



Bonanza Creek Energy

PRODUCTION POST JOB REPORT

State North Platte A11-E14-26HNC 05-123-44486
S:26 T:5N R:63W Weld CO

CallSheet #: 1461
Proposal #: 14074



PRODUCTION Post Job Report

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

Bonanza Creek Energy

410 17th Street Suite 1400 | Denver, CO 80202

Dear Mr. 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,

Oscar Medrano

Technical Specialist-II | (307) 996-6222 | Oscar.Medrano@bjservices.com

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1 Job Details & Summary

1.1 Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	9.625	8.921	36	n/a	0	1658	0
Open Hole	Outer	n/a	8.5	n/a	n/a	1658	11018	12.5
Casing	Inner	5.5	4.892	17	n/a	0	11018	0

1.2 Equipment / People

Unit Type	Unit	Employee #1	Employee #2	Mileage
Silo	193			
Silo	675			
Bulk Trailer	PPC41309	Philman, Douglas		140
Cement Pump	103	Groneman, Josh		140
Light Duty Pickups	8	Casciato, Luke	Martinez, Michael	140

1.3 Timing

Event	Date/Time
Call Out	10/3/2017 06:00
Depart Facility	10/3/2017 09:00
On Location	10/3/2017 11:00
Rig Up Iron	10/3/2017 11:40
Job Started	10/3/2017 15:25
Job Completed	10/3/2017 18:30
Rig Down Iron	10/3/2017 18:50
Depart Location	10/3/2017 20:30

1.4 General Job Information

Metrics	Value
Well Fluid Density	9.4 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	500 bbls
Rig Circulation Time	1 hours
Calculated Displacement	254.4 bbls
Actual Displacement	254.4 bbls
Total Spacer to Surface	40 bbls
Total CMT to Surface	43 bbls

1.5 Well Fluid Details

Metrics	Value
Plastic Viscosity	20
Yield Point	8
10 sec. SGS	7
10 min. SGS	8
30 min. SGS	9
Filtrate	11.2
Flow Line Temp.	115

1.6 Job Details

Metrics	Value
Flare Prior to Job	Yes
Flare Prior to Job	2500 units
Flare During Job	No
Flare at End of Job	No
Well Full Prior to Job	Yes
Well Fluid Density Into Well	9.3 lb/gal
Well Fluid Density Out of Well	9.3 lb/gal

1.7 Job Details (cont.)

Metrics	Value
BHCT	220 °F
BHST	220 °F

**1.8 Circulation**

Lost Circulation Experienced
No

Circulation Details:

1.9 Job Execution Information

Job	Fluid	Product	Function	Density (lb/gal)	Yield (ft ³ /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Top (ft)
1	1	CD Spacer	Spacer	11.00			32.75		40.00	0
1	2	P100-X2	Lead	12.50	2.07	11.81		632.00	233.15	0
1	3	P50-X1	Tail	13.50	1.47	7.43		1056.00	277.34	5000
1	4	MMCR Water	Displacement	8.33			41.90		20.00	10116
1	5	Water	DisplacementFinal	8.33			41.99		236.00	0

1.10 Job Fluid Details

Job	Fluid	Type	Fluid	Product	Function	Conc.	Uom	Start (gal)	End (gal)	Used (gal)
1	1	Spacer	CD Spacer	ASR-20	StrengthRetrogression	179.85	lb/bbl			
1	1	Spacer	CD Spacer	AR-31	Retarder	0.51	lb/bbl			
1	1	Spacer	CD Spacer	ASF-20	Surfactant	0.50	gal/bbl	20	0	20
1	1	Spacer	CD Spacer	ASF-80	Surfactant	0.50	gal/bbl	20	0	20
1	1	Spacer	CD Spacer	AVS-10	Viscosifier	0.80	lb/bbl			
1	2	Lead	P100-X2	AC3-10	Cement	100.00	%			
1	2	Lead	P100-X2	ABX-30	BondEnhancer	0.40	%BWOB			
1	2	Lead	P100-X2	ADF-11	Defoamer	0.30	%BWOB			
1	2	Lead	P100-X2	AFL-10	FluidLoss	0.30	%BWOB			
1	2	Lead	P100-X2	ALC-10	LostCirculation	0.13	lb/sk			
1	2	Lead	P100-X2	AR-31	Retarder	0.18	%BWOB			
1	2	Lead	P100-X2	AVS-20	Viscosifier	0.10	%BWOB			
1	3	Tail	P50-X1	ACG-10	Cement	50.00	%			
1	3	Tail	P50-X1	AFA-10	Extender	50.00	%			
1	3	Tail	P50-X1	ADF-11	Defoamer	0.30	%BWOB			
1	3	Tail	P50-X1	AFL-50	FluidLoss	0.20	%BWOB			
1	3	Tail	P50-X1	AR-20	Retarder	0.10	%BWOB			
1	3	Tail	P50-X1	AVS-10	Viscosifier	0.10	%BWOB			
1	3	Tail	P50-X1	AVS-50	Viscosifier	2.00	%BWOB			
1	4	Displacement	MMCR Water	AR-61	Retarder	0.10	gal/bbl	2	0	2
1	5	DisplacementFinal	Water	Biocide	Other	0.01	gal/bbl	3	0	3

2 Job Logs

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
1	CALL OUT	10/3/2017	06:00					CREW WAS CALLED OUT TO BONANZA CREEK PRODUCTION, REQUESTED ON LOCATION BY 12:00.
2	STEACS	10/3/2017	08:45					CREW CONDUCTED JOURNEY MANAGEMENT.
3	DEPART LOCATION	10/3/2017	09:00					CREW HEADS TO LOCATION.
4	ARRIVE ON LOCATION	10/3/2017	11:00					CREW ARRIVES TO LOCATION.
5	STEACS	10/3/2017	11:30					CREW CONDUCTED STEACS PRIOR TO RIG UP.
6	RIG UP	10/3/2017	11:40					CREW RIGGED UP ALL IRON AND FITTINGS.
7	OTHER	10/3/2017	13:00					RIG LANDED 5.5" 17# CASING AT 11,010' CIRCULATED FOR 1HOUR AT 8BPM FOR A TOTAL OF 500BBL OF OBP, 650PSI.
8	STEACS	10/3/2017	14:30					BJ CREW, RIG CREW, AND COSTUMER REP, CONDUCTED STEACS PRIOR TO CEMENT JOB.
9	START JOB	10/3/2017	15:25					CREW BEGINS JOB.
10	FILL LINES	10/3/2017	15:27	8.33	2	2	60	FILLED LINES FOR PRESSURE TEST.
11	PRESSURE TEST	10/3/2017	15:30				5000	PRESSURE TESTED ALL LINES TO 5000PSI, STAND PIPE LEAKED, REPLACED GASKET. PRESSURE TESTED AGAIN, NO LEAKS.
12	CD SPACER	10/3/2017	15:52	11	4	40	250	MIXED AND PUMPED 540BBL OF CD SPACER AT 11PPG, 4BPM. WITH 20GL ASF-20, AND 20GL OF ASF-80. FULL RETURNS.
13	PUMP LEAD	10/3/2017	16:03	12.5	6	233	500	MIXED AND PUMPED 233BBL OF LEAD CMT (632SKS, 2.07YLD, 11.81GL/SK) AT 6BPM. FULL RETURNS.
14	PUMP TAIL	10/3/2017	16:42	13.5	6	277	750	MIXED AND PUMPED 277BBL OF TAIL CMT (1056SKS, 1.47YLD, 7.43GL/SK) AT 6BPM. FULL RETURNS.
15	SHUTDOWN	10/3/2017	17:32					SHUTDOWN TO WASH PUMPS AND LINES.
16	WASH PUMPS AND LINES	10/3/2017	17:35	8.33	3	10	50	WASHED PUMPS AND LINES TO DROP TOP PLUG.



17	DROP TOP PLUG	10/3/2017	17:42					DROP TOP PLUG, VERIFIED BY TOOL HAND.
18	DISPLACEMENT	10/3/2017	17:43	8.33	9	50	800	PUMPED 50BBL OF H2O AT 9BPM 800PSI, FULL RETURNS. ADDED 2BBL AR-61, 1GL BIOCIDES.
19	SLOW RATE	10/3/2017	17:53	8.33	8	180	2000	SLOWED RATE TO 8BPM AFTER CATCHING PLUG. FULL RETURNS.
20	SLOW RATE	10/3/2017	18:17	8.33	3	24	2000	SLOWED RATE TO 3BPM TO LAND PLUG. FULL RETURNS.
21	LAND PLUG	10/3/2017	18:23				2200	LANDED PLUG AT 2200PSI. AT CALCULATED DISPLACEMENT. USING 3GL OF BIOCIDES TOTAL.
22	SHUTDOWN	10/3/2017	18:24				3200	BUMPED PLUG 1000PSI OVER LANDING PRESSURE.
23	CHECK FLOATS	10/3/2017	18:27					FLOATS HELD, 2.5BBL IN RETURN.
24	END JOB	10/3/2017	18:30					CREW ENDS JOB.
25	STEACS	10/3/2017	18:40					CREW CONDUCTED STEACS PRIOR TO RIG DOWN.
26	RIG DOWN	10/3/2017	18:50					CREW RIGGED DOWN ALL IRON AND FITTINGS.
27	STEACS	10/3/2017	20:00					CREW CONDUCTED JOURNEY MANAGEMENT.
28	DEPART LOCATION	10/3/2017	20:30					CREW HEADS TO CAMP.



3 Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	60 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	250	0-1000
Total Hardness	250 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	<200 mg/L	0-1500 mg/L
Potassium	450 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

4 Pump Diagrams

Customer: BONANZA CREEK
Well Number: A11-E14-26HNC
Lease Info: STATE NORTH PLATTE



Print Date/Time
10/3/2017 7:50:36 PM

