



Petroshare Corporation

SURFACE POST JOB REPORT

Shook 3-10-5CDH 05-001-09979
S:3 T:1S R:67W Adams CO

CallSheet #: 731
Proposal #: 13165



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,

Nick Stille

Technical Specialist - I | (307) 286-0815 | nick.stille@bjservices.com

Field Office 1716 East Allison Rd., Cheyenne WY, 82007
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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	1816	0
Casing	Outer	16	15.25	65	n/a	0	40	0
Open Hole	Outer	n/a	13.5	n/a	n/a	40	1817	15

1.2 Equipment / People

Unit Type	Unit	Employee #1	Mileage
Cement Pump	PPC11250		176
Light Duty Pickups	3	Dewit, Eric	176
Bulk Trailer	E467	Scott, Matthew	176
Bulk Trailer	E421	Mellon, Zacahria	176

1.3 Timing

Event	Date/Time
Call Out	4/17/2017 14:30
Depart Facility	4/17/2017 14:30
On Location	4/17/2017 16:30
Rig Up Iron	4/17/2017 17:39
Job Started	4/17/2017 19:04
Job Completed	4/17/2017 20:43
Rig Down Iron	4/17/2017 21:10
Depart Location	4/17/2017 22:00

1.5 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 bbls
Actual Displacement	137 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	8 bbls
Well Topped Out	No

1.6 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

1.7 Job Details (cont.)

Metrics	Value
BHCT	95 °F
BHST	120 °F

1.8 Circulation

Lost Circulation Experienced
No



1.9 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

1.10 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

2 Job Logs

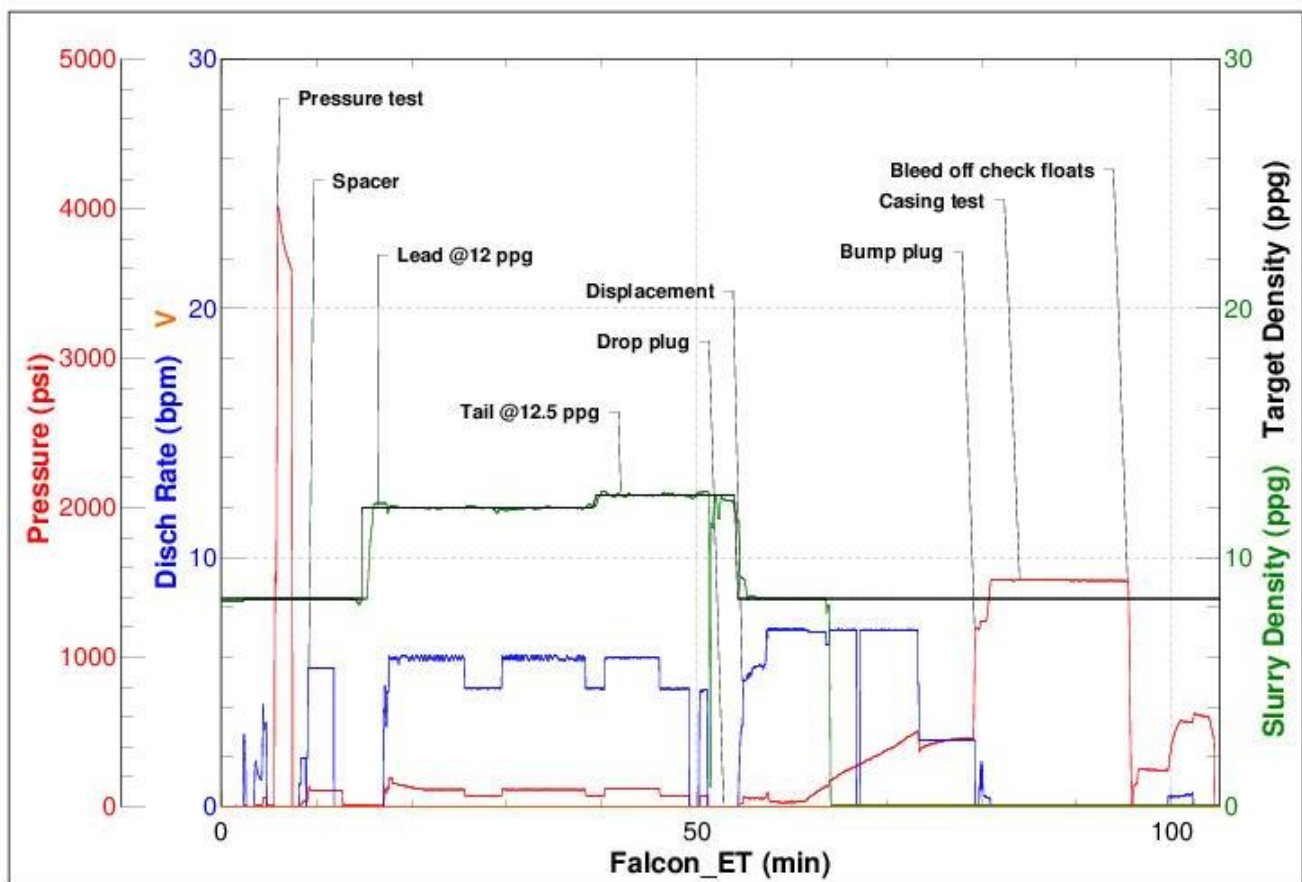
Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	Customer call out	4/17/2017	14:30					Customer calls with an RTS of 17:30
2	Arrive on location	4/17/2017	16:30					Bulk trucks arrive on location
3	Spot trucks	4/17/2017	17:30					Spot trucks
4	Safety meeting	4/17/2017	17:35					Pre-rig up safety meeting
5	Rig up	4/17/2017	17:39					Rig up bulk, water, and high pressure lines
6	Safety meeting	4/17/2017	18:43					Pre-job safety meeting with company man, and rig crew
7	Rig up	4/17/2017	18:55					Rig up cement head
8	Load lines	4/17/2017	19:04	8.34	3	3	54	Load pumps and lines, and send bottom plug
9	Pressure test	4/17/2017	19:06	8.34	0	0	4011	Pressure test pumps and lines
10	Pump spacer	4/17/2017	19:09	8.34	5.6	20	113	Pump fresh water + dye spacer
11	Lead cement	4/17/2017	19:16	12	6	131	134	Pump 293 sacks of lead cement @12 ppg (Yield - 2.53, Mix water - 14.85)
12	Tail cement	4/17/2017	19:41	12.5	6	53	120	Pump 135 sacks of tail cement @12.5 ppg (Yield - 2.22, Mix water - 12.58)
13	Shut down	4/17/2017	19:52					Shut down drop top plug
14	Displacement	4/17/2017	19:55	8.34	7	0	34	Send top plug start fresh water displacement
15	Displacement	4/17/2017	20:03	8.34	7	50	120	Fresh water displacement
16	Spacer to surface	4/17/2017	20:11	8.34	7	109	324	Start getting spacer to surface
17	Drop rate	4/17/2017	20:14	8.34	2.5	120	400	Drop pump rate
18	Cement to surface	4/17/2017	20:16	8.34	2.5	129	450	Start getting good cement to surface
19	Land plug	4/17/2017	20:20	8.34	2.5	137	1187	Land plug @503 psi, Bump up to 1187 psi
20	Casing test	4/17/2017	20:21	8.34	0	0	1518	Start casing test
21	Check floats	4/17/2017	20:36	8.34	0	0	0	Bleed off pressure check floats (floats did not hold)
22	Pump	4/17/2017	20:40	8.34	0.5	1.5	608	Put 600 psi on the casing and leave the head on for 4 hours per customer request
23	Safety meeting	4/17/2017	21:05					Pre-rig down safety meeting
24	Rig down	4/17/2017	21:10					Rig down everything

3 Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	52 °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: 731
Customer: Petro Share
Well Name: Shook 3-10-5CDH



Job Start: Monday, April 17, 2017