:16:43	0	0.0	0.00	0.0				
02/28/2025	14:17:13	0	0.0	0.00	0.0				
02/28/2025	14:17:43	0	0.0	0.00	0.0				
02/28/2025	14:18:13	0	0.0	0.00	0.0				
02/28/2025	14:18:43	0	0.0	0.00	0.0				
02/28/2025	14:19:13	0	0.0	0.00	0.0				
02/28/2025	14:19:43	0	0.0	0.00	0.0				
02/28/2025	14:20:13	0	0.0	0.00	0.0				
02/28/2025	14:20:43	0	0.0	0.00	0.0				
02/28/2025	14:21:13	0	0.0	0.00	0.0				
02/28/2025	14:21:43	0	0.0	0.00	0.0				
02/28/2025	14:22:13	0	0.0	0.00	0.0				
02/28/2025	14:22:43	0	0.0	0.00	0.0				
02/28/2025	14:23:13	0	0.0	0.00	0.0				

03/20/2026

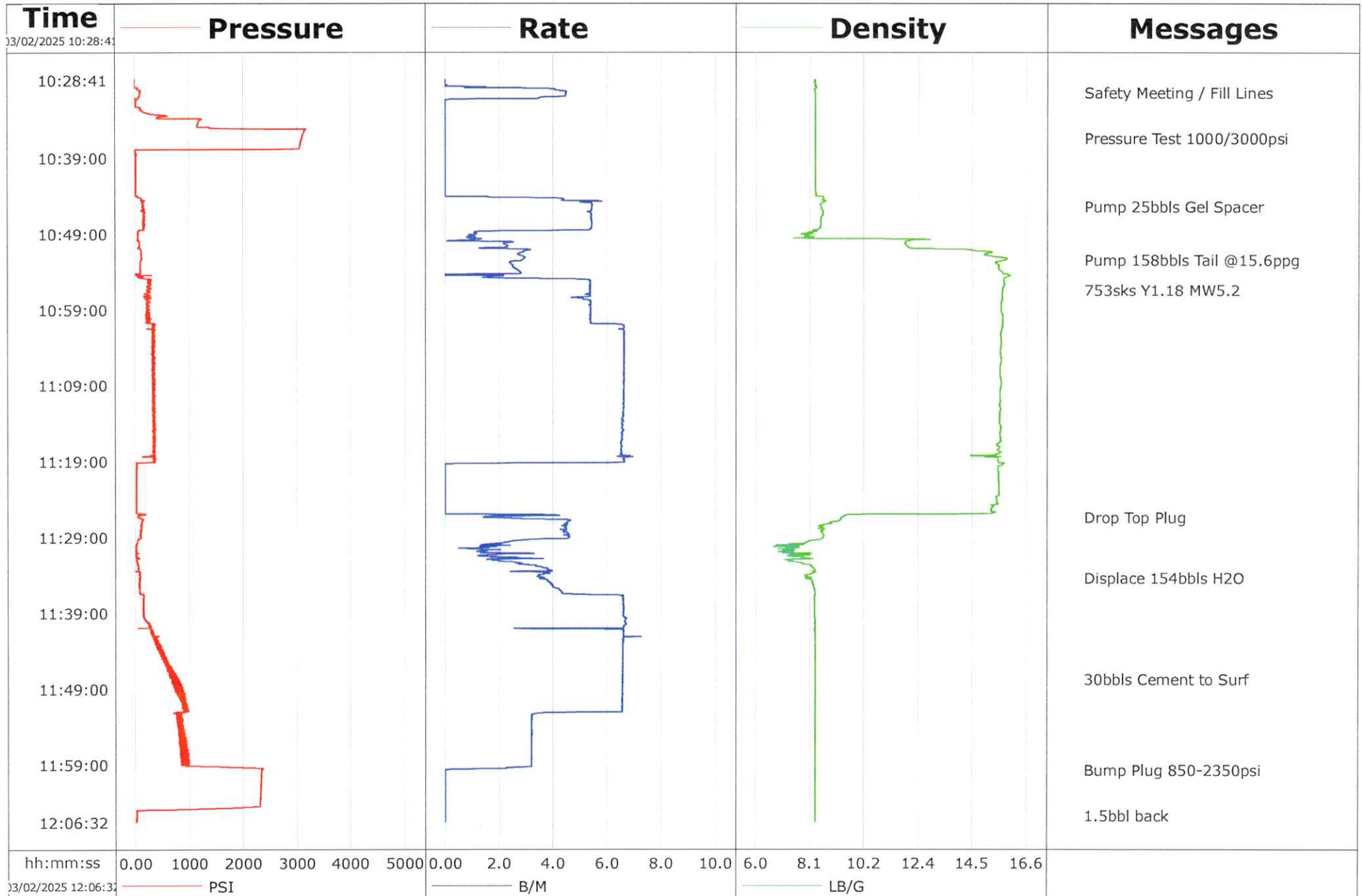
Well Michael Southworth 6H 6h		Field Marshall		Job Start Feb/28/2025		Customer Expand Energy		Job Number A.1068795.01.03	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2025	14:24:13	0	0.0	0.00	0.0				
02/28/2025	14:24:43	0	0.0	0.00	0.0				
02/28/2025	14:25:00	0	0.0	0.00	0.0	end pumping @ 15:00			
02/28/2025	14:25:13	0	0.0	0.00	0.0				
02/28/2025	14:25:43	0	0.0	0.00	0.0				
02/28/2025	14:26:13	0	0.0	0.00	0.0				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	0.0	Total Slurry	Mud	Spacer	N2
					174.0	0.0	25.0	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
0	0		980			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
%	174.0 bbl		118.0 bbl	63 degF	<input checked="" type="checkbox"/>	50.0 bbl		
Customer or Authorized Representative			Schlumberger Supervisor	Washed Thru Perfs	<input type="checkbox"/>	To	ft	
			Danny Cover	Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>	

03/20/2026

<b>Well</b>	Michael Southworth MSH 6H	<b>Client</b>	Expand Energy
<b>Field</b>	Marshall Co	<b>SIR No.</b>	A.1068795.01.04
<b>Engineer</b>	Wyatt Hall	<b>Job Type</b>	9 5/8" Intermediate
<b>Country</b>	United States	<b>Job Date</b>	3-2-2025





# Cementing Service Report

				Customer Expand Energy			Job Number A.1068795.01.04						
Well Michael Southworth MSH 6H 6H			Location (legal) Elm Grove			Schlumberger Location			Job Start Mar/02/2025				
Field Marshall Co		Formation Name/Type Shale			Deviation 0 deg		Bit Size 12.3 in		Well MD 2035.0 ft		Well TVD 2035.0 ft		
County Marshall		State/Pr West Virginia			BHP psi		BHST 82 degF		BHCT 80 degF		Pore Press. Gradient lb/gal		
Well Mast 0067430600		API/U 47-051-01681-00-00											
Rig Name EDC #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		2035.0		9.6	36.0			8-RD	
						809.0		13.4	54.5			BUTT	
Drilling Fluid Type KCI		Max. Density lb/gal		Plastic Viscosi cP		Tubing/Drill Pipe							
						T/D		Depth, ft	Size, in	Weight, lb/ft		Grade	Thread
Service Line Cementing		Job Type 9 5/8" Intermediate											
Max. Allowed Tub. Pr psi		Max. Allowed Ann. Pr psi		WH Connection Single		Perforations/Open Hole							
						Top, ft		Bottom, ft	shot/ft		No. of Shots	Total Interval ft	
						ft		ft				Diameter in	
						ft		ft					
Service Instructions CEMENTING 2035' 9 5/8" 36# CASING, SAFETY MEETING, FILL LINES, P TEST 1000/3000psi, PUMP 25bbbs GEL SPACER, PUMP 158bbbs TAIL @15.6ppg, 753sks Y1.18 MW5.2, DROP TOP PLUG, DISPLACE 154bbbs H2O, BUMP 850-2350psi, 1.5bbl BACK, 30bbl CEMENT TO SURF						Treat Down Casing		Displacement 153.8 bbl		Packer Type		Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 157.3 bbl		Annular Vol. 121.0 bbl		Openhole Vol. 68.4 bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to C <input type="checkbox"/>				Casing Tools			Squeeze Job				
Lift Pressure 850 psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type Float			Squeeze Type				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 2035.0 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 Mar/02/2025 04:3		Arrived on Location Mar/02/2025 04:3		Leave Location Mar/02/2025 13		Collar Type Float			Tail Pipe Depth ft				
						Collar Depth 1990.0 ft			Sqz. Total Vol. bbl				
Date	Time 24-hr clock	Pressure PSI	Rate B/M	Density LB/G	Volume BBL	Message							
03/02/2025	10:28:41	-5	0.0	8.31	0.0	Started Acquisition							
03/02/2025	10:29:51	59	3.9	8.33	0.5								
03/02/2025	10:30:23	101	4.5	8.32	2.8	Safety Meeting / Fill Lines							
03/02/2025	10:31:01	78	3.5	8.33	5.5								
03/02/2025	10:32:11	20	0.0	8.34	6.2								
03/02/2025	10:33:21	425	0.0	8.34	6.2								
03/02/2025	10:34:31	1166	0.0	8.34	6.3								
03/02/2025	10:35:41	3132	0.0	8.33	6.3								
03/02/2025	10:36:23	3094	0.0	8.34	6.3	Pressure Test 1000/3000psi							
03/02/2025	10:36:51	3075	0.0	8.34	6.3								
03/02/2025	10:38:01	20	0.0	8.33	6.3								
03/02/2025	10:39:11	25	0.0	8.33	6.3								
03/02/2025	10:40:21	25	0.0	8.33	6.3								
03/02/2025	10:41:31	25	0.0	8.33	6.3								
03/02/2025	10:42:41	26	0.0	8.33	6.3								
03/02/2025	10:43:51	27	0.0	8.36	6.3								
03/02/2025	10:45:01	140	5.4	8.58	10.2								
03/02/2025	10:45:23	155	5.4	8.56	12.2	Pump 25bbbs Gel Spacer							
03/02/2025	10:46:11	185	5.3	8.64	16.4								
03/02/2025	10:47:21	184	5.4	8.55	22.8								
03/02/2025	10:48:31	179	5.2	8.27	29.1								

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth MSH 6H		Marshall Co		Mar/02/2025		Expand Energy		A.1068795.01.04	
Date	Time 24-hr clock	Pressure PSI	Rate B/M	Density LB/G	Volume BBL	Message			
03/02/2025	10:50:51	72	1.5	12.00	32.8				
03/02/2025	10:52:01	125	2.9	15.31	36.0				
03/02/2025	10:52:23	129	2.9	15.80	37.0	Pump 158bbls Tail @15.6ppq			
03/02/2025	10:53:11	105	2.5	15.52	39.1				
03/02/2025	10:54:21	26	0.4	15.85	42.1				
03/02/2025	10:55:31	249	5.4	15.71	46.0				
03/02/2025	10:56:23	222	5.4	15.65	50.7	753sks Y1.18 MW5.2			
03/02/2025	10:56:41	275	5.4	15.64	52.3				
03/02/2025	10:57:51	226	5.4	15.62	58.4				
03/02/2025	10:59:01	251	5.4	15.60	64.7				
03/02/2025	11:00:11	214	5.4	15.65	70.9				
03/02/2025	11:02:31	332	6.6	15.58	85.4				
03/02/2025	11:03:41	336	6.6	15.59	93.1				
03/02/2025	11:04:51	359	6.6	15.57	100.8				
03/02/2025	11:06:01	319	6.6	15.59	108.5				
03/02/2025	11:07:11	345	6.6	15.55	116.3				
03/02/2025	11:08:21	370	6.6	15.59	124.0				
03/02/2025	11:09:31	327	6.6	15.57	131.7				
03/02/2025	11:10:41	354	6.6	15.56	139.4				
03/02/2025	11:11:51	367	6.6	15.55	147.1				
03/02/2025	11:13:01	334	6.6	15.55	154.7				
03/02/2025	11:14:11	369	6.6	15.55	162.4				
03/02/2025	11:15:21	367	6.5	15.55	170.0				
03/02/2025	11:16:31	357	6.5	15.54	177.6				
03/02/2025	11:17:41	353	6.5	15.52	185.2				
03/02/2025	11:18:51	365	6.6	15.48	192.9				
03/02/2025	11:20:01	36	0.0	15.48	195.7				
03/02/2025	11:21:11	30	0.0	15.50	195.7				
03/02/2025	11:22:21	30	0.0	15.51	195.7				
03/02/2025	11:23:31	29	0.0	15.52	195.7				
03/02/2025	11:24:41	30	0.0	15.42	195.7				
03/02/2025	11:25:51	29	0.0	15.27	195.7				
03/02/2025	11:26:23	58	1.4	9.42	196.7	Drop Top Plug			
03/02/2025	11:27:01	129	4.5	9.05	198.9				
03/02/2025	11:28:11	117	4.5	8.57	204.1				
03/02/2025	11:29:21	73	3.1	8.51	209.3				
03/02/2025	11:30:31	25	0.8	7.27	211.6				
03/02/2025	11:31:41	48	2.6	7.79	213.5				
03/02/2025	11:32:51	60	3.4	8.17	216.5				
03/02/2025	11:34:01	79	3.5	7.96	220.8				
03/02/2025	11:34:23	94	3.7	8.18	222.1	Displace 154bbls H2O			
03/02/2025	11:35:11	84	3.9	8.24	225.1				
03/02/2025	11:36:21	91	4.3	8.33	229.9				
03/02/2025	11:37:31	154	6.6	8.31	237.0				
03/02/2025	11:38:41	150	6.6	8.31	244.7				
03/02/2025	11:39:51	182	6.7	8.33	252.4				
03/02/2025	11:41:01	256	6.0	8.33	260.1				
03/02/2025	11:42:11	340	6.8	8.33	267.6				
03/02/2025	11:43:21	474	6.6	8.33	275.3				
03/02/2025	11:44:31	485	6.6	8.33	282.9				
03/02/2025	11:45:41	546	6.5	8.33	290.6				
03/02/2025	11:46:51	635	6.6	8.33	298.2				
03/02/2025	11:47:41	714	6.6	8.33	303.7	30bbls Cement to Surf			
03/02/2025	11:48:01	677	6.6	8.33	305.8				

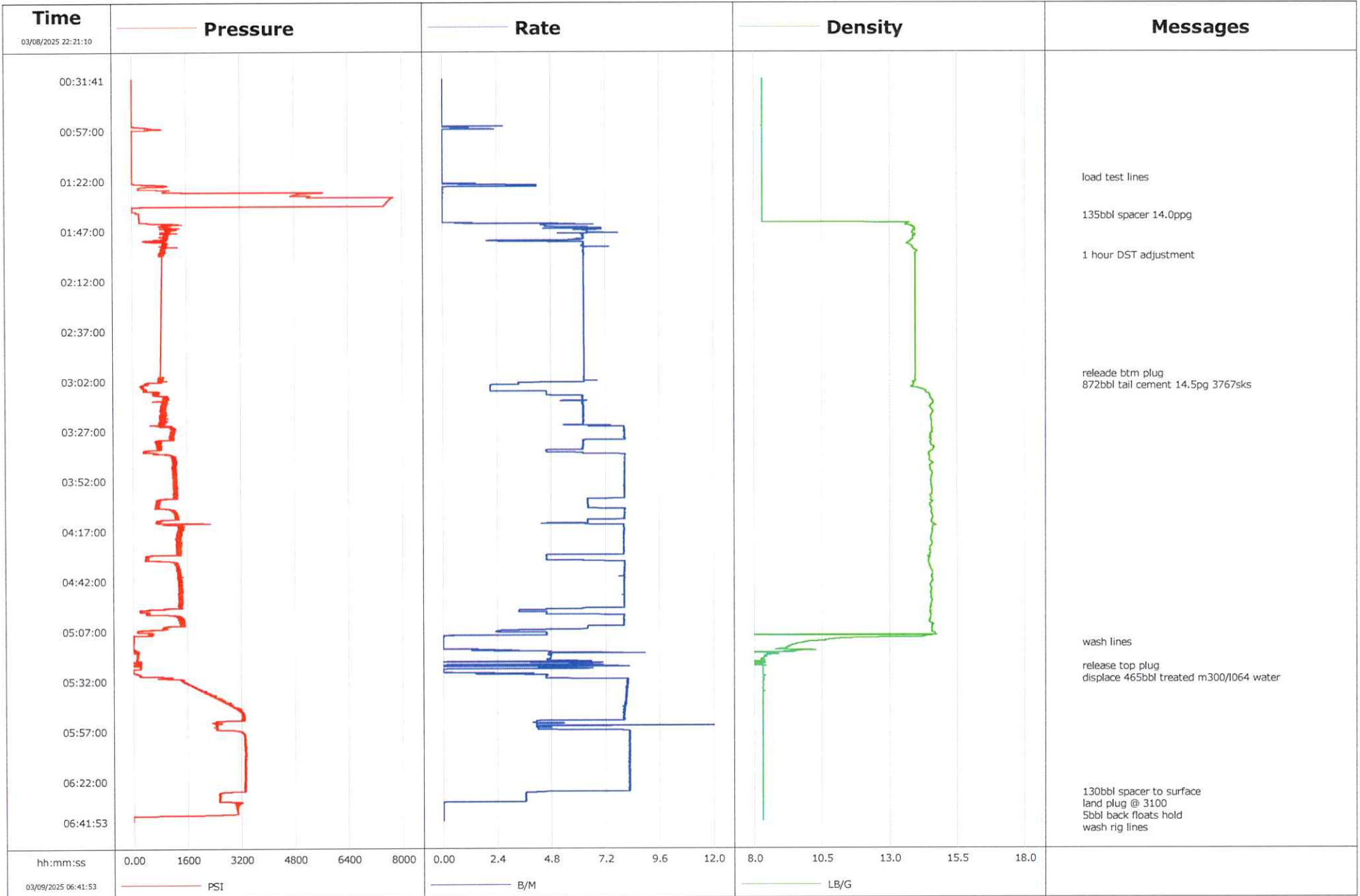
03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth MSH 6H		Marshall Co		Mar/02/2025		Expand Energy		A.1068795.01.04	
Date	Time 24-hr clock	Pressure PSI	Rate B/M	Density LB/G	Volume BBL	Message			
03/02/2025	11:50:21	886	6.5	8.33	321.2				
03/02/2025	11:51:31	905	6.5	8.33	328.8				
03/02/2025	11:52:41	805	3.2	8.33	334.6				
03/02/2025	11:53:51	801	3.2	8.33	338.4				
03/02/2025	11:55:01	827	3.2	8.33	342.1				
03/02/2025	11:56:11	928	3.2	8.33	345.8				
03/02/2025	11:57:21	955	3.2	8.33	349.6				
03/02/2025	11:58:31	885	3.2	8.33	353.3				
03/02/2025	11:59:41	2347	0.1	8.33	356.5	Bump Plug 850-2350psi			
03/02/2025	12:00:51	2330	0.0	8.33	356.5				
03/02/2025	12:02:01	2322	0.0	8.33	356.5				
03/02/2025	12:04:21	2305	0.0	8.33	356.5				
03/02/2025	12:05:31	32	0.0	8.33	356.5				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
				158.0		25.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
	0		2350			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volu	Displacement	Mix Water Temp	Cement Circulated to Surface	Washed Thru Perfs	Volume	To	
%	158.0 bbl	154.0 bbl	60 degF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30.0 bbl	ft	
Customer or Authorized Representative	Schlumberger Supervisor				Circulation Lost	Job Completed		
Company Man	Wyatt Hall				-	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>

<b>Well</b>	Michael Southworth 6H	<b>Client</b>	Expand Energy
<b>Field</b>	Marshall Console	<b>SIR No.</b>	A.1068795.01.25
<b>Engineer</b>	Danny Cover	<b>Job Type</b>	Production
<b>Country</b>	United States	<b>Job Date</b>	03-08-2025







# Cementing Service Report

				Customer Expand Energy			Job Number A.1068795.01.25		
Well Michael Southworth 6H 6H			Location (legal) 47-051-01681-00-00			Schlumberger Location trasburg			Job Start Mar/08/2025
Field Marshall Console		Formation Name/Type		Deviation deg	Bit Size 8.5 in		Well ND 21034.0 ft		Well TVD 6401.0 ft
County Marshall		State/Province West Virginia		BHP psi	BHST degF		BHCT degF		Pore Press. Gradient lb/gal
Well Master 0067430600		API/UWI 47-051-01681-00-00							
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 Rigless		2031.0	9.6	36.0	N/A	N/A
	21034.0	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				
Service Instructions	ft	ft			Diameter in				
	ft	ft							
	ft	ft							
Treat Down Casing		Displacement 465.0 bbl		Packer Type		Packer Depth ft			
Tubing Vol. bbl		Casing Vol. 466.0 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		Shoe Type Float		Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 21032.0 ft		Tool Type			
No. Centralizers		Top Plugs 1	Bottom Plugs 1	Stage Tool Type		Tool Depth ft			
Cement Head Type Single		Stage Tool Depth ft		Tail Pipe Size in					
Job Scheduled For Mar/08/2025 23:00		Arrived on Location Mar/08/2025 23:00		Leave Location Mar/08/2025 08:00		Collar Type Float		Tail Pipe Depth ft	
						Collar Depth 20993.0 ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/08/2025	22:21:10	0	0.0	0.00	0.0				
03/08/2025	22:21:40	0	0.0	0.00	0.0				
03/08/2025	22:22:10	0	0.0	0.00	0.0				
03/08/2025	22:22:40	0	0.0	0.00	0.0				
03/08/2025	22:23:10	0	0.0	0.00	0.0				
03/08/2025	22:23:40	0	0.0	0.00	0.0				
03/08/2025	22:24:10	0	0.0	0.00	0.0				
03/08/2025	22:24:40	0	0.0	0.00	0.0				
03/08/2025	22:25:10	0	0.0	0.00	0.0				
03/08/2025	22:25:40	0	0.0	0.00	0.0				
03/08/2025	22:26:10	0	0.0	0.00	0.0				
03/08/2025	22:26:40	0	0.0	0.00	0.0				
03/08/2025	22:27:10	0	0.0	0.00	0.0				
03/08/2025	22:27:40	0	0.0	0.00	0.0				
03/08/2025	22:28:10	0	0.0	0.00	0.0				
03/08/2025	22:28:40	0	0.0	0.00	0.0				
03/08/2025	22:29:10	0	0.0	0.00	0.0				
03/08/2025	22:29:40	0	0.0	0.00	0.0				
03/08/2025	22:30:10	0	0.0	0.00	0.0				
03/08/2025	22:30:40	0	0.0	0.00	0.0				
03/08/2025	22:31:10	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start	Customer	Job Number
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025	Expand Energy	A.1068795.01.25
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/08/2025	22:32:10	0	0.0	0.00	0.0	
03/08/2025	22:32:40	0	0.0	0.00	0.0	
03/08/2025	22:33:10	0	0.0	0.00	0.0	
03/08/2025	22:33:40	0	0.0	0.00	0.0	
03/08/2025	22:34:10	0	0.0	0.00	0.0	
03/08/2025	22:34:40	0	0.0	0.00	0.0	
03/08/2025	22:35:10	0	0.0	0.00	0.0	
03/08/2025	22:35:40	0	0.0	0.00	0.0	
03/08/2025	22:36:10	0	0.0	0.00	0.0	
03/08/2025	22:36:40	0	0.0	0.00	0.0	
03/08/2025	22:37:10	0	0.0	0.00	0.0	
03/08/2025	22:37:40	0	0.0	0.00	0.0	
03/08/2025	22:38:10	0	0.0	0.00	0.0	
03/08/2025	22:38:40	0	0.0	0.00	0.0	
03/08/2025	22:39:10	0	0.0	0.00	0.0	
03/08/2025	22:39:40	0	0.0	0.00	0.0	
03/08/2025	22:40:10	0	0.0	0.00	0.0	
03/08/2025	22:40:40	0	0.0	0.00	0.0	
03/08/2025	22:41:10	0	0.0	0.00	0.0	
03/08/2025	22:41:40	0	0.0	0.00	0.0	
03/08/2025	22:42:10	0	0.0	0.00	0.0	
03/08/2025	22:42:40	0	0.0	0.00	0.0	
03/08/2025	22:43:10	0	0.0	0.00	0.0	
03/08/2025	22:43:40	0	0.0	0.00	0.0	
03/08/2025	22:44:10	0	0.0	0.00	0.0	
03/08/2025	22:44:40	0	0.0	0.00	0.0	
03/08/2025	22:45:10	0	0.0	0.00	0.0	
03/08/2025	22:45:40	0	0.0	0.00	0.0	
03/08/2025	22:46:10	0	0.0	0.00	0.0	
03/08/2025	22:46:40	0	0.0	0.00	0.0	
03/08/2025	22:47:10	0	0.0	0.00	0.0	
03/08/2025	22:47:40	0	0.0	0.00	0.0	
03/08/2025	22:48:10	0	0.0	0.00	0.0	
03/08/2025	22:48:40	0	0.0	0.00	0.0	
03/08/2025	22:49:10	0	0.0	0.00	0.0	
03/08/2025	22:49:40	0	0.0	0.00	0.0	
03/08/2025	22:50:10	0	0.0	0.00	0.0	
03/08/2025	22:50:40	0	0.0	0.00	0.0	
03/08/2025	22:51:10	0	0.0	0.00	0.0	
03/08/2025	22:51:40	0	0.0	0.00	0.0	
03/08/2025	22:52:10	0	0.0	0.00	0.0	
03/08/2025	22:52:40	0	0.0	0.00	0.0	
03/08/2025	22:53:10	0	0.0	0.00	0.0	
03/08/2025	22:53:40	0	0.0	0.00	0.0	
03/08/2025	22:54:10	0	0.0	0.00	0.0	
03/08/2025	22:54:40	0	0.0	0.00	0.0	
03/08/2025	22:55:10	0	0.0	0.00	0.0	
03/08/2025	22:55:40	0	0.0	0.00	0.0	
03/08/2025	22:56:10	0	0.0	0.00	0.0	
03/08/2025	22:57:10	0	0.0	0.00	0.0	
03/08/2025	22:57:40	0	0.0	0.00	0.0	
03/08/2025	22:58:10	0	0.0	0.00	0.0	
03/08/2025	22:58:40	0	0.0	0.00	0.0	
03/08/2025	22:59:10	0	0.0	0.00	0.0	

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/08/2025	23:00:10	0	0.0	0.00	0.0				
03/08/2025	23:00:40	0	0.0	0.00	0.0				
03/08/2025	23:01:10	0	0.0	0.00	0.0				
03/08/2025	23:01:40	0	0.0	0.00	0.0				
03/08/2025	23:02:10	0	0.0	0.00	0.0				
03/08/2025	23:02:40	0	0.0	0.00	0.0				
03/08/2025	23:03:40	0	0.0	0.00	0.0				
03/08/2025	23:04:10	0	0.0	0.00	0.0				
03/08/2025	23:04:40	0	0.0	0.00	0.0				
03/08/2025	23:05:10	0	0.0	0.00	0.0				
03/08/2025	23:05:40	0	0.0	0.00	0.0				
03/08/2025	23:06:10	0	0.0	0.00	0.0				
03/08/2025	23:06:40	0	0.0	0.00	0.0				
03/08/2025	23:07:10	0	0.0	0.00	0.0				
03/08/2025	23:07:40	0	0.0	0.00	0.0				
03/08/2025	23:08:10	0	0.0	0.00	0.0				
03/08/2025	23:08:40	0	0.0	0.00	0.0				
03/08/2025	23:09:10	0	0.0	0.00	0.0				
03/08/2025	23:09:40	0	0.0	0.00	0.0				
03/08/2025	23:10:10	0	0.0	0.00	0.0				
03/08/2025	23:10:40	0	0.0	0.00	0.0				
03/08/2025	23:11:10	0	0.0	0.00	0.0				
03/08/2025	23:11:40	0	0.0	0.00	0.0				
03/08/2025	23:12:10	0	0.0	0.00	0.0				
03/08/2025	23:12:40	0	0.0	0.00	0.0				
03/08/2025	23:13:10	0	0.0	0.00	0.0				
03/08/2025	23:13:40	0	0.0	0.00	0.0				
03/08/2025	23:14:10	0	0.0	0.00	0.0				
03/08/2025	23:14:40	0	0.0	0.00	0.0				
03/08/2025	23:15:10	0	0.0	0.00	0.0				
03/08/2025	23:15:40	0	0.0	0.00	0.0				
03/08/2025	23:16:10	0	0.0	0.00	0.0				
03/08/2025	23:16:40	0	0.0	0.00	0.0				
03/08/2025	23:17:10	0	0.0	0.00	0.0				
03/08/2025	23:17:40	0	0.0	0.00	0.0				
03/08/2025	23:18:10	0	0.0	0.00	0.0				
03/08/2025	23:18:40	0	0.0	0.00	0.0				
03/08/2025	23:19:10	0	0.0	0.00	0.0				
03/08/2025	23:19:40	0	0.0	0.00	0.0				
03/08/2025	23:20:10	0	0.0	0.00	0.0				
03/08/2025	23:20:40	0	0.0	0.00	0.0				
03/08/2025	23:21:10	0	0.0	0.00	0.0				
03/08/2025	23:21:40	0	0.0	0.00	0.0				
03/08/2025	23:22:10	0	0.0	0.00	0.0				
03/08/2025	23:22:40	0	0.0	0.00	0.0				
03/08/2025	23:23:10	0	0.0	0.00	0.0				
03/08/2025	23:23:40	0	0.0	0.00	0.0				
03/08/2025	23:24:10	0	0.0	0.00	0.0				
03/08/2025	23:24:40	0	0.0	0.00	0.0				
03/08/2025	23:25:10	0	0.0	0.00	0.0				
03/08/2025	23:25:40	0	0.0	0.00	0.0				
03/08/2025	23:26:10	0	0.0	0.00	0.0				
03/08/2025	23:26:40	0	0.0	0.00	0.0				
03/08/2025	23:27:10	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/08/2025	23:28:10	0	0.0	0.00	0.0				
03/08/2025	23:28:40	0	0.0	0.00	0.0				
03/08/2025	23:29:10	0	0.0	0.00	0.0				
03/08/2025	23:29:40	0	0.0	0.00	0.0				
03/08/2025	23:30:10	0	0.0	0.00	0.0				
03/08/2025	23:30:40	0	0.0	0.00	0.0				
03/08/2025	23:31:10	0	0.0	0.00	0.0				
03/08/2025	23:31:40	0	0.0	0.00	0.0				
03/08/2025	23:32:10	0	0.0	0.00	0.0				
03/08/2025	23:32:40	0	0.0	0.00	0.0				
03/08/2025	23:33:10	0	0.0	0.00	0.0				
03/08/2025	23:33:40	0	0.0	0.00	0.0				
03/08/2025	23:34:10	0	0.0	0.00	0.0				
03/08/2025	23:34:40	0	0.0	0.00	0.0				
03/08/2025	23:35:10	0	0.0	0.00	0.0				
03/08/2025	23:35:40	0	0.0	0.00	0.0				
03/08/2025	23:36:10	0	0.0	0.00	0.0				
03/08/2025	23:36:40	0	0.0	0.00	0.0				
03/08/2025	23:37:10	0	0.0	0.00	0.0				
03/08/2025	23:37:40	0	0.0	0.00	0.0				
03/08/2025	23:38:10	0	0.0	0.00	0.0				
03/08/2025	23:38:40	0	0.0	0.00	0.0				
03/08/2025	23:39:10	0	0.0	0.00	0.0				
03/08/2025	23:39:40	0	0.0	0.00	0.0				
03/08/2025	23:40:10	0	0.0	0.00	0.0				
03/08/2025	23:40:40	0	0.0	0.00	0.0				
03/08/2025	23:41:10	0	0.0	0.00	0.0				
03/08/2025	23:41:40	0	0.0	0.00	0.0				
03/08/2025	23:42:10	0	0.0	0.00	0.0				
03/08/2025	23:42:40	0	0.0	0.00	0.0				
03/08/2025	23:43:10	0	0.0	0.00	0.0				
03/08/2025	23:43:40	0	0.0	0.00	0.0				
03/08/2025	23:44:10	0	0.0	0.00	0.0				
03/08/2025	23:44:40	0	0.0	0.00	0.0				
03/08/2025	23:45:10	0	0.0	0.00	0.0				
03/08/2025	23:45:40	0	0.0	0.00	0.0				
03/08/2025	23:46:10	0	0.0	0.00	0.0				
03/08/2025	23:46:40	0	0.0	0.00	0.0				
03/08/2025	23:47:10	0	0.0	0.00	0.0				
03/08/2025	23:48:10	0	0.0	0.00	0.0				
03/08/2025	23:48:40	0	0.0	0.00	0.0				
03/08/2025	23:49:10	0	0.0	0.00	0.0				
03/08/2025	23:49:40	0	0.0	0.00	0.0				
03/08/2025	23:50:10	0	0.0	0.00	0.0				
03/08/2025	23:50:40	0	0.0	0.00	0.0				
03/08/2025	23:51:10	0	0.0	0.00	0.0				
03/08/2025	23:51:40	0	0.0	0.00	0.0				
03/08/2025	23:52:10	0	0.0	0.00	0.0				
03/08/2025	23:52:40	0	0.0	0.00	0.0				
03/08/2025	23:53:10	0	0.0	0.00	0.0				
03/08/2025	23:53:40	0	0.0	0.00	0.0				
03/08/2025	23:54:40	0	0.0	0.00	0.0				
03/08/2025	23:55:10	0	0.0	0.00	0.0				
03/08/2025	23:55:40	0	0.0	0.00	0.0				

Well		Field		Job Start	Customer	Job Number
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025	Expand Energy	A.1068795.01.25
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/08/2025	23:56:40	0	0.0	0.00	0.0	
03/08/2025	23:57:10	0	0.0	0.00	0.0	
03/08/2025	23:57:40	0	0.0	0.00	0.0	
03/08/2025	23:58:10	0	0.0	0.00	0.0	
03/08/2025	23:58:40	0	0.0	0.00	0.0	
03/08/2025	23:59:10	0	0.0	0.00	0.0	
03/08/2025	23:59:40	0	0.0	0.00	0.0	
03/09/2025	00:00:10	0	0.0	0.00	0.0	
03/09/2025	00:01:10	0	0.0	0.00	0.0	
03/09/2025	00:01:40	0	0.0	0.00	0.0	
03/09/2025	00:02:10	0	0.0	0.00	0.0	
03/09/2025	00:02:40	0	0.0	0.00	0.0	
03/09/2025	00:03:10	0	0.0	0.00	0.0	
03/09/2025	00:03:40	0	0.0	0.00	0.0	
03/09/2025	00:04:10	0	0.0	0.00	0.0	
03/09/2025	00:04:40	0	0.0	0.00	0.0	
03/09/2025	00:05:10	0	0.0	0.00	0.0	
03/09/2025	00:05:40	0	0.0	0.00	0.0	
03/09/2025	00:06:10	0	0.0	0.00	0.0	
03/09/2025	00:06:40	0	0.0	0.00	0.0	
03/09/2025	00:07:10	0	0.0	0.00	0.0	
03/09/2025	00:07:40	0	0.0	0.00	0.0	
03/09/2025	00:08:10	0	0.0	0.00	0.0	
03/09/2025	00:08:40	0	0.0	0.00	0.0	
03/09/2025	00:09:10	0	0.0	0.00	0.0	
03/09/2025	00:09:40	0	0.0	0.00	0.0	
03/09/2025	00:10:10	0	0.0	0.00	0.0	
03/09/2025	00:10:40	0	0.0	0.00	0.0	
03/09/2025	00:11:10	0	0.0	0.00	0.0	
03/09/2025	00:11:40	0	0.0	0.00	0.0	
03/09/2025	00:12:10	0	0.0	0.00	0.0	
03/09/2025	00:12:40	0	0.0	0.00	0.0	
03/09/2025	00:13:10	0	0.0	0.00	0.0	
03/09/2025	00:13:40	0	0.0	0.00	0.0	
03/09/2025	00:14:10	0	0.0	0.00	0.0	
03/09/2025	00:14:40	0	0.0	0.00	0.0	
03/09/2025	00:15:10	0	0.0	0.00	0.0	
03/09/2025	00:15:40	0	0.0	0.00	0.0	
03/09/2025	00:16:10	0	0.0	0.00	0.0	
03/09/2025	00:16:40	0	0.0	0.00	0.0	
03/09/2025	00:17:10	0	0.0	0.00	0.0	
03/09/2025	00:17:40	0	0.0	0.00	0.0	
03/09/2025	00:18:10	0	0.0	0.00	0.0	
03/09/2025	00:18:40	0	0.0	0.00	0.0	
03/09/2025	00:19:10	0	0.0	0.00	0.0	
03/09/2025	00:19:40	0	0.0	0.00	0.0	
03/09/2025	00:20:10	0	0.0	0.00	0.0	
03/09/2025	00:20:40	0	0.0	0.00	0.0	
03/09/2025	00:21:10	0	0.0	0.00	0.0	
03/09/2025	00:21:40	0	0.0	0.00	0.0	
03/09/2025	00:22:10	0	0.0	0.00	0.0	
03/09/2025	00:22:40	0	0.0	0.00	0.0	
03/09/2025	00:23:10	0	0.0	0.00	0.0	
03/09/2025	00:23:40	0	0.0	0.00	0.0	

03/20/2026

Well		Field		Job Start	Customer	Job Number
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025	Expand Energy	A.1068795.01.25
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/09/2025	00:24:40	0	0.0	0.00	0.0	
03/09/2025	00:25:10	0	0.0	0.00	0.0	
03/09/2025	00:25:40	0	0.0	0.00	0.0	
03/09/2025	00:26:10	0	0.0	0.00	0.0	
03/09/2025	00:26:40	0	0.0	0.00	0.0	
03/09/2025	00:27:10	0	0.0	0.00	0.0	
03/09/2025	00:27:40	0	0.0	0.00	0.0	
03/09/2025	00:28:10	0	0.0	0.00	0.0	
03/09/2025	00:28:40	0	0.0	0.00	0.0	
03/09/2025	00:29:10	0	0.0	0.00	0.0	
03/09/2025	00:29:40	0	0.0	0.00	0.0	
03/09/2025	00:30:10	0	0.0	0.00	0.0	
03/09/2025	00:30:40	0	0.0	0.00	0.0	
03/09/2025	00:31:10	0	0.0	0.00	0.0	
03/09/2025	00:31:40	0	0.0	0.00	0.0	
03/09/2025	00:32:10	0	0.0	0.00	0.0	
03/09/2025	00:32:40	0	0.0	0.00	0.0	
03/09/2025	00:33:10	0	0.0	0.00	0.0	
03/09/2025	00:33:40	0	0.0	0.00	0.0	
03/09/2025	00:34:10	0	0.0	0.00	0.0	
03/09/2025	00:34:40	0	0.0	0.00	0.0	
03/09/2025	00:35:10	0	0.0	0.00	0.0	
03/09/2025	00:35:40	0	0.0	0.00	0.0	
03/09/2025	00:36:10	0	0.0	0.00	0.0	
03/09/2025	00:36:40	0	0.0	0.00	0.0	
03/09/2025	00:37:10	0	0.0	0.00	0.0	
03/09/2025	00:37:40	0	0.0	0.00	0.0	
03/09/2025	00:38:10	0	0.0	0.00	0.0	
03/09/2025	00:38:40	0	0.0	0.00	0.0	
03/09/2025	00:39:10	0	0.0	0.00	0.0	
03/09/2025	00:39:40	0	0.0	0.00	0.0	
03/09/2025	00:40:10	0	0.0	0.00	0.0	
03/09/2025	00:40:40	0	0.0	0.00	0.0	
03/09/2025	00:41:10	0	0.0	0.00	0.0	
03/09/2025	00:41:40	0	0.0	0.00	0.0	
03/09/2025	00:42:10	0	0.0	0.00	0.0	
03/09/2025	00:42:40	0	0.0	0.00	0.0	
03/09/2025	00:43:10	0	0.0	0.00	0.0	
03/09/2025	00:43:40	0	0.0	0.00	0.0	
03/09/2025	00:44:10	0	0.0	0.00	0.0	
03/09/2025	00:44:40	0	0.0	0.00	0.0	
03/09/2025	00:45:10	0	0.0	0.00	0.0	
03/09/2025	00:45:40	0	0.0	0.00	0.0	
03/09/2025	00:46:10	0	0.0	0.00	0.0	
03/09/2025	00:46:40	0	0.0	0.00	0.0	
03/09/2025	00:47:10	0	0.0	0.00	0.0	
03/09/2025	00:47:40	0	0.0	0.00	0.0	
03/09/2025	00:48:10	0	0.0	0.00	0.0	
03/09/2025	00:48:40	0	0.0	0.00	0.0	
03/09/2025	00:49:10	0	0.0	0.00	0.0	
03/09/2025	00:49:40	0	0.0	0.00	0.0	
03/09/2025	00:50:10	0	0.0	0.00	0.0	
03/09/2025	00:50:40	0	0.0	0.00	0.0	
03/09/2025	00:51:10	0	0.0	0.00	0.0	

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	00:52:40	0	0.0	0.00	0.0				
03/09/2025	00:53:10	0	0.0	0.00	0.0				
03/09/2025	00:53:40	0	0.0	0.00	0.0				
03/09/2025	00:54:10	0	0.0	0.00	0.0				
03/09/2025	00:54:40	0	0.0	0.00	0.0				
03/09/2025	00:55:10	0	0.0	0.00	0.0				
03/09/2025	00:55:40	0	0.0	0.00	0.0				
03/09/2025	00:56:10	0	0.0	0.00	0.0				
03/09/2025	00:56:40	0	0.0	0.00	0.0				
03/09/2025	00:57:10	0	0.0	0.00	0.0				
03/09/2025	00:57:40	0	0.0	0.00	0.0				
03/09/2025	00:58:40	0	0.0	0.00	0.0				
03/09/2025	00:59:10	0	0.0	0.00	0.0				
03/09/2025	00:59:40	0	0.0	0.00	0.0				
03/09/2025	01:00:10	0	0.0	0.00	0.0				
03/09/2025	01:00:40	0	0.0	0.00	0.0				
03/09/2025	01:01:10	0	0.0	0.00	0.0				
03/09/2025	01:01:40	0	0.0	0.00	0.0				
03/09/2025	01:02:10	0	0.0	0.00	0.0				
03/09/2025	01:02:40	0	0.0	0.00	0.0				
03/09/2025	01:03:10	0	0.0	0.00	0.0				
03/09/2025	01:03:40	0	0.0	0.00	0.0				
03/09/2025	01:04:10	0	0.0	0.00	0.0				
03/09/2025	01:04:40	0	0.0	0.00	0.0				
03/09/2025	01:05:10	0	0.0	0.00	0.0				
03/09/2025	01:05:40	0	0.0	0.00	0.0				
03/09/2025	01:06:10	0	0.0	0.00	0.0				
03/09/2025	01:06:40	0	0.0	0.00	0.0				
03/09/2025	01:07:10	0	0.0	0.00	0.0				
03/09/2025	01:07:40	0	0.0	0.00	0.0				
03/09/2025	01:08:10	0	0.0	0.00	0.0				
03/09/2025	01:08:40	0	0.0	0.00	0.0				
03/09/2025	01:09:10	0	0.0	0.00	0.0				
03/09/2025	01:09:40	0	0.0	0.00	0.0				
03/09/2025	01:10:10	0	0.0	0.00	0.0				
03/09/2025	01:10:40	0	0.0	0.00	0.0				
03/09/2025	01:11:10	0	0.0	0.00	0.0				
03/09/2025	01:11:40	0	0.0	0.00	0.0				
03/09/2025	01:12:10	0	0.0	0.00	0.0				
03/09/2025	01:12:40	0	0.0	0.00	0.0				
03/09/2025	01:13:10	0	0.0	0.00	0.0				
03/09/2025	01:13:40	0	0.0	0.00	0.0				
03/09/2025	01:14:10	0	0.0	0.00	0.0				
03/09/2025	01:14:40	0	0.0	0.00	0.0				
03/09/2025	01:15:10	0	0.0	0.00	0.0				
03/09/2025	01:15:40	0	0.0	0.00	0.0				
03/09/2025	01:16:10	0	0.0	0.00	0.0				
03/09/2025	01:16:40	0	0.0	0.00	0.0				
03/09/2025	01:17:10	0	0.0	0.00	0.0				
03/09/2025	01:17:40	0	0.0	0.00	0.0				
03/09/2025	01:18:10	0	0.0	0.00	0.0				
03/09/2025	01:18:40	0	0.0	0.00	0.0				
03/09/2025	01:19:10	0	0.0	0.00	0.0				
03/09/2025	01:19:40	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	01:20:40	0	0.0	0.00	0.0				
03/09/2025	01:21:00	0	0.0	0.00	0.0	load test lines			
03/09/2025	01:21:10	0	0.0	0.00	0.0				
03/09/2025	01:21:40	0	0.0	0.00	0.0				
03/09/2025	01:22:10	0	0.0	0.00	0.0				
03/09/2025	01:22:40	0	0.0	0.00	0.0				
03/09/2025	01:23:10	0	0.0	0.00	0.0				
03/09/2025	01:23:40	0	0.0	0.00	0.0				
03/09/2025	01:24:10	0	0.0	0.00	0.0				
03/09/2025	01:24:40	0	0.0	0.00	0.0				
03/09/2025	01:25:10	0	0.0	0.00	0.0				
03/09/2025	01:25:40	0	0.0	0.00	0.0				
03/09/2025	01:26:10	0	0.0	0.00	0.0				
03/09/2025	01:26:40	0	0.0	0.00	0.0				
03/09/2025	01:27:10	0	0.0	0.00	0.0				
03/09/2025	01:27:40	0	0.0	0.00	0.0				
03/09/2025	01:28:10	0	0.0	0.00	0.0				
03/09/2025	01:28:40	0	0.0	0.00	0.0				
03/09/2025	01:29:10	0	0.0	0.00	0.0				
03/09/2025	01:29:40	0	0.0	0.00	0.0				
03/09/2025	01:30:10	0	0.0	0.00	0.0				
03/09/2025	01:30:40	0	0.0	0.00	0.0				
03/09/2025	01:31:10	0	0.0	0.00	0.0				
03/09/2025	01:31:40	0	0.0	0.00	0.0				
03/09/2025	01:32:10	0	0.0	0.00	0.0				
03/09/2025	01:32:40	0	0.0	0.00	0.0				
03/09/2025	01:33:10	0	0.0	0.00	0.0				
03/09/2025	01:33:40	0	0.0	0.00	0.0				
03/09/2025	01:34:10	0	0.0	0.00	0.0				
03/09/2025	01:34:40	0	0.0	0.00	0.0				
03/09/2025	01:35:10	0	0.0	0.00	0.0				
03/09/2025	01:35:40	0	0.0	0.00	0.0				
03/09/2025	01:36:10	0	0.0	0.00	0.0				
03/09/2025	01:36:40	0	0.0	0.00	0.0				
03/09/2025	01:37:10	0	0.0	0.00	0.0				
03/09/2025	01:37:40	0	0.0	0.00	0.0				
03/09/2025	01:38:10	0	0.0	0.00	0.0				
03/09/2025	01:38:40	0	0.0	0.00	0.0				
03/09/2025	01:39:10	0	0.0	0.00	0.0				
03/09/2025	01:39:40	0	0.0	0.00	0.0				
03/09/2025	01:40:00	0	0.0	0.00	0.0	135bbl spacer 14.0ppg			
03/09/2025	01:40:10	0	0.0	0.00	0.0				
03/09/2025	01:40:40	0	0.0	0.00	0.0				
03/09/2025	01:41:10	0	0.0	0.00	0.0				
03/09/2025	01:41:40	0	0.0	0.00	0.0				
03/09/2025	01:42:10	0	0.0	0.00	0.0				
03/09/2025	01:42:40	0	0.0	0.00	0.0				
03/09/2025	01:43:10	0	0.0	0.00	0.0				
03/09/2025	01:43:40	0	0.0	0.00	0.0				
03/09/2025	01:44:10	0	0.0	0.00	0.0				
03/09/2025	01:44:40	0	0.0	0.00	0.0				
03/09/2025	01:45:10	0	0.0	0.00	0.0				
03/09/2025	01:45:40	0	0.0	0.00	0.0				
03/09/2025	01:46:10	0	0.0	0.00	0.0				



Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	01:47:10	0	0.0	0.00	0.0				
03/09/2025	01:47:40	0	0.0	0.00	0.0				
03/09/2025	01:48:10	0	0.0	0.00	0.0				
03/09/2025	01:48:40	0	0.0	0.00	0.0				
03/09/2025	01:49:40	0	0.0	0.00	0.0				
03/09/2025	01:50:10	0	0.0	0.00	0.0				
03/09/2025	01:50:40	0	0.0	0.00	0.0				
03/09/2025	01:51:10	0	0.0	0.00	0.0				
03/09/2025	01:51:40	0	0.0	0.00	0.0				
03/09/2025	01:52:10	0	0.0	0.00	0.0				
03/09/2025	01:52:40	0	0.0	0.00	0.0				
03/09/2025	01:53:10	0	0.0	0.00	0.0				
03/09/2025	01:53:40	0	0.0	0.00	0.0				
03/09/2025	01:54:10	0	0.0	0.00	0.0				
03/09/2025	01:54:40	0	0.0	0.00	0.0				
03/09/2025	01:55:10	0	0.0	0.00	0.0				
03/09/2025	01:56:10	0	0.0	0.00	0.0				
03/09/2025	01:56:40	0	0.0	0.00	0.0				
03/09/2025	01:57:10	0	0.0	0.00	0.0				
03/09/2025	01:57:40	0	0.0	0.00	0.0				
03/09/2025	01:58:10	0	0.0	0.00	0.0				
03/09/2025	01:58:40	0	0.0	0.00	0.0				
03/09/2025	01:59:10	0	0.0	0.00	0.0				
03/09/2025	01:59:40	0	0.0	0.00	0.0				
03/09/2025	03:00:00	0	0.0	0.00	0.0	872bbl tail cement 14.5pg 3767sks			
03/09/2025	03:00:10	0	0.0	0.00	0.0				
03/09/2025	03:00:40	0	0.0	0.00	0.0				
03/09/2025	03:01:10	0	0.0	0.00	0.0				
03/09/2025	03:01:40	0	0.0	0.00	0.0				
03/09/2025	03:02:10	0	0.0	0.00	0.0				
03/09/2025	03:02:40	0	0.0	0.00	0.0				
03/09/2025	03:03:10	0	0.0	0.00	0.0				
03/09/2025	03:03:40	0	0.0	0.00	0.0				
03/09/2025	03:04:10	0	0.0	0.00	0.0				
03/09/2025	03:04:40	0	0.0	0.00	0.0				
03/09/2025	03:05:10	0	0.0	0.00	0.0				
03/09/2025	03:05:40	0	0.0	0.00	0.0				
03/09/2025	03:06:10	0	0.0	0.00	0.0				
03/09/2025	03:06:40	0	0.0	0.00	0.0				
03/09/2025	03:07:10	0	0.0	0.00	0.0				
03/09/2025	03:07:40	0	0.0	0.00	0.0				
03/09/2025	03:08:10	0	0.0	0.00	0.0				
03/09/2025	03:08:40	0	0.0	0.00	0.0				
03/09/2025	03:09:10	0	0.0	0.00	0.0				
03/09/2025	03:09:40	0	0.0	0.00	0.0				
03/09/2025	03:10:10	0	0.0	0.00	0.0				
03/09/2025	03:10:40	0	0.0	0.00	0.0				
03/09/2025	03:11:10	0	0.0	0.00	0.0				
03/09/2025	03:11:40	0	0.0	0.00	0.0				
03/09/2025	03:12:10	0	0.0	0.00	0.0				
03/09/2025	03:12:40	0	0.0	0.00	0.0				
03/09/2025	03:13:10	0	0.0	0.00	0.0				
03/09/2025	03:13:40	0	0.0	0.00	0.0				
03/09/2025	03:14:10	0	0.0	0.00	0.0				

Well		Field		Job Start	Customer	Job Number
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025	Expand Energy	A.1068795.01.25
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/09/2025	03:15:10	0	0.0	0.00	0.0	
03/09/2025	03:15:40	0	0.0	0.00	0.0	
03/09/2025	03:16:10	0	0.0	0.00	0.0	
03/09/2025	03:16:40	0	0.0	0.00	0.0	
03/09/2025	03:17:10	0	0.0	0.00	0.0	
03/09/2025	03:17:40	0	0.0	0.00	0.0	
03/09/2025	03:18:10	0	0.0	0.00	0.0	
03/09/2025	03:18:40	0	0.0	0.00	0.0	
03/09/2025	03:19:10	0	0.0	0.00	0.0	
03/09/2025	03:19:40	0	0.0	0.00	0.0	
03/09/2025	03:20:10	0	0.0	0.00	0.0	
03/09/2025	03:20:40	0	0.0	0.00	0.0	
03/09/2025	03:21:10	0	0.0	0.00	0.0	
03/09/2025	03:21:40	0	0.0	0.00	0.0	
03/09/2025	03:22:10	0	0.0	0.00	0.0	
03/09/2025	03:22:40	0	0.0	0.00	0.0	
03/09/2025	03:23:10	0	0.0	0.00	0.0	
03/09/2025	03:23:40	0	0.0	0.00	0.0	
03/09/2025	03:24:10	0	0.0	0.00	0.0	
03/09/2025	03:24:40	0	0.0	0.00	0.0	
03/09/2025	03:25:10	0	0.0	0.00	0.0	
03/09/2025	03:25:40	0	0.0	0.00	0.0	
03/09/2025	03:26:10	0	0.0	0.00	0.0	
03/09/2025	03:26:40	0	0.0	0.00	0.0	
03/09/2025	03:27:10	0	0.0	0.00	0.0	
03/09/2025	03:27:40	0	0.0	0.00	0.0	
03/09/2025	03:28:10	0	0.0	0.00	0.0	
03/09/2025	03:28:40	0	0.0	0.00	0.0	
03/09/2025	03:29:10	0	0.0	0.00	0.0	
03/09/2025	03:29:40	0	0.0	0.00	0.0	
03/09/2025	03:30:10	0	0.0	0.00	0.0	
03/09/2025	03:30:40	0	0.0	0.00	0.0	
03/09/2025	03:31:10	0	0.0	0.00	0.0	
03/09/2025	03:31:40	0	0.0	0.00	0.0	
03/09/2025	03:32:10	0	0.0	0.00	0.0	
03/09/2025	03:32:40	0	0.0	0.00	0.0	
03/09/2025	03:33:10	0	0.0	0.00	0.0	
03/09/2025	03:33:40	0	0.0	0.00	0.0	
03/09/2025	03:34:10	0	0.0	0.00	0.0	
03/09/2025	03:34:40	0	0.0	0.00	0.0	
03/09/2025	03:35:10	0	0.0	0.00	0.0	
03/09/2025	03:35:40	0	0.0	0.00	0.0	
03/09/2025	03:36:10	0	0.0	0.00	0.0	
03/09/2025	03:36:40	0	0.0	0.00	0.0	
03/09/2025	03:37:10	0	0.0	0.00	0.0	
03/09/2025	03:37:40	0	0.0	0.00	0.0	
03/09/2025	03:38:10	0	0.0	0.00	0.0	
03/09/2025	03:38:40	0	0.0	0.00	0.0	
03/09/2025	03:39:10	0	0.0	0.00	0.0	
03/09/2025	03:39:40	0	0.0	0.00	0.0	
03/09/2025	03:40:10	0	0.0	0.00	0.0	
03/09/2025	03:40:40	0	0.0	0.00	0.0	
03/09/2025	03:41:10	0	0.0	0.00	0.0	
03/09/2025	03:41:40	0	0.0	0.00	0.0	

Well		Field		Job Start	Customer		Job Number
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025	Expand Energy		A.1068795.01.25
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
03/09/2025	03:42:40	0	0.0	0.00	0.0		
03/09/2025	03:43:10	0	0.0	0.00	0.0		
03/09/2025	03:43:40	0	0.0	0.00	0.0		
03/09/2025	03:44:10	0	0.0	0.00	0.0		
03/09/2025	03:44:40	0	0.0	0.00	0.0		
03/09/2025	03:45:10	0	0.0	0.00	0.0		
03/09/2025	03:45:40	0	0.0	0.00	0.0		
03/09/2025	03:46:10	0	0.0	0.00	0.0		
03/09/2025	03:47:10	0	0.0	0.00	0.0		
03/09/2025	03:47:40	0	0.0	0.00	0.0		
03/09/2025	03:48:10	0	0.0	0.00	0.0		
03/09/2025	03:48:40	0	0.0	0.00	0.0		
03/09/2025	03:49:10	0	0.0	0.00	0.0		
03/09/2025	03:49:40	0	0.0	0.00	0.0		
03/09/2025	03:50:10	0	0.0	0.00	0.0		
03/09/2025	03:50:40	0	0.0	0.00	0.0		
03/09/2025	03:51:10	0	0.0	0.00	0.0		
03/09/2025	03:51:40	0	0.0	0.00	0.0		
03/09/2025	03:52:10	0	0.0	0.00	0.0		
03/09/2025	03:52:40	0	0.0	0.00	0.0		
03/09/2025	03:53:40	0	0.0	0.00	0.0		
03/09/2025	03:54:10	0	0.0	0.00	0.0		
03/09/2025	03:54:40	0	0.0	0.00	0.0		
03/09/2025	03:55:10	0	0.0	0.00	0.0		
03/09/2025	03:55:40	0	0.0	0.00	0.0		
03/09/2025	03:56:10	0	0.0	0.00	0.0		
03/09/2025	03:56:40	0	0.0	0.00	0.0		
03/09/2025	03:57:10	0	0.0	0.00	0.0		
03/09/2025	03:57:40	0	0.0	0.00	0.0		
03/09/2025	03:58:10	0	0.0	0.00	0.0		
03/09/2025	03:58:40	0	0.0	0.00	0.0		
03/09/2025	03:59:10	0	0.0	0.00	0.0		
03/09/2025	03:59:40	0	0.0	0.00	0.0		
03/09/2025	04:00:10	0	0.0	0.00	0.0		
03/09/2025	04:00:40	0	0.0	0.00	0.0		
03/09/2025	04:01:10	0	0.0	0.00	0.0		
03/09/2025	04:01:40	0	0.0	0.00	0.0		
03/09/2025	04:02:10	0	0.0	0.00	0.0		
03/09/2025	04:02:40	0	0.0	0.00	0.0		
03/09/2025	04:03:10	0	0.0	0.00	0.0		
03/09/2025	04:03:40	0	0.0	0.00	0.0		
03/09/2025	04:04:10	0	0.0	0.00	0.0		
03/09/2025	04:04:40	0	0.0	0.00	0.0		
03/09/2025	04:05:10	0	0.0	0.00	0.0		
03/09/2025	04:05:40	0	0.0	0.00	0.0		
03/09/2025	04:06:10	0	0.0	0.00	0.0		
03/09/2025	04:06:40	0	0.0	0.00	0.0		
03/09/2025	04:07:10	0	0.0	0.00	0.0		
03/09/2025	04:07:40	0	0.0	0.00	0.0		
03/09/2025	04:08:10	0	0.0	0.00	0.0		
03/09/2025	04:08:40	0	0.0	0.00	0.0		
03/09/2025	04:09:10	0	0.0	0.00	0.0		
03/09/2025	04:09:40	0	0.0	0.00	0.0		
03/09/2025	04:10:10	0	0.0	0.00	0.0		

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	04:11:10	0	0.0	0.00	0.0				
03/09/2025	04:11:40	0	0.0	0.00	0.0				
03/09/2025	04:12:10	0	0.0	0.00	0.0				
03/09/2025	04:12:40	0	0.0	0.00	0.0				
03/09/2025	04:13:10	0	0.0	0.00	0.0				
03/09/2025	04:13:40	0	0.0	0.00	0.0				
03/09/2025	04:14:10	0	0.0	0.00	0.0				
03/09/2025	04:14:40	0	0.0	0.00	0.0				
03/09/2025	04:15:10	0	0.0	0.00	0.0				
03/09/2025	04:15:40	0	0.0	0.00	0.0				
03/09/2025	04:16:10	0	0.0	0.00	0.0				
03/09/2025	04:16:40	0	0.0	0.00	0.0				
03/09/2025	04:17:10	0	0.0	0.00	0.0				
03/09/2025	04:17:40	0	0.0	0.00	0.0				
03/09/2025	04:18:10	0	0.0	0.00	0.0				
03/09/2025	04:18:40	0	0.0	0.00	0.0				
03/09/2025	04:19:10	0	0.0	0.00	0.0				
03/09/2025	04:19:40	0	0.0	0.00	0.0				
03/09/2025	04:20:10	0	0.0	0.00	0.0				
03/09/2025	04:20:40	0	0.0	0.00	0.0				
03/09/2025	04:21:10	0	0.0	0.00	0.0				
03/09/2025	04:21:40	0	0.0	0.00	0.0				
03/09/2025	04:22:10	0	0.0	0.00	0.0				
03/09/2025	04:22:40	0	0.0	0.00	0.0				
03/09/2025	04:23:10	0	0.0	0.00	0.0				
03/09/2025	04:23:40	0	0.0	0.00	0.0				
03/09/2025	04:24:10	0	0.0	0.00	0.0				
03/09/2025	04:24:40	0	0.0	0.00	0.0				
03/09/2025	04:25:10	0	0.0	0.00	0.0				
03/09/2025	04:25:40	0	0.0	0.00	0.0				
03/09/2025	04:26:10	0	0.0	0.00	0.0				
03/09/2025	04:26:40	0	0.0	0.00	0.0				
03/09/2025	04:27:10	0	0.0	0.00	0.0				
03/09/2025	04:27:40	0	0.0	0.00	0.0				
03/09/2025	04:28:10	0	0.0	0.00	0.0				
03/09/2025	04:28:40	0	0.0	0.00	0.0				
03/09/2025	04:29:10	0	0.0	0.00	0.0				
03/09/2025	04:29:40	0	0.0	0.00	0.0				
03/09/2025	04:30:10	0	0.0	0.00	0.0				
03/09/2025	04:30:40	0	0.0	0.00	0.0				
03/09/2025	04:31:10	0	0.0	0.00	0.0				
03/09/2025	04:31:40	0	0.0	0.00	0.0				
03/09/2025	04:32:10	0	0.0	0.00	0.0				
03/09/2025	04:32:40	0	0.0	0.00	0.0				
03/09/2025	04:33:10	0	0.0	0.00	0.0				
03/09/2025	04:33:40	0	0.0	0.00	0.0				
03/09/2025	04:34:10	0	0.0	0.00	0.0				
03/09/2025	04:34:40	0	0.0	0.00	0.0				
03/09/2025	04:35:10	0	0.0	0.00	0.0				
03/09/2025	04:35:40	0	0.0	0.00	0.0				
03/09/2025	04:36:10	0	0.0	0.00	0.0				
03/09/2025	04:36:40	0	0.0	0.00	0.0				
03/09/2025	04:37:10	0	0.0	0.00	0.0				
03/09/2025	04:37:40	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	04:38:40	0	0.0	0.00	0.0				
03/09/2025	04:39:10	0	0.0	0.00	0.0				
03/09/2025	04:39:40	0	0.0	0.00	0.0				
03/09/2025	04:40:10	0	0.0	0.00	0.0				
03/09/2025	04:40:40	0	0.0	0.00	0.0				
03/09/2025	04:41:10	0	0.0	0.00	0.0				
03/09/2025	04:41:40	0	0.0	0.00	0.0				
03/09/2025	04:42:10	0	0.0	0.00	0.0				
03/09/2025	04:42:40	0	0.0	0.00	0.0				
03/09/2025	04:43:10	0	0.0	0.00	0.0				
03/09/2025	04:43:40	0	0.0	0.00	0.0				
03/09/2025	04:44:40	0	0.0	0.00	0.0				
03/09/2025	04:45:10	0	0.0	0.00	0.0				
03/09/2025	04:45:40	0	0.0	0.00	0.0				
03/09/2025	04:46:10	0	0.0	0.00	0.0				
03/09/2025	04:46:40	0	0.0	0.00	0.0				
03/09/2025	04:47:10	0	0.0	0.00	0.0				
03/09/2025	04:47:40	0	0.0	0.00	0.0				
03/09/2025	04:48:10	0	0.0	0.00	0.0				
03/09/2025	04:48:40	0	0.0	0.00	0.0				
03/09/2025	04:49:10	0	0.0	0.00	0.0				
03/09/2025	04:49:40	0	0.0	0.00	0.0				
03/09/2025	04:50:10	0	0.0	0.00	0.0				
03/09/2025	04:51:10	0	0.0	0.00	0.0				
03/09/2025	04:51:40	0	0.0	0.00	0.0				
03/09/2025	04:52:10	0	0.0	0.00	0.0				
03/09/2025	04:52:40	0	0.0	0.00	0.0				
03/09/2025	04:53:10	0	0.0	0.00	0.0				
03/09/2025	04:53:40	0	0.0	0.00	0.0				
03/09/2025	04:54:10	0	0.0	0.00	0.0				
03/09/2025	04:54:40	0	0.0	0.00	0.0				
03/09/2025	04:55:10	0	0.0	0.00	0.0				
03/09/2025	04:55:40	0	0.0	0.00	0.0				
03/09/2025	04:56:10	0	0.0	0.00	0.0				
03/09/2025	04:56:40	0	0.0	0.00	0.0				
03/09/2025	04:57:10	0	0.0	0.00	0.0				
03/09/2025	04:57:40	0	0.0	0.00	0.0				
03/09/2025	04:58:10	0	0.0	0.00	0.0				
03/09/2025	04:58:40	0	0.0	0.00	0.0				
03/09/2025	04:59:10	0	0.0	0.00	0.0				
03/09/2025	04:59:40	0	0.0	0.00	0.0				
03/09/2025	05:00:10	0	0.0	0.00	0.0				
03/09/2025	05:00:40	0	0.0	0.00	0.0				
03/09/2025	05:01:10	0	0.0	0.00	0.0				
03/09/2025	05:01:40	0	0.0	0.00	0.0				
03/09/2025	05:02:10	0	0.0	0.00	0.0				
03/09/2025	05:02:40	0	0.0	0.00	0.0				
03/09/2025	05:03:10	0	0.0	0.00	0.0				
03/09/2025	05:03:40	0	0.0	0.00	0.0				
03/09/2025	05:04:10	0	0.0	0.00	0.0				
03/09/2025	05:04:40	0	0.0	0.00	0.0				
03/09/2025	05:05:10	0	0.0	0.00	0.0				
03/09/2025	05:05:40	0	0.0	0.00	0.0				
03/09/2025	05:06:10	0	0.0	0.00	0.0				

03/20/2026

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PST	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	05:07:10	0	0.0	0.00	0.0				
03/09/2025	05:07:40	0	0.0	0.00	0.0				
03/09/2025	05:08:10	0	0.0	0.00	0.0				
03/09/2025	05:08:40	0	0.0	0.00	0.0				
03/09/2025	05:09:10	0	0.0	0.00	0.0				
03/09/2025	05:09:40	0	0.0	0.00	0.0				
03/09/2025	05:10:10	0	0.0	0.00	0.0				
03/09/2025	05:10:40	0	0.0	0.00	0.0				
03/09/2025	05:11:10	0	0.0	0.00	0.0				
03/09/2025	05:11:40	0	0.0	0.00	0.0				
03/09/2025	05:12:10	0	0.0	0.00	0.0				
03/09/2025	05:12:40	0	0.0	0.00	0.0				
03/09/2025	05:13:00	0	0.0	0.00	0.0	wash lines			
03/09/2025	05:13:10	0	0.0	0.00	0.0				
03/09/2025	05:13:40	0	0.0	0.00	0.0				
03/09/2025	05:14:10	0	0.0	0.00	0.0				
03/09/2025	05:14:40	0	0.0	0.00	0.0				
03/09/2025	05:15:10	0	0.0	0.00	0.0				
03/09/2025	05:15:40	0	0.0	0.00	0.0				
03/09/2025	05:16:10	0	0.0	0.00	0.0				
03/09/2025	05:16:40	0	0.0	0.00	0.0				
03/09/2025	05:17:10	0	0.0	0.00	0.0				
03/09/2025	05:17:40	0	0.0	0.00	0.0				
03/09/2025	05:18:10	0	0.0	0.00	0.0				
03/09/2025	05:18:40	0	0.0	0.00	0.0				
03/09/2025	05:19:10	0	0.0	0.00	0.0				
03/09/2025	05:19:40	0	0.0	0.00	0.0				
03/09/2025	05:20:10	0	0.0	0.00	0.0				
03/09/2025	05:20:40	0	0.0	0.00	0.0				
03/09/2025	05:21:10	0	0.0	0.00	0.0				
03/09/2025	05:21:40	0	0.0	0.00	0.0				
03/09/2025	05:22:10	0	0.0	0.00	0.0				
03/09/2025	05:22:40	0	0.0	0.00	0.0				
03/09/2025	05:23:10	0	0.0	0.00	0.0				
03/09/2025	05:23:40	0	0.0	0.00	0.0				
03/09/2025	05:24:10	0	0.0	0.00	0.0				
03/09/2025	05:24:40	0	0.0	0.00	0.0				
03/09/2025	05:25:00	0	0.0	0.00	0.0	release top plug			
03/09/2025	05:25:10	0	0.0	0.00	0.0				
03/09/2025	05:25:40	0	0.0	0.00	0.0				
03/09/2025	05:26:00	0	0.0	0.00	0.0	displace 465bbl treated m300/1064 water			
03/09/2025	05:26:10	0	0.0	0.00	0.0				
03/09/2025	05:26:40	0	0.0	0.00	0.0				
03/09/2025	05:27:10	0	0.0	0.00	0.0				
03/09/2025	05:27:40	0	0.0	0.00	0.0				
03/09/2025	05:28:10	0	0.0	0.00	0.0				
03/09/2025	05:28:40	0	0.0	0.00	0.0				
03/09/2025	05:29:10	0	0.0	0.00	0.0				
03/09/2025	05:29:40	0	0.0	0.00	0.0				
03/09/2025	05:30:10	0	0.0	0.00	0.0				
03/09/2025	05:30:40	0	0.0	0.00	0.0				
03/09/2025	05:31:10	0	0.0	0.00	0.0				
03/09/2025	05:31:40	0	0.0	0.00	0.0				
03/09/2025	05:32:10	0	0.0	0.00	0.0				

Well		Field		Job Start	Customer	Job Number
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025	Expand Energy	A.1068795.01.25
Date	Time 24-hr clock	Treating Pressure PST	Flow Rate B/M	Density LB/G	Volume BBL	Message
03/09/2025	05:33:10	0	0.0	0.00	0.0	
03/09/2025	05:33:40	0	0.0	0.00	0.0	
03/09/2025	05:34:10	0	0.0	0.00	0.0	
03/09/2025	05:34:40	0	0.0	0.00	0.0	
03/09/2025	05:35:10	0	0.0	0.00	0.0	
03/09/2025	05:35:40	0	0.0	0.00	0.0	
03/09/2025	05:36:10	0	0.0	0.00	0.0	
03/09/2025	05:36:40	0	0.0	0.00	0.0	
03/09/2025	05:37:10	0	0.0	0.00	0.0	
03/09/2025	05:37:40	0	0.0	0.00	0.0	
03/09/2025	05:38:10	0	0.0	0.00	0.0	
03/09/2025	05:38:40	0	0.0	0.00	0.0	
03/09/2025	05:39:10	0	0.0	0.00	0.0	
03/09/2025	05:39:40	0	0.0	0.00	0.0	
03/09/2025	05:40:10	0	0.0	0.00	0.0	
03/09/2025	05:40:40	0	0.0	0.00	0.0	
03/09/2025	05:41:10	0	0.0	0.00	0.0	
03/09/2025	05:41:40	0	0.0	0.00	0.0	
03/09/2025	05:42:10	0	0.0	0.00	0.0	
03/09/2025	05:42:40	0	0.0	0.00	0.0	
03/09/2025	05:43:10	0	0.0	0.00	0.0	
03/09/2025	05:43:40	0	0.0	0.00	0.0	
03/09/2025	05:44:10	0	0.0	0.00	0.0	
03/09/2025	05:44:40	0	0.0	0.00	0.0	
03/09/2025	05:45:10	0	0.0	0.00	0.0	
03/09/2025	05:45:40	0	0.0	0.00	0.0	
03/09/2025	05:46:10	0	0.0	0.00	0.0	
03/09/2025	05:46:40	0	0.0	0.00	0.0	
03/09/2025	05:47:10	0	0.0	0.00	0.0	
03/09/2025	05:47:40	0	0.0	0.00	0.0	
03/09/2025	05:48:40	0	0.0	0.00	0.0	
03/09/2025	05:49:10	0	0.0	0.00	0.0	
03/09/2025	05:49:40	0	0.0	0.00	0.0	
03/09/2025	05:50:10	0	0.0	0.00	0.0	
03/09/2025	05:50:40	0	0.0	0.00	0.0	
03/09/2025	05:51:10	0	0.0	0.00	0.0	
03/09/2025	05:51:40	0	0.0	0.00	0.0	
03/09/2025	05:52:10	0	0.0	0.00	0.0	
03/09/2025	05:52:40	0	0.0	0.00	0.0	
03/09/2025	05:53:10	0	0.0	0.00	0.0	
03/09/2025	05:53:40	0	0.0	0.00	0.0	
03/09/2025	05:54:10	0	0.0	0.00	0.0	
03/09/2025	05:54:40	0	0.0	0.00	0.0	
03/09/2025	05:55:10	0	0.0	0.00	0.0	
03/09/2025	05:55:40	0	0.0	0.00	0.0	
03/09/2025	05:56:10	0	0.0	0.00	0.0	
03/09/2025	05:56:40	0	0.0	0.00	0.0	
03/09/2025	05:57:10	0	0.0	0.00	0.0	
03/09/2025	05:57:40	0	0.0	0.00	0.0	
03/09/2025	05:58:10	0	0.0	0.00	0.0	
03/09/2025	05:58:40	0	0.0	0.00	0.0	
03/09/2025	05:59:10	0	0.0	0.00	0.0	
03/09/2025	05:59:40	0	0.0	0.00	0.0	
03/09/2025	06:00:10	0	0.0	0.00	0.0	

Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	06:01:10	0	0.0	0.00	0.0				
03/09/2025	06:01:40	0	0.0	0.00	0.0				
03/09/2025	06:02:10	0	0.0	0.00	0.0				
03/09/2025	06:02:40	0	0.0	0.00	0.0				
03/09/2025	06:03:10	0	0.0	0.00	0.0				
03/09/2025	06:03:40	0	0.0	0.00	0.0				
03/09/2025	06:04:10	0	0.0	0.00	0.0				
03/09/2025	06:04:40	0	0.0	0.00	0.0				
03/09/2025	06:05:10	0	0.0	0.00	0.0				
03/09/2025	06:05:40	0	0.0	0.00	0.0				
03/09/2025	06:06:10	0	0.0	0.00	0.0				
03/09/2025	06:06:40	0	0.0	0.00	0.0				
03/09/2025	06:07:10	0	0.0	0.00	0.0				
03/09/2025	06:07:40	0	0.0	0.00	0.0				
03/09/2025	06:08:10	0	0.0	0.00	0.0				
03/09/2025	06:08:40	0	0.0	0.00	0.0				
03/09/2025	06:09:10	0	0.0	0.00	0.0				
03/09/2025	06:09:40	0	0.0	0.00	0.0				
03/09/2025	06:10:10	0	0.0	0.00	0.0				
03/09/2025	06:10:40	0	0.0	0.00	0.0				
03/09/2025	06:11:10	0	0.0	0.00	0.0				
03/09/2025	06:11:40	0	0.0	0.00	0.0				
03/09/2025	06:12:10	0	0.0	0.00	0.0				
03/09/2025	06:12:40	0	0.0	0.00	0.0				
03/09/2025	06:13:10	0	0.0	0.00	0.0				
03/09/2025	06:13:40	0	0.0	0.00	0.0				
03/09/2025	06:14:10	0	0.0	0.00	0.0				
03/09/2025	06:14:40	0	0.0	0.00	0.0				
03/09/2025	06:15:10	0	0.0	0.00	0.0				
03/09/2025	06:15:40	0	0.0	0.00	0.0				
03/09/2025	06:16:10	0	0.0	0.00	0.0				
03/09/2025	06:16:40	0	0.0	0.00	0.0				
03/09/2025	06:17:10	0	0.0	0.00	0.0				
03/09/2025	06:17:40	0	0.0	0.00	0.0				
03/09/2025	06:18:10	0	0.0	0.00	0.0				
03/09/2025	06:18:40	0	0.0	0.00	0.0				
03/09/2025	06:19:10	0	0.0	0.00	0.0				
03/09/2025	06:19:40	0	0.0	0.00	0.0				
03/09/2025	06:20:10	0	0.0	0.00	0.0				
03/09/2025	06:20:40	0	0.0	0.00	0.0				
03/09/2025	06:21:10	0	0.0	0.00	0.0				
03/09/2025	06:21:40	0	0.0	0.00	0.0				
03/09/2025	06:22:10	0	0.0	0.00	0.0				
03/09/2025	06:22:40	0	0.0	0.00	0.0				
03/09/2025	06:23:10	0	0.0	0.00	0.0				
03/09/2025	06:23:40	0	0.0	0.00	0.0				
03/09/2025	06:24:10	0	0.0	0.00	0.0				
03/09/2025	06:24:40	0	0.0	0.00	0.0				
03/09/2025	06:25:10	0	0.0	0.00	0.0				
03/09/2025	06:25:40	0	0.0	0.00	0.0				
03/09/2025	06:26:10	0	0.0	0.00	0.0				
03/09/2025	06:26:40	0	0.0	0.00	0.0				
03/09/2025	06:27:10	0	0.0	0.00	0.0				
03/09/2025	06:27:40	0	0.0	0.00	0.0				

03/20/2026



Well		Field		Job Start		Customer		Job Number	
Michael Southworth 6H 6H		Marshall Console		Mar/08/2025		Expand Energy		A.1068795.01.25	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
03/09/2025	06:28:10	0	0.0	0.00	0.0				
03/09/2025	06:28:40	0	0.0	0.00	0.0				
03/09/2025	06:29:00	0	0.0	0.00	0.0	land plug @ 3100			
03/09/2025	06:29:10	0	0.0	0.00	0.0				
03/09/2025	06:29:40	0	0.0	0.00	0.0				
03/09/2025	06:30:10	0	0.0	0.00	0.0				
03/09/2025	06:30:40	0	0.0	0.00	0.0				
03/09/2025	06:31:10	0	0.0	0.00	0.0				
03/09/2025	06:31:40	0	0.0	0.00	0.0				
03/09/2025	06:32:10	0	0.0	0.00	0.0				
03/09/2025	06:32:40	0	0.0	0.00	0.0				
03/09/2025	06:33:10	0	0.0	0.00	0.0				
03/09/2025	06:33:40	0	0.0	0.00	0.0				
03/09/2025	06:34:10	0	0.0	0.00	0.0				
03/09/2025	06:34:40	0	0.0	0.00	0.0				
03/09/2025	06:35:00	0	0.0	0.00	0.0	5bbl back floats hold			
03/09/2025	06:35:10	0	0.0	0.00	0.0				
03/09/2025	06:35:40	0	0.0	0.00	0.0				
03/09/2025	06:36:10	0	0.0	0.00	0.0				
03/09/2025	06:36:40	0	0.0	0.00	0.0				
03/09/2025	06:37:10	0	0.0	0.00	0.0				
03/09/2025	06:37:40	0	0.0	0.00	0.0				
03/09/2025	06:38:10	0	0.0	0.00	0.0				
03/09/2025	06:38:40	0	0.0	0.00	0.0				
03/09/2025	06:39:10	0	0.0	0.00	0.0				
03/09/2025	06:39:40	0	0.0	0.00	0.0				
03/09/2025	06:40:00	0	0.0	0.00	0.0	wash rig lines			
03/09/2025	06:40:10	0	0.0	0.00	0.0				
03/09/2025	06:40:15	0	0.0	0.00	0.0	end pumping @			
03/09/2025	06:40:30	0	0.0	0.00	0.0	end job @			
03/09/2025	06:40:40	0	0.0	0.00	0.0				
03/09/2025	06:41:10	0	0.0	0.00	0.0				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
			0.0		872.0	0.0	135.0	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
0	0		3100			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
%	872.0 bbl		465.0 bbl	65 degF	<input checked="" type="checkbox"/>	bbl		
Customer or Authorized Representative					Circulation Lost		Job Completed	
Schlumberger Supervisor Danny Cover					-		<input checked="" type="checkbox"/>	

03/20/2026



Frac Staging

Stage	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Date	8/4/2025	8/4/2025	8/4/2025	8/5/2025	8/5/2025	8/6/2025	8/7/2025	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	8/11/2025
Top Perf (ft)	16,845	16,844	16,843	16,212	16,001	15,780	15,579	15,387	15,156	14,945	14,734	14,523	14,312	14,101	13,890	13,679	13,468	13,256	13,045	12,834
Bottom Perf (ft)	17,023	16,812	16,601	16,390	16,179	15,968	15,756	15,545	15,334	15,123	14,912	14,701	14,490	14,279	14,068	13,857	13,645	13,434	13,223	13,012
Number of Perf Holes	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
Perf Hole ID (in)	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
TVD (ft)	6,538	6,534	6,532	6,530	6,528	6,527	6,525	6,523	6,521	6,518	6,516	6,513	6,510	6,507	6,504	6,500	6,495	6,489	6,486	6,483
Capacity to Top Perf (bbls)	374	369	365	360	355	350	346	341	336	332	327	322	318	313	308	304	299	294	290	285
Capacity to Bottom Perf (bbls)	378	373	368	364	359	354	350	345	340	336	331	326	322	317	312	308	303	298	293	289
Survey (Inclination)	16,934	16,723	16,512	16,301	16,090	15,879	15,668	15,456	15,245	15,034	14,823	14,612	14,401	14,190	13,979	13,768	13,557	13,345	13,134	12,923
Mid-Perf (MD)	8/12/25 19.13	8/12/25 7.48	8/12/25 12.31	8/12/25 22.48	8/12/25 7.24	8/12/25 0.56	8/12/25 11.33	8/12/25 19.43	8/12/25 4.31	8/12/25 16.04	8/12/25 0.20	8/12/25 8.46	8/12/25 17.10	8/12/25 3.38	8/12/25 11.44	8/12/25 20.54	8/12/25 8.31	8/12/25 16.37	8/12/25 5.58	8/12/25 13.36
Pump Down Start Time	9:27:5	9:28:1	9:28:3	9:28:5	9:29:1	9:29:3	9:29:5	9:30:1	9:30:3	9:30:5	9:31:1	9:31:3	9:31:5	9:32:1	9:32:3	9:32:5	9:33:1	9:33:3	9:33:5	9:34:1
Pump Down Stop Time	9:45:9	9:46:1	9:46:3	9:46:5	9:47:1	9:47:3	9:47:5	9:48:1	9:48:3	9:48:5	9:49:1	9:49:3	9:49:5	9:50:1	9:50:3	9:50:5	9:51:1	9:51:3	9:51:5	9:52:1
Pumpdown Total Time	10:04:1	10:34:3	10:06:3	10:17:9	10:13:3	10:14:4	10:14:5	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0	10:20:0
Slurry Volume (bbls)	222,440	228,360	232,030	231,720	233,080	230,990	231,400	230,140	233,650	231,880	231,610	225,000	219,170	222,110	219,400	224,430	224,540	225,460	225,780	221,730
100 Mesh (lbs)	307,770	318,940	305,630	315,640	313,240	309,470	307,690	312,620	311,020	307,110	311,900	306,300	309,610	311,170	314,340	312,880	312,260	289,020	312,240	309,640
Total Prop from Skin Int Prop Table (lbs)	530,210	547,700	527,660	535,360	536,320	530,460	529,090	532,760	534,680	533,510	531,720	531,720	528,780	533,290	533,740	537,310	536,800	494,480	536,020	531,770
Total Prop from Slime/Stage Table (lbs)	530,210	547,700	527,660	535,360	536,320	530,460	529,090	532,760	534,680	533,510	531,720	531,720	528,780	533,290	533,740	537,310	536,800	494,480	536,020	531,770
Avg Rate (bbls/min)	8,691	8,436	8,594	8,758	7,469	8,591	8,589	8,493	8,442	8,570	8,325	8,368	8,383	8,331	7,908	8,386	8,084	8,289	8,327	7,893
Max Rate (bpm)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Max Pressure (psf)	9,044	8,742	8,922	9,067	8,629	8,923	8,937	8,963	8,762	8,984	8,750	8,752	8,664	8,678	8,273	8,930	8,415	8,786	8,362	8,627
Break Pressure (psf)	6,010	4,995	6,498	6,623	5,298	6,198	7,272	6,398	6,318	6,549	6,347	5,615	6,277	6,206	5,180	5,839	5,252	6,435	6,405	5,373
ISIP (psf)	5,272	5,661	5,121	4,998	5,287	5,124	5,301	5,223	3,827	4,894	4,822	4,894	5,142	4,804	5,189	5,028	4,905	5,124	6,282	5,422
FG (psf/ft)	1.24	1.30	1.22	1.20	1.25	1.22	1.25	1.24	1.24	1.19	1.18	1.19	1.22	1.27	1.23	1.24	1.19	1.22	1.40	1.27
Bioside (gal)	54	56	54	55	55	55	56	56	54	54	54	54	54	55	54	55	54	54	55	53
Corrosion Inhibitor (lbs)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Friction Reducer (gal)	8,714	8,316	8,824	9,423	7,861	8,554	8,096	8,897	7,896	7,451	7,497	8,535	7,789	6,983	7,410	8,374	8,489	7,167	6,747	6,552
HCL 15% (gal)	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
Scale Inhibitor (gal)	36	37	36	37	37	37	37	37	37	37	37	36	36	37	36	36	36	36	34	36
Breaker																				
Average Density (SG)																				
Average of pH																				
Average of Conductivity																				
Average of Calcium																				
Average of Magnesium																				
Average of Chlorides																				
Average of Iron																				
Average of Temp pH																				
Average of Sulfide																				
Fluid Density (lb/gal)																				
Frac																				
Pumpedown																				
HCL 15%																				
HCL 7.5%																				
Difference																				
Frac																				
TD																				
HCL																				



Wellbore Name	Operator	Division	Pad	Stage	60	61	62	63	64	65	66	67	68	Total/Avg
<b>Fracturing</b>														
Fracturing				8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025	8/21/2025
Top Perf (ft)	8,001	8,190	7,979	7,668	7,557	7,845	7,184	5,923	6,712	6,712	6,712	6,712	6,712	6,712
Bottom Perf (ft)	8,379	8,556	8,157	7,946	7,735	7,523	7,312	7,101	6,890	6,890	6,890	6,890	6,890	6,890
Number of Perf Holes	36	36	36	36	36	36	36	36	36	36	36	36	36	36
Perf Hole ID (ft)	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
TVD (ft)	6,422	6,416	6,411	6,407	6,405	6,404	6,404	6,403	6,393	6,393	6,393	6,393	6,393	6,393
Capacity to Top Perf (bbls)	186	182	177	172	168	163	158	154	149	149	149	149	149	149
Capacity to Bottom Perf (bbls)	190	184	181	176	172	167	162	158	154	154	154	154	154	154
<b>Survey (Indications)</b>														
Mid-Perf (MD)	8,190	8,248	8,068	7,857	7,646	7,434	7,223	7,012	6,801	6,801	6,801	6,801	6,801	6,801
Pump Down Start Time	8/20/25 0:53	8/21/25 0:53	8/21/25 1:43	8/21/25 2:32	8/21/25 3:21	8/21/25 4:10	8/21/25 5:00	8/21/25 5:50	8/21/25 6:40	8/21/25 7:30	8/21/25 8:20	8/21/25 9:10	8/21/25 10:00	8/21/25 10:50
Pump Down Stop Time	8/20/25 1:00	8/21/25 1:00	8/21/25 1:41	8/21/25 2:30	8/21/25 3:19	8/21/25 4:08	8/21/25 4:58	8/21/25 5:48	8/21/25 6:38	8/21/25 7:28	8/21/25 8:18	8/21/25 9:08	8/21/25 9:58	8/21/25 10:48
Pumpdown Total Time	0:17	0:17	0:17	0:15	0:15	0:15	0:15	0:15	0:15	0:15	0:15	0:15	0:15	0:15
Stage Start Time	8/20/25 3:30	8/21/25 3:15	8/21/25 3:42	8/21/25 4:10	8/21/25 4:38	8/21/25 5:06	8/21/25 5:34	8/21/25 6:02	8/21/25 6:30	8/21/25 6:58	8/21/25 7:26	8/21/25 7:54	8/21/25 8:22	8/21/25 8:50
Stage Stop Time	8/21/25 7:57	8/21/25 18:13	8/21/25 14:42	8/21/25 15:42	8/21/25 16:42	8/21/25 17:42	8/21/25 18:42	8/21/25 19:42	8/21/25 20:42	8/21/25 21:42	8/21/25 22:42	8/21/25 23:42	8/21/25 24:42	8/21/25 25:42
Total Stage Time (Hrs)	10.90	6.12	7.00	5.82	5.82	5.82	5.82	5.82	5.82	5.82	5.82	5.82	5.82	5.82
INHP (psi)	2,700	2,685	2,583	2,692	2,659	2,610	2,561	2,512	2,463	2,414	2,365	2,316	2,267	2,218
15 % HCl Acid (bbls)	45	12	12	12	12	12	12	12	12	12	12	12	12	12
Number of Perf Clusters	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Perf Spacing (ft)	35	21	35	35	35	35	35	35	35	35	35	35	35	35
Pump down (bbls)	167	33	33	34	35	35	35	35	35	35	35	35	35	35
Fracture (bbls)	10,899	9,050	8,879	8,833	9,031	8,898	8,950	8,870	8,774	8,774	8,774	8,774	8,774	8,774
Load to Recover (Total Vol Pumped) (bbls)	11,066	9,083	8,912	8,867	9,066	8,930	8,982	8,902	8,802	8,802	8,802	8,802	8,802	8,802
Slurry Volume (bbls)	11,663	9,681	9,498	9,454	9,652	9,514	9,564	9,483	9,389	9,389	9,389	9,389	9,389	9,389
100 Min (ft)	220,762	223,080	224,380	218,640	221,470	225,240	223,690	218,380	218,380	218,380	218,380	218,380	218,380	218,380
20/40, 50/70, 60/70, 80/70 (ft)	310,950	309,080	311,800	309,380	311,770	309,420	312,600	310,000	310,000	310,000	310,000	310,000	310,000	310,000
Total Prop from Slurry Table (ft)	531,310	532,160	536,180	528,020	533,240	534,660	536,290	531,380	531,380	531,380	531,380	531,380	531,380	531,380
Avg Rate (bbls/min)	95	95	95	95	95	95	95	95	95	95	95	95	95	95
Avg Pressure (psi)	7,396	7,230	7,056	7,296	7,018	6,943	7,032	6,923	6,736	6,736	6,736	6,736	6,736	6,736
Max Rate (bpm)	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Max Pressure (psi)	10,720	7,603	7,340	7,625	7,590	7,235	7,853	7,179	7,042	7,042	7,042	7,042	7,042	7,042
Break Pressure (psi)	6,453	6,782	6,704	6,877	6,063	6,400	6,712	6,694	6,924	6,924	6,924	6,924	6,924	6,924
ROP (psi)	4,565	4,322	4,865	4,499	4,835	4,150	4,550	4,740	4,120	4,120	4,120	4,120	4,120	4,120
Rq (psi/ft)	1.14	1.10	1.18	1.13	1.15	1.07	1.13	1.16	1.07	1.07	1.07	1.07	1.07	1.07
Blocker (ft)	43	36	53	53	36	53	52	53	54	54	54	54	54	54
Corrosion Inhibitor (ft)	4	1	1	1	1	1	1	1	1	1	1	1	1	1
Filtration Reducer (ft)	9,858	6,751	7,612	8,451	9,003	9,121	9,164	9,128	9,007	9,007	9,007	9,007	9,007	9,007
HCl 15% (ft)	1,900	500	500	500	500	500	500	500	500	500	500	500	500	500
Scale Inhibitor (ft)	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Breaker														
Average Density (SG)														
Average of pH														
Average of Conductivity														
Average of Calcium														
Average of Magnesium														
Average of Chloride														
Average of Iron														
Average of Temp pH														
Average of Solids														
Fluid Density (lb/gal)														
Fracturing														
Pumpdown														
HCl 15%														
HCl 7.5%														
Difference														
Fracturing														
PD														
HCl														

03/20/2026



Well Name:

Michael Southworth MSH 6H

47051025140000

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)	840	840	868	868
Raven Cliff (ss)	1201	1200	1381	1378
Maxton (ss)	1467	1464	1789	1778
Big Injun (ss)	1879	1866	1994	1979
Berea (siltstone)	2282	2262	2313	2292
Rhinestreet (shale)	5792	5699	6164	6057
Cashaqua (shale)	6164	6057	6251	6132
Middlesex (shale)	6251	6132	6351	6209
Burket (shale)	6351	6209	6384	6232
Tully (ls)	6384	6232	6433	6264
Mahantango (shale)	6433	6264	6695	6379
Marcellus (shale)	6695	6379	NA	NA