

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 300466		<b>Ship To #:</b> 3855672		<b>Quote #:</b> 0022459373		<b>Sales Order #:</b> 0904954564				
<b>Customer:</b> ANADARKO PETROLEUM CORP-EBUS				<b>Customer Rep:</b> Albert Bryan						
<b>Well Name:</b> GEORGE			<b>Well #:</b> 25-5HZ		<b>API/UWI #:</b> 05-123-46330-00					
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> HUDSON		<b>County/Parish:</b> WELD		<b>State:</b> COLORADO				
<b>Legal Description:</b> SW NE-25-2N-65W-2311FNL-2050FEL										
<b>Contractor:</b> XTREME DRLG				<b>Rig/Platform Name/Num:</b> XTREME 22						
<b>Job BOM:</b> 7523 7523										
<b>Well Type:</b> HORIZONTAL GAS										
<b>Sales Person:</b> HALAMERICA\HX41066				<b>Srv Supervisor:</b> Kamereon White						
<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>		15807 ft				<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	1890	0	0
Casing		5.5	4.892	17	LTC	HCP110	0	15797	0	0
Open Hole Section			7.875				1890	15807	0	0
<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	5.5					Top Plug	5.5	1	WTHR	
Float Shoe	5.5			15796.90		Bottom Plug	5.5	1	WTHR	
Float Collar	5.5			15787.32		SSR plug set	5.5		HES	
Insert Float	5.5					Plug Container	5.5		HES	
Stage Tool	5.5					Centralizers	5.5		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	80	bbl	10.5	6.96	44.4	4		
0.70 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>								
79.92 lbm/bbl		<b>BARITE, BULK (100003681)</b>								

0.70 gal/bbl		MUSOL(R) A, 5 GAL PAIL (100064220)								
37.58 gal/bbl		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Gasstop B1	GASSTOP (TM) SYSTEM	630	sack	13.2	1.59	7.83	5		
0.10 Gal		D-AIR 3000L, TOTETANK (101396181)								
0.05 %		FE-2 (100001615)								
0.60 %		SCR-100 (100003749)								
5.23 Gal		FRESH WATER								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
3	EconoCem	ECONOCER (TM) SYSTEM	840	sack	13.5	1.68	7.98	8		
0.10 %		SA-1015, 50 LB SACK (102077046)								
7.98 Gal		FRESH WATER								
0.40 %		HR-5, 50 LB SK (100005050)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
4	Biocide Water and MMCR	Biocide Water and MMCR	20	bbl	8.33			10		
0.50 gal/bbl		MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
5	Biocide Water	Biocide Water	346	bbl	8.33					
Cement Left In Pipe		Amount	10 ft		Reason			Shoe Joint		
Mix Water:		7	Mix Water Chloride:			< 300 ppm		Mix Water Temperature:		78 °F
Cement Temperature:			Plug Displaced by:			8.33 lb/gal		Disp. Temperature:		
Plug Bumped?		Yes	Bump Pressure:			2420		Floats Held?		Yes
Cement Returns:			Returns Density:			9.5 ppg		Returns Temperature:		
Comment Estimated TOC 2500'										

## 2.0 Real-Time Job Summary

### 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	2	Test Lines	Test Lines	6/23/2018	05:23:43	RTD Import	276.32	8.37	0.00	3.53	Test Lines to 500 psi.
Event	13	Test Lines	Test Lines	6/23/2018	05:30:43	RTD Import	5.22	8.33	0.00	3.65	Test Lines to 4500 psi and held for 2 min lost 30 psi.
Event	25	Pump Spacer 1	Pump Spacer 1*	6/23/2018	05:46:52	RTD Import	21.28	8.32	0.00	4.48	Pumped 80 bbls of spacer @ 10.5 ppg, 6.96 yield, 44.4 gal/sk (64.54 sks )
Event	46	Pump Lead Cement	Pump Lead Cement*	6/23/2018	06:03:55	RTD Import	221.53	10.30	1.01	85.72	Pumped 178 bbls of Latex Lead Cement @ 13.2 ppg 1.59 yield, 7.83 Gal/sk (630 sks ).
Event	62	Comment	Mud Cup Sample Pulled	6/23/2018	06:17:04	RTD Import	493.58	13.23	4.77	39.34	Mud Cup Sample Pulled
Event	66	Comment	Mud Cup Sample Pulled	6/23/2018	06:19:15	RTD Import	601.26	13.21	6.08	51.18	Mud Cup Sample Pulled
Event	91	Comment	Mud Cup Sample Pulled	6/28/2018	06:28:48	RTD Import	204.53	13.23	4.14	91.80	Mud Cup Sample Pulled
Event	101	Comment	Mud Cup Sample Pulled	6/28/2018	06:31:41	RTD Import	273.48	13.85	4.13	103.72	Mud Cup Sample Pulled
Event	105	Comment	Mud Cup Sample Pulled	6/28/2018	06:34:27	RTD Import	146.91	13.26	2.98	112.86	Mud Cup Sample Pulled
Event	119	Pump Tail Cement	Pump Tail Cement*	6/28/2018	06:50:59	RTD Import	180.91	13.48	4.02	184.97	Pumped 251 bbls of Tail Cement @ 13.5 ppg, 1.68 yield, 7.98 gal/sk (840 sks).
Event	120	Comment	Mud Cup Sample Pulled	6/28/2018	07:01:28	RTD Import	638.10	13.53	8.02	83.11	Mud Cup Sample Pulled

Event	122	Comment	Mud Cup Sample Pulled	6/28/2018	07:03:41	RTD Import	537.97	13.54	8.02	100.90	Mud Cup Sample Pulled
Event	129	Comment	Mud Cup Sample Pulled	6/28/2018	07:09:13	RTD Import	436.90	13.59	6.21	142.35	Mud Cup Sample Pulled
Event	143	Shutdown	Shutdown	6/28/2018	07:28:58	RTD Import	28.83	13.54	0.89	267.36	Shutdown to wash pumps and lines.
Event	150	Drop Top Plug	Drop Top Plug	6/28/2018	07:38:36	RTD Import	6.16	-0.29	0.00	281.50	Drop Top Plug.co man witnessed.
Event	151	Pump Displacement	Pump Displacement*	6/28/2018	07:38:38	RTD Import	6.16	-0.29	0.00	281.50	Pumped calculated Displacement, 366 bbls.
Event	155	Displ Reached Cement	Displ Reached Cement	6/28/2018	07:43:51	RTD Import	802.46	8.03	9.89	44.13	Displ Reached Cement Caught the plug @ 40 bbls pumped maintained 10 bpm as per co. Man.
Event	159	Bump Plug	Bump Plug	6/28/2018	08:35:13	RTD Import	2997.71	8.38	0.00	384.10	Bumped the Plug@ 2420 psi and held for 15 min for a casing test.
Event	163	Other	Other	6/28/2018	08:49:49	RTD Import	3225.36	8.39	0.00	384.10	Psi up to rupture the disk the disk ruptured @ 4830 psi.
Event	164	Other	Other	6/28/2018	08:51:44	RTD Import	14.66	8.49	0.00	384.10	Pump a 3 bbl wet shoe as per customer requests, Floats held got 4 bbls back after checking the floats

## 2.2 Job Chart

### Custom Results

