



Bonanza Creek Energy

WETCO FARMS A11-4-9MRLNB

API # 05-123-47807

Surface

10/25/2018

Quote #: 21321

Execution #: 12265



Bonanza Creek Energy

Attention: Mr. Adam Conry | (303) 883.3351 | AConry@bonanzacrck.com

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

Dear Mr. Adam Conry,

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,
Gage Putnam
Field Engineer I | (307) 887-4243 | Gage.Putnam@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	10/25/2018	Well	WETCO FARMS A11-4-9MRLNB
End Date	10/25/2018	API#	05-123-47807
Client	Bonanza Creek Energy	County	WELD
Service Sup.	Brian Boyd	State/Province	CO
District	Cheyenne, WY	Rig	Akita 520
Execution ID	EXC-12265-V5G4S502	Project ID	PRJ1011901

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)
Open Hole	13.50	0.00	0.00	1,610.00	1,610.00	30.00
Casing	8.92	9.63	36.00	1,600.00	1,600.00	

Shoe Length (ft): 42.00

HARDWARE

Bottom Plug Used?	No	Tool Type	Float Collar
Top Plug Used?	Yes	Tool Depth (ft)	1,557.00
Top Plug Provided By	Non BJ		
Top Plug Size	9.625	Max Casing Pressure - Rated (psi)	3,512.00
Centralizers Used	Yes	Max Casing Pressure - Operated (psi)	2,012.00
Centralizers Quantity	13.00	Pipe Movement	None
Centralizers Type	Rigid	Job Pumped Through	Manifold
Landing Collar Depth (ft)	1,557	Top Connection Thread	LTC
		Top Connection Size	9.625

CIRCULATION PRIOR TO JOB

Well Circulated By	Rig	Solids Present at End of Circulation	No
Circulation Prior to Job	Yes	10 sec SGS	1.00
Circulation Time (min)	60.00	10 min SGS	1.00
Circulation Rate (bpm)	5.00	Flare Prior to/during the Cement Job	No
Circulation Volume (bbls)	200.00	Gas Present	No
Lost Circulation Prior to Cement Job	No	PV Mud In	2
		YP Mud in	2

TEMPERATURE

Cementing Treatment



Ambient Temperature (°F)	57.00	Slurry Cement Temperature (°F)	69.00
Mix Water Temperature (°F)	64.00	Flow Line Temperature (°F)	82.00

BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Length (Ft)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Spacer / Pre Flush / Flush	Water (Pre-flush)	8.3308						20.0000
Tail Slurry	BJCem S100.3.XC	14.5000	1.3901	6.78	1550	720	1,002.0000	178.4000
Displacement Final	Water	8.3300					0.0000	116.6000

Fluid Type	Fluid Name	Component	Concentration	UOM
Tail Slurry	BJCem S100.3.XC	CEMENT, ASTM TYPE III	100.0000	PCT
Tail Slurry	BJCem S100.3.XC	FOAM PREVENTER, FP-13L	0.0300	GALS/SK

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By	BJ	Amount of Cement Returned/Reversed	45.00
Calculated Displacement Volume (bbls)	120.00	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)		Amount of Spacer to Surface	20.00
Did Float Hold?	Yes	Pressure Left on Casing (psi)	0.00
Bump Plug	Yes	Amount Bled Back After Job	0.50
Bump Plug Pressure (psi)	1,610.00	Total Volume Pumped (bbls)	318.00
Were Returns Planned at Surface	Yes	Top Out Cement Spotted	No
Cement returns During Job	Full	Lost Circulation During Cement Job	No

EVENT LOG

Customer Name: Bonanza Creek Energy

Well Name: WETCO FARMS A11-4-9MRLNB

Job Type: Surface

Quote ID: QUO-21321-Q1S1Q4

Plan ID: ORD-12265-V5G4S5

Execution ID: EXC-12265-V5G4S502

District: Cheyenne, WY

BJ Supervisor: Brian Boyd

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol(bbls)	Pipe Pressure(psi)	Comments
1	10/25/2018 06:21	Callout					Customer requested crew to be on location at 11:00
2	10/25/2018 10:00	Arrive on Location					Crew has journey management and departs from shop, crew arrives on location and meet with customer
3	10/25/2018 10:05	Safety Meeting					Steacs briefing with Bj crew over rigging up iron and hoses
4	10/25/2018 10:10	Rig Up					Crew rigs up iron and hoses
5	10/25/2018 15:31	Safety Meeting					Steacs briefing with BJ crew, rig crew and company man over job and hazards
6	10/25/2018 15:34	Start Pumping	8.3300	2.00	3.00		Fill pumps and lines
7	10/25/2018 15:36	Pressure Test	8.3300	0.50	0.50		Pressure test iron and head to 3000 PSI
8	10/25/2018 15:40	Pump Spacer	8.3300	5.00	20.00		Pump 20 bbls of red dye ahead
9	10/25/2018 16:07	Pump Lead Cement	14.5000	5.00	178.00		Pump 178 bbls of 14.5 PPG Cement (720 Sks, 1.3901 Yield, 6.78 Gals/Sks)
10	10/25/2018 16:35	End Pumping					Shut down pumping
11	10/25/2018 16:35	Drop Top Plug					Drop top plug with company man
12	10/25/2018 16:41	Pump Displacement	8.3300	6.00	120.00		Pump 120 bbls of fresh water displacement
13	10/25/2018 16:51	Cement Back to Surface	8.3300	6.00			Cement to surface
14	10/25/2018 17:00	Land Plug					
15	10/25/2018 17:00	Pressure Test	8.3300	0.50	0.50	1,550.00	1500 PSI casing test
16	10/25/2018 17:09	Safety Meeting	8.3300	0.50	0.50	1,550.00	BJ crew has steacs over rigging down iron and hoses
17	10/25/2018 17:15	Rig Down					Bj crew rigs down iron and hoses
18	10/25/2018 17:45	Leave Location					BJ crew has journey management and departs from location



JobMaster Program Version 4.02C1

Customer: Bonanza Creek

Well Name: WTCO FARMS A11-4-9MRLNB

