

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 345242		<b>Ship To #:</b> 9029981		<b>Quote #:</b>		<b>Sales Order #:</b> 0906913026				
<b>Customer:</b> NOBLE ENERGY INC-EBUS					<b>Customer Rep:</b> Charles Colver					
<b>Well Name:</b> REVEILLE			<b>Well #:</b> A34-714			<b>API/UWI #:</b> 05-123-50800-00				
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> GILL		<b>County/Parish:</b> WELD			<b>State:</b> COLORADO			
<b>Legal Description:</b> SW SW-35-6N-64W-260FSL-338FWL										
<b>Contractor:</b> H & P DRLG					<b>Rig/Platform Name/Num:</b> H & P 517					
<b>Job BOM:</b> 7523										
<b>Well Type:</b> HORIZONTAL OIL										
<b>Sales Person:</b> HALAMERICA\HX41066					<b>Srvc Supervisor:</b> Kyle Bath					
<b>Job</b>										
<b>Job depth MD</b>		16988ft			<b>Job Depth TVD</b>		6714ft			
<b>Well Data</b>										
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	16988	0	6714
Open Hole Section			8.5				1934	17015	1935	6714
<b>Tools and Accessories</b>										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Float Shoe	5.5	1	HES	16988		Top Plug	5.5	1	HES	
Float Collar	5.5	1	HES	16938		Bottom Plug	5.5	2	HES	

Fluid Data										
<b>Stage #: 1</b>										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
1	Tuned Prime	TUNED PRIME SPACER	0	bbl	11.5	3.7			4254	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /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 <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
3	ElastiCem w/ SCBL	ELASTICEM™ SYSTEM	705	sack	13.2	1.67	8.03	8	5661	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
4	NeoCem	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 <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal	
5	Displacement	Treated Water Displacement	0	bbl	8.33					
<b>Cement Left In Pipe</b>										
<b>Amount</b>		50ft			<b>Reason</b>			Shoe Joint		
<b>Mix Water:</b>		pH 7		<b>Mix Water Chloride:</b>		0 ppm		<b>Mix Water Temperature:</b>		65 °F
<b>Plug Bumped?</b>		Yes		<b>Plug Displaced by:</b>		8.33 lb/gal Treated Water		<b>Floats Held?</b>		Yes
<b>Cement Returns:</b>		0 bbl		<b>Bump Pressure:</b>		2451 psi				
<b>Comment:</b> RECEIVED 70 BBLS TUNED PRIME SPACER TO SURFACE. CALCULATED TOCAP 959, CALCULATED TOLC 1792, CALCULATED TOTC 6907.										

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq No.	Activity	Date	Time	Comb Pump Rate <i>(bbl/min)</i>	DH Density <i>(ppg)</i>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	1/13/2021	23:00:00					CREW CALLED OUT, REQUESTED ON LOCATION 0500
Event	2	Depart Yard Safety Meeting	1/14/2021	02:45:00					DEPART LOCATION SAFETY MEETING WITH ALL HES EE
Event	3	Crew Leave Yard	1/14/2021	03:00:00					DEPART YARD
Event	4	Arrive At Loc	1/14/2021	04:00:00					ARRIVE ON LOCATION, RECIEVE NUMBERS FROM CO REP TD 17015, TP 16988.1, SJ 49.57, CSG 5.5 17#, PREV CSG 9 5/8 36# @ 1934 , HOLE 8.5, MUD 9.8, TVD 6714, WATER TEST, TEMP 65, PH 7, CHLORIDES 0
Event	5	Assessment Of Location Safety Meeting	1/14/2021	04:15:00					HAZARD ASSESMENT SAFETY MEETING WITH ALL HES EE
Event	6	Safety Meeting - Pre Rig-Up	1/14/2021	04:30:00					PRE RIG UP SAFETY MEETING AND COMMENCE RIG UP
Event	7	Safety Meeting - Pre Job	1/14/2021	08:00:00	0.00	0.00	-6.00	0.00	PRE JOB SAFETY MEETING WITH RIG CREW, CO REP AND HES EE
Event	8	Start Job	1/14/2021	08:46:15	0.00	8.44	-26.00	20.20	START RECORDING DATA
Event	9	Drop Bottom Plug	1/14/2021	08:46:44	0.00	0.49	-27.00	0.00	LAUNCH BOTTOM PLUG, CO REP WITNESSED
Event	10	Test Lines	1/14/2021	08:49:14	0.00	8.51	151.00	3.40	TEST LINES TO 4526 PSI

Event	11	Pump Spacer 1	1/14/2021	08:55:58	0.00	8.47	15.00	0.00	PUMP 120 BBLS TUNED PRIME SPACER 11.5 PPG 5 BPM 600 PSI
Event	12	Drop Bottom Plug	1/14/2021	09:21:00	0.00	11.81	29.00	127.40	LAUNCH BOTTOM PLUG, CO REP WITNESSED
Event	13	Pump Cement	1/14/2021	09:23:29	0.00	11.80	5.00	127.40	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 TOCAP 959
Event	14	Pump Lead Cement	1/14/2021	09:24:05	1.70	11.79	11.00	0.00	MIX AND PUMP 705 SKS 209.7 BBLS LEAD CEMENT 13.2 PPG, 1.67 FT3/SK, 8.03 GAL/SK 8 BPM 650 PSI, CALCULATED TOLC 1792
Event	15	Check Weight	1/14/2021	09:50:39	8.50	13.22	684.00	149.30	
Event	16	Check Weight	1/14/2021	09:54:56	8.50	13.25	668.00	185.50	
Event	17	Pump Tail Cement	1/14/2021	10:00:24	8.50	13.19	664.00	231.90	MIX AND PUMP 1132 SKS 411.3 BBLS TAIL CEMENT 13.2 PPG, 2.04 FT3/SK, 9.79 GAL/SK 8.5 BPM 1000 PSI, CALCULATED TOTC 6907
Event	18	Check Weight	1/14/2021	10:04:48	8.50	13.20	897.00	37.10	
Event	19	Check Weight	1/14/2021	10:24:33	8.50	13.23	932.00	204.50	
Event	20	Shutdown	1/14/2021	10:52:10	6.30	13.23	550.00	430.70	SHUTDOWN, WASH PUMPS AND LINES TO PIT
Event	21	Shutdown	1/14/2021	10:54:12	0.00	13.20	4.00	431.80	
Event	22	Drop Top Plug	1/14/2021	11:00:31	0.00	8.32	-41.00	446.70	LAUNCH TOP PLUG, CO REP WITNESSED
Event	23	Pump Displacement	1/14/2021	11:00:35	0.00	8.32	-41.00	446.70	PUMP 393 BBLS PRODUCED WATER DISPLACEMENT 10 BPM, 2800 PSI, FIRST 20 BBLS WITH MMCR, RECIEVED 70 BBLS TUNED SPACER TO SURFACE
Event	24	Bump Plug	1/14/2021	11:51:35	0.00	-0.14	2878.00	398.80	BUMP PLUG AT 2451 PSI TOOK TO 2990 PSI
Event	25	Check Floats	1/14/2021	11:56:49	0.00	-0.14	2321.00	398.80	CHECK FLOATS, FLOATS HELD TOOK 5.5 BBLS BACK
Event	26	End Job	1/14/2021	11:59:00	0.00	-0.14	-49.00	398.80	STOP RECORDING DATA

Event	27	Safety Meeting - Pre Rig-Down	1/14/2021	12:05:00	PRE RIG DOWN SAFETY MEETING WITH ALL HES EE
Event	28	Depart Location Safety Meeting	1/14/2021	13:00:00	PRE DEPARTURE SAFETY MEETING WITH ALL HES EE
Event	29	Crew Leave Location	1/14/2021	13:15:00	THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW

3.0 Attachments

3.1 Job Chart

