

Cement Post Job Report

Bayswater Exploration & Production
730 17th Street, Suite 610
Denver, CO 80202

STRAIGHT H #24-10
05-123-19816
S:10 T:5N R:65W
Weld, CO

Prepared For:

Brad Bivens
brad.bivens@iptenergyservices.com
(970) 630-1379

Job Completion Data:

2/23/2016
CallSheet #: 106
Proposal #: 12230

Submitted by:

Holden Fauber
(307) 757-6083
holdenfauber@altcem.com





Dear Mr. Bivens,

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

Sincerely,

Holden Fauber

Field Office

1716 East Allison Rd., Cheyenne Wy., 82007
Phone: (307) 638-5585

Sales Office

475 17th St. Suite 460 Denver Co., 80202
Phone: (303) 296-1158



Contents

Job Details & Summary 3

 Geometry 3

 Equipment / People 3

 Timing..... 3

 General Job Information 3

 Job Details 3

 Job Details (cont.)..... 3

 Circulation 4

 Job Execution Information 4

 Job Fluid Details 4

Job Logs 5

Water Analysis 6

Pump Diagrams 6

Field Ticket 7

 Service Charges 7

 Material Charges 7

 Grand Total 7

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	4.5	4	11.6	n/a	0	7413	0
Tubing	Inner	2.375	1.995	4.6	n/a	0	5800	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1	Employee #2
Cement Pump	103	203	Hyde, Zack	Montoya, Hector
Bulk Trailer	501	301	Orner, Lance	
Light Duty Pickups	5		Andrews, Anthony	

Timing

Event	Date/Time
Call Out	2/23/2016 12:00
Depart Facility	2/23/2016 14:30
On Location	2/23/2016 16:00
Rig Up Iron	2/23/2016 17:00
Job Started	2/23/2016 18:17
Job Completed	2/23/2016 19:16
Rig Down Iron	2/23/2016 20:00
Depart Location	2/23/2016 21:00

General Job Information

Metrics	Value
Well Fluid Density	8.4 lb/gal
Well Fluid Type	Water
Rig Circulation Vol	0 bbls
Rig Circulation Time	0 hours
Calculated Displacement	22.4 bbls
Actual Displacement	21 bbls
Total Spacer to Surface	0 bbls
Total CMT to Surface	2 bbls
Well Topped Out	N/A
Top Out Volume	bbls

Job Details

Metrics	Value
Flare Prior to Job	No
Flare Prior to Job	units
Flare During Job	No
Flare During Job	units
Flare at End of Job	No
Flare at End of Job	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	128 °F
BHST	196 °F
Initial ISIP	520 psi
Final ISIP	psi
Skis in Formation	skis
Injection #1	1 bpm
Injection #1	498 psi
Injection #2	2 bpm
Injection #2	750 psi



Circulation

Lost Circulation Experienced	Losses into Spacer	Losses into Cement	Losses into Displacement
No	0	0	0

Job Execution Information

Job	Fluid	Product	Function	Density (lb/gal)	Yield (ft ³ /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sk)	Volume (bbl)	Top (ft)
1	1	Water	Flush	8.33			42.00		10.00	0
1	2	ALTCem SQZ100-X1	Squeeze	15.80	1.15	4.91		100.00	20.43	5800
1	3	Water	DisplacementFinal	8.33			42.00		21.00	0

Job Fluid Details

Job	Fluid	Type	Fluid	Product	Function	Conc.	Uom	Start (gal)	End (gal)	Used (gal)
1	2	Squeeze	ALTCem SQZ100-X1	ACG-10	Cement	100.00	%			
1	2	Squeeze	ALTCem SQZ100-X1	AFL-13	FluidLoss	0.06	gal/sk	6	0	6
1	2	Squeeze	ALTCem SQZ100-X1	AR-40	Retarder	0.02	gal/sk	2	0	2



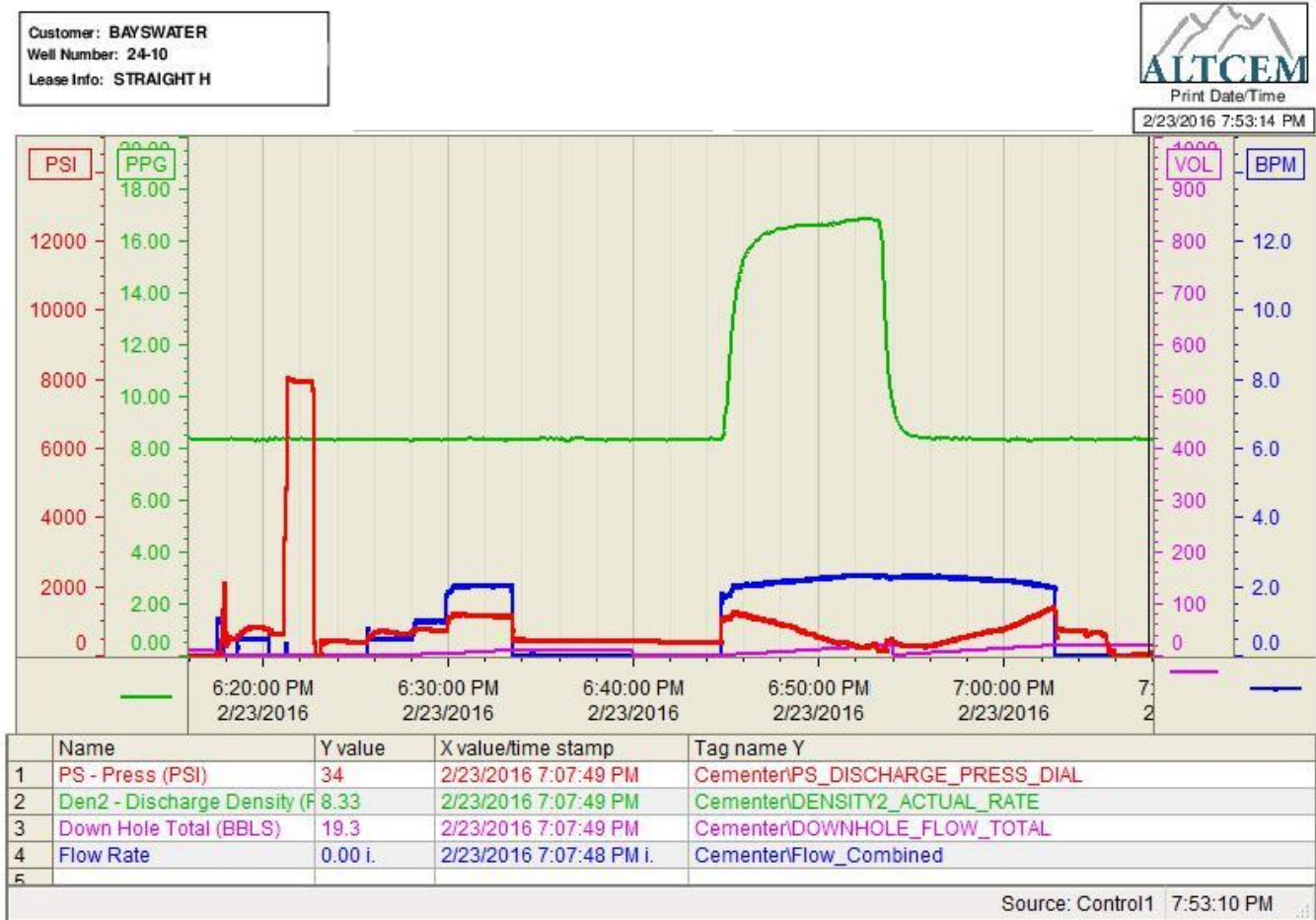
Job Logs

Line	#	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Annular Pressure (psi)	Comment
1		Call Out	2/23/2016	12:00						
2		Pre Convoy Meeting	2/23/2016	14:15						
3		Crew Leave Yard	2/23/2016	14:20						
4		Arrive At Loc	2/23/2016	16:00						
5		Assessment meeting	2/23/2016	16:10						
6		Spot Equip	2/23/2016	16:15						
7		Pre Rig-up Meeting	2/23/2016	16:25						
8		Rig Up Equip	2/23/2016	16:30						
9		Pre Job Meeting	2/23/2016	17:45						
10		Start Job	2/23/2016	18:17						RTNR @ 5800 2 3/8" 4.7#/ft tbgr in 4 1/2" CSG, Perfs @ 5850 to 5852'
11		Test Lines	2/23/2016	18:20						4000 PSI Test. Prior to testing lines, rig put 800 PSI on backside.
12		Pump Injection Test	2/23/2016	18:25	8.33	2	10	750		Pumped 10 bbl fresh H2O injection test starting @ 0.5 bpm (440 psi). Walked rate up to 2 bpm @ 750 PSI. ISIP @ 520.
13		Shutdown	2/23/2016	18:33						
14		Pump Cement	2/23/2016	18:44	15.8	2	20.4	750		100 sks @ 15.8 PPG 1.15 YLD 4.91 Gal/Sk H2O w/ AFL-20 and AR-40.
15		Pump Displacement	2/23/2016	18:53	8.33	2	21	700		Fresh H2O Displacement
16		Shutdown	2/23/2016	19:02						Shutdown, turn over to rig to sting out. Rig Reversed approx 30 bbls. Gained approx 2 bbls cement to surface.
17		Sting Out	2/23/2016	19:15						
18		Turn Over To Rig	2/23/2016	19:20						
19		End Job	2/23/2016	19:21						No add hours charged, Used 35 lb sugar.
20		Post Job Meeting	2/23/2016	19:30						
21		Rig Down Equip	2/23/2016	20:00						
22		Pre Convoy Meeting	2/23/2016	20:50						
23		Crew Leave Loc	2/23/2016	21:00						Thank You For Choosing ALTcem of Cheyenne, WY Anthony Andrews And Crew

Water Analysis

Metrics	Value	Recommended
Water Source	Water Truck	
Temperature	50 °F	50-80 °F
pH Level	5	5.5-8.5
Chlorides	272 mg/L	0-3000 mg/L
Total Alkalinity	40	0-1000
Total Hardness	25 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	<200 mg/L	0-1500 mg/L
Potassium	250 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Pump Diagrams





Field Ticket

Service Charges

Part #	Name	Unit Price	Unit	Quantity	Total
5	Additional Hours	\$1,500.00	hour	0	\$0.00
2	Depth Charge (based on MD)	\$0.50	foot	5800	\$2,900.00
7	Mobilization to Weld County	\$2,500.00	job	1	\$2,500.00
1	Pumping Charge (includes 8 hours of location time)	\$12,000.00	job	1	\$12,000.00
Subtotal:					\$17,400.00
Discount (%):					% 50.00
Discount (\$):					\$8,700.00
Total:					\$8,700.00

Material Charges

Part #	Name	Unit Price	Unit	Quantity	Unit	Total
2001	ACG-10	\$28.00	sack	100	sack	\$2,800.00
2307	AFL-13	\$191.40	gal	6	gal	\$1,148.40
2204	AR-40	\$18.90	gal	2	gal	\$37.80
2609	Sugar	\$5.00	lb	35	lb	\$175.00
Subtotal:						\$4,161.20
Discount (%):						% 50.00
Discount (\$):						\$2,080.60
Total:						\$2,080.60

Grand Total

Services	Materials	Grand Total
\$8,700.00	\$2,080.60	\$10,780.60