MDS Energy Development, LLC
PLUG & ABANDON POST JOB REPORT

RALPH ALLEN #2 05-123-05384
S:10 T:7N R:59W Weld CO

CallSheet #: 87951
Proposal #: 70456

PLUG & ABANDON Post Job Report

Attention: Matthew Hoffman | (970) 380-0811 | matthew.hoffman@iptwell.com
MDS Energy Development, LLC
409 Butler Road Suite A | Kittanning, PA 16201

Dear Matthew Hoffman,

Thank you for the opportunity to provide cementing services on this well. American Cementing strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact American Cementing at any time.

Sincerely,

Aimee Sankovich
Field Engineer I | (307) 689-0323 | aimee.sankovich@americancementing.com

Field Office 1716 E Allison Rd, Cheyenne, WY 82007
Phone: (307) 414-0049

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	10.75	9.85	51	0	88	0
Tubing	Inner	2.875	2.323	7.9	0	88	0

Equipment / People

Unit Type	Unit
Cement Utility Float	CUF-163
Cement Pump Float	CPF-057
Cement Trailer Float	CTF-339

Timing

Event	Date/Time
Call Out	7/22/2023 00:30
Depart Facility	7/22/2023 06:15
On Location	7/22/2023 08:00
Rig Up Iron	7/22/2023 08:20
Job Started	7/22/2023 09:31
Job Completed	7/22/2023 10:45
Rig Down Iron	7/22/2023 10:46
Depart Location	7/22/2023 11:15

General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	Water
Calculated Displacement	0 bbls
Actual Displacement	0 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	1 bbls
Well Topped Out	No

Job Details

Metrics	Value
Flare Prior to Job	No
Flare Prior to Job	0 units
Flare During Job	No
Flare During Job	0 units
Flare at End of Job	No
Flare at End of Job	0 units
Well Full Prior to Job	Yes
Well Fluid Density Into Well	8.4 lb/gal
Well Fluid Density Out of Well	8.4 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	80 °F
BHST	80 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Water Tank	
Temperature	61 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	110	0-1000
Total Hardness	200 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	<250 mg/L	0-1500 mg/L
Potassium	300 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced
No

Job Execution Information

Fluid	Product	Function	Density (lb/gal)	Yield ($ft^{3/sk}$)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Designed Top (ft)
1	FW Flush	Flush	8.34			42.00		10.00	0
2	Plug	Plug	14.80	1.34	6.36		60	14.40	0
3	Displacement	DisplacementFinal	8.34			42.00		1.00	0

Job Fluid Details

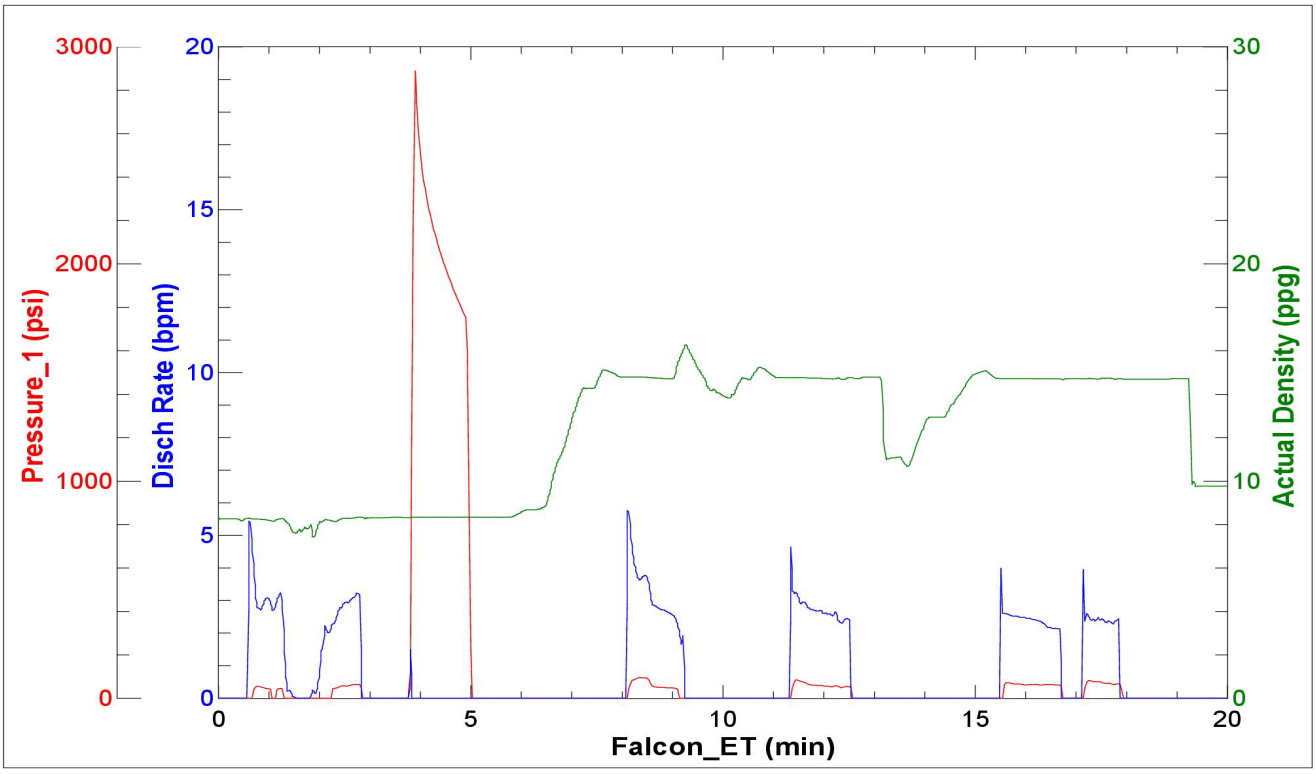
Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Plug	Plug	ASTM TYPE I/II	Cement	100.00	%
2	Plug	Plug	A-7P	Accelerator	2.00	%BWOB

Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	Callout	7/22/2023	00:30					Customer calls with an O/L time of 8:00
2	Arrive On Location	7/22/2023	08:00					
3	Rig Up	7/22/2023	08:20					
4	Safety Meeting	7/22/2023	09:15					Pre-Job safety meeting with AC crew, rig crew, and company man
5	Break Circulation	7/22/2023	09:31	8.34	2	3	52	Break circulation with freshwater
6	Pressure Test	7/22/2023	09:33	8.34	0	0	3000	
7	Pump Cement	7/22/2023	09:37	14.8	2.8	12	51	Batched up 3, 4 bbl tubs for a total of 14.4 bbls of cement
8	Shut down	7/22/2023	09:53	14.8	0	0	0	Shut down (1 bbl of good cement to surface)
9	Rig Down	7/22/2023	10:46					
10		7/22/2023	11:15					
11	Leave Location	7/22/2023	00:00					

Pump Diagrams

JobMaster Program Version 5.01C1
Job Number: 87951
Customer: MDS
Well Name: Ralph Allen 2



Job Start: Saturday, July 22, 2023