



Great Western Operating Company, LLC

POSTLE IC 09-059HNX

API # 05-123-47374

Surface

February 07, 2020

Quote #: QUO-41615-H2R1D4

Execution #: EXC-24363-M6Y9B802



Great Western Operating Company, LLC

Great Western Operating Company, LLC | 1801 Broadway, Suite 500 | Denver, CO 80202

Dear Great Western Operating Company, LLC,

Thank you for the opportunity to provide cementing services on this well. BJ Services strives to achieve complete customer satisfaction. If you have any questions regarding the services or data provided, please contact BJ Services at any time.

Sincerely,
Jason Creel
Field Engineer I | (307) 256-0306 | Jason.Creel@BJServices.com

Field Office
1716 East Allison Rd., Cheyenne WY. 82007 | (307) 638-5585

Sales Office
999 18th St. Suite 1200, Denver, CO. 80202 | (281) 408-2361

BJ Cementing Treatment Report

SERVICE SUPERVISOR	Eric Dewit	RIG	Ikon 12
CLIENT FIELD REPRESENTATIVE	Kyle	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 (%)	GRADE	THREAD
Open Hole	13.50	0.00	0.00	1,552.00	1,552.00	30.00		
Casing	8.92	9.63	36.00	1,552.00	1,552.00		J-55	LTC

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	1,507.84
Top Plug Provided By	Non BJ	Max Casing Pressure - Rated (psi)	3000.00
Top Plug Size	9.625	Max Casing Pressure - Operated (psi)	1500.00
Centralizers Used	Yes	Pipe Movement	None
Centralizers Quantity	15.00	Job Pumped Through	Manifold
Centralizers Type	Bow	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,507.84	Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	8.40
Circulation Prior to Job	Yes	Mud Density Out (ppg)	8.40
Circulation Time (min)	30.00	Solids Present at End of Circulation	No
Lost Circulation Prior to Cement Job	No	Flare Prior to / during the Cement Job	No
		Gas Present	No

TEMPERATURE

Ambient Temperature (°F)	26.00	Slurry Cement Temperature (°F)	52.00
Mix Water Temperature (°F)	51.00		

Client: Great Western Operating Company, LLC

Well: POSTLE IC 09-059HNX

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Start Date: 2/7/2020

End Date: 2/7/2020

Field Ticket #: FT-24363-M6Y9B80201-1645236924



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	8.3300			0.00				20.0000
Tail Slurry	BJCem S100.3.XC	14.5000	1.3902	6.81	0.00	1,525.00	710	987.0000	175.6000
Displacement Final	Water	8.3300			0.00			0.0000	114.7000

FLUID TYPE	FLUID NAME	COMPONENT	CONCENTRATION	UOM
Tail Slurry	BJCem S100.3.XC	CEMENT, ASTM TYPE III	100.0000	PCT

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amt of Cement Returned / Reversed	38.00
Calculated Displacement Vol (bbls)	115.50	Method Used to Verify Returns	Visual
Actual Displacement Vol (bbls)	115.50	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
Were Returns Planned at Surface	Yes	Total Volume Pumped (bbls)	312.50
Cement Returns During Job	Yes	Top Out Cement Spotted	No
		Lost Circulation During Cement Job	No

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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	02/06/2020 23:00	Callout					Customer calls with an OL time on 05:00 on 2/7/20
2	02/07/2020 05:00	Requested Time					Crew is already on location, and everything is rigged up
3	02/07/2020 05:00	Rig					Waiting on rig to finish running casing
4	02/07/2020 06:19	STEACS Briefing					Pre-job safety meeting with BJ crew, Rig crew, and Company man
5	02/07/2020 06:33	Other (See comment)	8.3400	2.80	2.00	76.00	Load lines with 2 bbls of fresh water
6	02/07/2020 06:35	Pressure Test	8.3400	0.00	0.00	3422.00	
7	02/07/2020 06:40	Pump Spacer	8.3400	4.10	20.00	514.00	Pump 20 bbls of fresh water + Dye ahead
8	02/07/2020 06:48	Pumping Cement	14.5000	4.10	175.00	483.00	Pump 710 sks of cement @14.5 ppg
9	02/07/2020 07:37	Drop Top Plug					Shut down and drop top plug
10	02/07/2020 07:40	Pump Displacement	8.3400	8.00	0.00	472.00	Send plug start fresh water displacement
11	02/07/2020 07:49	Spacer Back-to-Surface	8.3400	8.00	57.00	950.00	
12	02/07/2020 07:51	Cement Back-to-Surface	8.3400	8.00	77.00	1061.00	38 bbls of cement to surface
13	02/07/2020 07:54	Pump Displacement	8.3400	2.80	95.00	533.00	Drop rate to land the plug
14	02/07/2020 08:02	Land Plug	8.3400	2.80	115.00	1228.00	15 min. csg test: start 1226 psi, end 1234 psi.
15	02/07/2020 08:18	Check Floats	8.3400	0.00	0.00	0.00	Floats held (.5 bbls back)
16	02/07/2020 08:20	STEACS Briefing					
17	02/07/2020 08:30	Rig Down					



JobMaster Program Version 5.00C1

Job Number:

Customer: Great Western

Well Name: Postle IC 09-059HNX

