Bonanza Creek Energy
SURFACE POST JOB REPORT

STATE PRONGHORN FEDERAL 13-43-30HNB 05-123-51317
S:30 T:5N R:61W Weld CO

CallSheet #: 78780
Proposal #: 55637

SURFACE Post Job Report

Attention: Adam Conry | aconry@bonanzacrk.com
Bonanza Creek Energy
410 17TH STREET SUITE 1400 | DENVER, CO 80202

Dear Adam Conry,

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

Sincerely,

Nick Stille
Cement SME | (307) 286-0815 | nick.stille@americancementing.com

Field Office 1716 E Allison Rd, Cheyenne, WY 82007
Phone: (307) 414-0049

Job Details & Summary

Geometry

Type	Function	OD (in)	ID (in)	Weight (lb/ft)	Thread	Top (ft)	Bottom (ft)	Excess (%)
Open Hole	Outer	n/a	13.5	n/a	n/a	0	1615	50
Casing	Inner	9.625	9.001	32.3	n/a	0	1505	0

Equipment / People

Unit Type	Unit	Power Unit	Employee #1
Field Storage Silo	FSS(CTS)-450		
Cement Utility Float	CUF(FIF)-163	LDV-047	Fuentes, Orlando
Tractors	TRC(TRB)-088		Clark, Cody
AS Cement Trailer Float	CTF(FTF)-031	TRC(TRB)-420	Henrickson, Roy
AS Cement Trailer Float	CTF(FUF)-308	TRC(TRB)-731	Chaparro, Hector
Cement Pump Float	CPF-182	TRS-107	Webster, Jazmyn

Timing

Event	Date/Time
Call Out	10/19/2021 21:30
Depart Facility	10/19/2021 23:59
On Location	10/20/2021 02:00
Rig Up Iron	10/20/2021 02:30
Job Started	10/20/2021 03:25
Job Completed	10/20/2021 04:58
Rig Down Iron	10/20/2021 05:00
Depart Location	10/20/2021 06:00

General Job Information

Metrics	Value
Well Fluid Density	9 lb/gal
Well Fluid Type	WBM
Rig Circulation Vol	300 bbls
Rig Circulation Time	1 hours
Calculated Displacement	120.85 bbls
Actual Displacement	120 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	70 bbls
Well Topped Out	No

Casing Equipment

Type	Description	Qty
CENTRALIZER,9-5/8"NON-WELD	Bow Spring	15

Job Details

Metrics	Value
Flare Prior to Job	No
Flare During Job	No
Flare at End of Job	No
Well Full Prior to Job	Yes
Well Fluid Density Into Well	9 lb/gal
Well Fluid Density Out of Well	9 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	86 °F
BHST	110 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	50 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	240	0-1000
Total Hardness	0 mg/L	0-500 mg/L
Carbonates	. mg/L	0-100 mg/L
Sulfates	>200 mg/L	0-1500 mg/L
Potassium	0 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced	Losses into Spacer	Losses into Cement	Losses into Displacement
No	No	No	No

Job Execution Information

Fluid	Product	Function	Density (lb/gal)	Yield ($ft^{3/sk}$)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Designed Top (ft)
1	Fresh Water	Flush	8.34			42.00		20.00	0
2	ACem S100.3.XC	Primary	14.50	1.39	6.81		858.00	212.46	0
3	Fresh Water	DisplacementFinal	8.34			42.00		123.00	0

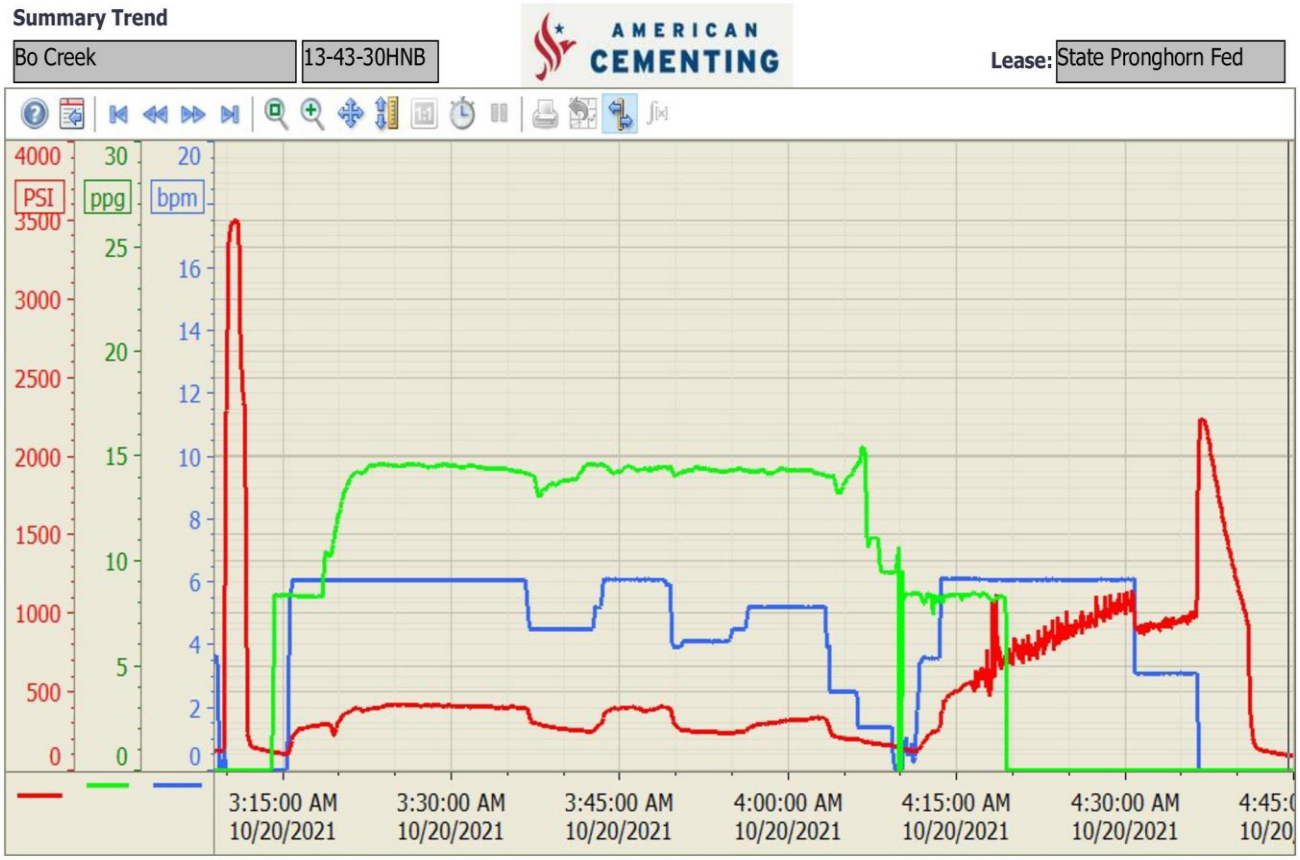
Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Primary	ACem S100.3.XC	ASTM TYPE III	Cement	100.00	%
2	Primary	ACem S100.3.XC	STATIC FREE	Other	0.01	lb/sk

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	10/19/2021	21:30					ACC gets called out , Requested time on location by OSR was 0300 hrs 10/20/21
2	Depart Facility	10/19/2021	23:59					ACC pre trips equipment and departs facility , Cheyenne Wy
3	Arrive To Location	10/20/2021	02:00					ACC arrives to location , Rig is currently riging up landing joint and to start circ well
4	Rig Up	10/20/2021	02:30					ACC spots in units and rigs up equipment and iron
5	Safety Meeting	10/20/2021	03:15					ACC had a pre job safety meeting with rig hands and OSR , went over job procedures
6	Pressure Test	10/20/2021	03:25				3500	Pressure test pump and lines to 3500 psi
7	Pump Dye Tracer	10/20/2021	03:28	8.33	6	20	160	Pumped 20 bbls of FW w/blue dye tracer at 6 bpm w/ 160 psi
8	Pump Primary CMT	10/20/2021	03:33	14.5	6		175	Start mixing and pumping 14.5 ppg primary cement at 6 bpm w/ 175 psi NOTE: density was verified with mud sacales
9	Pump Primary CMT	10/20/2021	03:56	14.5	4.5	120	72	At 120 bbls away into cement had to slow down due to delivery issue , 4.5 bpm w/ 72 psi
10	Pump Primary CMT	10/20/2021	03:59	14.5	6	135	132	At 135 bbls away into cement speed back upn rate to 6 bpm w/ 132 psi
11	Pump Primary CMT	10/20/2021	04:05	14.5	4	177	44	At 177 bbls away into cement slow down rate to 4 bpm w/ 44 psi , Delivery issues
12	Shut Down	10/20/2021	04:25	14.5		212.4		Shut down pumping cement , Pumped total of 212.40 bbls 858 sks 14.8 ppg 1.39 yld 6.8 g/sk .
13	Drop Top Plug	10/20/2021	04:26					Drop Top Plug w/ Osr
14	Pump FW Disp.	10/20/2021	04:27	8.33	6		115	Start Pumping FW disp at 6 bpm w/ 115 psi
15	Spacer To Surface	10/20/2021	04:31	8.33	6	30	205	At 30 bbls away into disp got blue dye tracer at 6 bpm w/ 205 psi
16	Cement To Surface	10/20/2021	04:35	8.33	6	50	285	At 50 bbls away into FW disp got cement back to surface at 6 bpm w/ 285 psi
17	Slow Down	10/20/2021	04:45	8.33	3	105	696	At 105 bbls away into disp slow down rate to 3 bpm w/ 696 psi
18	Land Plug	10/20/2021	04:52	8.33	3	120	801	Land plug at 120 bbls away into disp. FCP was 801 psi Bumped plug to 1555 psi , Hold 5 min
19	Check Floats	10/20/2021	04:58					Check Floats got . 5 bbls back
20	Rig Down	10/20/2021	05:00					ACC rig down equipment
21	Depart Location	10/20/2021	06:00					ACC departs location
22	Other	10/20/2021	06:01					Total Cement Back To Surface - 70 bbls

Pump Diagrams



10/20/2021 7:10:18 A