

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Brian Boyd	FORMATION	
CLIENT FIELD REPRESENTATIVE	Tim	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 (%)	GRADE	THREAD
Open Hole	13.50	0.00	0.00	1,560.00	1,560.00	25.00		
Casing	8.92	9.63	36.00	1,550.00	1,550.00			

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Bottom Plug Provided By		Tool Depth (ft)	1,506.00
Bottom Plug Size		Max Tubing Pressure - Rated (psi)	
Top Plug Used?	Yes	Max Tubing Pressure - Operated (psi)	
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	3512.00
Top Plug Size	9.625	Max Casing Pressure - Operated (psi)	2012.00
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)	1,506	Top Connection Size	9.626

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	YP Mud In	1
Circulation Prior to Job	Yes	YP Mud Out	
Circulation Time (min)	45.00	Solids Present at End of Circulation	No
Circulation Rate (bpm)	6.00	10 sec SGS	1
Circulation Volume (bbls)	150.00	10 min SGS	1
Lost Circulation Prior to Cement Job	No	30 min SGS	
Mud Density In (ppg)	8.40	Flare Prior to / during the Cement Job	No
Mud Density Out (ppg)		Gas Present	No
PV Mud In	2	Gas Units	
PV Mud Out			

TEMPERATURE

Ambient Temperature (°F)	46.00	Slurry Cement Temperature (°F)	68.00
Mix Water Temperature (°F)	57.00	Flow Line Temperature (°F)	80.00

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	1,050.00	255	641.0000	114.1000
Tail Slurry	BJCem S100.03.1C	12.5000	2.2255	12.59	926.00	500.00	145	324.0000	57.6000
Displacement Final	Water	8.3337			0.00			0.0000	116.6000

FLUID TYPE	FLUID NAME	COMPONENT	CONCENTRATION	UOM
Spacer / Pre Flush / Flush	Water	Fresh Water	100.0000	PCT
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	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
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	IntegraSeal POLI	0.1300	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 Additive, Sodium Metasilicate A-	2.0000	LBS/SK

Client Name: Bayswater Exploration & Production, LLC

Well: G & D HANKS M-27-28HN

Well API: 05-123-46027

Start Date: 4/14/2019

End Date: 4/15/2019

Field Ticket #:



		2		
Tail Slurry	BJCem S100.03.1C	CEMENT EXTENDER, GYPSUM, A-10	5.0000	BWOB
Displacement Final	Water	Fresh Water	100.0000	PCT

TREATMENT SUMMARY

TIME	FLUID	RATE (bpm)	FLUID VOL (bbls)	PIPE PRESS (psi)	ANNULUS PRESS (psi)	COMMENTS
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MIN / MAX / AVG PRESSURE AND RATES

	MIN	MAX	AVG
Pressure (psi)	70.00	3500.00	400.00
Rate (bpm)	0.50	7.00	6.00



DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ
Calculated Displacement Vol (bbls)	116.00
Actual Displacement Vol (bbls)	116.00
Did Float Hold?	Yes
Bump Plug	No
Bump Plug Pressure (psi)	280.00
Were Returns Planned at Surface	Yes
Cement Returns During Job	Full

Amt of Cement Returned / Reversed	6.00
Method Used to Verify Returns	Visual
Amt of Spacer to Surface	20.00
Pressure Left on Casing (psi)	0.00
Amt Bled Back After Job	0.50
Total Volume Pumped (bbls)	307.00
Top Out Cement Spotted	No
Lost Circulation During Cement Job	No

CEMENT PLUG

Bottom of Cement Plug?	No
Wiper Ball Quantity	
Number of Plugs	

Wiper Balls Used?	No
Plug Catcher	No

SQUEEZE

Injection Rate (bpm)	
Injection Pressure (psi)	
Type of Squeeze	
Operators Max SQ Pressure (psi)	

Fluid Density (ppg)	
ISIP (psi)	
FSIP (psi)	

Comments

TREATMENT REPORT

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Bayswater

