



Bayswater Exploration & Production LLC

LONG STRING POST JOB REPORT

Topaz East #14 05-123-51539
S:6 T:7N R:65W Weld CO

CallSheet #: 81371
Proposal #: 59755



LONG STRING Post Job Report

Attention: Trevor Smith | (720) 335-9045 | trevor.smith@iptenergyservices.com
Bayswater Exploration & Production LLC
730 17TH STREET | DENVER, CO 80202

Dear Trevor Smith,

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 Lead | (307) 256-0306 | jason.creel@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)	Top (ft)	Bottom (ft)	Excess (%)
Casing	Outer	9.625	8.921	36	0	1566	0
Open Hole	Outer		8.5		6701	17859	5
Casing	Inner	5.5	4.778	20		17851	0

Equipment / People

Unit Type	Unit
AS Cement Trailer Float	CTF-9054
AS Cement Trailer Float	CTF(FUF)-308
AS Cement Trailer Float	CTF-018
Field Storage Silo	FSS(CTS)-449
Field Storage Silo	FSS(CTS)-459
AS Cement Trailer Float	CTF-021
Cement Trailer Float	CTF-001
Cement Trailer Float	CTF-338
Cement Trailer Float	CTF-341
Field Storage Silo	FSS(CTS)-441
Cement Utility Float	CUF(FIF)-161

Timing

Event	Date/Time
Call Out	5/10/2022 15:30
Depart Facility	5/10/2022 16:30
On Location	5/10/2022 17:30
Rig Up Iron	5/10/2022 19:00
Job Started	5/10/2022 23:42
Job Completed	5/11/2022 03:35
Rig Down Iron	5/11/2022 03:40
Depart Location	5/11/2022 05:30

General Job Information

Metrics	Value
Well Fluid Density	10 lb/gal
Well Fluid Type	OMB
Rig Circulation Vol	3 bbls
Rig Circulation Time	3 hours
Calculated Displacement	396 bbls
Actual Displacement	396 bbls
Total Spacer to Surface	80 bbls
Total CMT to Surface	34 bbls

Casing Equipment

Type	Description	Qty
CENTRALIZER,5-1/2"NON-WELD	Matrix	215

Job Details

Metrics	Value
Flare Prior to Job	No
Flare Prior to Job	0 units
Flare During Job	No
Flare During Job	0 units
Flare at End of Job	No
Flare at End of Job	0 units
Well Full Prior to Job	Yes
Well Fluid Density Into Well	10 lb/gal
Well Fluid Density Out of Well	10 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	225 °F
BHST	225 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	60 °F	50-80 °F
pH Level	8	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	180	0-1000
Total Hardness	125 mg/L	0-500 mg/L
Carbonates	140 mg/L	0-100 mg/L
Sulfates	<200 mg/L	0-1500 mg/L
Potassium	450 mg/L	0-3000 mg/L
Iron	0.15 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	EZ Spacer II	Spacer	12.00			28.26		40.00	0
2	EZ Spacer II	Spacer	12.00			28.26		20.00	0
3	EZ Spacer II	Spacer	12.00			28.26		20.00	0
4	ACem P100.3.01C	Lead	13.20	1.76	9.08		1006.00	315.83	0
5	ACem P50.6.02C	Tail	13.50	1.43	6.97		1801.00	459.05	7184
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17421
7	Water + Chems	DisplacementFinal	8.37			41.53		387.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	EZ Spacer II	FLY ASH (POZZOLAN)	Extender	253.55	lb/bbl
1	Spacer	EZ Spacer II	ASA-301	Viscosifier	3.80	lb/bbl
1	Spacer	EZ Spacer II	R-31	Retarder	0.50	lb/bbl
1	Spacer	EZ Spacer II	R-7C	Retarder	2.00	lb/bbl
1	Spacer	EZ Spacer II	Surfactant, S-801c	Surfactant	1.00	gal/bbl
2	Spacer	EZ Spacer II	FLY ASH (POZZOLAN)	Extender	253.55	lb/bbl
2	Spacer	EZ Spacer II	ASA-301	Viscosifier	3.80	lb/bbl
2	Spacer	EZ Spacer II	R-31	Retarder	0.50	lb/bbl
2	Spacer	EZ Spacer II	R-7C	Retarder	2.00	lb/bbl
2	Spacer	EZ Spacer II	Surfactant, S-801c	Surfactant	1.00	gal/bbl
3	Spacer	EZ Spacer II	FLY ASH (POZZOLAN)	Extender	253.55	lb/bbl
3	Spacer	EZ Spacer II	ASA-301	Viscosifier	3.80	lb/bbl
3	Spacer	EZ Spacer II	R-31	Retarder	0.50	lb/bbl
3	Spacer	EZ Spacer II	R-7C	Retarder	2.00	lb/bbl
3	Spacer	EZ Spacer II	Surfactant, S-801c	Surfactant	1.00	gal/bbl
4	Lead	ACem P100.3.01C	ASTM TYPE III	Cement	70.00	%
4	Lead	ACem P100.3.01C	FLY ASH (POZZOLAN)	Extender	30.00	%
4	Lead	ACem P100.3.01C	ASA-301	Viscosifier	0.30	%BWOB
4	Lead	ACem P100.3.01C	BA-90	BondEnhancer	3.00	lb/sk
4	Lead	ACem P100.3.01C	BENTONITE	Viscosifier	4.00	%BWOB
4	Lead	ACem P100.3.01C	EC-2	BondEnhancer	3.00	%BWOB

Fluid	Type	Fluid	Product	Function	Conc.	Uom
4	Lead	ACem P100.3.01C	FL-24	FluidLoss	0.20	%BWOB
4	Lead	ACem P100.3.01C	FL-66	FluidLoss	0.30	%BWOB
4	Lead	ACem P100.3.01C	FP-24	Defoamer	0.30	%BWOB
4	Lead	ACem P100.3.01C	SR-20	Retarder	0.20	%BWOB
5	Tail	ACem P50.6.02C	CLASS G	Cement	50.00	%
5	Tail	ACem P50.6.02C	FLY ASH (POZZOLAN)	Extender	50.00	%
5	Tail	ACem P50.6.02C	BENTONITE	Viscosifier	2.00	%BWOB
5	Tail	ACem P50.6.02C	FL-24	FluidLoss	0.20	%BWOB
5	Tail	ACem P50.6.02C	FP-24	Defoamer	0.30	%BWOB
5	Tail	ACem P50.6.02C	GW-86	Viscosifier	0.10	%BWOB
5	Tail	ACem P50.6.02C	R-6	Retarder	0.20	%BWOB
5	Tail	ACem P50.6.02C	STATIC FREE	Other	0.01	lb/sk
6	Displacement	Retarded Water + Chems	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
6	Displacement	Retarded Water + Chems	CI-27	Other	0.21	gal/bbl
6	Displacement	Retarded Water + Chems	OXYGEN SCAVENGER, OS-30	Other	0.17	gal/bbl
6	Displacement	Retarded Water + Chems	ResCare CS-2	ClayProtection	0.08	gal/bbl
6	Displacement	Retarded Water + Chems	SR-61L	Retarder	0.10	gal/bbl
7	DisplacementFinal	Water + Chems	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
7	DisplacementFinal	Water + Chems	CI-27	Other	0.21	gal/bbl
7	DisplacementFinal	Water + Chems	OXYGEN SCAVENGER, OS-30	Other	0.17	gal/bbl
7	DisplacementFinal	Water + Chems	ResCare CS-2	ClayProtection	0.08	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	5/10/2022	15:30					Customer requested crew for on location time of 7:30
2	Departs Shop	5/10/2022	17:30					ACC has journey mangement and departs from shop
3	Arrives On Location	5/10/2022	18:45					ACC arrives on location and meet with customer
4	Safety Meeting	5/10/2022	18:50					ACC has safety meeting over rigging down iron and hoses
5	Rig Up Iron	5/10/2022	19:00					ACC rigs up iron and hoses
6	Safety Meeting	5/10/2022	23:17					Safety meeting with ACC, rig crew and company man over job and hazards
7	Fill Pumps And Line	5/10/2022	23:42	8.33	5	5	700	Fill pumps and lines with 5 bbls
8	Pressure Test	5/10/2022	23:44	8.33	0.5	0.5	5300	Pressure test iron and head to 5000 PSI
9	Pump Spacer	5/10/2022	23:56	12	6	40	900	Pump 40 bbls of 12 PPG spacer
10	Pump Sapcer	5/11/2022	00:01	11.5	3	20	600	Pump 20 bbls of 11.5 PPG spacer
11	Pump Spacer	5/11/2022	00:04	11	3	20	610	Pump 20 bbls of 11 PPG spacer
12	Pump Lead Cement	5/11/2022	00:15	13.2	7		729	Pump 315 bbls of 13.2 PPG Lead Cement 7 bpm (1006 Sks, 1.76 Yield, 9.08 Gals/Sks)
13	Pump Lead Cement	5/11/2022	00:32	13.2	7	100	700	100 bbls into lead cement
14	Pump Lead Cement	5/11/2022	00:46	13.2	7	200	630	200 bbls into lead cement
15	Pump Lead Cement	5/11/2022	00:59	13.2	7	300	620	300 bbls into lead cement
16	Pump Tail Cement	5/11/2022	01:02	13.5	7		630	Pump 459 bbls Of 13.5 PPG Tail Cement 7 bpm (1801 Sks, 1.43 Yield, 6.97 Gals/Sks, 6615' TOT)
17	Pump Tail Cement	5/11/2022	01:18	13.5	7	100	620	100 bbls into tail cement
18	Pump Tail Cement	5/11/2022	01:31	13.5	7	200	523	200 bbls into tail cement
19	Pump Tail Cement	5/11/2022	01:45	13.5	7	300	500	300 bbls into tail cement
20	Pump Tail Cement	5/11/2022	01:59	13.5	7	400	500	400 bbls into tail cement
21	Shut Down	5/11/2022	02:14			459		Pump 459 bbls of tail cement and shut down
22	Wash Pumps And Lines	5/11/2022	02:17	8.33	3	15	50	Wash pumps and lines to pit
23	Drop Bottom Plug	5/11/2022	02:21	8.33	3	4	200	Drop bottom plug and pump 5 bbls of SR-61L water and shut down
24	Drop Top Plug	5/11/2022	02:24	8.33	10		400	Break cap and drop top plug with company man to verify plug went down hole
25	Pump Displacement	5/11/2022	02:24	8.33	10		600	Pump total of 396 bbls of fresh water displacement
26	Pump Displacement	5/11/2022	02:36	8.33	10	100	2000	100 bbls into displacement
27	Pump Displacement	5/11/2022	02:48	8.33	10	200	3200	200 bbls into displacement
28	Shut Down	5/11/2022	02:52	8.33		240	1870	240 bbls into displacement shut down spacer to surface swapped over to tanks

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
29	Pump Displacement	5/11/2022	02:56	8.33	6	240	2100	240 bbls into displacement come back onlines
30	Pump Displacement	5/11/2022	03:08	8.33	6	300	3300	300 bbls into displacement
31	Cement To Surface	5/11/2022	00:00	8.33	6	362	3100	362 bbls into displacement got cement to surface for total of 34 bbls of cement to surface
32	Slow Rate	5/11/2022	03:20	8.33	3	376	2413	376 bbls into displacement slow rate to 3 bpm for last 20 bbls
33	Burst Bottom Plug	5/11/2022	03:24	8.33	3	391	3600	391 bbls into displacement burst bottom plug to 3600 PSI
34	Land Top Plug	5/11/2022	03:26	8.33	3	396	4100	396 bbls into displacement land top plug at 4100 PSI and burst to 2600 PSI shut down
35	Check Floats	5/11/2022	03:29					Hold for 3 mins and check floats got 2.5 bbls back floats holding
36	Safety Meeting	5/11/2022	03:35					ACC has safety meeting over rigging down iron and hoses
37	Rig Down Iron	5/11/2022	03:40					ACC rigs down iron and hoses
38	Depart Location	5/11/2022	05:30					ACC has journey management and departs location

Pump Diagrams

Summary Trend

Bayswater 14



Lease: East Topaz



5/11/2022 3:52:38 AM