

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3855580		Quote #: 0022462939		Sales Order #: 0904982451				
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: Traves Laurance						
Well Name: GEORGE			Well #: 25-2HZ		API/UWI #: 05-123-46334-00					
Field: WATTENBERG		City (SAP): HUDSON		County/Parish: WELD		State: COLORADO				
Legal Description: SW NE-25-2N-65W-2268FNL-2063FEL										
Contractor: XTREME DRLG				Rig/Platform Name/Num: XTREME 22						
Job BOM: 7523 7523										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA\HX41066				Srv Supervisor: Kendall Broom - H194727						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type					BHST					
Job depth MD		17920ft			Job Depth TVD					
Water Depth					Wk Ht Above Floor					
Perforation Depth (MD)		From		To						
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		9.625	8.921	36		J-55	0	1883	0	1881
Casing		5.5	4.892	17	LTC	HCP110	0	17910	0	
Open Hole Section			7.875				1881	17920	1881	7037
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5					Top Plug	5.5		HES	
Float Shoe	5.5			17910		Bottom Plug	5.5		HES	
Float Collar	5.5					SSR plug set	5.5		HES	
Insert Float	5.5					Plug Container	5.5		HES	
Stage Tool	5.5					Centralizers	5.5		HES	
Fluid Data										
Stage/Plug #: 1										
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	
1	Tuned Spacer III	Tuned Spacer III	80	bbl	10.5	6.96				
0.70 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								
0.3750 gal/bbl		D-AIR 3000L, 5 GAL PAIL (101007444)								
79.92 lbm/bbl		BARITE, BULK (100003681)								

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		6	7.83
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	1070	sack	13.5	1.68		6	7.98
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	8.34				
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	396	bbl	8.34				
Cement Left In Pipe	Amount	5 ft			Reason			Shoe Joint	
Mix Water:	pH7	Mix Water Chloride:	0 ppm			Mix Water Temperature:	85		
Plug Bumped?	Yes					Floats Held?	Yes		
Comment Pumped lead cement Latex Displaced biocide water,Bumped plug, Hydrostatic burst shoe, Pumped 5 bbl wet shoe. Checked floats got 3 bbls back and floats held. Estimated TOC 2500'									

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	7/11/2018	04:00:00	USER	Called crew out to be on location at 1000
Event	2	Depart Shop for Location	Depart Shop for Location	7/11/2018	08:00:00	USER	Held a safety meeting before leaving for location
Event	3	Arrive At Loc	Arrive At Loc	7/11/2018	09:00:00	USER	Arrive at location and met with the company man
Event	4	Rig-up Lines	Rig-up Lines	7/11/2018	09:30:00	USER	Held a hazard hunt before spotting in trucks and rigging up
Event	5	Safety Meeting	Safety Meeting	7/11/2018	12:00:00	USER	Held a safety meeting with the rig to discuss the operation and safety
Event	6	Start Job	Start Job	7/11/2018	12:53:49	COM5	Filled lines with 3 bbls water
Event	7	Pump Spacer 1	Pump Spacer 1	7/11/2018	13:11:07	COM5	Pumped 80 bbls Tuned Spacer. 10.5#, 9.96 yield, 44.4 gal/sks. Pumed at 6 bpm and 180 psi. Dual Spacer and Musol added in the fly
Event	8	Drop Bottom Plug	Drop Bottom Plug	7/11/2018	13:28:40	COM5	Dropped bottom plug and preloaded and witnessed by the company man
Event	9	Pump Lead Cement	Pump Lead Cement	7/11/2018	13:28:44	COM5	Pumped 178 bbls Gasstop. 630 sks, 13.2#, 1.59 yield, 7.83 gal/sks. Pumped at 8 bpm and 916 psi. Latex added in the mix water.
Event	10	Check Weight	Check Weight	7/11/2018	13:47:18	COM5	Verified weight with the pressurized scale
Event	11	Pump Tail Cement	Pump Tail Cement	7/11/2018	13:50:22	COM5	Pumped 320 bbls Econocem. 1070 sks, 13.5#, 1.68 yield, 7.98 gal/sks. Pumped at 8 bpm and 658 psi. Slowed down due to delivery
Event	12	Shutdown	Shutdown	7/11/2018	14:34:35	COM5	Shut down and blew down the lines with rig air.

Event	13	Clean Lines	Clean Lines	7/11/2018	14:37:33	COM5	Washed up cement head and lines
Event	14	Drop Top Plug	Drop Top Plug	7/11/2018	14:37:42	COM5	Dropped top plug preloaded and witnessed by the company man
Event	15	Pump Displacement	Pump Displacement	7/11/2018	14:46:03	COM5	Pumped 416 bbls displacement. First 20 bbls had MMCR and biocide through the balance
Event	16	Bump Plug	Bump Plug	7/11/2018	15:34:09	COM5	Bumped plug 2600 final lift and kick out at 3000. Hydrostatic burst shoe
Event	17	Other	Other	7/11/2018	15:34:17	COM5	Pumped 5 bbls wet shoe checked floats. Got 3 bbls back on the truck
Event	18	End Job	End Job	7/11/2018	15:43:12	COM5	
Event	19	Rig Down Lines	Rig Down Lines	7/11/2018	16:00:00	USER	Held a safety meeting before rigging down lines
Event	20	Depart Location	Depart Location	7/11/2018	17:00:00	USER	

3.0 Attachments

3.1 Job Chart

