



---

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

**Ruby West #8 05-123-51749  
S:7 T:7N R:65W Weld CO**

CallSheet #: 83357  
Proposal #: 63105



**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	1563	0
Open Hole	Outer		8.5		1563	17926	5
Casing	Inner	5.5	4.778	20	0	17917	0

### Equipment / People

Unit Type	Unit
AS Cement Trailer Float	CTF-308
AS Cement Trailer Float	CTF-9566
AS Cement Trailer Float	CTF-2944
Field Storage Silo	FSS-448
Cement Trailer Float	CTF-003
Cement Trailer Float	CTF-566
AS Cement Trailer Float	CTF-018
AS Cement Trailer Float	CTF-031
AS Cement Trailer Float	CTF-9594
Field Storage Silo	FSS-461
Field Storage Silo	FSS-440
Cement Pump Float	CPF-183
Cement Utility Float	CUF-158

### Timing

Event	Date/Time
Call Out	9/14/2022 10:30
Depart Facility	9/14/2022 13:30
On Location	9/14/2022 15:00
Rig Up Iron	9/14/2022 15:30
Job Started	9/14/2022 17:49
Job Completed	9/14/2022 21:50
Rig Down Iron	9/14/2022 22:05
Depart Location	9/14/2022 23:45

### General Job Information

Metrics	Value
Well Fluid Density	9.8 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	2200 bbls
Rig Circulation Time	3.5 hours
Calculated Displacement	397.2 bbls
Actual Displacement	397.2 bbls
Total Spacer to Surface	80 bbls
Total CMT to Surface	24 bbls
Well Topped Out	No

### Casing Equipment

Type	Description	Qty
CENTRALIZER,5-1/2"NON-WELD	Bowstring	210

### 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	9.8 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	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 <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	7520
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17463
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	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



Fluid	Type	Fluid	Product	Function	Conc.	Uom
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	9/14/2022	10:30					Customer requested for Crew to be On Location at 16:30
2	Depart Yard	9/14/2022	13:30					AC Crew has Journey Management and Departs from Shop
3	Arrive on Location	9/14/2022	15:00					AC Crew Arrives on Location and Meets with Company Representative
4	Safety Meeting	9/14/2022	15:15					AC Crew has Safety Meeting over Spotting Trucks and Rigging Up Iron
5	Rig Up Iron	9/14/2022	15:30					AC Crew Rigs Up Iron and Hoses
6	Waiting Time	9/14/2022	16:45					Waiting on Rig to Finish Circulating
7	Safety Meeting	9/14/2022	17:30					AC Crew has Safety Meeting with Rig Crew and Company Representative Over Job and Hazards
8	Fill Lines	9/14/2022	17:49	8.34	4	5	750	Fill Pump and Lines
9	Pressure Test	9/14/2022	17:51	8.34	0.5	0.5	6180	Pressure Test Iron and Values 6180 PSI
10	Pump Spacer	9/14/2022	18:00	12	5.5	40	800	Pump 40 bbls of EZ II Spacer at 12 PPG
11	Pump Spacer	9/14/2022	18:05	11.5	5.5	20	800	Pump 20 bbls of EZ II Spacer at 11.5 PPG
12	Pump Spacer	9/14/2022	18:10	11	5.5	20	750	Pump 20 bbls of EZ II Spacer at 11 PPG
13	Pump Lead Cement	9/14/2022	18:14	13.5	7	0	800	Pumped 325.7 bbls of Lead Cement at 13.5 PPG (1180 Sks, 1.55 Yield, 7.81 Gal/Sk)
14	Pump Tail Cement	9/14/2022	19:14	13.5	8	0	900	Pumped 446.1 bbls of Tail Cement at 13.5 PPG (1670 Sks, 1.50 Yield, 7.57 Gal/Sk)
15	Rate Change	9/14/2022	19:51	13.5	6	290	700	Slowed Rate to 6 BPM to finish Tail Cement / Pumped at Total of 446.1 bbls of Tail Cement
16	Shutdown	9/14/2022	20:29					Shutdown / Drop Low Pressure Plug / Wash Pump and Lines to Pit
17	Displacement	9/14/2022	20:40	8.34	5	0	200	Pumped First 5 bbls of Fresh Water Displacement with SR-61L
18	Shutdown	9/14/2022	20:41					Shutdown / Drop High Pressure Plug
19	Displacement	9/14/2022	20:44	8.34	8	10	300	Finished Pumping first 10 bbls of Fresh Water Displacement with SR-61L
20	Rate Change	9/14/2022	20:46	8.34	10	20	500	Increased Rate on Displacement to 10 BPM
21	Rate Change	9/14/2022	21:08	8.34	8	180	3000	Decreased Rate to 8 BPM
22	Spacer to Surface	9/14/2022	21:27	8.34	7	291	3300	At 291 bbls Away into Fresh Water Displacement got Spacer to Surface
23	Cement to Surface	9/14/2022	21:41	8.34	8	373	3250	At 373 Away into Fresh Water Displacement got Cement to Surface / 24 bbls of Cement to Surface
24	Rate Change	9/14/2022	21:42	8.34	3	380	2700	At 380 bbls Away into Displacement Slowed Down to 3 BPM to Burst 1st Plug
25	Bursted 1st Plug	9/14/2022	21:45	8.34	3	390	3800	1st Plug Bursted at 3800 PSI
26	Bursted 2nd Plug	9/14/2022	21:47	8.34	3	397	4500	At 397 bbls Away into Displacement / Bursted 2nd Plug at 4500 PSI
27	Shutdown	9/14/2022	21:48			397		Pumped a Total of 397 bbls of Fresh Water Displacement with Chems
28	Check Floats	9/14/2022	21:50					Checked Floats / Floats Held 3 bbls Back
29	Rig Down Iron	9/14/2022	22:05					AC Crew Rigged Down Treating Lines and Equipment
30	Depart Location	9/14/2022	23:45					AC Crew Departs Location

# Pump Diagrams

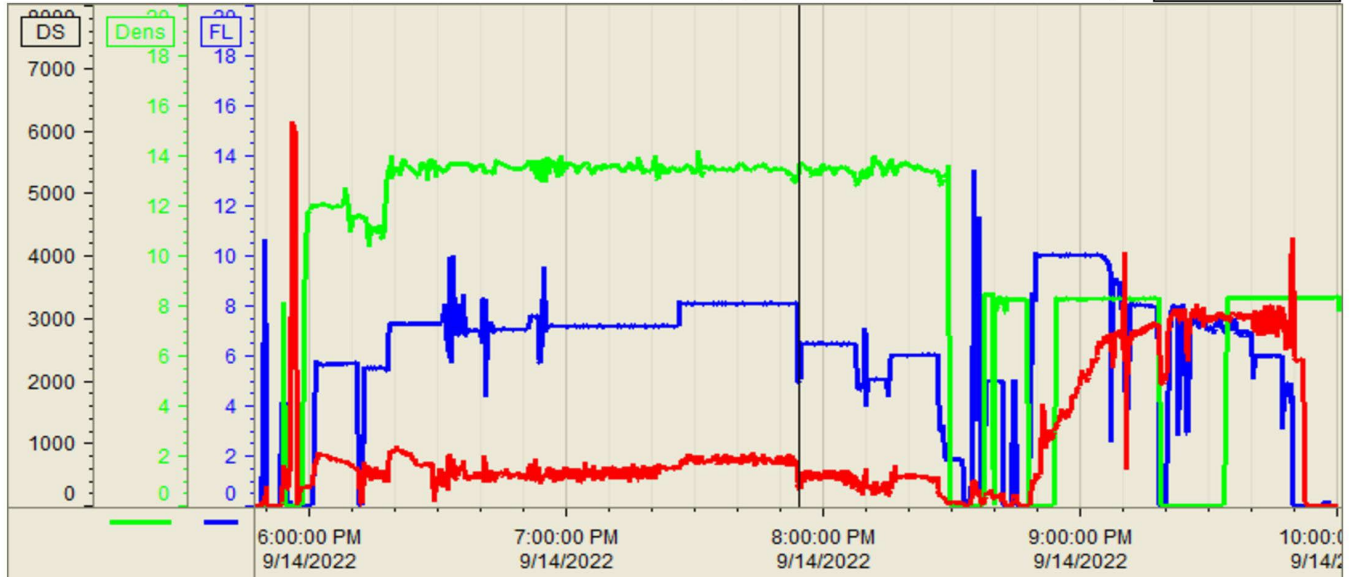
Customer: bayswater  
Well Number: ruby west 8  
Lease Info: ruby west

Stage	Sacks (sacks)	Water (gal/sack)	Slurry (cu.ft/sack)	Density (ppg)	Total (bbls)
1	0.0	0.0	0.0	8.3	9999.0
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

9/14/2022 10:48:44 PM



Name	Y value	X value/time stamp	Tag name Y
1 DS - Press (PSI)	350	9/14/2022 7:54:03 PM	CementerDS_DISCHARGE_PRESS_DIAL
2 Den - Density (PPG)	13.25 l.	9/14/2022 7:54:06 PM l.	CementerDENSITY_ACTUAL_RATE
3 Pump Rate	4.89	9/14/2022 7:54:05 PM	CementerFlow_Combined
4			
5			

Source: Control1 10:48:43 PM