Bayswater Exploration & Production LLC
LONG STRING POST JOB REPORT

Topaz West #2 05-123-51547
S:6 T:7N R:65W Weld CO

CallSheet #: 81751
Proposal #: 60266

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	1551	0
Open Hole	Outer		8.5		1551	17985	5
Casing	Inner	5.5	4.778	20	0	17974	0

Equipment / People

Unit Type	Unit
Field Storage Silo	FSS(CTS)-449
Field Storage Silo	FSS(CTS)-459
Field Storage Silo	FSS(CTS)-441
AS Cement Trailer Float	CTF-018
AS Cement Trailer Float	CTF-9054
Cement Trailer Float	CTF-341
Cement Trailer Float	CTF-193
AS Cement Trailer Float	CTF(FTF)-031
AS Cement Trailer Float	CTF(FUF)-308
Cement Trailer Float	CTF-001
Cement Pump Float	CPF-184
Cement Utility Float	CUF(FIF)-163

Timing

Event	Date/Time
Call Out	6/4/2022 14:15
Depart Facility	6/4/2022 16:00
On Location	6/4/2022 17:00
Rig Up Iron	6/4/2022 18:00
Job Started	6/4/2022 23:30
Job Completed	6/5/2022 02:51
Rig Down Iron	6/5/2022 03:30
Depart Location	6/5/2022 04:30

General Job Information

Metrics	Value
Well Fluid Density	9.8 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	1440 bbls
Rig Circulation Time	3 hours
Calculated Displacement	398.4 bbls
Actual Displacement	398.4 bbls
Total Spacer to Surface	80 bbls
Total CMT to Surface	37 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	No
Well Fluid Density Into Well	9.8 lb/gal
Well Fluid Density Out of Well	9.8 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	225 °F
BHST	225 °F

Water Analysis

Metrics	Value	Recommended
Water Source	None	
Temperature	65 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	1500 mg/L	0-3000 mg/L
Total Alkalinity	400	0-1000
Total Hardness	300 mg/L	0-500 mg/L
Carbonates	50 mg/L	0-100 mg/L
Sulfates	1000 mg/L	0-1500 mg/L
Potassium	1500 mg/L	0-3000 mg/L
Iron	100 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			28.21		40.00	0
2	EZ Spacer II	Spacer	11.50			28.21		20.00	0
3	EZ Spacer II	Spacer	11.00			28.21		20.00	0
4	ACem P100.3.01C	Lead	13.20	1.79	9.36		1030.00	328.10	0
5	ACem P50.6.02C	Tail	13.50	1.50	7.57		1690.00	452.65	7458
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17511
7	Water + Chems	DisplacementFinal	8.37			41.53		389.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	EZ Spacer II	FLY ASH (POZZOLAN)	Extender	256.50	lb/bbl
1	Spacer	EZ Spacer II	GW-86	Viscosifier	1.20	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	256.50	lb/bbl
2	Spacer	EZ Spacer II	GW-86	Viscosifier	1.20	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	256.50	lb/bbl
3	Spacer	EZ Spacer II	GW-86	Viscosifier	1.20	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	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
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

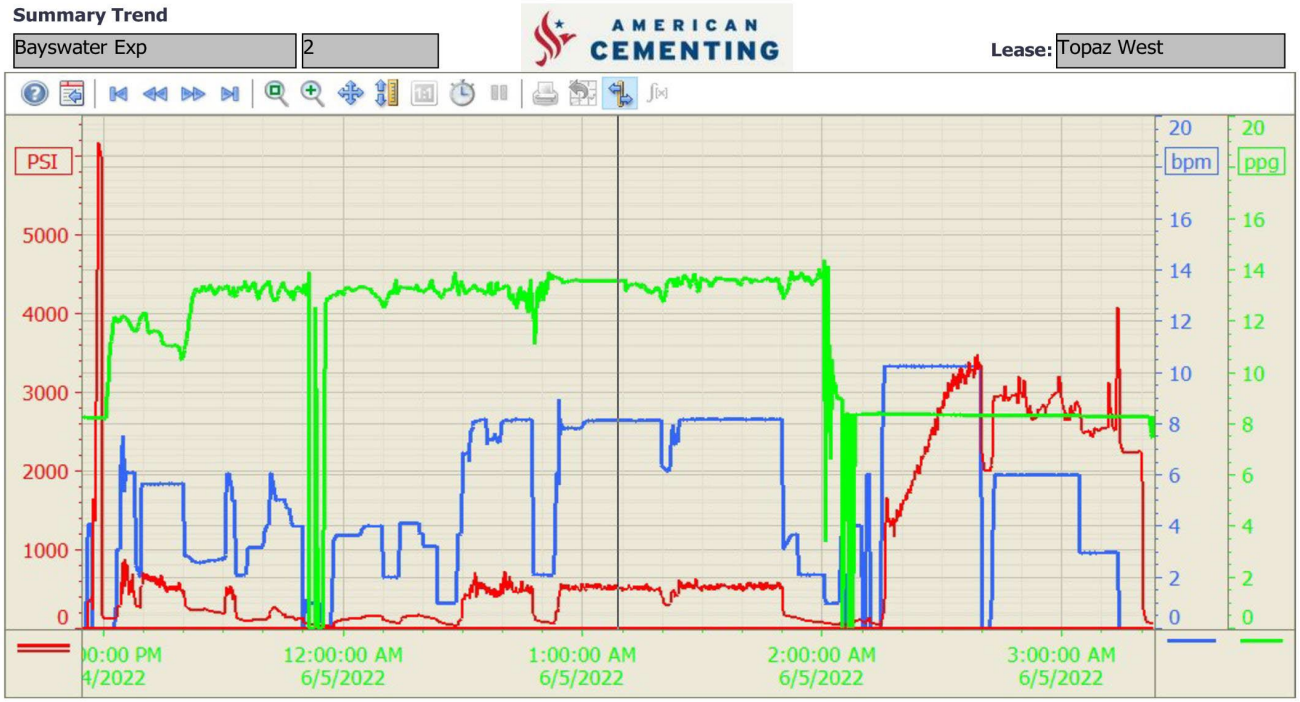
Fluid	Type	Fluid	Product	Function	Conc.	Uom
4	Lead	ACem P100.3.01C	GW-86	Viscosifier	0.05	%BWOB
4	Lead	ACem P100.3.01C	SR-20	Retarder	0.20	%BWOB
5	Tail	ACem P50.6.02C	CLASS G	Cement	50.00	%
5	Tail	ACem P50.6.02C	FLY ASH (ROCKIES)	Extender	50.00	%
5	Tail	ACem P50.6.02C	BENTONITE	Viscosifier	4.00	%BWOB
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	SR-20	Retarder	0.15	%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	6/4/2022	14:15					crew called out to location
2	on location	6/4/2022	17:00					crew on location, spot equipment
3	rig up	6/4/2022	18:00					rig up equipment
4	safety meeting	6/4/2022	22:00					safety meeting with company man and rig crew
5	pressure test	6/4/2022	22:30	8.34	0.2	0.2	6300	pressure test lines to 6300 psi
6	spacer	6/4/2022	22:34	12	6	28	700	28 bbl spacer @ 12 # w/surfactants
7	spacer	6/4/2022	22:40	11.5	5	26	600	26 bbl spacer @ 11.5 # w/surfactants
8	spacer	6/4/2022	20:45	11	5	26	550	26 bbl spacer @ 11 # w/surfactants
9	lead cement	6/4/2022	20:50	13.2	4	328	200	lead cement pumped as we could get product from silo, slowing down to 1 bpm in episodes and getting back to 4 bpm, shutdown for 3 minutes to check on cement head and ovstructions on lines, until we got it under control, 1030 sk / 328 bbl slurry / yield 1.79 / mix water 9.4 / wet and dry samples taken and weight verified
10	tail cement	6/5/2022	00:20	13.5	7	452	600	tail cement: 1690 sk / 452 bbl slurry / yield 1.50 / mix water 7.6 / wet and dry samples taken and weight verified
11	tail cement	6/5/2022	01:20	13.5	3		200	last part of tail cement, slow down to empty silos
12	drop bottom plug	6/5/2022	01:32					shut down / wash pumping lines to pit and drop bottom plug
13	pump bottom plug	6/5/2022	01:42	8.34	5	5	300	pump 5 bbl sugar water behind bottom plug
14	drop top plug	6/5/2022	01:45					shutdown / load top plug
15	displacement	6/5/2022	01:46	8.34	10	5	600	pump 5 bbl sugar water behing top plug and continue with displacement and chemicals
16	displacement	6/5/2022	01:48	8.34	10	20	1600	20 bbl on displacement, catch plug , 1600 psi at 10 bpm
17	displacement	6/5/2022	01:51	8.34	10	50	1700	50 bbl on displacement, 1700 psi at 10 bpm
18	displacement	6/5/2022	01:56	8.34	10	100	2350	100 bbl away on displacement, 2350 psi at 10 bpm
19	displacement	6/5/2022	02:01	8.34	10	150	3000	150 bbl on displacement, 3000 psi at 10 bpm
20	displacement	6/5/2022	02:06	8.34	10	200	3400	200 bbl on displacemenmt, 3400 psi at 10 bpm
21	shutdown	6/5/2022	02:11	8.34		240		240 bbl away on displacement, interface back to surface, shutdown to swap rig lines to pit
22	back on line	6/5/2022	02:13	8.34	6	240	3100	back on line, 3100 psi at 6 bpm
23	displacement	6/5/2022	02:15	8.34	6	250	3000	250 bbl on displacement, 3000 psi at 6 bpm
24	displacement	6/5/2022	02:23	8.34	6	300	3000	300 bbl away on displacement, 3000 psi at 6 bpm
25	displacement	6/5/2022	02:32	8.34	6	350	3000	350 bbl away on displacement, 3000 psi at 6 bpm
26	displacement	6/5/2022	02:35	8.34	3	375	2650	375 bbl on displacement, slow down to 3 bpm to land plugs
27	displacement	6/5/2022	02:43	8.34	3	394	2600-3600	394 bbl on displacement, burst bottom plug, taking from 2600 psi to 3600 psi
28	displacement	6/5/2022	02:46	8.34	3	398	2600-4500	398 bbl, burst top plug, taking from 2600 psi to 4500 psi to burst
29	check floats	6/5/2022	02:51	8.34			4500-0	check floats: 3 1/4 bbl back
30	wash rig lines	6/5/2022	03:00					wash rig lines

Line	Event	Date (MM/DD/YY)	Time (HH:MM)	Density (lb/gal)	Pump Rate (bpm)	Pump Volume (bbls)	Pipe Pressure (psi)	Comment
31	rig down	6/5/2022	03:30					rig down equipment
32		6/5/2022	00:00					37 bbl of cement back to surface

Pump Diagrams



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