

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3712346	Quote #: 0022284346	Sales Order #: 0903910533
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: James	
Well Name: PUMA FED		Well #: 34C-35HZ	API/UWI #: 05-123-42570-00
Field: WATTENBERG	City (SAP): IONE	County/Parish: WELD	State: COLORADO
Legal Description: SW SW-23-1N-67W-290FSL-631FWL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS X22	
Job BOM: 7523			
Well Type: HORIZONTAL GAS			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor: Jefferson Bone	

Job

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	2242	0	2242
Casing		5.5	4.892	17	LTC	HCP110	0	17748	0	7757
Open Hole Section			8.5				2242	17797	2242	7757

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make

Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	10.5 lb/gal Tuned Spacer III	Tuned Spacer III	98	bbl	10.5	5.7				
	35.60 gal/bbl	FRESH WATER								
	0.50 gal/bbl	DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								
	120.20 lbm/bbl	BARITE, BULK (100003681)								
	0.50 gal/bbl	MUSOL A, 330 GAL TOTE - (790828)								
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	ElastiCem - Cap Cement	ELASTICEM (TM) SYSTEM	150	sack	13.2	1.573		6	7.52	
	7.52 Gal	FRESH WATER								
	0.90 %	SCR-100 (100003749)								

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	ElastiCem	ELASTICEM (TM) SYSTEM	625	sack	13.2	1.605		6	7.69	
0.50 %		SCR-100 (100003749)								
7.69 Gal		FRESH WATER								
0.10 %		SUPER CBL, 50 LB PAIL (100003668)								
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	EconoCem	ECONOCEM (TM) SYSTEM	1690	sack	13.5	1.68		6	7.99	
7.99 Gal		FRESH WATER								
0.35 %		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	
5	Biocide Water and MMCR	Biocide Water and MMCR	20	bbbl	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	
6	Biocide Water	Biocide Water	391	bbbl	8.34					
Cement Left In Pipe		Amount	45ft		Reason			Shoe Joint		
Plug Bumped?		Yes	Bump Pressure:		2400 psi		Floats Held?		Yes	
Comment No Cement to Surface. Got 70 BBLs of Spacer back to Surface.										

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	3/22/2017	05:00:00	USER	Call Out
Event	2	Arrive at Location from Service Center	Arrive at Location from Service Center	3/22/2017	10:00:00	USER	Arrive At Location. Held Safety Meeting prior to rigging up or Spotting equipment.
Event	3	Start Job	Start Job	3/22/2017	15:39:45	COM4	Start Job
Event	4	Test Lines	Test Lines	3/22/2017	15:44:06	COM4	Pressure Test lines to 4000 PSI
Event	5	Pump Spacer 1	Pump Spacer 1	3/22/2017	15:55:43	COM4	Pumped 98 BBLs of Tuned Spacer at 10.5ppg
Event	6	Drop Bottom Plug	Drop Bottom Plug	3/22/2017	16:25:00	USER	Drop Bottom Plug
Event	7	Pump Lead Cement	Pump Lead Cement	3/22/2017	16:32:37	COM4	Pumed 150sks (42 BBLs) of 13.2ppg 1.57y 7.52w of Elasticem Cement
Event	8	Pump Lead Cement	Pump Lead Cement	3/22/2017	16:43:39	COM4	Pumped 625sks (179 BBLs) of 13.2ppg 1.61y 7.69w Elasticem Cement
Event	9	Pump Tail Cement	Pump Tail Cement	3/22/2017	17:14:09	COM4	Pumped 1690sks(506 BBLs) of 13.5ppg 1.68y 7.99w of Econocem Cement.
Event	10	Clean Lines	Clean Lines	3/23/2017	18:39:44	COM4	Clean Lines
Event	11	Pump Displacement	Pump Displacement	3/23/2017	18:52:02	COM4	Pumped 411 BBLs of h20 displacement with MMCR in the first 20 BBLs. And BIOCIDe throughout.
Event	12	Bump Plug	Bump Plug	3/23/2017	20:22:42	COM4	Bumped plug at 2400psi. Pressured up to 3000psi

Event	13	Pressure Up	Pressure Test Casing	3/23/2017	20:22:45	USER	Held 3000 PSI on the Casing for 15 mins.
<hr/>							
Event	14	Check Floats	Check Floats	3/23/2017	20:37:49	COM4	Check Floats. 5 bbls back.
<hr/>							
Event	15	End Job	End Job	3/23/2017	20:41:06	COM4	End job
<hr/>							
Event	16	Depart Location	Depart Location	3/23/2017	22:00:00	USER	Depart location. Held Safety Meeting Prior to rigging down.
<hr/>							

2.2 Custom Graph

