



MDS Energy Development, LLC PLUG & ABANDON POST JOB REPORT

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

CallSheet #: 87970
Proposal #: 70473



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@americacementing.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 (%)
Open Hole	Outer		8.75		0	157	0
Casing	Inner	7	6.184	29	0	157	0

Equipment / People

Unit Type	Unit
Cement Trailer Float	CTF-215
Cement Pump Float	CPF-183
Light Duty Vehicles	LDV-048

Timing

Event	Date/Time
Call Out	7/24/2023 06:30
Depart Facility	7/24/2023 09:30
On Location	7/24/2023 11:30
Rig Up Iron	7/24/2023 23:30
Job Started	7/25/2023 00:15
Job Completed	7/25/2023 00:55
Rig Down Iron	7/25/2023 01:20
Depart Location	7/25/2023 02:30

General Job Information

Metrics	Value
Well Fluid Density	8.5 lb/gal
Well Fluid Type	Water
Calculated Displacement	5 bbls
Actual Displacement	5 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	4 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	8.5 lb/gal
Well Fluid Density Out of Well	8.5 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	80 °F
BHST	80 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	62 °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	Re-Cement	Plug	15.80	1.15	5.00		58.59	12.00	0
3	Displacement	DisplacementFinal	8.34			42.00		5.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Plug	Re-Cement	CLASS G	Cement	100.00	%

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	Call Out	7/24/2023	06:30					ACC gets called out requested time on Location was 11:30
2	Depart Facility	7/24/2023	09:30					ACC departs facility
3	Arrive To Location	7/24/2023	11:30					ACC arrives to location rig is currently running casing
4	Rig Up	7/24/2023	23:30					ACC spots in units and gets rigged up
5	Safety Meeting	7/25/2023	00:00					ACC had per-job safety meeting with rig hands and OSR, went over job procedure
6	Fill Lines	7/25/2023	00:15	8.34	2	10	10	Pumped 10 bbls ahead to load line and get circulation
7	Pressure Test	7/25/2023	00:18				1480	Pressure test pump/lines to 1480 psi
8	Pump Cement	7/25/2023	00:24	15.8	1	12	10	Pumped 12 bbls of CMT (15.8 PPG 5.0 G/SK 1.15 YLD 58.59 SKS) at 1 bpm w/ 10 psi
9	Cement To Surface	7/25/2023	00:38	15.8	0.5	10	30	At 10 bbls away into cmt, got cmt to surface at .5 bpm w/ 30 psi
10	Pump Disp	7/25/2023	00:43	8.34	1	5	30	Pumped 5 bbls of disp at 1 bpm w/ 30 psi
11	Shut Down	7/25/2023	00:55					Shut down pumping cmt
12	Rig Down	7/25/2023	01:20					ACC rigged down equipment
13	Depart Location	7/25/2023	02:30					ACC departed location
14	Other	7/25/2023	02:31					Total cmt to surface, 2 bbls

Pump Diagrams

MDS Energy #2 Ralph Allen

