





Quote #:

Execution #:



BJ

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Eric Dewit	CLIENT FIELD REPRESENTATIVE	Greg
DISTRICT	Cheyenne, WY	COUNTY	ADAMS
SERVICE	Cementing	STATE / PROVINCE	CO

WELL GEOMETRY

TYPE	ID (in)	OD (in)	WEIGHT (lb/ft)	MD (ft)	TVD (ft)	EXCESS (%)	GRADE	THREAD
Open Hole	13.50	0.00	0.00	1,890.00	1,890.00	15.00		
Casing	8.92	9.63	36.00	1,890.00	1,890.00		J-55	LTC

HARDWARE

Bottom Plug Used?	Yes	Tool Type	Float Collar
Bottom Plug Provided By	Non BJ	Tool Depth (ft)	1,847.00
Bottom Plug Size	9.625	Max Casing Pressure - Rated (psi)	2816.00
Top Plug Used?	Yes	Max Casing Pressure - Operated (psi)	1500.00
Top Plug Provided By	Non BJ	Pipe Movement	None
Top Plug Size	9.625	Job Pumped Through	Manifold
Centralizers Used	No	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,847	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Lost Circulation Prior to Cement Job	No
Circulation Prior to Job	Yes	Solids Present at End of Circulation	No
Circulation Time (min)	40.00	Flare Prior to / during the Cement Job	No
Circulation Rate (bpm)	5.00	Gas Present	No
Circulation Volume (bbls)	200.00		

TEMPERATURE

Ambient Temperature (°F)	90.00	Slurry Cement Temperature (°F)	75.00
Mix Water Temperature (°F)	70.00		

Client: Petroshare Corporation

Well: Brighton Lakes 20-17-2CDH

Well API: 05-001-10084

Start Date: 7/20/2019

End Date: 7/20/2019



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	1,450.00	320	810.0000	144.2000
Tail Slurry	BJCem S100.03.1C	12.5000	2.2255	12.59	1,450.00	500.00	135	299.0000	53.2000
Displacement Final	Water	8.3337			0.00			0.0000	147.5000

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, 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
Lead Slurry	BJCem S100.03.1C	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
Lead 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	Cement Additive, Sodium Metasilicate A-2	2.0000	LBS/SK
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	IntegraSeal POLI	0.1300	LBS/SK
Tail Slurry	BJCem S100.03.1C	FOAM PREVENTER, FP-25	0.3000	BWOB
Displacement Final	Water	Fresh Water	100.0000	PCT

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DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	11.00
Calculated Displacement Vol (bbls)	143.30	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	143.30	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)	1556.00	Total Volume Pumped (bbls)	362.30
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement Returns During Job	Full	Lost Circulation During Cement Job	No

Comments

JOB SUMMARY

Lost returns at 80 bbls away during displacement, got them back at 100 bbls away.

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BJ Cementing Event Log

Surface - Cheyenne, WY - Eric Dewit

SEQ	START DATE / TIME	EVENT	DENSITY (ppg)	PUMP RATE (bpm)	PUMP VOL (bbls)	PIPE PRESSURE (psi)	COMMENTS
1	07/20/2019 01:30	Callout					Customer calls with an RTS of 07:30 on Saturday July 20th
2	07/20/2019 01:30	Other (See comment)					Crew gets equipment ready to go to location
3	07/20/2019 04:30	Depart for Location					Crew leaves yard to travel to location
4	07/20/2019 07:00	Arrive on Location					Arrive on location (rig is going in the hole with the 1st joint of casing)
5	07/20/2019 07:00	STEACS Briefing					Pre-rig up safety meeting with BJ crew
6	07/20/2019 07:10	Spot Units					Spot equipment on location
7	07/20/2019 07:20	Rig Up					Rig up bulk, water, and high-pressure treating line
8	07/20/2019 07:50	Rig					Waiting on the rig to finish RIH with casing
9	07/20/2019 11:05	Drop Bottom Plug					Put bottom plug into casing before rigging up cement head
10	07/20/2019 11:15	Rig Up					Rig up cement head
11	07/20/2019 11:30	STEACS Briefing					Pre-job safety meeting with BJ crew, Rig crew, and Company man
12	07/20/2019 11:44	Other (See comment)	8.3400	4.10	2.00	91.00	Load pumps and lines with 2 bbls of fresh water
13	07/20/2019 11:47	Pressure Test	8.3400	0.00	0.00	3000.00	Pressure test pumps and lines
14	07/20/2019 11:51	Pump Spacer	8.3400	5.60	20.00	363.00	Pump 20 bbls of fresh water + Dye
15	07/20/2019 12:01	Pump Lead Cement	12.0000	5.60	144.00	343.00	Pump 320 sks of lead cement @12 ppg
16	07/20/2019 12:20	Pump Tail Cement	12.5000	5.60	53.00	173.00	Pump 135 sks of tail cement @12.5 ppg
17	07/20/2019 12:40	Drop Top Plug					Shut down to drop the top plug
18	07/20/2019 12:49	Pump Displacement	8.3400	5.60	0.00	178.00	Send top plug, start fresh water displacement
19	07/20/2019 12:49	Pump Displacement	8.3400	5.60	50.00	303.00	Pump displacement
20	07/20/2019 12:59	Other (See comment)	8.3400	5.60	80.00	360.00	Lost returns
21	07/20/2019 13:04	Other (See comment)	8.3400	5.60	100.00	609.00	Got full returns back
22	07/20/2019 13:08	Other (See comment)	8.3400	2.80	123.00	400.00	Drop rate to land the plug
23	07/20/2019 13:12	Cement Back-to-Surface	8.3400	2.80	132.00	480.00	Start getting good cement to surface

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Client: Petroshare Corporation

Well: Brighton Lakes 20-17-2CDH

Well 05-001-10084

API:



Plan #: ORD-19727-G6Z5Z8

Execution #: EXC-19727-G6Z5Z802

Quote #: QUO-34164-B0L7X6

24	07/20/2019 13:19	Land Plug	8.3400	2.80	143.00	1556.00	Land plug with 509 psi, bump up to 1556 psi, hold pressure for a few minutes before checking floats
25	07/20/2019 13:23	Check Floats	8.3400	0.00	0.00	0.00	Check floats (floats held) .5 bbls back
26	07/20/2019 13:26	STEACS Briefing					Pre-rig down safety meeting
27	07/20/2019 13:34	Rig Down					Rig down the floor and, water, and bulk, and spot the field bin in place for the next surface jobs
28	07/20/2019 14:40	Leave Location					Leave location





JobMaster Program Version 4.02C1
Job Number: 16924
Customer: Petro Share
Well Name: Brighton Lakes 20-17-2CDH

