

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Gregory Black	RIG	True 38
CLIENT FIELD REPRESENTATIVE	Scott	COUNTY	WELD
DISTRICT	Cheyenne, WY	STATE / PROVINCE	CO
SERVICE	Cementing		

WELL GEOMETRY

TYPE	ID (in)	OD (in)	WEIGHT (lb/ft)	MD (ft)	TVD (ft)	EXCESS (%)
Open Hole	13.50	0.00	0.00	1,575.00	1,575.00	25.00
Casing	8.92	9.63	36.00	1,565.00	1,565.00	

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	1,516.00
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	3012.00
Top Plug Size	9.625	Max Casing Pressure - Operated (psi)	2020.00
Centralizers Used	Yes	Pipe Movement	None
Centralizers Quantity	17.00	Job Pumped Through	Manifold
Centralizers Type	Bow	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,516	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	8.80
Circulation Prior to Job	Yes	Mud Density Out (ppg)	8.80
Circulation Time (min)	0.30	Solids Present at End of Circulation	No
Circulation Rate (bpm)	8.00	Flare Prior to / during the Cement Job	No
Circulation Volume (bbls)	240.00	Gas Present	No
Lost Circulation Prior to Cement Job	No		

TEMPERATURE

Ambient Temperature (°F)	13.00	Slurry Cement Temperature (°F)	55.00
Mix Water Temperature (°F)	50.00		

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	117.0000

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 Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
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 EXTENDER, GYPSUM, A-10	5.0000	BWOB
Tail Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
Tail Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Tail Slurry	BJCem S100.03.1C	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
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
Displacement Final	Water	Fresh Water	100.0000	PCT

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	Rig	Amt of Cement Returned / Reversed	27.00
Calculated Displacement Vol (bbls)	117.00	Method Used to Verify Returns	Flowmeter
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)	750.00	Total Volume Pumped (bbls)	310.00
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 #S-30-29HN

Well API: 05-123-50416

Start Date: 11/12/2019

End Date: 11/12/2019



BJ Cementing Event Log

Surface - Cheyenne, WY - Gregory Black

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	11/12/2019 03:00	Callout					Crew called out with a RTS of 09:00
2	11/12/2019 6:30	Arrive on Location					Crew arrived on location.
3	11/12/2019 06:30	STEACS Briefing					Crew has spotting procedure and rig up safety meeting.
4	11/12/2019 06:35	Rig Up					Crew rigs up.
5	11/12/2019 07:30	Rig					Crew waiting for rig to finish running casing and circulating.
6	11/12/2019 09:30	STEACS Briefing					Crew holds a job procedure and safety meeting with rig crew and company man
7	11/12/2019 09:40	Prime Up	8.3400	2.80	2.00		Crew primes up pumps and lines for pressure testing.
8	11/12/2019 09:42	Pressure Test	8.3400			2800.00	Crew holds pressure test.
9	11/12/2019 09:45	Pump Spacer	8.3400	4.00	20.00	200.00	Pumped dyed spacer
10	11/12/2019 09:50	Pump Lead Cement	12.0000	5.50	113.50	300.00	Pumped lead sks:252, yield:2.52, gps:14.86
11	11/12/2019 10:10	Pump Tail Cement	12.5000	5.50	57.50	270.00	Pumped tail sks:145, yield:2.22, gps:12.59
12	11/12/2019 10:22	Drop Top Plug					Plug launched with company man verification.
13	11/12/2019 10:29	Pump Displacement	8.3400	5.50	20.00	162.00	Washup on the plug and displace.
14	11/12/2019 10:33	Pump Displacement	8.3400	6.00	77.00	200.00	Pumped displacement good returns.
15	11/12/2019 10:45	Spacer Back-to-Surface					Spacer back @70 bbls away,20 total bbls back.
16	11/12/2019 10:45	Cement Back-to-Surface					Cement back @90 bbls away,27 total bbls back.
17	11/12/2019 10:45	Pump Displacement	8.3400	2.80	20.00	450.00	Slowed rate to land plug.
18	11/12/2019 10:52	Other (See comment)					Bumped plug final circulation 450 psi. Of, took to 1035 psi.
19	11/12/2019 10:52	Check Floats					Floats held .5 bbls back.
20	11/12/2019 10:54	STEACS Briefing					Rig down safety meeting.
21	11/12/2019 10:59	Rig Down					Crew rigs down.
22	11/12/2019 11:30	STEACS Briefing					Return journey safety meeting.
23	11/12/2019 11:35	Leave Location					Crew leaves location.

Client: Bayswater Exploration & Production, LLC

Well Name / API: COT EAST #S-30-29HN / 05-123-50416

Well 1575 MD:



Quote #: QUO-38509-R2D9V4

Plan #: ORD-22489-G9D4G6

Execution #: EXC-22489-G9D4G602



JobMaster Program Version 4.02C1

Job Number:

Customer: Bayswater

Well Name: COT EAST S-30-29HN

