

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Chad Johnson	RIG	True 38
DISTRICT	Cheyenne, WY	COUNTY	WELD
SERVICE	Cementing	STATE / PROVINCE	CO

WELL GEOMETRY

TYPE	ID (in)	OD (in)	WEIGHT (lb/ft)	MD (ft)	TVD (ft)	EXCESS (%)
Open Hole	13.50	0.00	0.00	1,564.00	1,564.00	25.00
Casing	8.92	9.63	36.00	1,554.00	1,554.00	

HARDWARE

Bottom Plug Used?	No	Centralizers Type	Bow
Top Plug Used?	Yes	Landing Collar Depth (ft)	1,508
Top Plug Provided By	Non BJ	Pipe Movement	None
Top Plug Size	9.625	Job Pumped Through	Manifold
Centralizers Used	Yes	Top Connection Thread	LTC
Centralizers Quantity	17.00	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	9.00
Circulation Prior to Job	Yes	Mud Density Out (ppg)	9.00
Circulation Time (min)	60.00	Solids Present at End of Circulation	No
Lost Circulation Prior to Cement Job	No	Flare Prior to / during the Cement Job	No
Circulation Volume (bbls)		Gas Present	No

TEMPERATURE

Ambient Temperature (°F)	65.00	Mix Water Temperature (°F)	70.00
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FLUID DETAILS

FLUID TYPE	FLUID NAME	DENSITY (ppg)	YIELD (Cu Ft/sk)	H ₂ O REQ (gals/sk)	PLN TOP FLD (ft)	LENGTH (ft)	VOL (sk)	VOL (Cu Ft)	VOL (bbls)
Spacer / Pre Flush / Flush	Water	8.3337			0.00				20.0000
Lead Slurry	BJCem S100.03.1C	12.0000	2.5298	14.86	0.00	1,030.00	252	638.0000	113.5000
Tail Slurry	BJCem S100.03.1C	12.5000	2.2255	12.59	1,030.00	500.00	145	323.0000	57.5000
Displacement Final	Water	8.3337			0.00			0.0000	115.0000

FLUID TYPE	FLUID NAME	COMPONENT	CONCENTRATION	UOM
Spacer / Pre Flush / Flush	Water	Fresh Water	100.0000	PCT
Lead Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Lead Slurry	BJCem S100.03.1C	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Lead Slurry	BJCem S100.03.1C	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Lead Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
Lead Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Lead Slurry	BJCem S100.03.1C	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.03.1C	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Tail Slurry	BJCem S100.03.1C	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Tail Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem S100.03.1C	CEMENT, ASTM TYPE III	100.0000	PCT
Displacement Final	Water	Fresh Water	100.0000	PCT

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	25.00
Calculated Displacement Vol (bbls)	117.00	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	117.00	Amt of Spacer to Surface	20.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amt Bled Back After Job	0.50
Bump Plug Pressure (psi)	500.00	Total Volume Pumped (bbls)	315.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement Returns During Job	Full	Lost Circulation During Cement Job	No

Client: Bayswater Exploration & Production, LLC

Well: COT EAST #U-30-29HN

Well API: 05-123-50412

Start Date: 11/9/2019

End Date: 11/9/2019



BJ Cementing Event Log

Surface - Cheyenne, WY - Chad Johnson

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	11/09/2019 13:00	Callout					Crew called out requested on location for 19:00
2	11/09/2019 17:00	Arrive on Location					Crew arrived on location
3	11/09/2019 17:05	STEACS Briefing					Safety meeting
4	11/09/2019 17:20	Spot Units					Spotted all units
5	11/09/2019 17:25	Rig Up					Rigged up all equipment
6	11/09/2019 18:30	STEACS Briefing					Safety meeting
7	11/09/2019 18:50	Prime Up	8.3400	3.00	5.00	100.00	Fill lines
8	11/09/2019 18:52	Pressure Test					Pressure test lines
9	11/09/2019 18:54	Pump Spacer	8.3400	5.00	20.00	100.00	Pump water spacer
10	11/09/2019 19:02	Pump Lead Cement	12.0000	7.00	114.00	250.00	Pump lead cement (252 sks, 2,53 Y, 14.86 gal/sk)
11	11/09/2019 19:20	Pump Tail Cement	12.5000	7.00	59.00	250.00	Pump tail cement (145 sks, 2,23 Y, 12.57 gal/sk)
12	11/09/2019 19:28	Other (See comment)					Shutdown
13	11/09/2019 19:31	Drop Top Plug					Drop top plug
14	11/09/2019 19:32	Pump Displacement	8.3400	7.00	100.00	600.00	Pump displacement
15	11/09/2019 19:50	Cement Back-to-Surface					Cement back to surface, 25 bbls cement to surface
16	11/09/2019 19:52	Other (See comment)	8.3400	3.00	17.00	400.00	Slow pump rate
17	11/09/2019 20:00	Land Plug					Land plug at 400 psi, took to 900 psi
18	11/09/2019 20:03	Check Floats					Check floats holding, 0.5 bbls back
19	11/09/2019 20:10	STEACS Briefing					Safety meeting
20	11/09/2019 20:20	Rig Down					Rigged down all equipment
21	11/09/2019 21:00	Leave Location					Crew departed location

Client: Bayswater Exploration & Production, LLC

Well Name / API: COT EAST #U-30-29HN / 05-123-50412

Well MD: 1564



Quote #: QUO-38506-L3N0W7

Plan #: ORD-22439-B0T8H3

Execution #: EXC-22439-B0T8H302



JobMaster Program Version 4.02C1

Job Number:

Customer: Bayswater

Well Name: COT EAST U-30-29HN

