



MDS Energy Development, LLC PLUG & ABANDON POST JOB REPORT

**JESSE NEWTON #1 05-123-05389
S:10 T:7N R:59W Weld CO**

CallSheet #: 88280
Proposal #: 71029



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 (%)
Casing	Outer	7	6.276	26	0	135	0
Open Hole	Outer		8.75		135	5976	0
Tubing	Inner	2.875	2.441	6.4	0	5976	0

Equipment / People

Unit Type	Unit
Cement Trailer Float	CTF-338
Cement Utility Float	CUF-162
Cement Pump Float	CPF-057

Timing

Event	Date/Time
Call Out	8/17/2023 16:00
Depart Facility	8/17/2023 19:00
On Location	8/17/2023 21:00
Rig Up Iron	8/17/2023 21:15
Job Started	8/17/2023 22:40
Job Completed	8/18/2023 12:00
Rig Down Iron	8/18/2023 12:30
Depart Location	8/18/2023 13:30

General Job Information

Metrics	Value
Well Fluid Density	9 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	40 bbls
Rig Circulation Time	1 hours
Calculated Displacement	25 bbls
Actual Displacement	25 bbls
Total Spacer to Surface	5 bbls
Total CMT to Surface	3 bbls
Well Topped Out	Yes
Top Out Volume	4 bbls

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	9 lb/gal
Well Fluid Density Out of Well	9 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	145 °F
BHST	173 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	77 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	350 mg/L	0-3000 mg/L
Total Alkalinity	0	0-1000
Total Hardness	0 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	0 mg/L	0-1500 mg/L
Potassium	0 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	Flush Ahead Plug-1	Flush	8.34			42.00		20.00	0
2	Plug-1: (5976-5776)	Plug	15.80	1.15	4.98		80.00	16.37	0
3	Plug-1 Displacement	Displacement	8.34			42.00		33.00	0
4	Flush Ahead Plug-2	Flush	8.34			42.00		20.00	0
5	Plug-2: (3000-2850)	Plug	15.80	1.16	5.01		50.00	10.37	0
6	Plug-2 Displacement	Displacement	8.34			42.00		16.00	0
7	Flush Ahead Plug-3	Flush	8.34			42.00		20.00	0
8	Plug-3: (1741-1541)	Plug	15.80	1.16	5.01		80.00	16.59	0
9	Plug-3 Displacement	Displacement	8.34			42.00		8.00	0
10	Flush Ahead Plug-4	Flush	8.34			42.00		20.00	0
11	Plug 4: Surface Plug	Plug	15.80	1.16	5.01		225.00	46.00	0
12	Plug-4 Displacement	DisplacementFinal	8.34			42.00		1.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Plug	Plug-1: (5976-5776)	CLASS G	Cement	100.00	%
2	Plug	Plug-1: (5976-5776)	R-3	Retarder	0.20	%BWOB
2	Plug	Plug-1: (5976-5776)	XCem-402	Dispersant	0.10	%BWOB
5	Plug	Plug-2: (3000-2850)	CLASS G	Cement	100.00	%
5	Plug	Plug-2: (3000-2850)	A-7P	Accelerator	2.00	%BWOB
8	Plug	Plug-3: (1741-1541)	CLASS G	Cement	100.00	%
8	Plug	Plug-3: (1741-1541)	A-7P	Accelerator	2.00	%BWOB
11	Plug	Plug 4: Surface Plug	CLASS G	Cement	100.00	%
11	Plug	Plug 4: Surface Plug	A-7P	Accelerator	2.00	%BWOB

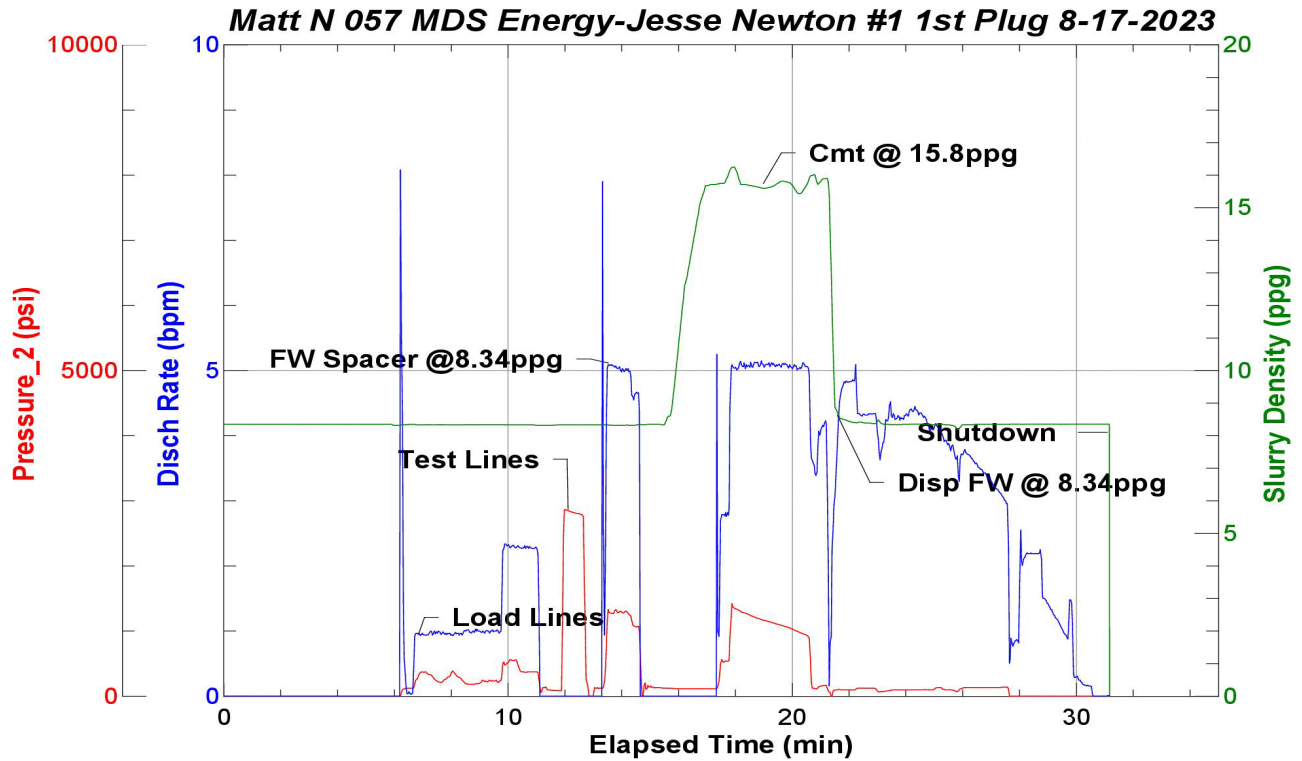
Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	Arrive On Location	8/17/2023	21:30					On Location and start service
2	Safety Meeting	8/17/2023	21:45					AC crew Rig up Safety Meeting
3	Rig Up Iron	8/17/2022	22:00					Ac crew rigging up
4	Safety Meeting	8/17/2023	22:40					Safety Meeting with Ac crew and the Rig crew for the 1st plug
5	Fill Lines	8/17/2023	22:52	8.34	1	5	280	Establish flow and loading lines
6	Pressure Test Lines	8/17/2023	22:57	8.34				Testing lines
7	Pump Spacer	8/17/2023	22:58	8.34	5	5	900	Pumping FW Spacer
8	Pump Cement	8/17/2023	23:03	15.8	5	16.4	1223	Pumping Cement @ 15.8ppg
9	Pump Displacement	8/17/2023	23:07	8.34	4.8	25	99	Displacement with FW @ 8.34ppg
10	Shutdown	8/17/2023	23:11					Done with the 1st plug
11	Circulate Well	8/17/2023	23:19					Rig is pulling 14 joints to reverse out
12	Safety Meeting	8/18/2023	01:15					Safety Meeting with Ac crew and the Rig crew for the 2nd plug
13	Pump Spacer	8/18/2023	01:23	8.34	2.9	10	336	Pump FW Spacer @ 8.34 ppg
14	Pump Cement	8/18/2023	01:31	15.8	4.2	10.4	429	Pump Cement @ 15.8ppg
15	Pump Displacement	8/18/2023	01:33	8.34	4.3	11	103	Displacement with FW @ 8.34ppg
16	Shutdown	8/18/2023	01:36					Done with the 2nd plug
17	Circulate Well	8/18/2023	01:38					Rig is pulling 14 joints to reverse out
18	Safety Meeting	8/18/2023	02:35					Safety Meeting with Ac crew and the Rig crew for the 3rd plug
19	Pump Spacer	8/18/2023	02:44	8.34	4.5	5	300	Pump FW Spacer @ 8.34 ppg
20	Pump Cement	8/18/2023	02:48	15.8	4.2	16.6	307	Pump Cement @ 15.8ppg
21	Pump Displacement	8/18/2023	02:51	8.34	4.2	4.2	320	Displacement with FW @ 8.34ppg
22	Shutdown	8/18/2023	02:54					Done with the 3rd plug
23	Circulate Well	8/18/2023	02:58					Rig is pulling joints to reverse out and rig is tagging this plug
24	Safety Meeting	8/18/2023	10:30					Safety Meeting with Ac crew and the Rig crew for the 4th plug
25	Pump Spacer	8/18/2023	10:45	8.34	2.4	5	0	Pump FW Spacer @ 8.34 ppg
26	Pump Cement	8/18/2023	10:49	15.8	3	46	50	Pump Cement @ 15.8ppg
27	Shutdown	8/18/2023	11:02					Shutdown, 3 bbls of cement to Surface
28	Other	8/18/2023	11:05					Done with the 4th plug
29	Other	8/18/2023	11:10					Rig is pulling joints to Top out
30	Top Out	8/18/2023	12:08	15.8	2	4	20	Top Out 20 sks
31	Stop Pumping	8/18/2023	12:10					Shutdown
32	Safety Meeting	8/18/2023	12:15					Rig down Safety Meeting with AC crew
33	Rig Down Iron	8/18/2023	12:30					AC crew rigging down
34	End Job	8/18/2023	13:30					Stop Service

Pump Diagrams



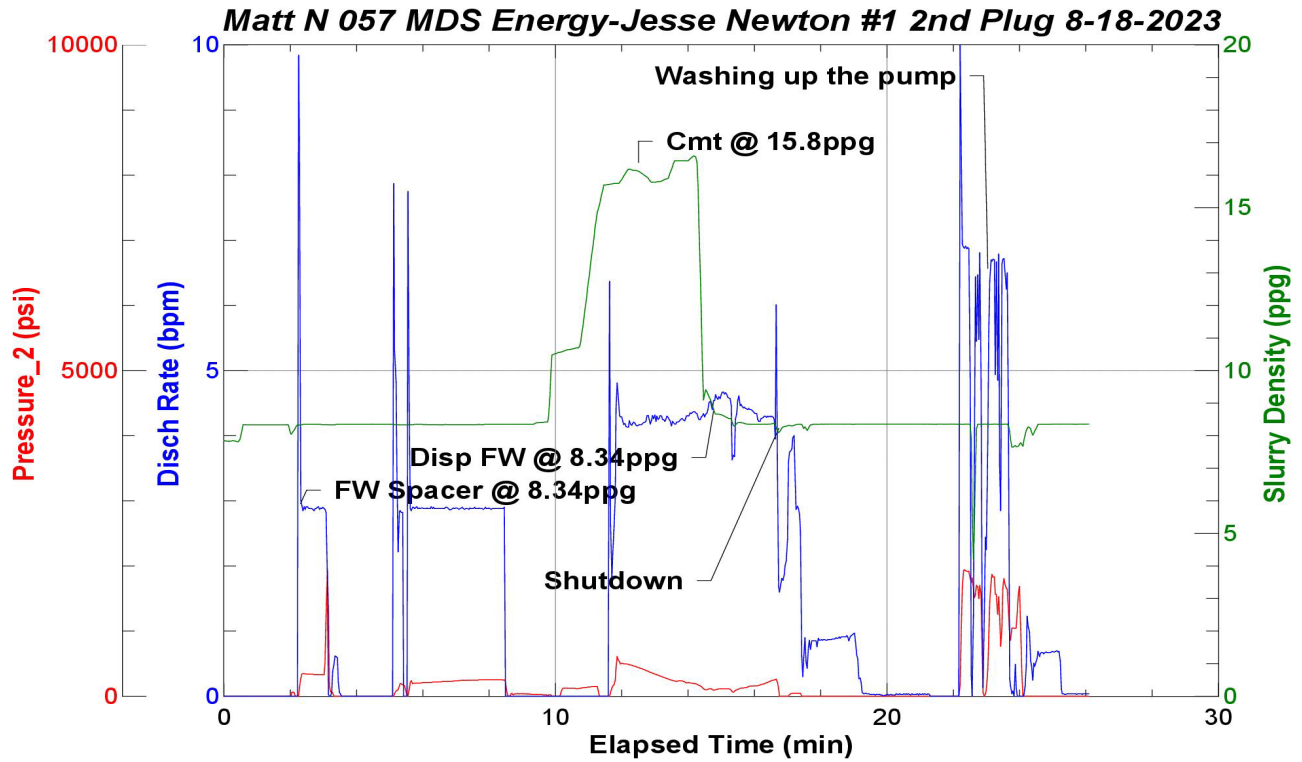
JobMaster Program Version 5.01C1
 Job Number: 88280
 Customer: MDS Energy
 Well Name: Jesse Newton 1



Job Start: Thursday, August 17, 2023



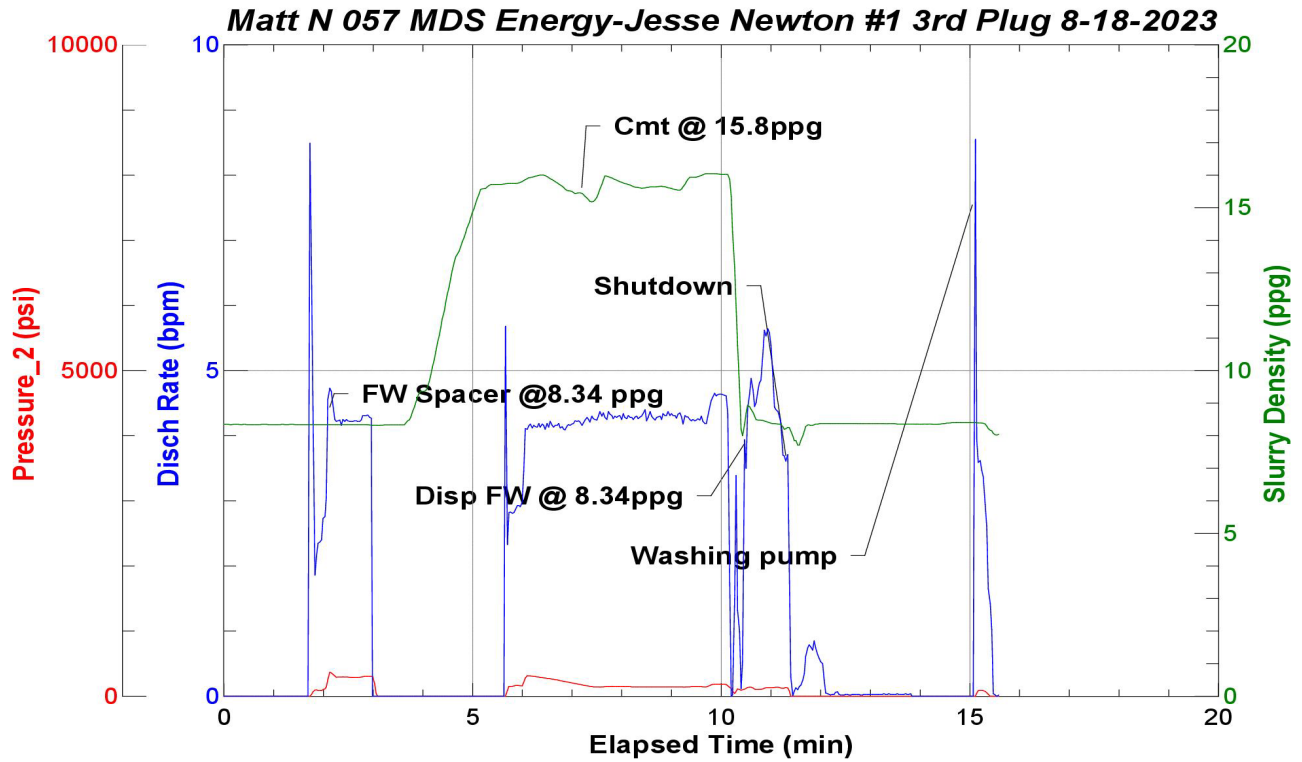
JobMaster Program Version 5.01C1
 Job Number: 88280
 Customer: MDS Energy
 Well Name: Jesse Newton 1



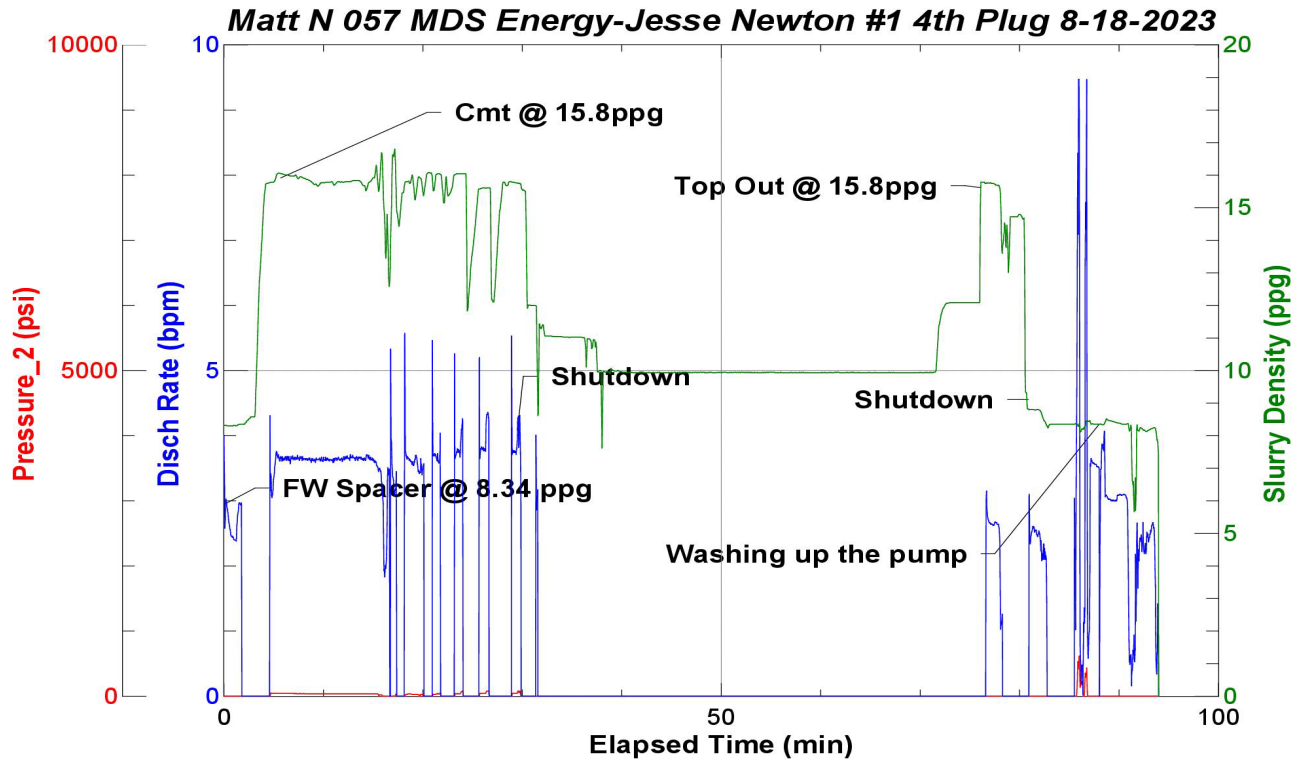
Job Start: Friday, August 18, 2023



JobMaster Program Version 5.01C1
Job Number: 88280
Customer: MDS Energy
Well Name: Jesse Newton 1



Job Start: Friday, August 18, 2023



Job Start: Friday, August 18, 2023