



Bayswater Exploration & Production LLC LONG STRING POST JOB REPORT

**Onyx Federal #2 05-123-52198
S:26 T:7N R:66W Weld CO**

CallSheet #: 89851
Proposal #: 73661



LONG STRING Post Job Report

Attention: Jeff Overman | joverman@bayswater.us
Bayswater Exploration & Production LLC
730 17TH STREET | DENVER, CO 80202

Dear Jeff Overman,

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	1723	0
Open Hole	Outer		8.5		1723	22003	5
Casing	Inner	5.5	4.778	20	0	21987	0

Equipment / People

Unit Type	Unit
Field Storage Silo	FSS-465
Field Storage Silo	FSS-460
Field Storage Silo	FSS-458
Field Storage Silo	FSS-434
Cement Trailer Float	CTF-003
Cement Pump Float	CPF-182
Light Duty Vehicles	LDV-113
Light Duty Vehicles	LDV-109

Timing

Event	Date/Time
ERTS	01/09/2024 00:00
Call Out	1/10/2024 07:30
Depart Facility	1/10/2024 11:30
On Location	1/10/2024 13:30
Rig Up Iron	1/10/2024 14:00
Job Started	1/10/2024 17:56
Job Completed	1/10/2024 22:05
Rig Down Iron	1/10/2024 22:30
Depart Location	1/10/2024 23:50

General Job Information

Metrics	Value
Well Fluid Density	10.3 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	1989 bbls
Rig Circulation Time	3 hours
Calculated Displacement	487 bbls
Actual Displacement	487 bbls
Total Spacer to Surface	40 bbls
Total CMT to Surface	0 bbls

Casing Equipment

Type	Description	Qty
CENTRALIZER,5-1/2"NON-WELD		245

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	10.3 lb/gal
Well Fluid Density Out of Well	10.3 lb/gal

Job Details (cont.)

Metrics	Value
BHCT	230 °F
BHST	230 °F

Water Analysis

Metrics	Value	Recommended
Water Source	Upright Rig Tank	
Temperature	60 °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	<250 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	IntegraGuard EZ	Spacer	12.00			29.93		80.00	0
2	No Surfs	Spacer	12.00			30.92		20.00	1233
3	Primary	Primary	13.50	1.90	9.33		2585.00	874.74	1650
4	Retarded Water	Displacement	8.35			41.81		20.00	21083
5	Water with Chems	DisplacementFinal	8.34			41.91		467.00	0

Job Fluid Details

Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	IntegraGuard EZ	WEIGHTING ADDITIVE, W-11	Heavyweight	242.40	lb/bbl
1	Spacer	IntegraGuard EZ	GW-86	Viscosifier	1.00	lb/bbl
1	Spacer	IntegraGuard EZ	R-31	Retarder	0.50	lb/bbl
1	Spacer	IntegraGuard EZ	R-7C	Retarder	2.00	lb/bbl
1	Spacer	IntegraGuard EZ	Surfactant, S-801c	Surfactant	1.00	gal/bbl
2	Spacer	No Surfs	WEIGHTING ADDITIVE, W-11	Heavyweight	242.65	lb/bbl
2	Spacer	No Surfs	GW-86	Viscosifier	1.00	lb/bbl
2	Spacer	No Surfs	R-31	Retarder	0.50	lb/bbl
2	Spacer	No Surfs	R-7C	Retarder	2.00	lb/bbl
3	Primary	Primary	CLASS G	Cement	50.00	%
3	Primary	Primary	FLY ASH (ROCKIES)	Extender	50.00	%
3	Primary	Primary	BENTONITE	Viscosifier	4.00	%BWOB
3	Primary	Primary	EC-2	BondEnhancer	3.00	%BWOB
3	Primary	Primary	FL-24	FluidLoss	0.40	%BWOB
3	Primary	Primary	FP-24	Defoamer	0.30	%BWOB
3	Primary	Primary	GW-86	Viscosifier	0.10	%BWOB
3	Primary	Primary	S-8	StrengthRetrogression	20.00	%BWOB
3	Primary	Primary	SR-20	Retarder	0.30	%BWOB
3	Primary	Primary	XCem-1008	Extender	5.00	lb/sk
4	Displacement	Retarded Water	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
4	Displacement	Retarded Water	ResCare CS-2	ClayProtection	0.08	gal/bbl
4	Displacement	Retarded Water	SR-61L	Retarder	0.10	gal/bbl
5	DisplacementFinal	Water with Chems	BIOCIDE,BIOC11139W	Biocide	0.01	gal/bbl
5	DisplacementFinal	Water with 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	1/10/2024	07:30					ACC gets called out, requested t/l 13:30
2	Depart Facility	1/10/2024	11:30					ACC departs facility
3	Arrived To Location	1/10/2024	13:30					ACC arrives to location. Rig is currently running casing
4	Rig Up	1/10/2024	14:00					ACC spots in units and rigs up equipment
5	Safety Meeting	1/10/2024	17:20					ACC had a pre-job safety meeting with rig hands and OSR. Went over job procedure
6	Pressure Test	1/10/2024	17:56				5200	Pressure test pump/lines to 5200 psi
7	Pump Spacer	1/10/2024	18:09	12	6	100	1000	Pumped 100 bbls of Spacer @ 6 bpm w/ 1000 psi
8	Pump Primary CMT	1/10/2024	18:29	13.5	8	874.74	1100	Pumped 874.74 bbls of Primary CMT (13.5 ppg 9.3 g/sk 1.90 yld 2585 sks) at 8 bpm w/ 1100 psi
9	Shut Down	1/10/2024	20:25					Shut down pumping CMT
10	Wash Pump/Lines	1/10/2024	20:31					Washed pump/lines to the open top
11	Drop Plug	1/10/2024	20:32					Dropped plug
12	Pump Disp	1/10/2024	20:36	8.34	10		1800	Start pumping disp @ 10 bpm w/ 1800 psi
13	Slow Rate	1/10/2024	20:51	8.34	9	110	2200	At 110 bbls away into disp, slowed rate to 9 bpm w/ 2200 psi
14	Slow Rate	1/10/2024	20:53	8.34	8	130	2000	At 130 bbls away into disp, slowed rate to 8 bpm w/ 2000 psi
15	Slow Rate	1/10/2024	21:18	8.34	6	280	2300	At 280 bbls away into disp, slowed rate to 6 bpm w/ 2300 psi
16	Slow Rate	1/10/2024	21:40	8.34	5	390	2700	At 390 bbls away into disp, slowed rate to 5 bpm w/ 2700 psi
17	Inter To Surface	1/10/2024	21:45	8.34	5	420	2750	At 420 bbls away into disp, inter to surface @ 5 bpm w/ 2750 psi
18	Increase Rate	1/10/2024	21:46	8.34	6	425	2800	At 425 bbls away into disp, increased rate to 6 bpm w/ 2800 psi
19	Spacer To Surface	1/10/2024	21:50	8.34	4.5	447	2700	At 447 bbls away into disp, Spacer to surface @ 4.5 bpm w/ 2700 psi
20	Land Plug	1/10/2024	21:59	8.34	4.5	487	2800	At 487 bbls away into disp, land plug @ 4.5 bpm w/ 4200 psi
21	Check Floats	1/10/2024	22:05					Checked floats, 5.5 bbls back
22	Rig Down	1/10/2024	22:30					ACC rigged down equipment
23	Depart Location	1/10/2024	23:50					ACC departed location

Pump Diagrams

