



# **Bayswater Exploration & Production LLC LONG STRING POST JOB REPORT**

**Ruby East #3 05-123-51741  
S:7 T:7N R:65W Weld CO**

CallSheet #: 83436  
Proposal #: 63236



**LONG STRING Post Job Report**

**Attention:** Trevor Smith | (720) 335-9045 | [trevor.smith@iptenergyservices.com](mailto: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@americacementing.com](mailto: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 (%)
Casing	Outer	9.625	8.921	36	0	1575	0
Open Hole	Outer		8.5		1563	18056	5
Casing	Inner	5.5	4.778	20	7109	18049	0

### Equipment / People

Unit Type	Unit
Field Storage Silo	FSS-463
Field Storage Silo	FSS-465
Field Storage Silo	FSS-442
AS Cement Trailer Float	CTF-031
Cement Trailer Float	CTF-193
AS Cement Trailer Float	CTF-308
AS Cement Trailer Float	CTF-021
AS Cement Trailer Float	CTF-018
AS Cement Trailer Float	CTF-9566
Cement Trailer Float	CTF-002
AS Cement Trailer Float	CTF-9054
Light Duty Vehicles	LDV-013
Cement Pump Float	CPF-183

### Timing

Event	Date/Time
Call Out	9/19/2022 01:30
Depart Facility	9/19/2022 05:20
On Location	9/19/2022 06:20
Rig Up Iron	9/19/2022 06:40
Job Started	9/19/2022 09:41
Job Completed	9/19/2022 13:19
Rig Down Iron	9/19/2022 13:30
Depart Location	9/19/2022 15:00

### General Job Information

Metrics	Value
Well Fluid Density	10 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	1300 bbls
Rig Circulation Time	3 hours
Calculated Displacement	400 bbls
Actual Displacement	400 bbls
Total Spacer to Surface	80 bbls
Total CMT to Surface	30 bbls

### Casing Equipment

Type	Description	Qty
CENTRALIZER,5-1/2"NON-WELD	Matrix	217

### Job Details

Metrics	Value
Flare Prior to Job	No
Flare Prior to Job	530 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	65 °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 mg/L	0-300 mg/L

### Circulation

Lost Circulation Experienced
No

### Job Execution Information

Fluid	Product	Function	Density (lb/gal)	Yield (ft <sup>3</sup> /sk)	Water Rq. (gal/sk)	Water Rq. (gal/bbl)	Volume (sks)	Volume (bbl)	Designed Top (ft)
1	EZ Spacer II	Spacer	12.00					40.00	0
2	EZ Spacer II	Spacer	11.50					20.00	0
3	EZ Spacer II	Spacer	11.00					20.00	0
4	Lead	Lead	13.50	1.55	7.81		1180.00	325.86	0
5	Tail	Tail	13.50	1.50	7.57		1670.00	447.26	7429
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17364
7	Water + Chems	DisplacementFinal	8.37			41.53		386.00	0

### Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	EZ Spacer II	WEIGHTING ADDITIVE, W-11	Heavyweight	242.31	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	WEIGHTING ADDITIVE, W-11	Heavyweight	242.31	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	WEIGHTING ADDITIVE, W-11	Heavyweight	242.31	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	Lead	CLASS G	Cement	50.00	%
4	Lead	Lead	FLY ASH (ROCKIES)	Extender	50.00	%
4	Lead	Lead	BENTONITE	Viscosifier	4.00	%BWOB
4	Lead	Lead	EC-2	BondEnhancer	3.00	%BWOB
4	Lead	Lead	FL-24	FluidLoss	0.20	%BWOB

Fluid	Type	Fluid	Product	Function	Conc.	Uom
4	Lead	Lead	FL-66	FluidLoss	0.30	%BWOB
4	Lead	Lead	FP-24	Defoamer	0.30	%BWOB
4	Lead	Lead	GW-86	Viscosifier	0.10	%BWOB
4	Lead	Lead	SR-20	Retarder	0.05	%BWOB
4	Lead	Lead	STATIC FREE	Other	0.01	lb/sk
5	Tail	Tail	CLASS G	Cement	50.00	%
5	Tail	Tail	FLY ASH (ROCKIES)	Extender	50.00	%
5	Tail	Tail	BENTONITE	Viscosifier	4.00	%BWOB
5	Tail	Tail	FL-24	FluidLoss	0.20	%BWOB
5	Tail	Tail	FP-24	Defoamer	0.30	%BWOB
5	Tail	Tail	GW-86	Viscosifier	0.10	%BWOB
5	Tail	Tail	SR-20	Retarder	0.13	%BWOB
5	Tail	Tail	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	9/19/2022	01:30					Customer requested crew for 7:30
2	Depart Shop	9/19/2022	05:15					Crew has journey mangement and departs from shop
3	Arrive on Location	9/19/2022	06:20					ACC arrives ion location and meet customer
4	Safety meeting	9/19/2022	06:30					ACC has safety meeting over rigging up iron and hoses
5	Rig Up iron	9/19/2022	06:40					ACC rigs up iron and hoses
6	Safety meeting	9/19/2022	09:30					Safety meeting with ACC, rig crew and company man over job and hazards
7	Fill Pumps And Lines	9/19/2022	09:41	8.33				Fill pumps and lines
8	Pressure Test	9/19/2022	09:44	8.33				Pressure test iron to 5000 PSI
9	Pump Spacer	9/19/2022	09:52	12				Pump 40 bbls of 12 PPG spacer
10	Pump Spacer	9/19/2022	09:58	11.5				Pump 20 bbls of 11.5 PPG spacer
11	Pump Spacer	9/19/2022	10:00	11				Pump 20 bbls of 11 PPG spacer
12	Pump Lead Cement	9/19/2022	10:05	13.5	7.5			Pump 325.9 bbls of 13.5 PPG Lead Cement At 6 bpm ( 1180 Sks, 1.55 Yield, 7.81 Gals/Sks)
13	Pump Lead Cement	9/19/2022	10:21	13.5	7.5	100	630	100 bbls into lead cement
14	Pump Lead Cement	9/19/2022	10:30	13.5	7.5	200	650	200 bbls into lead cement
15	Pump Lead Cement	9/19/2022	10:41	13.5	7.5	300	620	300 bbls into lead cement
16	Pump Tail Cement	9/19/2022	10:55	13.5	7.5		600	Pump total of 325.9 bbls of 13.5 PPG lead And swap to tail cement Pump 447.3 bbls pf 13.5 PPG Tail Cement At 6 bpm ( 1670 Sks, 1.50 Yield, 7.57 Gals/Sks)
17	Pump Tail Cement	9/19/2022	11:08	13.5	7.5	100	620	100 bbls into tail cement
18	Pump Tail Cement	9/19/2022	11:21	13.5	7.5	200	650	200 bbls into tail cement
19	Pump Tail Cement	9/19/2022	11:33	13.5	6.5	300	420	300 bbls into tail cement
20	Pump Tail Cement	9/19/2022	11:45	13.5	7.5	400	550	400 bbls into tail cement
21	Shut Down	9/19/2022	12:03			447.3		Pump total of 447.3 bbls of 13.5 PPG tail cement and shut down
22	Wash Up	9/19/2022	12:07	8.33	4	15	45	Wash pumps and lines while doing so bust off top cap of head and pre load bottom plug
23	Pump Bottom Plug	9/19/2022	12:10	8.33	3	5	200	Pump 5 of retarded water and pump bottom plug down hole and shut down
24	Drop Top Plug	9/19/2022	12:14	8.33				Pre load plug after shut down and drop top plug with company man to verify plug went down hole
25	Pump Displacement	9/19/2022	12:14	8.33	10		1400	Pump total of 400 bbls of fresh water displacement
26	Pump Displacement	9/19/2022	12:27	8.33	10	100	2200	100 bbls into displacement
27	Pump Displacement	9/19/2022	12:39	8.33	10	200	2950	200 bbls into displacement



28	Slow Rate	9/19/2022	12:46	8.33	6	250	2950	250 bbls into displacement slow rate to 6 bpm due to deck engines over heating and leaking anti freeze
29	Pump Displacement	9/19/2022	12:53	8.33	6	300	2950	300 bbls into displacement
30	Cement To Surface	9/19/2022	13:05	8.33	6	370	2850	370 bbls into displacement got cement to surface for total of 30 bbls of cement to surface
31	Slow Rate	9/19/2022	13:06	8.33	6	380	2600	380 bbls into displacement slow rate for last 20 bbls of displacement
32	Burst Bottom plug	9/19/2022	13:12	8.33	3	400	3400	400 bbls into displacement Landed bottom plug at 3400 PSI and bursted at 2800 PSI
33	Burst Top plug	9/19/2022	13:14	8.33	3	405	4200	Pump 5 bbl wet shoe pressured up on top plug to 4200 PSI bursted down to 2200 PSI shut down pumping
34	Check Floats	9/19/2022	13:19					Got 3.5 bbls back floats holding
35	Safety meeting	9/19/2022	13:25					ACC has safety meeting over rigging down iron and hoses
36	Rig Down	9/19/2022	13:30					ACC rigs down iron and hoses
37	Depart Location	9/19/2022	15:00					ACC departs location

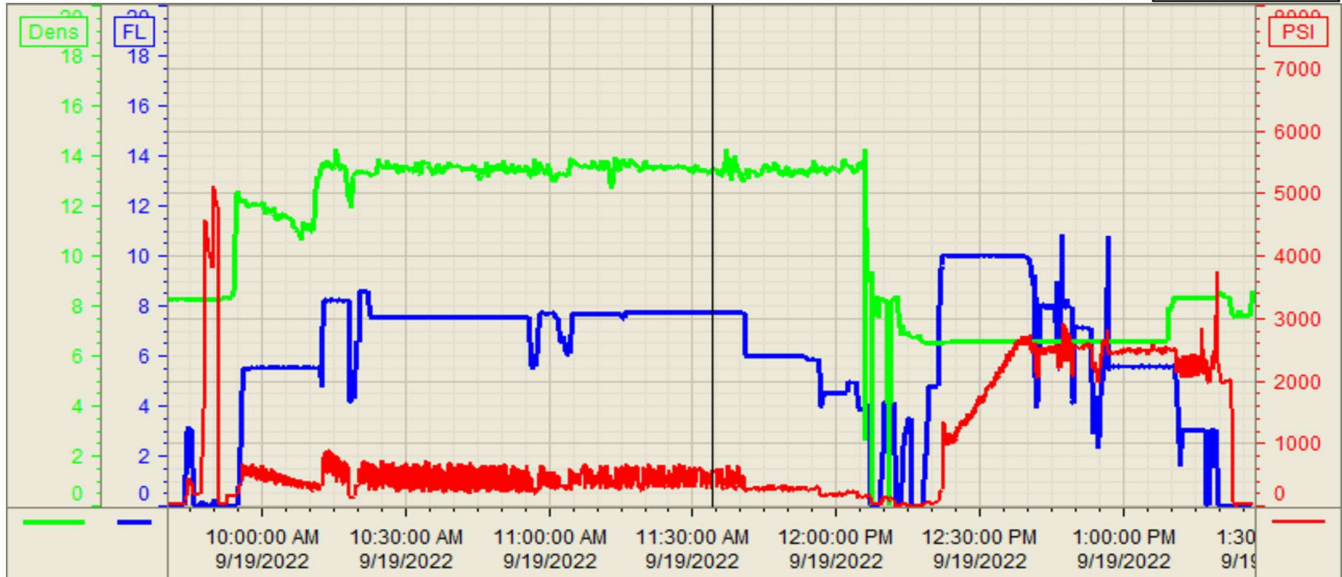
# Pump Diagrams

Customer: bayswater  
Well Number: ruby east  
Lease Info: 13

Stage	Sacks (sacks)	Water (gal/sack)	Slurry (cu.ft/sack)	Density (ppg)	Total (bbls)
1	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	8.5	100.0
4	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0

Stage	Sacks (sacks)	Water (gal/sack)	Slurry (cu.ft/sack)	Density (ppg)	Total (bbls)
6	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0

Print Date/Time  
9/19/2022 1:56:38 PM



Name	Y value	X value/time stamp	Tag name Y
1 PS - Press (PSI)	257.8	9/19/2022 11:33:56 AM	CementerPS_DISCHARGE_PRESS_DIAL
2 Den - Density (PPG)	13.35	9/19/2022 11:33:52 AM	CementerDENSITY_ACTUAL_RATE
3 Pump Rate	7.72	9/19/2022 11:33:50 AM	CementerFlow_Combined
4			
5			

Source: Control1 1:56:38 PM