Bison Oil & Gas III
PLUG & ABANDON POST JOB REPORT

ALICE NAY #1 05-123-05654
S:14 T:9N R:58W Weld CO

CallSheet #: 81138
Proposal #: 59437

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	8.625	8.097	24	0	136	0
Open Hole	Outer		7.875		136	4919	0
Tubing	Inner	2.875	2.441	6.4	0	4919	0

Equipment / People

Unit Type	Unit
Cement Trailer Float	CTF-003
Cement Trailer Float	CTF-278
Cement Pump Float	CPF-184
Cement Utility Float	CUF(FIF)-159

Timing

Event	Date/Time
Call Out	4/25/2022 00:00
Depart Facility	4/25/2022 11:30
On Location	4/25/2022 13:30
Rig Up Iron	4/25/2022 13:45
Job Started	4/25/2022 15:24
Job Completed	4/26/2022 07:15
Rig Down Iron	4/26/2022 07:30
Depart Location	4/26/2022 09:00

General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	WBM
Calculated Displacement	24 bbls
Actual Displacement	23 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	0 bbls
Well Topped Out	Yes
Top Out Volume	1 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	8.4 lb/gal
Well Fluid Density Out of Well	8.4 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	142 °F
BHST	171 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Flat Tank	
Temperature	60 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	140	0-1000
Total Hardness	250 mg/L	0-500 mg/L
Carbonates	40 mg/L	0-100 mg/L
Sulfates	<200 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		19.00	0
2	Plug-1: Top of Prod Casing	Plug	15.80	1.15	5.00		100.00	20.45	0
3	Plug-1 Displacement	Displacement	8.34			42.00		24.00	0
4	Flush Ahead Plug-2	Flush	8.34			42.00		19.00	0
5	Plug-2: Pierre (1650' - 1500')	Plug	15.80	1.17	5.01		100.00	20.89	0
6	Plug-2 Displacement	Displacement	8.34			42.00		7.00	0
7	Flush Ahead Plug-3	Flush	8.34			42.00		20.00	0
8	Plug-3: Surface (475' - 0')	Plug	15.80	1.17	5.01		300.00	62.67	0
9	Plug-3 Displacement	DisplacementFinal	8.34			42.00		1.00	0

Job Fluid Details

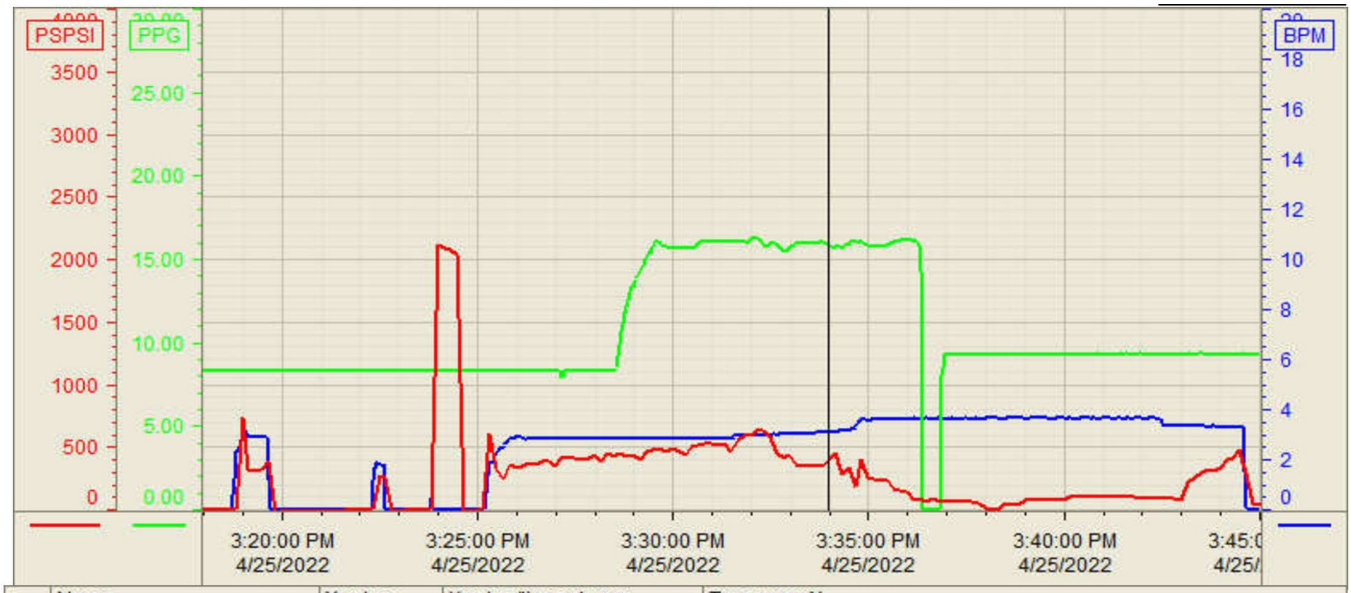
Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Plug	Plug-1: Top of Prod Casing	CLASS G	Cement	100.00	%
5	Plug	Plug-2: Pierre (1650' - 1500')	CLASS G	Cement	100.00	%
5	Plug	Plug-2: Pierre (1650' - 1500')	A-7P	Accelerator	3.00	%BWOB
8	Plug	Plug-3: Surface (475' - 0')	CLASS G	Cement	100.00	%
8	Plug	Plug-3: Surface (475' - 0')	A-7P	Accelerator	3.00	%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	4/25/2022	09:30					Crew called out requested on location for 1330
2	Depart For Location	4/25/2022	11:30					Crew departed for location
3	Arrive On Location	4/25/2022	13:30					Crew arrived on location
4	Safety Meeting	4/25/2022	13:45					Safety meeting
5	Rig Up Iron	4/25/2022	14:00					Spotted and rigged up all equipment
6	Safety Meeting	4/25/2022	15:00					Safety meeting
7	Fill Lines	4/25/2022	15:24	8.34	3	3	450	Fill lines with 3 bbls fresh water
8	Pressure Test Lines	4/25/2022	15:29					Pressure test lines to 2000 psi
9	Pump Spacer	4/25/2022	15:30	8.34	3	16	500	Pump 16 bbls water spacer
10	Pump Cement	4/25/2022	15:36	15.8	3	20.5	400	Pump 20.5 bbls cement @ 15.8 ppg (100sks, 1.15Y, 5.0 gal/sk)
11	Pump Spacer	4/25/2022	15:43	8.34	3	1	200	Pump 1 bbls water spacer
12	Pump Displacement	4/25/2022	15:44	8.5	3	23	200	Pump 23 bbls mud displacement
13	Shutdown	4/25/2022	15:50					Shutdown, check for flow, no flow
14	Pull Out Of Hole	4/25/2022	15:53	8.5	3	6	500	POOH to ~4000' @ 45'/min
15	Circulate Well	4/25/2022	16:09					Circulate well with 6 bbls mud
16	Pull Out Of Hole	4/25/2022	16:11					POOH to ~1650'
17	Waiting	4/25/2022	16:12					Waiting on rig to POOH
18	Safety Meeting	4/25/2022	17:30					Safety meeting
19	Pump Spacer	4/25/2022	17:44	8.34	3	19	200	Pump 19 bbls water spacer
20	Pump Cement	4/25/2022	17:52	15.8	3	20.5	250	Pump 20.5 bbls cement @ 15.8 ppg (100sks, 1.15Y, 5.0 gal/sk)
21	Pump Spacer	4/25/2022	18:01	8.34	3	1	100	Pump 1 bbls water spacer
22	Pump Displacement	4/25/2022	18:03	8.5	3	6	100	Pump 6 bbls mud displacement
23	Shutdown	4/25/2022	18:04					Shutdown, check for flow, no flow
24	Pull Out Of Hole	4/25/2022	18:07					POOH
25	Waiting	4/25/2022	18:08					Waiting 4 hrs to tag plug
26	Safety Meeting	4/25/2022	23:00					Safety meeting
27	Pump Spacer	4/25/2022	23:35	8.34	3	20	100	Pump 20 bbls water spacer
28	Pump Cement	4/25/2022	23:40	15.8	3	61.4	150	Pump 61.4 bbls cement @ 15.8 ppg (300 sks, 1.15 Y, 5.0 gal/sk)
29	Pump Spacer	4/26/2022	00:06	8.34	3	1	50	Pump 1 bbls water spacer
30	Shutdown	4/26/2022	00:07					Shutdown, check for flow, no flow
31	Pull Out Of Hole	4/26/2022	00:10					POOH
32	Waiting	4/26/2022	00:11					Waiting 4 hrs to tag plug
33	Safety Meeting	4/26/2022	05:00					Safety meeting
34	Pump Cement	4/26/2022	05:26	15.8	3	14.3	50	Pump 14.3 bbls cement @ 15.8 ppg (70 sks, 1.15 Y, 5.0 gal/sk)(Mixed 100 sks of cement, remainder pumped to pit)
35	Shutdown	4/26/2022	05:34					Shutdown
36	Other	4/26/2022	05:40					Rig POOH and moved rig off well
37	Safety Meeting	4/26/2022	07:00					Safety meeting

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
38	Pump Cement	4/26/2022	07:15	15.8	1	1	50	Pump 1 bbls cement @ 15.8 ppg to top out well (5 sks, 1.15 Y, 5.0 gal/sk) (Mixed 15 sks of cement, remainder pumped to pit)
39	Shutdown	4/26/2022	07:17					Shutdown
40	Safety Meeting	4/26/2022	07:30					Safety meeting
41	Rig Down Iron	4/26/2022	07:45					Rigged down all equipment
42	Depart Location	4/26/2022	09:00					Crew departed location

Pump Diagrams



	Name	Y value	X value/time stamp	Tag name Y
1	PSPSI	388.1 i.	4/25/2022 3:33:57 PM i.	Cementer\PS_DISCHARGE_PRESS_DIAL
2	Den - Density (PPG)	15.89 i.	4/25/2022 3:33:57 PM i.	Cementer\DENSITY_ACTUAL_RATE
3	BPM	3.12	4/25/2022 3:33:57 PM	Cementer\Flow_Combined
4				
5				

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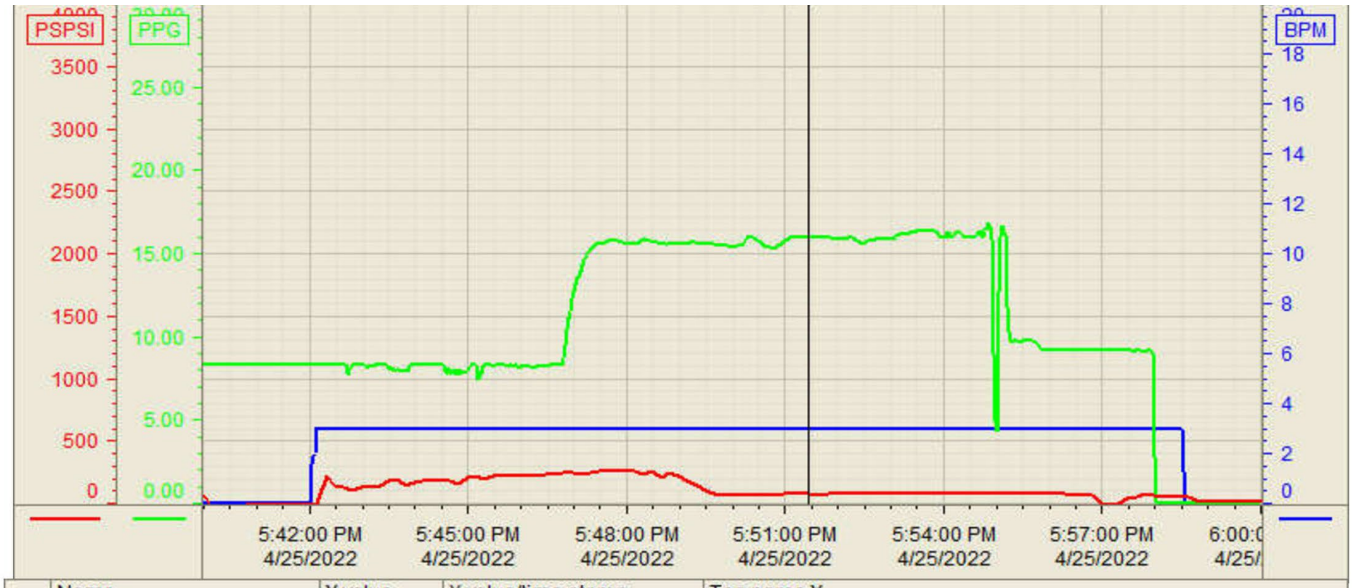
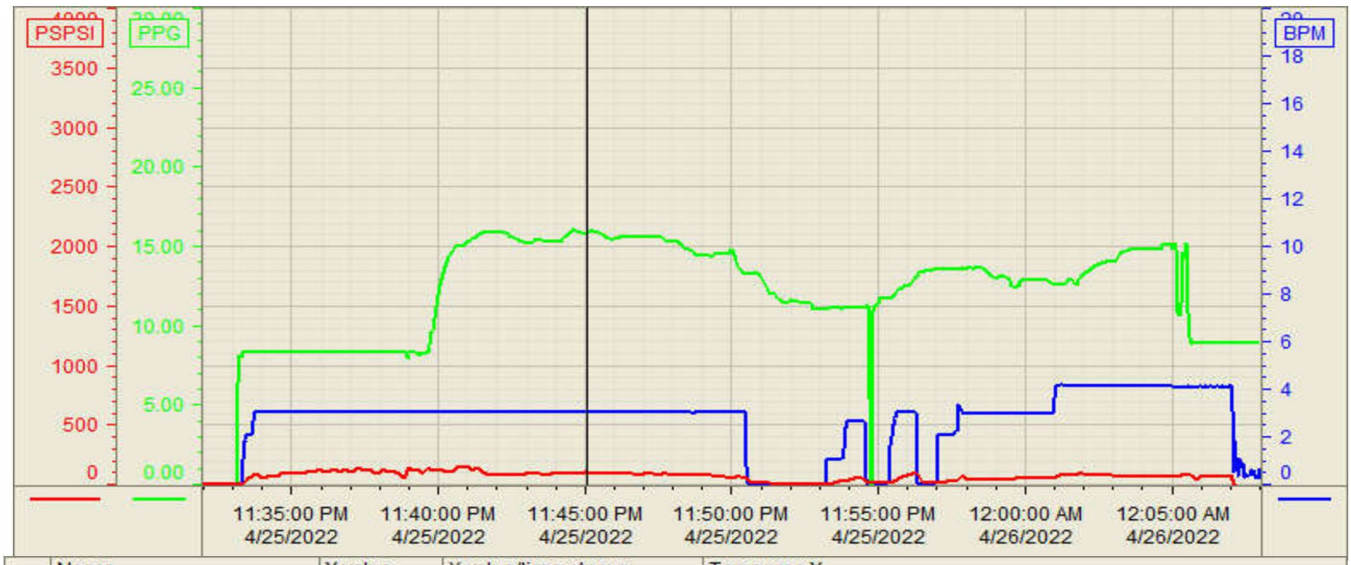


	Name	Y value	X value/time stamp	Tag name Y
1	PSPSI	75.1 i.	4/25/2022 5:51:26 PM i.	Cementer\PS_DISCHARGE_PRESS_DIAL
2	Den - Density (PPG)	15.96 i.	4/25/2022 5:51:26 PM i.	Cementer\DENSITY_ACTUAL_RATE
3	BPM	3.00 i.	4/25/2022 5:51:26 PM i.	Cementer\Flow_Combined
4				
5				

Source: Control1 6:25:30 PM



	Name	Y value	X value/time stamp	Tag name Y
1	PSPSI	99.8 i.	4/25/2022 11:45:03 PM i.	Cementer\PS_DISCHARGE_PRESS_DIAL
2	Den - Density (PPG)	15.82 i.	4/25/2022 11:45:03 PM i.	Cementer\DENSITY_ACTUAL_RATE
3	BPM	3.03	4/25/2022 11:45:03 PM	Cementer\Flow_Combined
4				
5				

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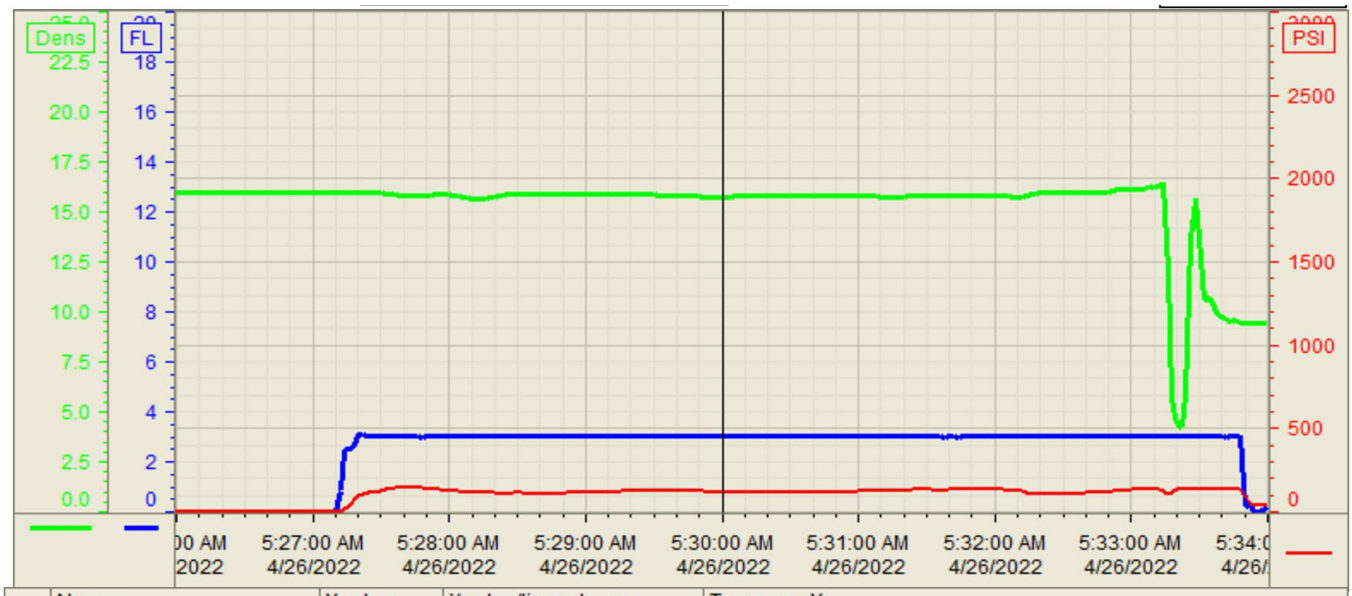
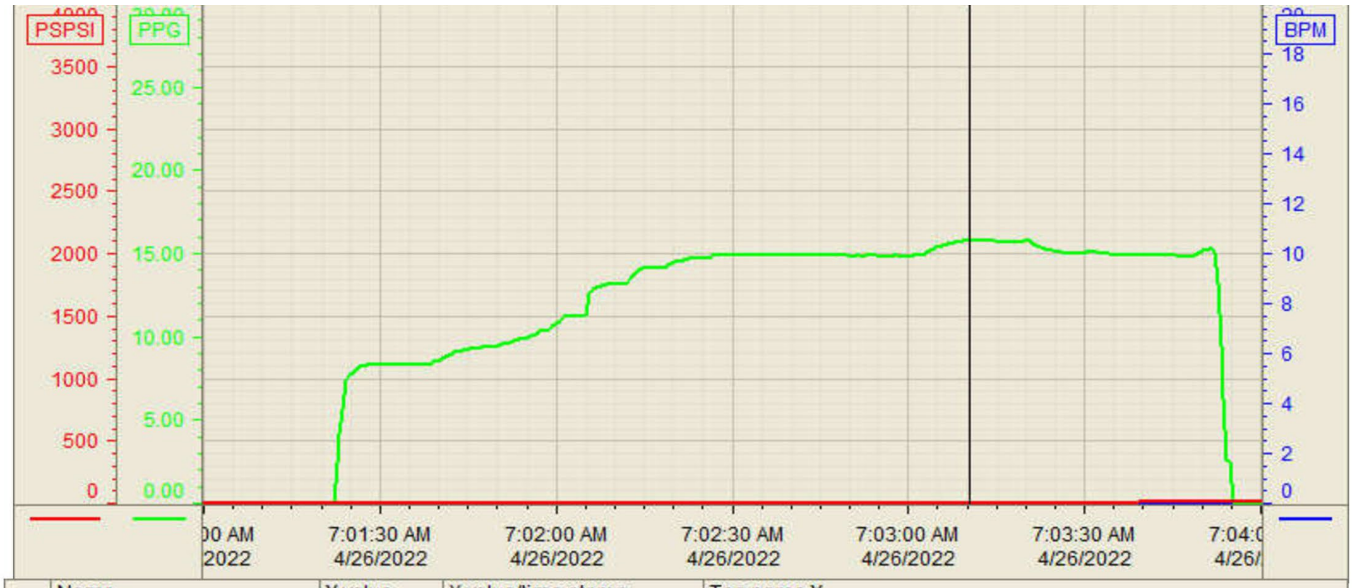


	Name	Y value	X value/time stamp	Tag name Y
1	PS - Press (PSI)	115.2	4/26/2022 5:30:00.172 AM	Cementer\PS_DISCHARGE_PRESS_DIAL
2	Den - Density (PPG)	15.75	4/26/2022 5:30:00.172 AM	Cementer\DENSITY_ACTUAL_RATE
3	Pump Rate	3.02	4/26/2022 5:30:00.172 AM	Cementer\Flow_Combined
4				
5				

Source: Control1 6:24:15 AM



	Name	Y value	X value/time stamp	Tag name Y
1	PSPSI	-3.8 i.	4/26/2022 7:03:10.528 AM i	Cementer\PS_DISCHARGE_PRESS_DIAL
2	Den - Density (PPG)	15.76 i.	4/26/2022 7:03:10.528 AM i	Cementer\DENSITY_ACTUAL_RATE
3	BPM	0.00 i.	4/26/2022 7:03:10.528 AM i	Cementer\Flow_Combined
4				
5				

Source: Control1 7:17:22 AM