



# Great Western Operating Company, LLC

## Surface Post Job Report

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Postle IC 09-299HN (05-123-46041)

S:11 T:3N R:68W Weld CO

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# Great Western Operating Company, LLC

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

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Dear Great Western Operating Company,

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,  
Jacob Ojeda  
Field Engineer I | (763) 516-3012 | [jacob.ojeda@bjservices.com](mailto:jacob.ojeda@bjservices.com)

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

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

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# Cementing Treatment



<b>Start Date</b>	10/18/2017	<b>Well</b>	Postle IC 09-299HN
<b>End Date</b>	10/22/2017	<b>County</b>	Adams
<b>Client</b>	GREAT WESTERN OPERATING COMPANY, LLC	<b>State/Province</b>	CO
<b>Client Field Rep</b>	Roberts, Dale	<b>API</b>	05-001-46041
<b>Service Supervisor</b>	Casciato, Luke	<b>Rig</b>	Cartel
<b>Field Ticket No.</b>	2084	<b>Type of Job</b>	Surface
<b>District</b>	Cheyenne, WY		

## WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	13.50			1,528.00	1,527.90	25.00		
Casing	8.92	9.63	36.00	1,528.00	1,527.90		J-55	LTC

**Shoe Length (ft):** 45

## HARDWARE

<b>Bottom Plug Used?</b>	No	<b>Top Plug Size</b>	9.625
<b>Top Plug Used?</b>	Yes	<b>Centralizers Used</b>	Yes
<b>Top Plug Provided By</b>	Costumer	<b>Landing Collar Depth (ft)</b>	1,486

## CIRCULATION PRIOR TO JOB

<b>Well Circulated By</b>	Rig	<b>Mud Density In (ppg)</b>	8.5
<b>Circulation Prior to Job</b>	Yes	<b>Mud Density Out (ppg)</b>	8.5
<b>Circulation Time (min)</b>	30	<b>Solids Present at End of Circulation</b>	No
<b>Circulation Rate (bpm)</b>	5	<b>Flare Prior to/during the Cement Job</b>	No
<b>Circulation Volume (bbls)</b>	150	<b>Gas Present</b>	No
<b>Lost Circulation Prior to Cement Job</b>	No		

## TEMPERATURE

<b>Ambient Temperature (°F)</b>	25	<b>Mix Water Temperature (°F)</b>	55
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# Cementing Treatment



## BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Water	8.3300					20.0000
Tail Slurry	S100-22	14.5000	1.3901	6.78	672	934.0000	166.3000
Displacement Final	Water	8.3300					112.7000

Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	S100-22	CEMENT, ASTM TYPE III	100.00	PCT
Tail Slurry	S100-22	FOAM PREVENTER, FP-13L	0.03	GALS/SK

## TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)
3:29	Water	5.00	20.00	180
3:35	S100-22	6.00	166.30	200
4:07	Water	6.00	112.70	500

## DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Cement returns During Job	Full
Calculated Displacement Volume (bbls)	114	Amount of Cement Returned/Reversed	24
Actual Displacement Volume (bbls)	114	Method Used to Verify Returns	Visual
Did Float Hold?	Yes	Amount of Spacer to Surface	20
Bump Plug	Yes	Pressure Left on Casing (psi)	0
Bump Plug Pressure (psi)	1200	Total Volume Pumped (bbls)	300
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
		Lost Circulation During Cement Job	No
		Casing Pressure Test	2400 psi



Customer Name Great Western  
 Well Name Postle IC 09-299HN  
 Job Type Surface

District Cheyenne  
 Supervisor Casciato, Luke  
 Engineer \_\_\_\_\_

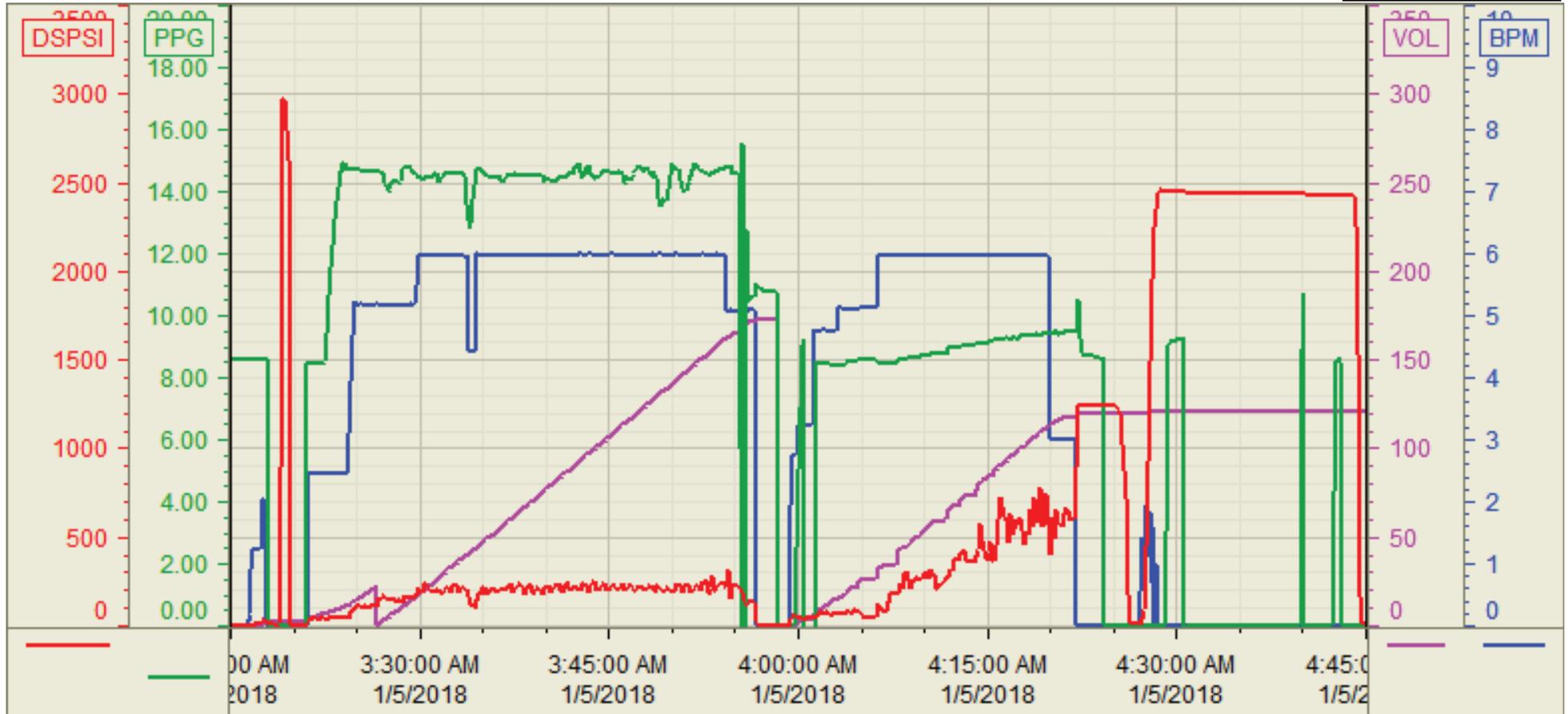
Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	1/4/2018 19:00		CALLOUT		1					CREW WAS CALLED OUT TO GREAT WESTERN REQUESTED ON LOCATION 1/5/2018 01:00.
2	1/5/2018 0:00		STEACS		U					CREW CONDUCTED JOURNEY MANAGEMENT.
3	1/5/2018 0:15		DEPART							CREW HEADS TO LOCATION.
4	1/5/2018 0:40		ARRIVE							CREW ARRIVES ON LOCATION.
5	1/5/2018 1:00		STEACS							CREW CONDUCTED STEACS PRIOR TO RIG UP.
6	1/5/2018 1:15		RIG UP		50					CREW RIGGED UP ALL IRON. CREW CONDUCTED STEACS PRIOR TO CEMENT JOB.
7	1/5/2018 2:30		STEACS							CREW BEGINS JOB.
8	1/5/2018 3:25		START JOB							FILLED LINES FOR PRESSURE TEST.
9	1/5/2018 3:26		FILL LINES			8.33	2	2	100	PRESSURE TESTED ALL LINES TO 3000PSI.
10	1/5/2018 3:27		PRESSURE TEST		54				3000	PUMPED 20BBL OF H2O WITH DYE, FULL RETURNS.
11	1/5/2018 3:29		SPACER			8.33	5	20	180	MIXED AND PUMPED 166BBL OF PRIMARY CEMENT AT 14.5PPG (672SKS, 1.39YD, 6.67GL/SK) FULL RETURNS.
12	1/5/2018 3:35		PRIMARY			14.5	5	166	180	SHUTDOWN TO DROP TOP PLUG.
13	1/5/2018 4:04		SHUTDOWN							PUMPED 104BBL OF H2O AT 6BPM. FULL RETURNS.
14	1/5/2018 4:07		DISPLACEMENT			8.33	6	104	700	SLOWED RATE TO LAND TOP PLUG.
15	1/5/2018 4:29		SLOW RATE			8.33	3	10	500	LANDED PLUG AT CALCULATED DISPLACEMENT OF 114BBL, 24BBL OF CEMENT TO SURFACE. LANDED AT 700PSI, BUMPED TO 1200PSI.
16	1/5/2018 4:31		SHUTDOWN							FLOATS HELD, .5BBL BACK.
17	1/5/2018 4:34		CHECK FLOATS		68					15MIN CASING TEST AT 2400PSI.
18	1/5/2018 4:37		CASING TEST						2400	FLOATS HELD, .5BBL BACK.
19	1/5/2018 4:52		CHECK FLOATS		68					CREW CONDUCTED STEACS PRIOR TO RIG DOWN.
20	1/5/2018 5:00		STEACS							CREW RIGGED DOWN ALL IRON AND FITTINGS.
21	1/5/2018 5:15		RIG DOWN		73					CREW CONDUCTED JOURNEY MANAGEMENT.
22	1/5/2018 5:45		STEACS							CREW HEADS TO CAMP.
23	1/5/2018 6:00		DEPART							
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										

Customer: GREAT WESTERN  
 Well Number: 09-299HN  
 Lease Info: POSTLE IC



Print Date/Time

1/5/2018 4:51:20 AM



	Name	Y value	X value/time stamp	Tag name Y
1	DS - Press(PSI)	9.3 i.	1/5/2018 4:45:00 AM i.	CementerDS_DISCHARGE_PRESS_DIAL
2	Recirc - Density (PPG)	0.01	1/5/2018 4:45:02 AM	CementerDENSITY_ACTUAL_RATE
3	Down Hole Total (BBLs)	121.1	1/5/2018 4:45:02 AM	CementerDOWNHOLE_FLOW_TOTAL
4	Combined rate (BPM)	0.00	1/5/2018 4:45:02 AM	CementerFlow_Combined
5				

Source: Control1 4:51:14 AM