



Petroshare Corporation

SURFACE POST JOB REPORT

Shook 3-10-1NAH 05-001-09978
S:3 T:1S R:67W Adams CO

CallSheet #: 712
Proposal #: 13159



SURFACE Post Job Report

Attention: Mr. Bill Lloyd | (303) 500-1160 | blloyd@petroshare.com
Petroshare Corporation
9635 Maroon Circle, Ste 400 | Englewood, CO 80112

Dear Mr. Lloyd,

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

Sincerely,

Zen Keith

Technical Specialist-II | (307) 757-7178 | Zen.Keith@bjservices.com

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1 Job Details & Summary

1.1 Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Casing	Inner	9.625	8.921	36	LTC	0	1824	0
Casing	Outer	16	15.25	65	n/a	0	40	0
Open Hole	Outer	n/a	13.5	n/a	n/a	40	1824	15

1.2 Equipment / People

Unit Type	Unit	Employee #1	Mileage
Bulk Trailer	E421		98
Bulk Trailer	E467	Scott, Matthew	98
Cement Pump	PPC11250	Scott, Matthew	98
Light Duty Pickups	3	Dewit, Eric	98

1.3 Timing

Event	Date/Time
Call Out	4/12/2017 12:00
Depart Facility	4/12/2017 13:00
On Location	4/12/2017 14:00
Rig Up Iron	4/12/2017 15:00
Job Started	4/12/2017 17:32
Job Completed	4/12/2017 19:07
Rig Down Iron	4/12/2017 19:15
Depart Location	4/12/2017 19:45

1.4 General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	Water
Rig Circulation Vol	150 bbls
Rig Circulation Time	0.5 hours
Calculated Displacement	137.74 bbls
Actual Displacement	137 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	17 bbls

1.5 Job Details

Metrics	Value
Flare Prior to Job	No
Flare During Job	No
Flare at End of Job	No
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

1.6 Job Details (cont.)

Metrics	Value
BHCT	95 °F
BHST	120 °F

1.7 Circulation

Lost Circulation Experienced
No



1.8 Job Execution Information

Job	Fluid	Product	Function	Density (lb/gal)	Yield (ft ³ /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Top (ft)
1	1	Water	Flush	8.33			42.00		20.00	0
1	2	ALTCem S100-12	Lead	12.00	2.53	14.85		293.00	131.84	0
1	3	ALTCem S100-12	Tail	12.50	2.22	12.58		135.00	53.46	1300
1	4	Water	DisplacementFinal	8.33			42.00		136.00	0

1.9 Job Fluid Details

Job	Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	2	Lead	ALTCem S100-12	AC3-10	Cement	100.00	%
1	2	Lead	ALTCem S100-12	ACL-10	Accelerator	2.00	lb/sk
1	2	Lead	ALTCem S100-12	ACL-20	Accelerator	5.00	%BWOB
1	2	Lead	ALTCem S100-12	ADF-11	Defoamer	0.30	%BWOB
1	2	Lead	ALTCem S100-12	ALC-10	LostCirculation	0.13	lb/sk
1	2	Lead	ALTCem S100-12	AXE-30	Extender	2.00	lb/sk
1	3	Tail	ALTCem S100-12	AC3-10	Cement	100.00	%
1	3	Tail	ALTCem S100-12	ACL-10	Accelerator	2.00	lb/sk
1	3	Tail	ALTCem S100-12	ACL-20	Accelerator	5.00	%BWOB
1	3	Tail	ALTCem S100-12	ADF-11	Defoamer	0.30	%BWOB
1	3	Tail	ALTCem S100-12	ALC-10	LostCirculation	0.13	lb/sk
1	3	Tail	ALTCem S100-12	AXE-30	Extender	2.00	lb/sk
1	5	Topout	ALTCem S100-12	AXE-30	Extender	2.00	lb/sk

2 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	Customer call out	4/12/2017	14:00					Customer call out
2	On location	4/12/2017	14:00					Trucks and crew already on location
3	Spot trucks	4/12/2017	14:50					Spots trucks
4	Safety meeting	4/12/2017	14:55					Pre-rig up safety meeting
5	Rig up	4/12/2017	15:00					Rig up bulk, water, and high pressure line
6	Waiting	4/12/2017	15:30					Waiting on rig to finish running casing
7	Safety meeting	4/12/2017	17:00					Pre-job safety meeting with company man and rig crew
8	Rig up	4/12/2017	17:15					Rig up head
9	Load lines	4/12/2017	17:32	8.34	3	3	54	Load pumps and lines, and send bottom plug
10	Pressure test	4/12/2017	17:33	8.34				Pressure test pumps and lines
11	Pump spacer	4/12/2017	17:37	8.34	4.7	20	58	Pump fresh water + dye spacer
12	Lead cement	4/12/2017	17:43	12	6	131	151	Pump 293 sacks of lead cement @12 ppg
13	Tail cement	4/12/2017	18:08	12.5	6	53	162	Pump 135 sacks of tail cement @12.5 ppg
14	Shut down	4/12/2017	18:20					Shut down, release top plug
15	Displacement	4/12/2017	18:24	8.34	7.3	0	41	Send plug, start fresh water displacement
16	Displacement	4/12/2017	18:34	8.34	6.8	50	124	Fresh water displacement
17	Spacer to surface	4/12/2017	18:42	8.34	6.8	102	450	Start getting spacer to surface
18	Cement to surface	4/12/2017	18:45	8.34	6.2	120	502	Start getting good cement to surface
19	Drop rate	4/12/2017	18:46	8.34	2.5	125	426	Drop rate
20	Land plug	4/12/2017	18:50	8.34	2.5	137	1293	Land plug at 600 psi, bump up to 1295
21	Casing test	4/12/2017	18:52	8.34			1509	Start casing test
22	Check floats	4/12/2017	19:07	8.34				Bleed off check floats (floats held) 1 bbl back
23	Safety meeting	4/12/2017	19:10					Pre-rig down safety meeting
24	Rig down	4/12/2017	19:15					Rig everything down
25	Leave location	4/12/2017	19:45					Bulk trucks leave location to get reloaded for the next surface, pump stays on location

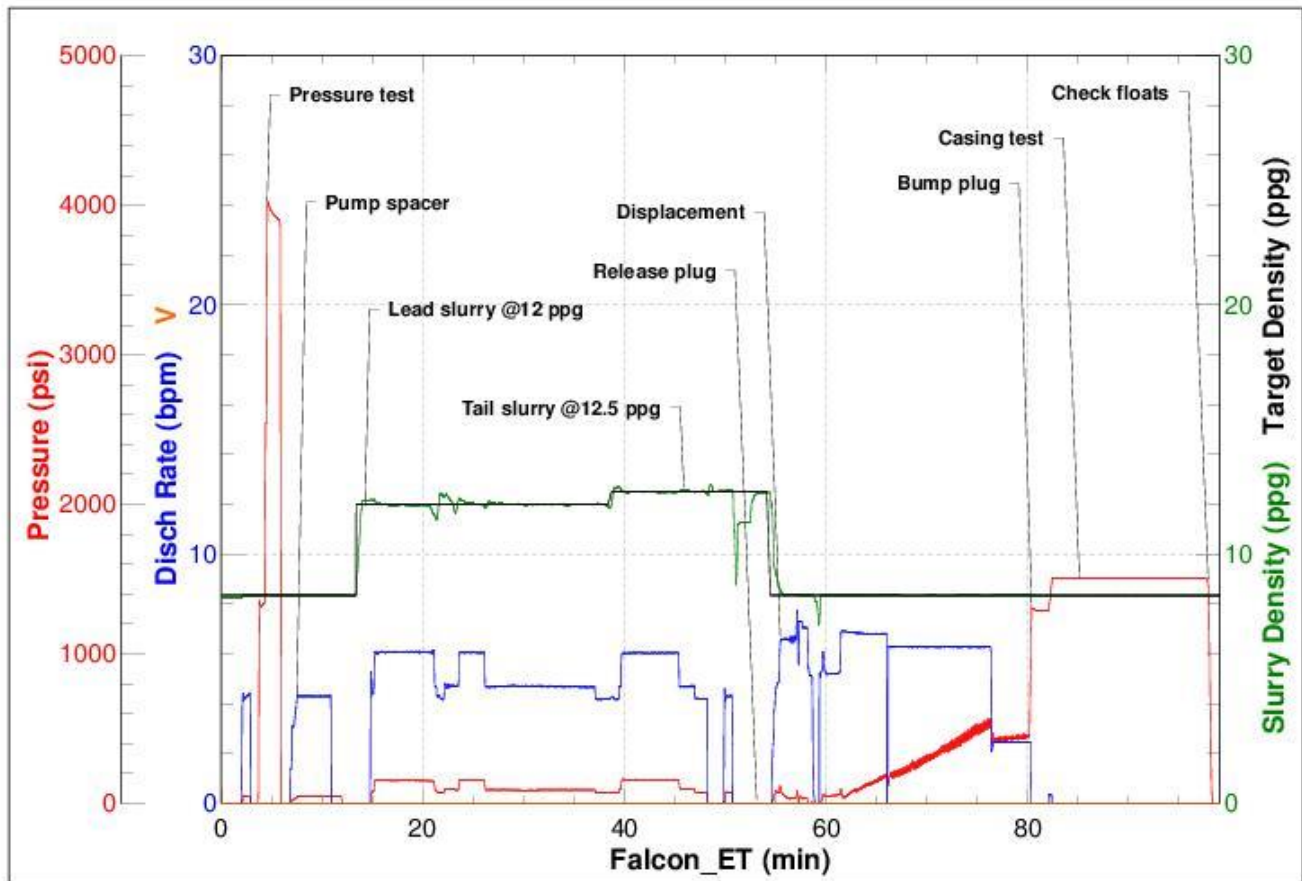


3 Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	51 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	400	0-1000
Total Hardness	>250 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	<500 mg/L	0-1500 mg/L
Potassium	200 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

4 Pump Diagrams

Job Number: 712
Customer: Petro Share
Well Name: Shook 3-10-1NAH



Job Start: Wednesday, April 12, 2017