



HighPoint Operating Corporation

Production Liner Post Job Report

Critter Creek 240-1411H

S:14 T:11N R:63W Weld CO

Quote #:

Execution #:

Cementing Treatment



Start Date	06/26/2018	Field Ticket#	07960-B4G2K10202-02917
End Date	06/26/2018	Well	CRITTER CREEK 240-1411H
Client	HighPoint Operating Corporation	API#	05-123-46853
Client Field Rep.	Chris	County	WELD
Service Sup.	C. Johnson	State/Province	CO
District	Cheyenne, WY	Execution ID	EXC-07960-B4G2K102
Type of Job	Liner	Project ID	PRJ1007923

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Previous Casing	6.37	7.00	23.00	8,000.00	7,251.00	
Open Hole	6.13			17,992.00	7,251.00	10.00
Drill Pipe	3.34	4.00	14.00	7,590.00	7,590.00	
Liner	4.00	4.50	11.60	17,988.00	7,251.00	

Shoe Length (ft): 59

HARDWARE

Top Plug Used?	Yes	Landing Collar Depth (ft)	17,904
Top Plug Provided By	Weaterford	Tool Type	Liner Hanger
Top Plug Size	4.5"	Tool Depth (ft)	7602
Centralizers Used	Yes		

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Mud Density In (ppg)	9.1
Circulation Prior to Job	Yes	Mud Density Out (ppg)	9.1
Circulation Time (min)	120	Solids Present at End of Circulation	No
Circulation Rate (bpm)	4	Flare Prior to/during the Cement Job	No
Circulation Volume (bbls)	480	Gas Present	No
Lost Circulation Prior to Cement Job	No		

TEMPERATURE

Ambient Temperature (°F)	93	Mix Water Temperature (°F)	70
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Cementing Treatment



BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Planned Top of Fluid (Ft)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	11.0000			6,068.00				30.0000
Tail Slurry	BJCem L50.6.01C	13.5000	1.5930	7.95	7,590.00	10,356.00	680	1,080.0000	192.2000
Displacement 1	Retarded Water	8.3300			16,617.00			0.0000	20.0000
Displacement 2	Water + Chems	8.3300			6,589.00	0.00	0	0.0000	130.0000
Displacement 2	Retarded Water	8.3300			13,577.00	0.00	0	0.0000	20.0000
Displacement Final	Water	8.3300			0.00			0.0000	92.6000

Fluid Type	Fluid Name	Component	Concentration	UOM
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	RETARDER, SR-20	0.6000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	SAND, S-8, Silica Flour, 200 Mesh	179.4000	PPB
Spacer / Pre Flush / Flush	IntegraGuard EZ Spacer	GELLANT WATER, GW-86	0.8000	PPB
Tail Slurry	BJCem L50.6.01C	EXTENDER, BENTONITE	4.0000	BWOB
Tail Slurry	BJCem L50.6.01C	Flyash (Rockies)	50.0000	PCT
Tail Slurry	BJCem L50.6.01C	GELLANT WATER, GW-86	0.1000	BWOB
Tail Slurry	BJCem L50.6.01C	BONDING AGENT, EC-2	3.0000	BWOB
Tail Slurry	BJCem L50.6.01C	RETARDER, SR-20	0.2000	BWOB
Tail Slurry	BJCem L50.6.01C	CEMENT, CLASS G	50.0000	PCT
Tail Slurry	BJCem L50.6.01C	FLUID LOSS, FL-24	0.4000	BWOB
Tail Slurry	BJCem L50.6.01C	FOAM PREVENTER, FP-25	0.3000	BWOB
Tail Slurry	BJCem L50.6.01C	BONDING AGENT, BA-90	3.0000	LBS/SK
Displacement 1	Retarded Water	CLAY STABILIZER ResCare CS	0.0800	GPB
Displacement 1	Retarded Water	RETARDER, R-8L	0.5000	GPB
Displacement 1	Retarded Water	BIOCIDE, BIOC11139W	0.0100	GPB
Displacement 2	Water + Chems	BIOCIDE, BIOC11139W	0.0100	GPB
Displacement 2	Water + Chems	CLAY STABILIZER ResCare CS	0.0800	GPB
Displacement 2	Retarded Water	RETARDER, R-8L	0.5000	GPB

Cementing Treatment



TREATMENT SUMMARY

Fluid	Rate (bpm)	Fluid Vol. (bbls)
IntegraGuard EZ Spacer	3.00	30.00
BJCem L50.6.01C	4.00	192.20
Retarded Water	4.00	20.00
Water + Chems	4.00	130.00
Retarded Water	4.00	20.00
Water	4.00	92.60

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	20
Calculated Displacement Volume (bbls)	218	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	218	Amount of Spacer to Surface	30
Did Float Hold?	Yes	Amount Bled Back After Job	3.5
Bump Plug	Yes	Total Volume Pumped (bbls)	640
Bump Plug Pressure (psi)	2500	Top Out Cement Spotted	No
Were Returns Planned at Surface	Yes	Lost Circulation During Cement Job	No
Cement returns During Job	Yes		

Event Log



Customer Name: HighPoint Operating Corporation

District: Cheyenne, WY

Well Name: CRITTER CREEK 240-1411H

Field Leader: Chad Johnson

Job Type: Liner

Quote ID: QUO-12234-W9Z1C4

TMD (ft): _____

Plan ID: ORD-06987-M8W0N2

Execution ID: EXC-06987-M8W0N202

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	06/26/2018 06:00	Callout					Crew called out requested on location for 1200
2	06/26/2018 08:00	Arrive on Location					Crew arrived on location
3	06/26/2018 10:15	Safety Meeting					Safety meeting
4	06/26/2018 10:30	Spot Units					Spotted all equipment
5	06/26/2018 10:45	Rig Up					Rigged up all equipment
6	06/26/2018 12:00	Customer					Waiting on rig to finish running liner and circulate the well
7	06/26/2018 15:00	Safety Meeting					Safety meeting
8	06/26/2018 15:30	Prime Up	8.3400	2.00	5.00	100.00	Fill lines with 5 bbls fresh water
9	06/26/2018 15:39	Pressure Test					Pressure test lines to 6000 psi
10	06/26/2018 15:54	Pump Spacer	11.0000	3.00	30.00	500.00	Pump 30 bbls spacer at 11 ppg
11	06/26/2018 16:03	Pump Tail Cement	13.5000	4.00	193.00	400.00	Pump 193 bbls cement at 13.5 ppg (680 sks, 1.59 Y 7.59 gal/sk)
12	06/26/2018 16:50	Other (See comment)					Shutdown
13	06/26/2018 16:53	Clean Pumps and Lines					Clean pumps and lines to the pit
14	06/26/2018 17:04	Pump Displacement	8.3400	3.00	5.00	200.00	Pump 5 bbls water with R-8L
15	06/26/2018 17:06	Other (See comment)					Shutdown
16	06/26/2018 17:13	Pump Displacement	8.3400	4.00	218.00	1,000.00	Pump a total of 218 bbls displacement (20 bbls with R-8L, 130 bbls with biocide & rescare, 20 bbls with R-8L, 48 bbls fresh water)
17	06/26/2018 17:25	Other (See comment)	8.3400	2.00		1,100.00	Slow rate at 45 bbls away to 3 bpm
18	06/26/2018 18:17	Other (See comment)	8.3400	2.00		1,600.00	Slow rate at 200 bbls away to 3 bpm
19	06/26/2018 18:21	Land Plug				1,500.00	Land plug at 1500 psi, took to 2000 psi
20	06/26/2018 18:25	Other (See comment)	8.3400	2.00	2.00	4,000.00	Pressure up to set packer
21	06/26/2018 18:29	Check Floats					Check floats, floats holding, 3.5 bbls back
22	06/26/2018 18:37	Pressure Test	8.3400	2.00	3.00	2,000.00	Pressure test backside to 2000 psi for 5 mins
23	06/26/2018 18:52	Other (See comment)					Pressure up to rupture wet shoe, max pressure was 4200 psi
24	06/26/2018 19:04	Circulate Well	8.3400	8.00	220.00	2,200.00	Circulate well out, pumped a total of 220 bbls. 30 bbls spacer and 20 bbls cement circulated out
25	06/26/2018 19:37	Other (See comment)					Shutdown
26	06/26/2018 19:40	Safety Meeting					Safety meeting
27	06/26/2018 20:00	Rig Down					Rigged down all equipment
28	06/26/2018 21:30	Leave Location					Crew departed location