



Bonanza Creek Energy

Wetco Farms 21-4-9MRLNB

API # 05-123-47808

Surface

10/22/2018

Quote #: 21334

Execution #: 12354



Bonanza Creek Energy

Attention: Mr. Adam Conry | (303) 883.3351 | AConry@bonanzacrk.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	10/22/2018	Well	WETCO FARMS 21-4-9MRLNB
End Date	10/22/2018	API#	05-123-47808
Client	Bonanza Creek Energy	County	WELD
Service Sup.	Travis Tolman	State/Province	CO
District	Cheyenne, WY	Rig	Akita 520
Type of Job	Surface	Project ID	PRJ1011964
Execution ID	EXC-12354-Q6R9J402		

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	1,610.00	

Shoe Length (ft): 42.00

HARDWARE

Top Plug Used?	Yes	Max Casing Pressure - Rated (psi)	3,520.00
Top Plug Provided By	Non BJ	Max Casing Pressure - Operated (psi)	2,000.00
Top Plug Size	9.625	Pipe Movement	None
Centralizers Used	Yes	Job Pumped Through	Manifold
Centralizers Quantity	15.00	Top Connection Thread	8RND
Centralizers Type	Bow	Top Connection Size	9.625
Landing Collar Depth (ft)	1,558		

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)	30.00	10 min SGS	2.00
Lost Circulation Prior to Cement Job	No	30 min SGS	3.00
Mud Density In (ppg)	8.60	Flare Prior to/during the Cement Job	No
PV Mud In	1	Gas Present	No
YP Mud In	3		

TEMPERATURE

Ambient Temperature (°F)	55.00	Mix Water Temperature (°F)	64.00
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Cementing Treatment



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	178.2000
Displacement Final	Water	8.3300					0.0000	120.4000

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 Services	Amount of Cement Returned/Reversed	40.00
Calculated Displacement Volume (bbls)	120.40	Method Used to Verify Returns	Visual
Actual Displacement Volume (bbls)	120.00	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)	1,540.00	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 21-4-9MRLNB

Job Type: Surface

Quote ID: QUO-21334-H6L4X9

Plan ID: ORD-12354-Q6R9J4

District: Cheyenne, WY

Execution ID: EXC-12354-Q6R9J402

BJ Supervisor: Travis Tolman

Seq.	Start Dt./Time	Event	Density (ppg)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
1	10/22/2018 11:00	Callout					Crew called out for on location of 1700
2	10/22/2018 15:30	Leave Location					Crew heading for location
3	10/22/2018 15:50	Arrive on Location					Arrived on location, running casing, met with company man to get numbers, discuss job and safety issues
4	10/22/2018 17:30	Spot Units					Spotted equipment
5	10/22/2018 17:35	Safety Meeting					Held safety meeting with crew to discuss job, tasks and safety issues
6	10/22/2018 17:40	Rig Up					Rigged up from equipment to rig floor
7	10/22/2018 19:45	Safety Meeting					Held safety meeting with company man, rig hands and crew to discuss job and safety
8	10/22/2018 20:06	Start Pumping	8.3000	2.00	3.00	44.00	Load pump and lines with fresh water
9	10/22/2018 20:08	Pressure Test	8.3000			4,126.00	Pressure test pump and lines with fresh water
10	10/22/2018 20:12	Pump Spacer	8.3000	3.70	17.00	196.00	Pump fresh water with dye
11	10/22/2018 20:19	Pump Lead Cement	14.5000	5.00		247.00	Pump 720sks/178.2bbls of lead cement
12	10/22/2018 20:57	End Pumping					Shut down, wash up tub
13	10/22/2018 21:04	Drop Top Plug					Drop top plug witnessed by company man and BJ rep
14	10/22/2018 21:04	Pump Displacement	8.3000	6.30	110.00	729.00	Pump fresh water displacement
15	10/22/2018 21:30	Other (See comment)	8.3000	3.10	10.00	602.00	Slow rate to land plug
16	10/22/2018 21:32	Land Plug				1,540.00	Bump plug and hold for 5min casing test, got 40bbls of cement to surface
17	10/22/2018 21:37	Check Floats				1,540.00	Check float, held, .5bbl back
18	10/22/2018 21:40	Safety Meeting					Held safety meeting with crew to discuss rig down and safety
19	10/22/2018 21:50	Rig Down					Rig down from rig floor to equipment
20	10/22/2018 23:00	Leave Location					Crew ready to leave location



JobMaster Program Version 4.02C1
Job Number: 10556
Customer: Bonanza Creek
Well Name: WETCO Farms 21-4-9MRLNB

