



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

**Ruby East #2 05-123-51740  
S:7 T:7N R:65W Weld CO**

CallSheet #: 83619  
Proposal #: 63532



**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

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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	1562	0
Open Hole	Outer		8.5		1562	18244	5
Casing	Inner	5.5	4.778	20	0	18244	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-9594
Cement Trailer Float	CTF-002
AS Cement Trailer Float	CTF-308
Cement Trailer Float	CTF-278
Cement Trailer Float	CTF-339
AS Cement Trailer Float	CTF-031
AS Cement Trailer Float	CTF-2944
Cement Utility Float	CUF-163
Cement Pump Float	CPF-183

### Timing

Event	Date/Time
Call Out	9/23/2022 20:00
Depart Facility	9/23/2022 23:00
On Location	9/24/2022 00:30
Rig Up Iron	9/24/2022 01:00
Job Started	9/24/2022 05:25
Job Completed	9/24/2022 08:55
Rig Down Iron	9/24/2022 09:00
Depart Location	9/24/2022 11:00

### General Job Information

Metrics	Value
Well Fluid Density	9.9 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	2160 bbls
Rig Circulation Time	3 hours
Calculated Displacement	403.12 bbls
Actual Displacement	403 bbls
Total Spacer to Surface	80 bbls
Total CMT to Surface	46 bbls

### Casing Equipment

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

### 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	9.9 lb/gal
Well Fluid Density Out of Well	9.9 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	7	5.5-8.5
Chlorides	0 mg/L	0-3000 mg/L
Total Alkalinity	180	0-1000
Sulfates	0 mg/L	0-1500 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		1165.00	321.72	0
5	Tail	Tail	13.50	1.50	7.57		1751.00	468.95	7324
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17778
7	Water + Chems	DisplacementFinal	8.37			41.53		395.00	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
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	9/23/2022	20:00					ACC gets called out , Requested time OL was 0200 hrs 9/24/22
2	Depart Facility	9/23/2022	23:00					ACC departs facility Cheyenne Wy
3	Arrive To Location	9/24/2022	00:30					ACC arrives to location rig is currently Rigging Down Casing Crew
4	Rig Up	9/24/2022	01:00					ACC spots in units, rigs up pump and iron
5	Pressure Test	9/24/2022	05:25				5000	Pressure test pumps and lines to 5000 psi
6	Pump EZ II Spacer	9/24/2022	05:34	12	6	40	571	Pumped 40 bbls 12 ppg EZ II Spacer At 6 bpm w/ 571 psi
7	Pump EZ II Spacer	9/24/2022	05:42	11.5	6	20	505	Pumped 20 bbls 11.5 ppg EZ II Spacer At 6 bpm w/ 505 psi
8	Pump EZ II Spacer	9/24/2022	05:46	11	6	20	458	Pumped 20 bbls 11 ppg EZ II Spacer At 6 bpm w/ 458 psi
9	Pump Lead CMT	9/24/2022	05:50	13.5	8.5	321.6	1041	Pumped 321.60 bbls of LEAD CMT (1165 sks 13.5 ppg 1.55 yld 7.8 g/sk) at 8.5 bpm w/ 1041 psi
10	Pump Tail CMT	9/24/2022	06:32	13.5	8.5	467.77	604	Pumped 467.77 bbls of TAIL CMT ( 1751 sks 13.5 ppg 1.50 yld 7.6 g/sk ) at 8.5 bpm w/ 604 psi
11	Shut Down	9/24/2022	07:35					Shut Down pumping cement
12	Wash Pump/Lines	9/24/2022	07:40					Wash pumps and lines to open top
13	Drop 1st Plug	9/24/2022	07:50					Drop 1st plug w/OSR
14	Pump 5 BBL Wet Shoe	9/24/2022	07:55	8.33	5	5	55	Pumped 5 bbls FW w/SR61L for wet shoe and shut down.
15	Drop 2nd Plug	9/24/2022	07:58					Drop 2nd Plug , W/OSR
16	Pump Disp	9/24/2022	08:00	8.33	10		155	Pump FW Disp w/chems at 10 bpm w/ 155 psi
17	Spacer To Surface	9/24/2022	08:28	8.33	8	275	3100	At 275 bbls away into disp slow down rate to 8 bpm w/ 3100 psi
18	Cement To Surface	9/24/2022	08:42	8.33	8	355	3190	At 355 bbls away into disp got cement back to surface at 8 bpm w/ 3190 psi
19	Slow Down Rate	9/24/2022	08:45	8.33	3	380	2447	At 380 bbls away into disp slow down rate to 3 bpm w/ 2447 psi
20	Busrt 1st Plug	9/24/2022	08:48	8.33	3	395	3500	Burst 1st plug at 3 bpm w/3500 psi
21	Busrt 2nd Plug	9/24/2022	08:50	8.33	3	401	4500	Burst 2nd plug at 3 bpm w/ 4500 psi shut down immediately
22	Check Floats	9/24/2022	08:55					Check floats got 3 bbls back
23	Rig Down	9/24/2022	09:00					ACC rigs down equipment and iron
24	Depart Location	9/24/2022	11:00					ACC departs location
25	Other	9/24/2022	11:01			46		Total Cement To Surface - 46 bbls

# Pump Diagrams

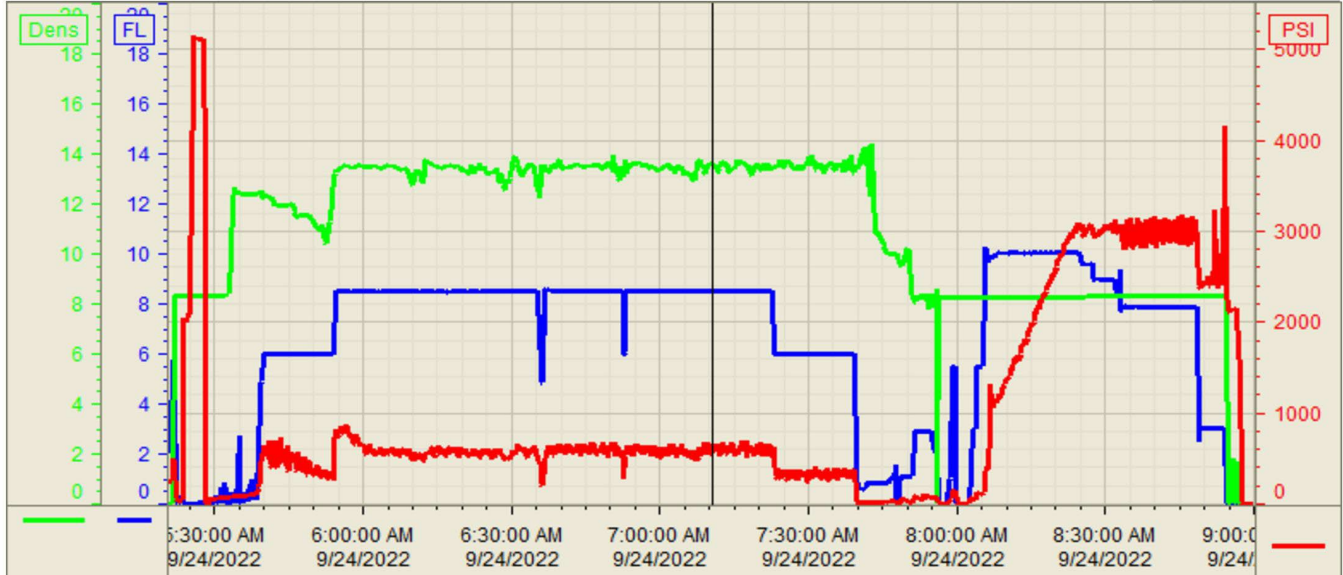
Customer: Bayswater Exp.  
Well Number: Ruby East  
Lease Info: 2

Stage	Sacks (sacks)	Water (gal/sack)	Slurry (cu.ft/sack)	Density (ppg)	Total (bbls)
1	0.0	0.0	0.0	8.3	2000.0
2	0.0	0.0	0.0	8.3	2000.0
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	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
	0.0	0.0	0.0	0.0	0.0

Print Date/Time

9/24/2022 9:46:46 AM



Name	Y value	X value/time stamp	Tag name Y
1 DS - Press (PSI)	594.4	9/24/2022 7:10:32 AM	CementerDS_DISCHARGE_PRESS_DIAL
2 Den - Density (PPG)	13.60	9/24/2022 7:10:26 AM	CementerDENSITY_ACTUAL_RATE
3 Pump Rate	8.51 i.	9/24/2022 7:10:31 AM i.	CementerFlow_Combined
4			
5			

Source: Control1 9:46:45 AM