



Bonanza Creek Energy

Surface Post Job Report

Mustang V41-27-28XRLNB

S:26 T:4N R:63W Weld CO

Quote #:

Execution #:





Bonanza Creek Energy

Attention: Mr. Joel Dill | (720) 633-5871 | jdill@bonanzacrk.com

Bonanza Creek Energy | 410 17th Street, Suite 1400 | Denver CO, 80202

Dear Mr. Joel Dill,

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

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

Cementing Treatment



Start Date	12/3/2017	Well	V41-27-28XRLNB MUSTANG V41-27-28XRLNB
End Date	12/3/2017	County	WELD
Client	BONANZA CREEK ENERGY	State/Province	CO
Client Field Rep	Josh	API	05-123-45804
Service Supervisor	Eric Dewit	Rig	Extreme 19
District	Cheyenne, WY	Type of Job	Surface

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Casing	8.92	9.63	36.00	1,730.00	1,730.00		J-55	LTC
Open Hole	13.50			1,740.00	1,740.00	30.00		

Shoe Length (ft): 42

HARDWARE

Bottom Plug Used?	No	Max Casing Pressure - Rated (psi)	2816
Top Plug Used?	Yes	Max Casing Pressure - Operated (psi)	1500
Top Plug Provided By	Rig	Pipe Movement	None
Top Plug Size	9.625	Job Pumped Through	Cement Head
Centralizers Used	Yes	Top Connection Thread	LTC
Landing Collar Depth (ft)	1,688	Top Connection Size	9.625

Cementing Treatment



CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	Flare Prior to/during the Cement Job	No
Circulation Time (min)	30	Gas Present	No
Circulation Rate (bpm)	3		
Circulation Volume (bbls)	90		
Lost Circulation Prior to Cement Job	No		
Mud Density In (ppg)	8.8		
Mud Density Out (ppg)	8.8		

TEMPERATURE

Ambient Temperature (°F)	41
Mix Water Temperature (°F)	45

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 (Pre-flush)	8.3308					20.0000
Tail Slurry	S100-X2 (Primary)	14.5000	1.3901	6.78	790	1,098.0000	195.4000
Top-Out / Scavenger Slurry	S100-X2 (Top-Out)	14.5000	1.3901	6.78	151	209.0000	37.2000
Displacement Final	Water (Final)	8.3308				0.0000	128.2000

Cementing Treatment



Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	S100-X2 (Primary)	FOAM PREVENTER, FP-13L	0.03	GALS/SK
Tail Slurry	S100-X2 (Primary)	CEMENT, ASTM TYPE III	100.00	PCT
Top-Out / Scavenger Slurry	S100-X2 (Top-Out)	CEMENT, ASTM TYPE III	100.00	PCT
Top-Out / Scavenger Slurry	S100-X2 (Top-Out)	FOAM PREVENTER, FP-13L	0.03	GALS/SK

TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)
21:24	Water (Pre-flush)	5.00	20.00	123
21:35	S100-X2 (Primary)	4.5	195.40	198
22:39	OBM	6.2	130.5	578

	Min	Max
Pressure (psi)	22	1078
Rate (bpm)	2	6.2

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	35
Calculated Displacement Volume (bbls)	130.5	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	130.5	Amount of Spacer to Surface	20
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0
Bump Plug	Yes	Amount Bled Back After Job	1
Bump Plug Pressure (psi)	578	Total Volume Pumped (bbls)	345.5
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Yes	Lost Circulation During Cement Job	No

Cementing Treatment



CEMENT PLUG

Bottom of Cement Plug?

No

Wiper Balls Used?

No

Plug Catcher

No

Customer Name Bonanza Creek
 Well Name Mustang V41-27-28XRLNB
 Job Type Surface

District Cheyenne
 Supervisor Eric Dewit
 Engineer _____



Seq No.	Start Date/Time	Category	Event	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	12/3/2017 9:30	Mobilization	Callout	1					Customer calls with an RTS of 15:30
2	12/3/2017 14:00	Mobilization	Arrive on Location						Arrive on location (rig is broke down)
3	12/3/2017 14:00	Downtime	Other (See comment)	82					Waiting on rig to get fixed, and run casing
4	12/3/2017 17:15	Operational	Safety Meeting	53					Safety meeting with crew before spotting trucks on location
5	12/3/2017 17:30	Operational	Spot Units	49					Spot equipment on location (rig is running casing)
6	12/3/2017 17:45	Operational	Rig Up	50					Rig up, high pressure lines, water lines, bulk lines, and mud lines
7	12/3/2017 21:00	Operational	Safety Meeting	53					Pre-job safety meeting with company man, and rig crew
8	12/3/2017 21:19	Operational	Start Pumping	55	8.34	2	2	0	Load pumps and lines for the pressure test
9	12/3/2017 21:21	Operational	Pressure Test	54	8.34	0	0	3415	Pressure test pumps and lines
10	12/3/2017 21:24	Operational	Pump Spacer	56	8.34	4.9	18	123	Pump 20 bbls of fresh water ahead
11	12/3/2017 21:35	Operational	Pumping Cement	61	14.5	4.7	195	198	Pump 790 sacks of surface cement @14.5 ppg
12	12/3/2017 22:30	Operational	Drop Top Plug	63					Shut down, drop plug
13	12/3/2017 22:39	Operational	Pump Displacement	64	9.5	6.2	0	374	Send plug start OBM displacement
14	12/3/2017 22:53	Operational	Pump Displacement	64	9.5	5	80	525	Drop pump rate, start getting fresh water back to surface
15	12/3/2017 22:57	Operational	Cement Back to Surface	66	9.5	5	95	626	Start getting good cement to surface
16	12/3/2017 23:00	Operational	Other (See comments)	76	9.5	4	110	626	Drop pump rate
17	12/3/2017 23:02	Operational	Other (See comments)	76	9.5	2.5	120	575	Drop rate to land the plug
18	12/3/2017 23:06	Operational	Land Plug	67	9.5	0	130.5	1078	Land plug @578 psi, Bump up to 1078 psi (35 bbls of cement to surface)
19	12/3/2017 23:10	Operational	Check Floats	68	9.5	0	0	0	Check floats (floats held) 1 bbls back
20	12/3/2017 23:45	Operational	Clean Pumps and Lines	62					Clean up the pump from the OBM
21	12/4/2017 0:00	Operational	Safety Meeting	53					Pre-rig down safety meeting
22	12/4/2017 0:05	Operational	Rig Down	73					Rig down
23	12/4/2017 0:45	Mobilization	Leave Location	74					Leave location

