



Bayswater Exploration & Production LLC LONG STRING POST JOB REPORT

**Topaz East #18 05-123-51543
S:6 T:7N R:65W Weld CO**

CallSheet #: 80876
Proposal #: 59019



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	1567	0
Open Hole	Outer		8.5		1567	17685	7
Casing	Inner	5.5	4.778	20	0	17685	0

Equipment / People

Unit Type	Unit
AS Cement Trailer Float	CTF-018
AS Cement Trailer Float	CTF(FUF)-308
Field Storage Silo	FSS(CTS)-449
AS Cement Trailer Float	CTF(FTF)-031
Field Storage Silo	FSS(CTS)-459
Field Storage Silo	FSS(CTS)-454
Cement Trailer Float	CTF-193
Cement Trailer Float	CTF-341
Cement Trailer Float	CTF-338
Cement Trailer Float	CTF-005
Cement Pump Float	CPF-182
Cement Utility Float	CUF(FIF)-159

Timing

Event	Date/Time
Call Out	4/6/2022 20:00
Depart Facility	4/6/2022 23:00
On Location	4/7/2022 00:00
Rig Up Iron	4/7/2022 00:15
Job Started	4/7/2022 03:07
Job Completed	4/7/2022 07:15
Rig Down Iron	4/7/2022 07:45
Depart Location	4/7/2022 10:00

General Job Information

Metrics	Value
Well Fluid Density	10.2 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	1500 bbls
Rig Circulation Time	2.5 hours
Calculated Displacement	387 bbls
Actual Displacement	392 bbls
Total Spacer to Surface	80 bbls

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	10.2 lb/gal
Well Fluid Density Out of Well	10.2 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	225 °F
BHST	225 °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	140	0-1000
Total Hardness	250 mg/L	0-500 mg/L
Carbonates	40 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
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			29.94		40.00	0
2	EZ Spacer II	Spacer	12.00			29.94		20.00	0
3	EZ Spacer II	Spacer	12.00			29.94		20.00	0
4	ACem P100.3.01C	Lead	13.20	1.79	9.37		924.00	295.01	0
5	ACem P50.6.02C	Tail	13.50	1.51	7.59		1805.00	484.51	6600
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17219
7	Water + Chems	DisplacementFinal	8.37			41.53		382.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	EZ Spacer II	WEIGHTING ADDITIVE, W-11	Heavyweight	239.52	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	WEIGHTING ADDITIVE, W-11	Heavyweight	239.52	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	WEIGHTING ADDITIVE, W-11	Heavyweight	239.52	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 (ROCKIES)	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

Fluid	Type	Fluid	Product	Function	Conc.	Uom
4	Lead	ACem P100.3.01C	EC-2	BondEnhancer	3.00	%BWOB
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	0.25	%BWOB
5	Tail	ACem P50.6.02C	CLASS G	Cement	50.00	%
5	Tail	ACem P50.6.02C	FLY ASH (ROCKIES)	Extender	50.00	%
5	Tail	ACem P50.6.02C	ASA-301	Viscosifier	0.30	%BWOB
5	Tail	ACem P50.6.02C	BENTONITE	Viscosifier	4.00	%BWOB
5	Tail	ACem P50.6.02C	FL-66	FluidLoss	0.20	%BWOB
5	Tail	ACem P50.6.02C	FP-24	Defoamer	0.30	%BWOB
5	Tail	ACem P50.6.02C	SR-20	Retarder	0.09	%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	Callout	4/6/2022	20:00					Crew called out requested on location at 0200
2	Other	4/6/2022	22:00					Crew departed yard to location
3	Arrive On Location	4/7/2022	00:00					Crew arrived on location
4	Safety Meeting	4/7/2022	00:15					Pre rig up safety meeting
5	Rig Up Iron	4/7/2022	00:30					Spotted and rigged up all equipment
6	Safety Meeting	4/7/2022	02:30					Pre job safety meeting
7	Fill Lines	4/7/2022	03:00	8.34	3	5		Fill lines with 5 bbls water
8	Pressure Test Lines	4/7/2022	03:03					Pressure test lines to 6000 psi
9	Pump Spacer	4/7/2022	03:07	12	5	40		Pump 40 bbls spacer @ 12 ppg
10	Pump Spacer	4/7/2022	03:22	11.5	3	40		Pump 20 bbls spacer @ 11.5 ppg, Pump 20 bbls spacer @ 11 ppg, slowed rate to to Las not pulling chems very well
11	Pump Lead Cement	4/7/2022	03:47	13.2	7	0	1700	Pump 295 bbls lead cement at 13.2 ppg (924 sks, 1.79 Y, 9.37 gal/sk)
12	Pump Lead Cement	4/7/2022	04:01	13.2	7	100	1000	100 bbls away
13	Pump Lead Cement	4/7/2022	04:12	13.2	7	200	1100	200 bbls away
14	Pump Tail Cement	4/7/2022	04:30	13.5	7	0	1100	Pump 485 bbls tail cement @ 13.5 ppg (1805 sks, 1.51 Y, 7.59 gal/sk)
15	Pump Tail Cement	4/7/2022	04:44	13.5	7	100	1100	100 bbls away
16	Pump Tail Cement	4/7/2022	04:58	13.5	7	200	1100	200 bbls away
17	Pump Tail Cement	4/7/2022	05:14	13.5	6	300	1000	300 bbls away
18	Pump Tail Cement	4/7/2022	05:31	13.5	6	400	1000	400 bbls away
19	Shutdown	4/7/2022	06:05					Shutdown
20	Clean Pumps and Lines	4/7/2022	06:07					Clean pumps and lines to pit
21	Drop Bottom Plug	4/7/2022	06:12					Drop bottom plug
22	Pump Displacement	4/7/2022	06:13	8.34	5	5	600	Pump 5 bbls retarded water, shutdown
23	Drop Top Plug	4/7/2022	06:17					Drop top plug
24	Pump Displacement	4/7/2022	06:18	8.34	9	0	1600	Pump 387 bbls displacement, first 10 with retarded, remainder with chems
25	Pump Displacement	4/7/2022	06:31	8.34	10	100	3100	100 bbls away
26	Pump Displacement	4/7/2022	06:47	8.34	8	200	3200	200 bbls away
27	Spacer Back to Surface	4/7/2022	06:50					Spacer back to surface, 80 bbls back
28	Pump Displacement	4/7/2022	07:00	8.34	8	300	3000	300 bbls away
29	Cement Back to Surface	4/7/2022	07:01					Cement back to surface, 60 bbls back
30	Slow Pump Rate	4/7/2022	07:08	8.34	3	360	3300	Slow pump rate at 360 bbls away



Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
31	Land Plug	4/7/2022	07:10					Land bottom plug at 3300 psi, burst at 3800 psi
32	Pump Displacement	4/7/2022	07:10	8.34	3	5		Pump 5 bbls
33	Land Plug	4/7/2022	07:15					Land top plug at 2300 psi, burst at 4100 psi, shutdown
34	Check Floats	4/7/2022	07:20					Check floats, floats holding, 2.5 bbls back
35	Safety Meeting	4/7/2022	07:30					Pre rig down safety meeting
36	Rig Down Iron	4/7/2022	07:45					Rigged down all equipment
37	Depart Location	4/7/2022	10:00					Crew departed location

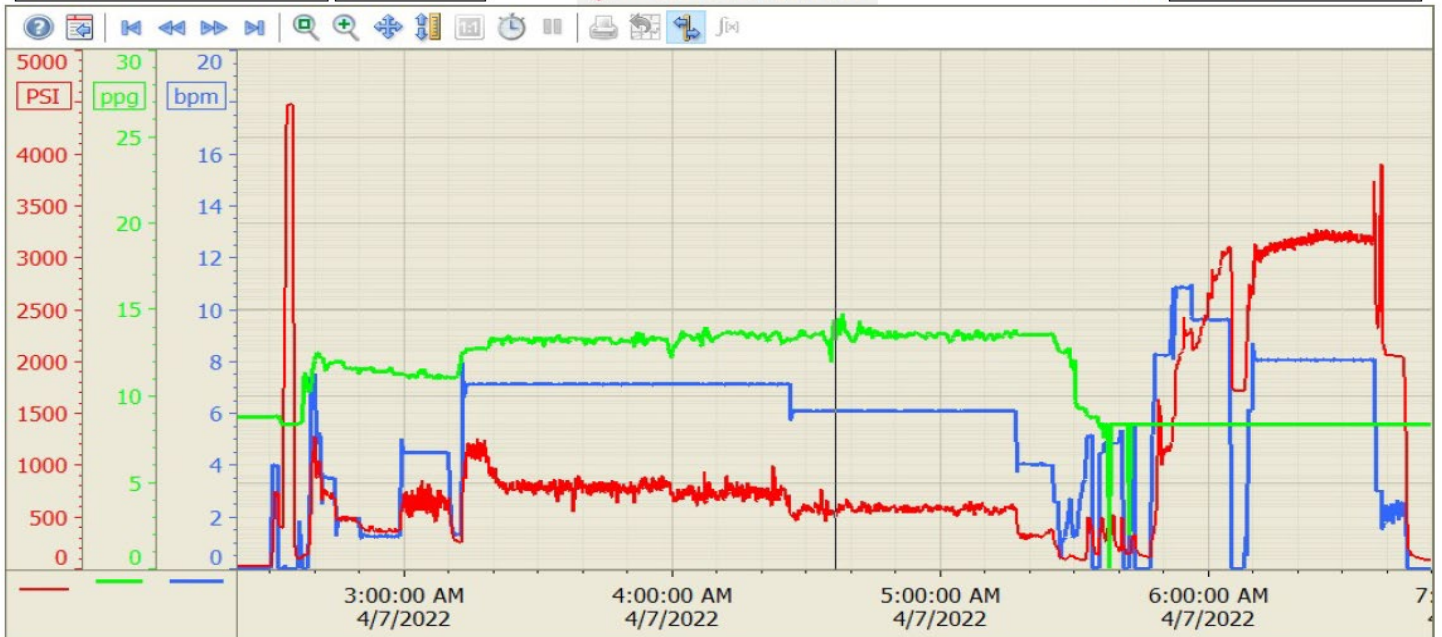
Pump Diagrams

Summary Trend

Bayswater 18



Lease: TOPAZ EAST



4/7/2022 7:58:12 AM