

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300466		<b>Ship To #:</b> 3898961		<b>Quote #:</b> 0022542499		<b>Sales Order #:</b> 0905456931				
<b>Customer:</b> ANADARKO PETROLEUM CORP-EBUS				<b>Customer Rep:</b> Joe Wallen						
<b>Well Name:</b> BAJA BERG			<b>Well #:</b> 35-8HZ		<b>API/UWI #:</b> 05-123-47585-00					
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> IONE		<b>County/Parish:</b> WELD		<b>State:</b> COLORADO				
<b>Legal Description:</b> SE SW-35-2N-67W-1102FSL-2450FWL										
<b>Contractor:</b> PRECISION DRLG				<b>Rig/Platform Name/Num:</b> PRECISION 461						
<b>Job BOM:</b> 7522 7522										
<b>Well Type:</b> HORIZONTAL GAS										
<b>Sales Person:</b> HALAMERICA\HX41066				<b>Srv Supervisor:</b> Kendall Broom - H194727						
<b>Job</b>										
<b>Formation Name</b>										
<b>Formation Depth (MD)</b>		<b>Top</b>				<b>Bottom</b>				
<b>Form Type</b>						<b>BHST</b>				
<b>Job depth MD</b>		6610ft				<b>Job Depth TVD</b>				
<b>Water Depth</b>						<b>Wk Ht Above Floor</b>				
<b>Perforation Depth (MD)</b>		<b>From</b>				<b>To</b>				
<b>Well Data</b>										
<b>Description</b>	<b>New / Used</b>	<b>Size in</b>	<b>ID in</b>	<b>Weight lbm/ft</b>	<b>Thread</b>	<b>Grade</b>	<b>Top MD ft</b>	<b>Bottom MD ft</b>	<b>Top TVD ft</b>	<b>Bottom TVD ft</b>
Casing		9.625	8.921	36		J-55	0	1889	0	1889
Casing		7	6.276	26	LTC	HCP110	0	6600	0	6487
Open Hole Section			8.5				1889	6610	1889	6497
<b>Tools and Accessories</b>										
<b>Type</b>	<b>Size in</b>	<b>Qty</b>	<b>Make</b>	<b>Depth ft</b>		<b>Type</b>	<b>Size in</b>	<b>Qty</b>	<b>Make</b>	
Guide Shoe	7					Top Plug	7		HES	
Float Shoe	7			6600		Bottom Plug	7		HES	
Float Collar	7					SSR plug set	7		HES	
Insert Float	7					Plug Container	7		HES	
Stage Tool	7					Centralizers	7		HES	
<b>Fluid Data</b>										
<b>Stage/Plug #: 1</b>										
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft3/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/min</b>	<b>Total Mix Fluid Gal</b>	
1	Tuned Spacer III	Tuned Spacer III	40	bbl	10.5	6.18				
0.75 gal/bbl		<b>DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)</b>								
0.25 gal/bbl		<b>D-AIR 3000L, 5 GAL PAIL (101007444)</b>								
89.91 lbm/bbl		<b>BARITE, BULK (100003681)</b>								

0.75 gal/bbl		<b>MUSOL(R) A, 5 GAL PAIL (100064220)</b>							
37.58 gal/bbl		<b>FRESH WATER</b>							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	Gasstop B1	GASSTOP (TM) SYSTEM	360	sack	13.2	1.55		6	
5.02 Gal		<b>FRESH WATER</b>							
0.10 Gal		<b>D-AIR 3000L, TOTETANK (101396181)</b>							
0.20 %		<b>HR-5, 50 LB SK (100005050)</b>							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement Fluid	Displacement Fluid	251	bbl	9.5				
Cement Left In Pipe		Amount	45 ft			Reason		Shoe Joint	
Mix Water:		pH 7	Mix Water Chloride: 0 ppm			Mix Water Temperature:		70 °F °C	
Plug Bumped?		Yes				Floats Held?		Yes	
Cement Returns:		0							
Comment									

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comments
Event	1	Call Out	Call Out	1/31/2019	05:00:00	USER	Called out the crew to be on location by 1030
Event	2	Depart Shop for Location	Depart shop forLocation	1/31/2019	09:00:00	USER	Held a safety huddle before leaving for location
Event	3	Arrive At Loc	Arrive At Loc	1/31/2019	09:30:00	USER	Held a Hazard Hunt before spotting in the trucks
Event	4	Rig-up Lines	Rig-up Lines	1/31/2019	10:00:00	USER	Held a safety meeting before rigging up lines
Event	5	Safety Meeting	Safety Meeting	1/31/2019	17:00:00	USER	Held a safety meeting with the rig crew to discuss the operation and safety.
Event	6	Start Job	Start Job	1/31/2019	17:45:43	COM5	
Event	7	Test Lines	Test Lines	1/31/2019	18:00:31	COM5	
Event	8	Pump Spacer 1	Pump Spacer 1	1/31/2019	18:04:52	COM5	
Event	9	Drop Bottom Plug	Drop Bottom Plug	1/31/2019	18:18:00	USER	Dropped bottom plug preloaded and witnessed by the company man
Event	10	Pump Lead Cement	Pump Lead Cement	1/31/2019	18:20:12	COM5	Pumped 99.37 bbls Gasstop. 360 sks, 13.2#, 1.55 yield, 7.62 Gal/sks. Calculated TOC 2278. Pumped at 5.5 bpm and 350 psi.
Event	11	Drop Top Plug	Drop Top Plug	1/31/2019	18:45:00	USER	Dropped top plug preloaded and witnessed by the company man. Washed up the cement head and pumped 5 bbls on top of the plug.

Event	12	Pump Displacement	Pump Displacement	1/31/2019	18:50:00	USER	Turned well over to the rig for displacement. Bumped the plug at 1725 final lift and kicked out at 2268 psi. Rig pressured up to 3000 psi for a 15 min casing test. Released the pressure and got 1.5 bbls back. Floats held.
Event	13	End Job	End Job	1/31/2019	19:45:00	USER	
Event	14	Rig Down Lines	Rig Down Lines	1/31/2019	19:50:00	USER	Held a safety meeting before rigging down the lines
Event	15	Depart Location	Depart Location	1/31/2019	21:30:00	USER	Held a safety huddle before leaving location

## 3.0 Attachments

### 3.1 Job Chart

