



Bison Oil & Gas III PLUG & ABANDON POST JOB REPORT

**ALICE NAY #2 05-123-05652
S:14 T:9N R:58W Weld CO**

CallSheet #: 81408
Proposal #: 59802

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	193	0
Open Hole	Outer		7.875		193	5543	0
Tubing	Inner	2.875	2.441	6.4	0	5543	0

Equipment / People

Unit Type	Unit	Power Unit
Light Duty Vehicles	LDV-013	
Cement Pump Float	CPF-184	TRS-105
Cement Trailer Float	CTF-408	TRC(TRB)-731
Cement Trailer Float	CTF-278	TRC(TRB)-731

Timing

Event	Date/Time
Call Out	5/8/2022 09:00
Depart Facility	5/8/2022 11:30
On Location	5/8/2022 13:45
Rig Up Iron	5/8/2022 14:00
Job Started	5/8/2022 15:40
Job Completed	5/9/2022 07:50
Rig Down Iron	5/9/2022 08:20
Depart Location	5/9/2022 09:00

General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	1440 bbls
Rig Circulation Time	3 hours
Calculated Displacement	28 bbls
Actual Displacement	28 bbls
Total Spacer to Surface	n/a bbls
Total CMT to Surface	5 bbls
Well Topped Out	Yes
Top Out Volume	3 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	8.5 lb/gal
Well Fluid Density Out of Well	8.5 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	166 °F
BHST	200 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Flat Tank	
Temperature	62 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	1500 mg/L	0-3000 mg/L
Total Alkalinity	500	0-1000
Total Hardness	200 mg/L	0-500 mg/L
Carbonates	50 mg/L	0-100 mg/L
Sulfates	1800 mg/L	0-1500 mg/L
Potassium	2000 mg/L	0-3000 mg/L
Iron	200 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	Plug-1: 5220'-5520'	Plug	15.80	1.16	5.01		200.00	41.48	0
2	Plug-1 Displacement	Displacement	8.34			42.00		13.00	0
3	Flush Ahead Plug-2	Flush	8.34			42.00		20.00	0
4	Plug-2: 1500'-1650'	Plug	15.80	1.16	5.01		120.00	24.89	0
5	Plug-2 Displacement	Displacement	8.34			42.00		9.00	0
6	Flush Ahead Plug-3	Flush	8.34			42.00		20.00	0
7	Plug-3: 0'-475'	Plug	15.80	1.16	5.01		375.00	77.78	0
8	Plug-3 Displacement	DisplacementFinal	8.34			42.00		1.00	0

Job Fluid Details

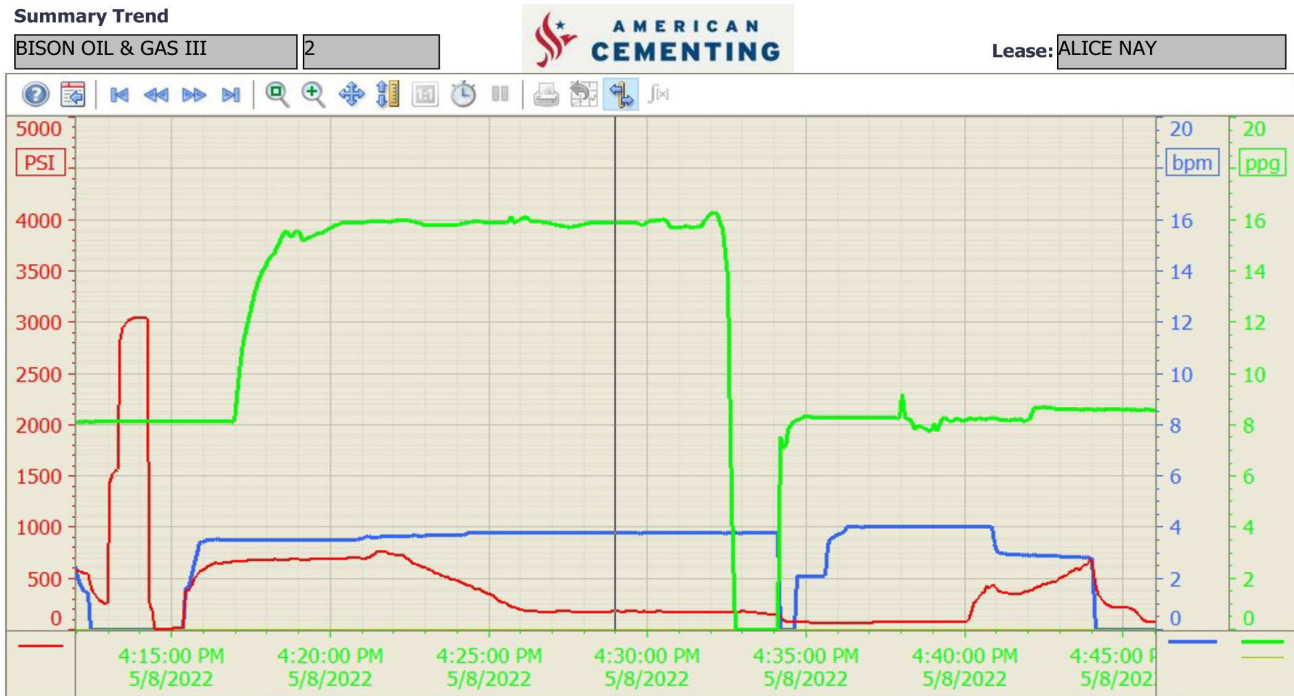
Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Plug	Plug-1: 5220'-5520'	CLASS G	Cement	100.00	%
1	Plug	Plug-1: 5220'-5520'	A-7P	Accelerator	2.00	%BWOB
4	Plug	Plug-2: 1500'-1650'	CLASS G	Cement	100.00	%
4	Plug	Plug-2: 1500'-1650'	A-7P	Accelerator	2.00	%BWOB
7	Plug	Plug-3: 0'-475'	CLASS G	Cement	100.00	%
7	Plug	Plug-3: 0'-475'	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	call out	5/8/2022	09:00					crew called out to location
2	on location	5/8/2022	13:45					crew on locaton, spot equipment
3	rig up	5/8/2022	14:00					rig up equipment
4	safety meeting	5/8/2022	15:20					safety meeting with company man and rig crew, per company man request, calculate plugs with 10" hole
5	pressure test	5/8/2022	15:40	8.34	0.2	0.2	3100	pressure test pumping lines to 3100 psi
6	first plug	5/8/2022	15:43	15.8	4	41.5	200	pump first plug: @ 5543', 20 bbl water, 41.5 bbl slurry, 1.5 bbl water and displace with 28.3 bbl mud, wet and dry samples taken and weight verified
7	pull pipe out	5/8/2022	16:13					done with plug, rig crew pulling pipe out of hole and circulate after to let cement set, then tag plug
8	tag first plug	5/8/2022	20:00					tag first plug @ 4735'
9	lay down tubing	5/8/2022	20:03					lay down tubing
10	second plug	5/8/2022	22:41	15.8	4	24.9	400	second plug: @ 1650' , 20 bbl water, 24.9 bbl slurry, 1.5 bbl watr and 6.7 bbl mud displacement, slurry mixed with 3 % CC, dry and wet samples taken and weight verified
11	pull pipe out	5/8/2022	23:00					pull pipe out and circulate ,then tag plug
12	tag plug	5/9/2022	03:00					tag plug @ 1176'
13	lay down tubing	5/9/2022	03:20					lay down tubing
14	pressure test	5/9/2022	05:30	8.34	0.2	0.2	3100	pressure test lines to 3100 psi
15	surface plug	5/9/2022	05:35	15.8	4	43.4	300	surface plug from 484' : use 210 sk / 43.4 bbl slurry to circulate cement to surface with 3 % CC, circulating 5 bbl, use blue dye to see it before cement at shekers, wet and dry samples taken and weight verified
16	pull pipe out	5/9/2022	05:50					lay down tubing, and rig down BOP
17	top out	5/9/2022	07:50	15.8	2	3	20	top out, use 15 sk / 3 bbl slurry
18	rig down	5/9/2022	08:20					rig down equipment
19	leave location	5/9/2022	09:00					leave location

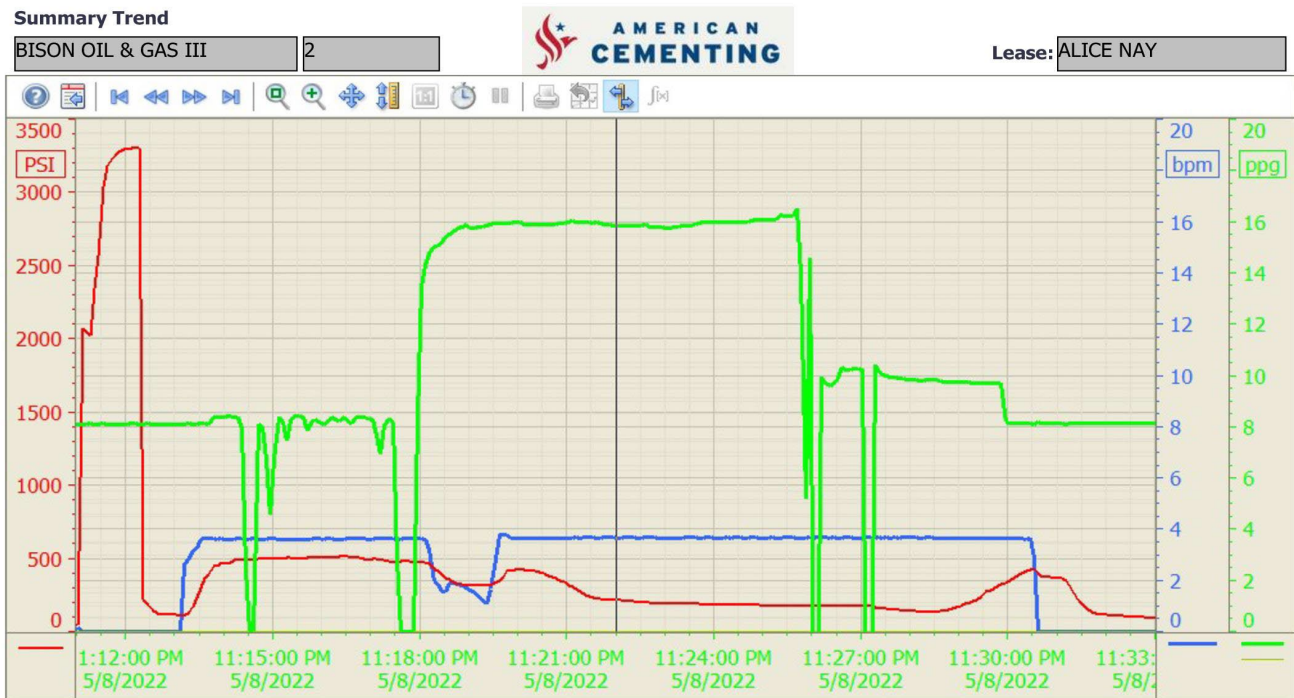
Pump Diagrams

Plug 1:



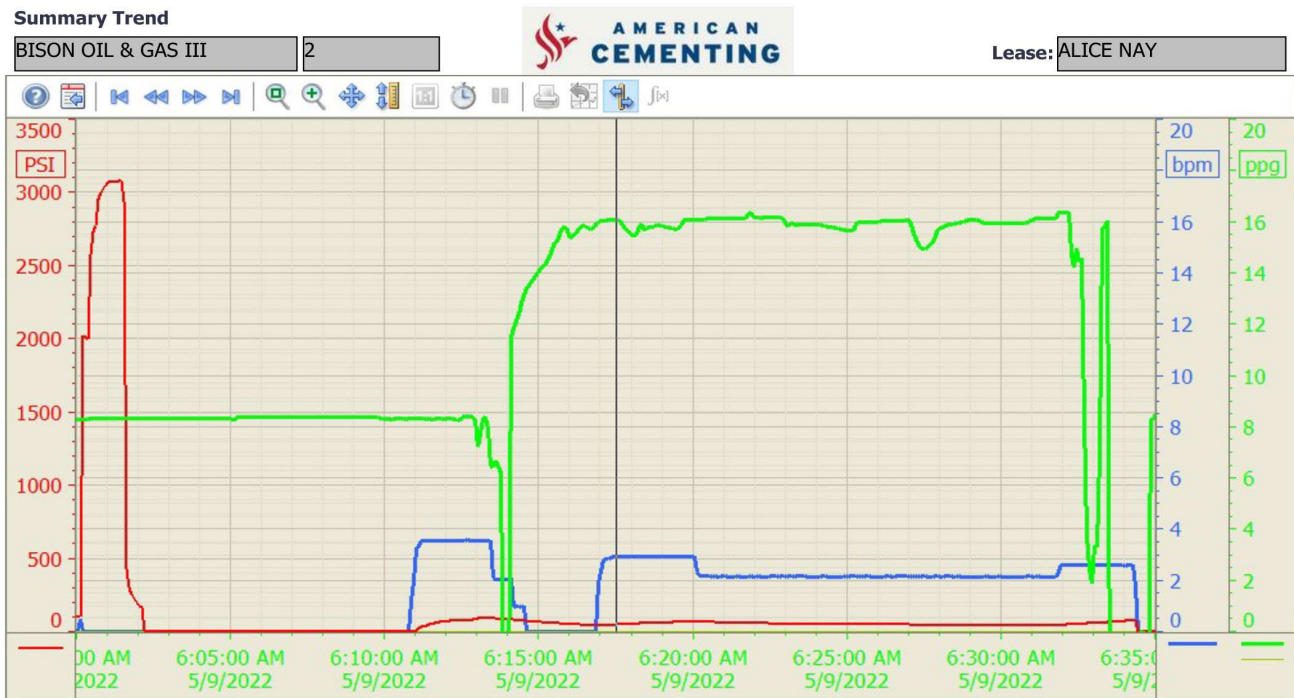
5/8/2022 4:55:08 PM

Plug 2:



5/9/2022 12:03:38 AM

Plug 3:



5/9/2022 6:43:10 AM