



Bayswater Exploration & Production LLC LONG STRING POST JOB REPORT

**DEHAAN #6X-HNB-16-07-65 05-123-49463
S:17 T:7N R:65W Weld CO**

CallSheet #: 85324
Proposal #: 66119



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,

Aimee Sankovich

Field Engineer I | (307) 689-0323 | aimee.sankovich@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	1824	0
Open Hole	Outer		8.5		1824	17914	5
Casing	Inner	5.5	4.778	20	0	17914	0

Equipment / People

Unit Type	Unit
Field Storage Silo	FSS-448
Field Storage Silo	FSS-461
Cement Trailer Float	CTF-566
Cement Trailer Float	CTF-622
Field Storage Silo	FSS-436
Cement Utility Float	CUF-163

Timing

Event	Date/Time
ERTS	00/11/2023 08:00
Call Out	1/11/2023 02:00
Depart Facility	1/11/2023 05:00
On Location	1/11/2023 06:30
Rig Up Iron	1/11/2023 07:00
Job Started	1/11/2023 11:20
Job Completed	1/11/2023 14:45
Rig Down Iron	1/11/2023 15:00
Depart Location	1/11/2023 17:00

General Job Information

Metrics	Value
Well Fluid Density	9.8 lb/gal
Well Fluid Type	OBM
Rig Circulation Vol	2500 bbls
Rig Circulation Time	3 hours
Calculated Displacement	397.22 bbls
Actual Displacement	397 bbls
Total Spacer to Surface	80 bbls
Total CMT to Surface	48 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	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	Upright Rig Tank	
Temperature	60 °F	50-80 °F
pH Level	7	5.5-8.5
Chlorides	0 mg/L	0-3000 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					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	13.20	1.79	9.24		1030.00	328.47	0
5	Tail	Tail	13.50	1.50	7.57		1700.00	455.29	7333
6	Retarded Water + Chems	Displacement	8.37			41.43		10.00	17448
7	Water + Chems	DisplacementFinal	8.37			41.53		387.00	0

Job Fluid Details

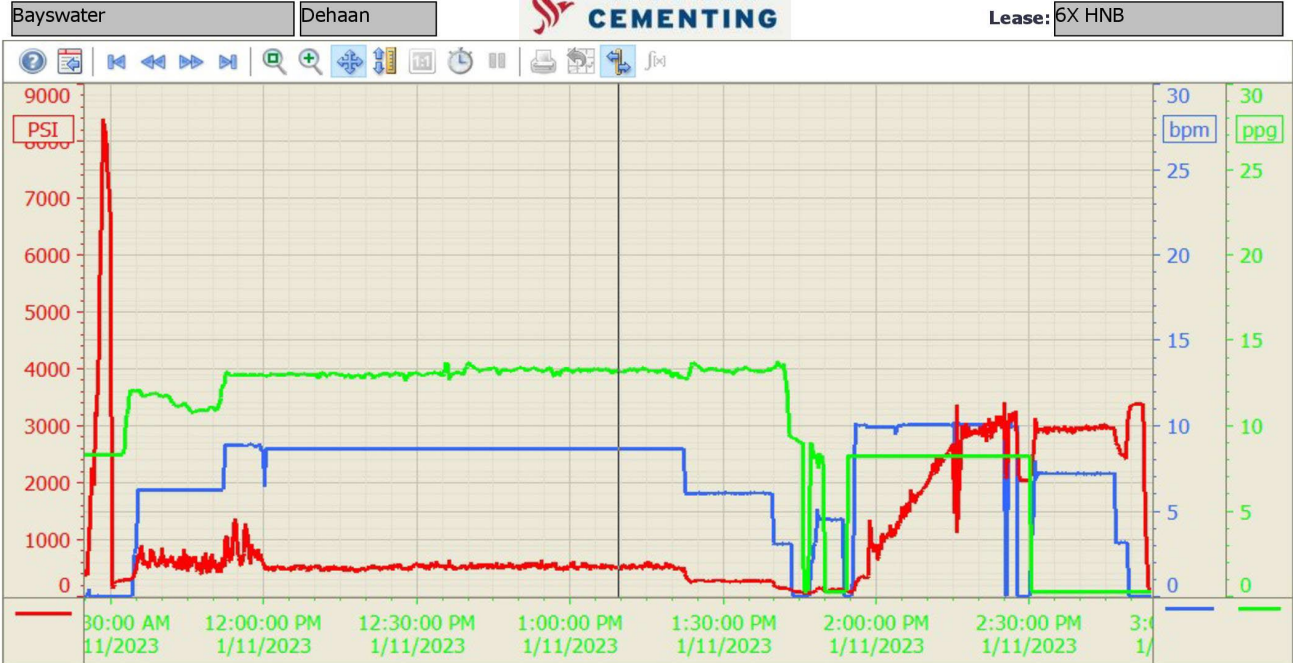
Fluid	Type	Fluid	Product	Function	Conc.	Uom
1	Spacer	EZ Spacer II	WEIGHTING ADDITIVE, W-11	Heavyweight	242.31	lb/bbl
1	Spacer	EZ Spacer II	GW-86	Viscosifier	1.20	lb/bbl
1	Spacer	EZ Spacer II	R-31	Retarder	0.50	lb/bbl
1	Spacer	EZ Spacer II	R-7C	Retarder	2.00	lb/bbl
1	Spacer	EZ Spacer II	Surfactant, S-801c	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	ASTM TYPE IL	Cement	70.00	%
4	Lead	Lead	FLY ASH (ROCKIES)	Extender	30.00	%
4	Lead	Lead	BA-90	BondEnhancer	7.00	lb/sk
4	Lead	Lead	BENTONITE	Viscosifier	2.00	%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	0.20	%BWOB
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	0.12	%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	1/11/2023	02:00					ACC gets called out, Requeste time OL was 0830 hrs
2	Depart Facility	1/11/2023	05:00					ACC departs facility Cheyenne Wy.
3	Arrive To Location	1/11/2023	06:30					Arrive to location, Rig is currently finishing running casing
4	Rig Up	1/11/2023	07:00					ACC starts spotting equipment and gets rigged up.
5	Waiting	1/11/2023	09:00					Waiting on rig to finish running casing and circ well
6	Safety Meeting	1/11/2023	11:00					ACC had a pre job safety meeting with rig hands and OSR, went over job procedure .
7	Pressure Test	1/11/2023	11:20				8000	Pressure test pumps and lines to 8000 psi
8	Pump EZ II Spacer	1/11/2023	11:25	12	6		550	Pumped EZ II spacer at 12 ppg at 6 bpm w/ 550 psi
9	Pump EZ II Spacer	1/11/2023	11:32	11.5	6	40	600	At 40 bbls away into EZ II Spacer dropped density to 11.5 ppg at 6 bpm w/ 600 psi
10	Pump EZ II Spacer	1/11/2023	11:36	11	6	60	650	At 60 bbls away into EZ II Spacer dropped density 11 ppg at 6 bpm w/ 650 psi, Pumped total of 80 bbls total.
11	Pump LEAD CMT	1/11/2023	11:39	13.2	8.5	328.36	605	Pumped 328.36 bbls of LEAD CMT (1030 sks 13.2 ppg 1.79 yld 9.2 g/sk) at 8.5 bpm w/ 605 psi
12	Pump TAIL CMT	1/11/2023	12:25	13.5	8.5	454.15	501	Pumped 454.15 bbls ot TAIL CMT (1700 sks 13.5 ppg 1.50 yld 7.6 g/sk) at 8.5 bpm w/ 501 psi
13	Shut Down	1/11/2023	13:37					Shut Down Pumping CMT
14	Wash Pump/Lines	1/11/2023	13:39					Wash Pumps/Lines to high wall
15	Drop Top Plug	1/11/2023	13:43					Drop top plug with OSR
16	Pump Disp.	1/11/2023	13:48	8.33	10		550	Start Pumping disp w/all chems at 10 bpm w/ 550 psi
17	Spacer To Surface	1/11/2023	14:20	8.33	7	270	3037	At 270 bbls away into disp shut down due to got spacer back to surface, rig swaps returns to open top , Came back on line at 7 bpm w/ 3037 psi
18	Cement To Surface	1/11/2023	14:36	8.33	7	370	3162	At 370 bbls away into disp got cement back to surface at 7 bpm w/ 3162 psi
19	Slow Rate	1/11/2023	14:36	8.33	3	380	2587	At 380 bbls away into slow rate to 3 bpm w/ 2587 psi
20	Land Plug	1/11/2023	14:40	8.33	3	398	3000	Landed plug at 398 bbls away, Final circ pressure was 3000 psi , Bumped plug to 3600 psi
21	Check Floats	1/11/2023	14:45					Check Flaots Got 4.5 bbls back
22	Rig Down	1/11/2023	15:00					ACC starts rigging down equipment and iron
23	Depart Location	1/11/2023	17:00					ACC departs location

Pump Diagrams

Summary Trend



1/11/2023 3:37:00 PM