

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Gregory Black	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	1,572.00	1,572.00	25.00
Casing	8.92	9.63	36.00	1,562.00	1,562.00	

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	1,518.00
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	16.00	Job Pumped Through	Manifold
Centralizers Type	Bow	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,518	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	8.70
Circulation Prior to Job	Yes	Mud Density Out (ppg)	8.70
Circulation Time (min)	0.30	Solids Present at End of Circulation	No
Circulation Rate (bpm)	6.00	Flare Prior to / during the Cement Job	No
Circulation Volume (bbls)	180.00	Gas Present	No
Lost Circulation Prior to Cement Job	No		

TEMPERATURE

Ambient Temperature (°F)	35.00	Slurry Cement Temperature (°F)	45.00
Mix Water Temperature (°F)	45.00		

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	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	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	CEMENT, ASTM TYPE III	100.0000	PCT
Lead Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Lead Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	LBS/SK
Tail Slurry	BJCem S100.03.1C	IntegraSeal POLI	0.1300	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
Tail Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
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	BJ	Amt of Cement Returned / Reversed	33.00
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?	No	Pressure Left on Casing (psi)	1000.00
Bump Plug	Yes	Amt Bled Back After Job	0.50
Bump Plug Pressure (psi)	1100.00	Total Volume Pumped (bbls)	309.00
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 - Gregory Black

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	01/30/2020 09:00	Callout					Called out with a RTS of 1500.
2	01/30/2020 09:00	Arrive on Location					Arrived on location.
3	01/30/2020 14:00	STEACS Briefing					Pre rig up safety and job procedure.
4	01/30/2020 14:05	Rig Up					Rigged up.
5	01/30/2020 15:00	Rig					Waited on rig to finish running casing and circulating.
6	01/30/2020 16:50	STEACS Briefing					Pre job safety meeting with crew, rig crew and company man.
7	01/30/2020 17:11	Prime Up	8.3400	2.50	2.00	40.00	Primed up treating iron.
8	01/30/2020 17:15	Pressure Test	8.3400				Pressure test.
9	01/30/2020 17:20	Pump Spacer	8.3400	4.30	20.00	192.00	Pumped water spacer with blue dye.
10	01/30/2020 17:20	Pump Lead Cement	12.0000	7.50	113.50	350.00	Pumped 252 sks; Yield:2.52; GPS: 14.86.
11	01/30/2020 17:41	Pump Tail Cement	12.5000	5.30	57.50	189.00	Pumped 145 sks; Yield:2.22; GPS: 12.59.
12	01/30/2020 17:51	Drop Top Plug					Dropped plug and pumper setting up to washup and displace.
13	01/30/2020 17:57	Pump Displacement	8.3400	4.70	20.00	50.00	Pumped displacement and washed up on the plug.
14	01/30/2020 18:01	Pump Displacement	8.3400	5.20	77.00	400.00	Pumped diesel displacement.
15	01/30/2020 18:21	Spacer Back-to-Surface					20 bbls of spacer back.
16	01/30/2020 18:21	Cement Back-to-Surface					33 bbls of cement back.
17	01/30/2020 18:21	Pump Displacement	8.3400	2.70	20.00	400.00	Slowed rate and pumped water displacement to land plug.
18	01/30/2020 18:29	Land Plug					Plug landed total of 117 bbls pumped. Final circulation pressure was 550 took to 1050 psi.
19	01/30/2020 18:34	Check Floats					Floats did not hold.
20	01/30/2020 18:37	Other (See comment)					Re pressured up and waited 10 minutes and floats did not hold so pressured up on it again to 1000 psi and shut in at head.
21	01/30/2020 18:47	STEACS Briefing					Rig down safety meeting.
22	01/30/2020 18:52	Rig Down					Rigged down.
23	01/30/2020 19:00	STEACS Briefing					Return journey safety meeting.
24	01/30/2020 19:04	Leave Location					Left location.

Client: Bayswater Exploration & Production, LLC

Well Name / API: COT WEST #R-30-25HN / 05-123-50414

Well MD: 1572



Quote #: QUO-41650-R3T1P2

Plan #: ORD-24251-Q6V2K7

Execution #: EXC-24251-Q6V2K702



JobMaster Program Version 4.02C1

Job Number:

Customer: Bayswater

Well Name: COT WEST R-30-25HN

