

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 (%)
Casing	8.92	9.63	36.00	1,550.00	1,550.00	
Open Hole	13.50	0.00	0.00	1,560.00	1,560.00	25.00

HARDWARE

Bottom Plug Used?	No	Centralizers Type	Bow
Top Plug Used?	Yes	Landing Collar Depth (ft)	1,502
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 Out (ppg)	9.00
Circulation Prior to Job	Yes	Solids Present at End of Circulation	No
Circulation Time (min)	60.00	Flare Prior to / during the Cement Job	No
Lost Circulation Prior to Cement Job	No	Gas Present	No
Mud Density In (ppg)	9.00		

TEMPERATURE

Ambient Temperature (°F)	55.00	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	CEMENT, ASTM TYPE III	100.0000	PCT
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	IntegraSeal POLI	0.1300	LBS/SK
Lead Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Lead Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	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	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Tail Slurry	BJCem S100.03.1C	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Displacement Final	Water	Fresh Water	100.0000	PCT

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	27.00
Calculated Displacement Vol (bbls)	116.00	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	116.00	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)	400.00	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

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	11/10/2019 10:00	Callout					Crew called out requested on location for 1600
2	11/10/2019 14:00	Arrive on Location					Crew arrived on location
3	11/10/2019 14:05	STEACS Briefing					Safety meeting
4	11/10/2019 14:20	Spot Units					Spotted all units
5	11/10/2019 14:25	Rig Up					Rigged up all equipment
6	11/10/2019 15:30	STEACS Briefing					Safety meeting
7	11/10/2019 15:54	Prime Up	8.3400	3.00	5.00	100.00	Fill lines
8	11/10/2019 15:55	Pressure Test					Pressure test lines to 2000 psi
9	11/10/2019 16:00	Pump Spacer	8.3400	5.00	20.00	100.00	Pump water spacer
10	11/10/2019 16:04	Pump Lead Cement	12.0000	7.00	114.00	250.00	Pump lead cement (252 sks, 2.53 Y, 14.86 gal/sk)
11	11/10/2019 16:20	Pump Tail Cement	12.5000	7.00	59.00	250.00	Pump tail cement (143 sks, 2,23 Y, 12.57 gal/sk)
12	11/10/2019 16:28	Other (See comment)					Shutdown
13	11/10/2019 16:30	Drop Top Plug					Drop top plug
14	11/10/2019 16:32	Pump Displacement	8.3400	7.00	100.00	500.00	Pump displacement
15	11/10/2019 16:47	Cement Back-to-Surface					Cement back to surface, 27 bbls cement to surface
16	11/10/2019 16:49	Other (See comment)	8.3400	3.00	16.00	400.00	Slow pump rate
17	11/10/2019 16:55	Land Plug					Land plug at 400 psi, took to 900 psi
18	11/10/2019 16:58	Check Floats					Check floats, floats holding, 0.5 bbls back
19	11/10/2019 17:00	STEACS Briefing					Safety meeting
20	11/10/2019 17:15	Rig Down					Rigged down all equipment
21	11/10/2019 19:00	Leave Location					Crew departed location

Client: Bayswater Exploration & Production, LLC

Well Name / API: COT EAST #T-30-29HC / 05-123-50415

Well 1560 MD:

Quote #: QUO-38507-K0K3B4

Plan #: ORD-22455-V3C6G8

Execution #: EXC-22455-V3C6G802





JobMaster Program Version 4.02C1

Job Number:

Customer: Bayswater

Well Name: COT East T-30-29HC

