

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 9029985		Quote #:		Sales Order #: 0906927209				
Customer: NOBLE ENERGY INC-EBUS					Customer Rep: Noble Rep					
Well Name: REVEILLE			Well #: A35-772			API/UWI #: 05-123-50796-00				
Field: WATTENBERG		City (SAP): GILL		County/Parish: WELD			State: COLORADO			
Legal Description: SW SW-35-6N-64W-260FSL-383FWL										
Contractor: H & P DRLG					Rig/Platform Name/Num: H & P 517					
Job BOM: 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX41066					Srvc Supervisor: Kyle Bath					
Job										
Job depth MD		17025ft			Job Depth TVD		6679ft			
Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing	0	9.625	8.921	36			0	1934	0	1934
Casing	0	5.5	4.892	17			0	17025	0	6679
Open Hole Section			8.5				1934	17043	1934	6679
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Float Shoe	5.5			17025		Top Plug	5.5	1	HES	
Float Collar	5.5			16982		Bottom Plug	5.5	2	HES	
						Centralizers	5.5	200	Summit	

Fluid Data										
Stage #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
1	Tuned Prime	TUNED PRIME SPACER	120	bbl	11.5	3.7			4254	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
2	ElastiCem	ELASTICEM™ SYSTEM	140	sack	13.2	1.6	7.63	8	1068	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	ElastiCem w/ SCBL	ELASTICEM™ SYSTEM	704	sack	13.2	1.67	8.03	8	5653	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	NeoCem NT1	NEOCEM™ SYSTEM	1132	sack	13.2	2.04	9.79	8	11082	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
5	Displacement	Treated Water Displacement	394	bbl	8.33					
Cement Left In Pipe										
Amount		43 ft			Reason			Shoe Joint		
Mix Water:		pH 7		Mix Water Chloride:		0 ppm		Mix Water Temperature:		65 °F
Plug Bumped?		Yes		Plug Displaced by:		8.33 lb/gal Treated Water		Floats Held?		Yes
Cement Returns:		0 bbl		Bump Pressure:		2216 psi				
Comment: 200 CENTRALIZERS @ 952' – 17022'. 50 BBLs TUNED PRIME SPACER TO SURFACE. CALCULATED TOCC 996, CALCULATED TOLC 1829, CALCULATED TOTC 6944.										

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Comb Pump Rate (bbl/min)	DH Density (ppg)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	1/21/2021	13:30:00					CREW CALLED OUT, REQUESTED ON LOCATION 1930
Event	2	Depart Yard Safety Meeting	1/21/2021	15:45:00					DEPART LOCATION SAFETY MEETING WITH ALL HES EE
Event	3	Crew Leave Yard	1/21/2021	16:00:00					DEPART YARD
Event	4	Arrive At Loc	1/21/2021	17:20:00					ARRIVE ON LOCATION, RECIEVE NUMBERS FROM CO REP TD 17043, TP 17025, SJ 42.87, CSG 5.5 17#, PREV CSG 9 5/8 36# @ 1934, HOLE 8.5, MUD 10, TVD 6679, WATER TEST, TEMP 65, PH 7, CHLORIDES 0, 200 CENTRALIZERS @ 17022-952
Event	5	Assessment Of Location Safety Meeting	1/21/2021	18:15:00					HAZARD ASSESMENT SAFETY MEETING WITH ALL HES EE
Event	6	Safety Meeting - Pre Rig-Up	1/21/2021	18:30:00					PRE RIG UP SAFETY MEETING AND COMMENCE RIG UP
Event	7	Safety Meeting - Pre Job	1/21/2021	21:00:00	0.00	0.00	-1.00	0.00	PRE JOB SAFETY MEETING WITH RIG CREW, CO REP AND HES EE
Event	8	Start Job	1/21/2021	21:30:39	0.00	0.19	-1.00	0.00	START RECORDING DATA
Event	9	Test Lines	1/21/2021	21:33:36	0.00	8.50	141.00	3.00	TEST LINES TO 4690 PSI, TEST IBOP TO 2000 PSI
Event	10	Drop Bottom Plug	1/21/2021	21:39:18	0.00	8.41	120.00	4.20	LAUNCH BOTTOM PLUG
Event	11	Pump Spacer 1	1/21/2021	21:39:21	0.00	8.41	117.00	4.20	PUMP 120 BBLs TUNED PRIME SPACER 11.5 PPG 6 BPM 350 PSI

Event	12	Drop Bottom Plug	1/21/2021	22:01:20	3.90	11.57	125.00	120.30	LAUNCH BOTTOM PLUG
Event	13	Pump Cement	1/21/2021	22:03:51	0.00	11.79	50.00	120.40	MIX AND PUMP 140 SKS 39.9 BBLs CAP CEMENT 13.2 PPG, 1.6 FT3/SK, 7.63 GAL/SK 6 BPM 450 PSI, CALCULATED TOCC 996
Event	14	Pump Lead Cement	1/21/2021	22:14:12	6.00	13.02	432.00	0.10	MIX AND PUMP 704 SKS 209.4 BBLs LEAD CEMENT 13.2 PPG, 1.67 FT3/SK 8.03 GAL/SK 8 BPM 550 PSI, CALCULATED TOLC 1829
Event	15	Check Weight	1/21/2021	22:26:10	4.50	13.41	315.00	83.60	VERIFY WEIGHT ON PRESSURIZED SCALES
Event	16	Pump Tail Cement	1/21/2021	22:46:12	7.60	13.01	622.00	222.60	MIX AND PUMP 1132 SKS 411.3 BBLs TAIL CEMENT 13.2 PPG, 2.04 FT3/SK, 9.79 GAL/SK 8 BPM 850 PSI, CALCULATED TOTC 6944
Event	17	Check Weight	1/21/2021	22:47:38	7.60	13.00	531.00	10.90	VERIFY WEIGHT ON PRESSURIZED SCALES
Event	18	Shutdown	1/21/2021	23:41:33	0.00	13.83	144.00	428.60	SHUTDOWN AND WASH PUMPS AND LINES
Event	19	Drop Top Plug	1/21/2021	23:53:53	0.00	8.37	37.00	441.40	LAUNCH TOP PLUG
Event	20	Pump Displacement	1/21/2021	23:53:56	0.00	8.36	37.00	441.40	PUMP 394 BBLs TREATED WATER DISPLACEMENT 10 BPM 2920 PSI, RECIEVED 50 BBLs TUNED SPACER TO SURFACE
Event	21	Bump Plug	1/22/2021	00:39:38	3.90	8.42	2393.00	398.00	BUMP PLUG AT 2216 PSI TOOK TO 2665 PSI
Event	22	Check Floats	1/22/2021	00:45:39	0.00	8.40	2736.00	398.40	CHECK FLOATS, FLOATS HELD TOOK 5 BBLs BACK
Event	23	End Job	1/22/2021	00:47:45	0.00	8.38	8.00	398.40	STOP RECORDING DATA
Event	24	Safety Meeting - Pre Rig-Down	1/22/2021	00:55:00					PRE RIG DOWN SAFETY MEETING WITH ALL HES EE
Event	25	Depart Location Safety Meeting	1/22/2021	01:50:00					PRE DEPARTURE SAFETY MEETING WITH ALL HES EE
Event	26	Crew Leave Location	1/22/2021	02:20:00					THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW

3.0 Attachments

3.1 Job Chart

