



Petro Operating Company SURFACE POST JOB REPORT

**L. E. Gerkin #13H 05-123-44069
S:13 T:2N R:64W Weld CO**

CallSheet #: 76641
Proposal #: 52427



SURFACE Post Job Report

Attention: Johnny Musso | (303) 249-6615 | johnny.musso@iptenergyservices.com
Petro Operating Company
9033 E. Easter Place Suite 112 | Centennial, CO 80112

Dear Johnny Musso,

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,

Jason Creel

Field Engineer | (307) 256-0306 | jason.creel@americacementing.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)	Top (ft)	Bottom (ft)	Excess (%)
Open Hole	Outer	n/a	13.5	n/a	0	1473	35
Casing	Inner	9.625	8.921	36	0	1463	0

Equipment / People

Unit Type	Unit
Field Storage Silo	CTS-436
Pneumatic Trailer	CTF-7145
Light Duty Trailers	FIF-159
Cement Pump	CPF-074

Timing

Event	Date/Time
Call Out	4/8/2021 13:30
Depart Facility	4/8/2021 15:00
On Location	4/8/2021 16:30
Rig Up Iron	4/8/2021 17:00
Job Started	4/8/2021 18:34
Job Completed	4/8/2021 19:29
Rig Down Iron	4/8/2021 19:45
Depart Location	4/8/2021 21:45

General Job Information

Metrics	Value
Well Fluid Density	8.34 lb/gal
Well Fluid Type	Water
Rig Circulation Vol	240 bbls
Rig Circulation Time	0.5 hours
Calculated Displacement	110 bbls
Actual Displacement	110 bbls
Total Spacer to Surface	20 bbls
Total CMT to Surface	33 bbls
Well Topped Out	0

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	8.4 lb/gal
Well Fluid Density Out of Well	8.4 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	86 °F
BHST	110 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	68 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	100	0-1000
Total Hardness	200 mg/L	0-500 mg/L
Carbonates	0 mg/L	0-100 mg/L
Sulfates	<250 mg/L	0-1500 mg/L
Potassium	300 mg/L	0-3000 mg/L
Iron	0 mg/L	0-300 mg/L

Circulation

Lost Circulation Experienced
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 S100.3.1C	Lead	12.00	2.53	14.86		235.00	105.85	0
3	ACem S100.3.1C	Tail	12.50	2.23	12.58		157.00	62.22	900
4	Fresh Water	DisplacementFinal	8.36			41.61		110.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
2	Lead	ACem S100.3.1C	ASTM TYPE III	Cement	100.00	%
2	Lead	ACem S100.3.1C	A-10	Accelerator	5.00	%BWOB
2	Lead	ACem S100.3.1C	A-2	Accelerator	2.00	lb/sk
2	Lead	ACem S100.3.1C	A-7P	Accelerator	2.00	lb/sk
2	Lead	ACem S100.3.1C	FP-24	Defoamer	0.30	%BWOB
2	Lead	ACem S100.3.1C	IntegraSeal POLI	LostCirculation	0.13	lb/sk
3	Tail	ACem S100.3.1C	ASTM TYPE III	Cement	100.00	%
3	Tail	ACem S100.3.1C	A-10	Accelerator	5.00	%BWOB
3	Tail	ACem S100.3.1C	A-2	Accelerator	2.00	lb/sk
3	Tail	ACem S100.3.1C	A-7P	Accelerator	2.00	lb/sk
3	Tail	ACem S100.3.1C	FP-24	Defoamer	0.30	%BWOB
3	Tail	ACem S100.3.1C	IntegraSeal POLI	LostCirculation	0.13	lb/sk
4	DisplacementFinal	Fresh Water	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
4	DisplacementFinal	Fresh Water	CI-27	Other	0.21	gal/bbl
4	DisplacementFinal	Fresh Water	OXYGEN SCAVENGER, OS-30	Other	0.17	gal/bbl

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	4/8/2021	13:30					Crew called out
2	Crew departs Yard	4/8/2021	15:00					Crew Departs Yard
3	Crew Arrives On Location	4/8/2021	16:30					Crew Arrives To Location
4	Safety Meeting	4/8/2021	16:45					Rig up Safety Meeting
5	Rig Up	4/8/2021	17:00					Spot in equipment and rig up iron
6	Safety Meeting	4/8/2021	18:15					Safety Meeting with Rig
7	Fill Lines	4/8/2021	18:34	8.34	3.4	5	79	Fill lines with 5 bbls.
8	Pressure Test	4/8/2021	18:37	8.34	0	0	2490	Pressure Test
9	Pump Spacer	4/8/2021	18:40	8.34	5.7	20	118	Pump first 20 bbls. Of water with blue dye
10	Pump Lead CMT	4/8/2021	18:44	12	8	105.9	410	Pump Lead CMT @ 12 ppg (235 sks, 2.53 Y, 14.86 W) for a total of 105.9 bbls.
12	Pump Tail CMT	4/8/2021	18:57	12.5	8	62.4	485	Pump Tail CMT @ 12.5 ppg (157 sks, 2.23 Y, 12.58 W) for a total of 62.4 bbls.
13	Shutdown	4/8/2021	19:05					Shutdown
14	Drop Plug	4/8/2021	19:07					Drop Plug
15	Displacement	4/8/2021	19:09	8.34	8	0	280	Displacement
16	Displacement	4/8/2021	19:17	8.34	8	50	306	50 bbls. Away
17	Cement to Surface	4/8/2021	19:21	8.34	8	77	415	Start getting good cement to surface (33 bbls of cement to surface)
18	Drop Rate	4/8/2021	19:23	8.34	2.8	100	311	Drop rate to land the plug
19	Land Plug	4/8/2021	19:26	8.34	2.8	110	1021	Land Plug @ 110 bbls, final circulating pressure 381 and took to 1021
20	Check floats	4/8/2021	19:29					Floats held, got .5 bbls. Back
21	Safety Meeting	4/8/2021	05:50					Safety Meeting before Rigging Down Iron and Equipment
22	Rig Down	4/8/2021	06:00					Rig Down Iron and Equipment
23	Crew Departs Location	4/8/2021	08:00					Crew Departs Location

Pump Diagrams

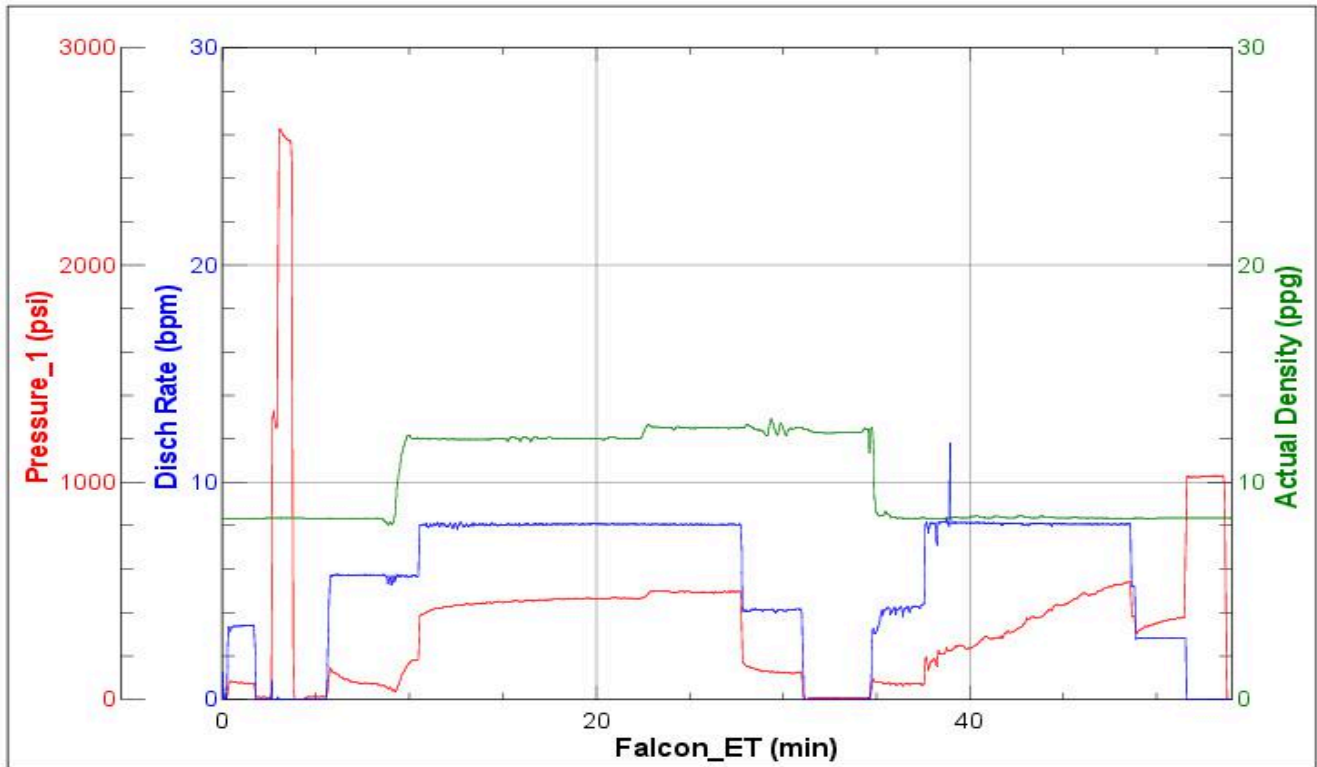


JobMaster Program Version 5.01C 1

Job Number:

Customer: Petro

Well Name: LE Gerkin 13H



BJ Services

Job Start: Thursday, April 08, 2021