

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3847981		Quote #: 0022424915		Sales Order #: 0904750651				
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: Carlton Cooley						
Well Name: AZUL			Well #: 13-28HZ		API/UWI #: 05-123-46109-00					
Field: WATTENBERG		City (SAP): HUDSON		County/Parish: WELD		State: COLORADO				
Legal Description: SE SW-13-1N-66W-820FSL-2447FWL										
Contractor: PRECISION DRLG				Rig/Platform Name/Num: PRECISION 464						
Job BOM: 7523 7523										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA\HX41066				Srv Supervisor: Nicholas Roles						
Job										
Formation Name										
Formation Depth (MD)		Top				Bottom				
Form Type						BHST				
Job depth MD		12848ft				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	1875	0	1875
Casing		5.5	4.892	17	LTC	HCP110	0	12848	0	7500
Open Hole Section			7.875				1875	12857	1875	7500
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5			12848		Top Plug	5.5		HES	
Float Shoe	5.5					Bottom Plug	5.5		HES	
Float Collar	5.5					SSR plug set	5.5		HES	
Insert Float	5.5					Plug Container	5.5	1	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	6.43		5		
37.58 gal/bbl		FRESH WATER								
0.70 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								
0.25 gal/bbl		D-AIR 3000L, 5 GAL PAIL (101007444)								

0.70 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)							
86.45 lbm/bbl		BARITE, BULK (100003681)							
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	400	sack	13.2	1.59		6	7.69
0.10 %		FE-2 (100001615)							
0.40 %		SCR-100 (100003749)							
5.09 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	ECONOCEM (TM) SYSTEM	750	sack	13.5	1.68		8	7.99
0.20 %		SA-1015, 50 LB SACK (102077046)							
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
4	Biocide Water and MMCR	Biocide Water and MMCR	20	bbl	8.34			8	
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	278	bbl	8.34				
Cement Left In Pipe		Amount	0 ft		Reason			Wet Shoe	
Comment Got 0bbls spacer back to pits. Estimated TOT-5582', TOL-1925', TOS-236'									

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	3/31/2018	10:00:00	USER	Called out by Service Coordinator for O/L at 1630
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	3/31/2018	11:45:00	USER	All HSE present and fit to drive. Aware of directions and hazards.
Event	3	Depart Yard Safety Meeting	Depart Yard Safety Meeting	3/31/2018	15:00:00	USER	Held meeting with all personnel in convoy to discuss directions and hazards associated with drive, all fit to drive.
Event	4	Depart from Service Center or Other Site	Depart from Service Center or Other Site	3/31/2018	15:15:00	USER	Journey Management prior to departure
Event	5	Arrive at Location from Service Center	Arrive at Location from Service Center	3/31/2018	15:30:00	USER	Upon arrival met with company man to discuss job details and calculations, performed hazard hunt and site assessment.
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	3/31/2018	15:45:00	USER	Discussed rigging up hazards and procedure according to HMS.
Event	7	Other	Other	3/31/2018	16:15:00	USER	Water test- PH-6, Chlor-0, Temp-85.
Event	8	Safety Meeting - Pre Job	Safety Meeting - Pre Job	3/31/2018	19:00:00	USER	Held safety meeting with all job associated personnel to discuss job procedure, hazards and stop work authority.
Event	9	Check Weight	Check Weight	3/31/2018	19:30:39	COM4	Weight verified with pressurized mud scales.
Event	10	Start Job	Start Job	3/31/2018	19:33:28	COM4	TD-12857', TP-12848' 5.5" 17#, WS Baffl-12837', TVD-7500', OH-7.875", SURF-1875' 9.625" 36#, MUD-9.0#
Event	11	Test Lines	Test Lines	3/31/2018	19:35:42	COM4	Pumped 5bbls fresh water to fill lines, shutdown, closed manifold, performed 500psi k/o function test, continued with 5th gear stall at 1520psi, proceeded to bring pressure to 5500psi. Pressure stabilized and

							held with no leaks.
Event	12	Pump Spacer 1	Pump Spacer 1	3/31/2018	19:41:14	COM4	Pumped 80bbls of 10.5# 6.25Y 40.2g/s Tuned Spacer III with 55g Musol A, 55g Dual Spacer B, 5g D-Air at 5bpm 450psi.
Event	13	Drop Bottom Plug	Drop Bottom Plug	3/31/2018	20:05:10	COM4	Dropped by HES supervisor, witnessed by company man.
Event	14	Pump Lead Cement	Pump Lead Cement	3/31/2018	20:06:22	COM4	Pumped 400sks or 113bbls of 13.2# 1.59y 7.69g/s Gasstop with 1000g of Latex and 50g of D-air at 6bpm 560psi.
Event	15	Check Weight	Check Weight	3/31/2018	20:08:11	COM4	Weight verified with pressurized mud scales.
Event	16	Check Weight	Check Weight	3/31/2018	20:21:54	COM4	Weight verified with pressurized mud scales.
Event	17	Pump Tail Cement	Pump Tail Cement	3/31/2018	20:27:22	COM4	Pumped 750sks or 224.5bbls of 13.5# 1.68Y 7.9G/S Econocem at 8bpm 505psi.
Event	18	Check Weight	Check Weight	3/31/2018	20:34:45	COM4	Weight verified with pressurized mud scales.
Event	19	Shutdown	Shutdown	3/31/2018	21:00:31	COM4	Shutdown, rig blew down iron with air, followed with 5bbls fresh water through pumps and lines.
Event	20	Clean Lines	Clean Lines	3/31/2018	21:00:35	COM4	
Event	21	Drop Top Plug	Drop Top Plug	3/31/2018	21:10:01	COM4	Dropped by HES supervisor, witnessed by company man.
Event	22	Pump Displacement	Pump Displacement	3/31/2018	21:10:07	COM4	Pumped 298bbls fresh water with 10g MMCR in first 20bbls, followed with 5g biocide throughout at 8bpm.

Event	23	Bump Plug	Bump Plug	3/31/2018	22:01:28	COM4	Slowed down at 280bbls away to 3bpm, Final Circulating Pressure-3100psi, Bump Pressure-3550psi.
Event	24	Pressure Up Well	Pressure Up Well	3/31/2018	22:15:28	USER	Proceeded to bring pressure up to sheer at 4875psi, continued to pump 3bbls at 4bpm 3300psi for wet shoe.
Event	25	Check Floats	Check Floats	3/31/2018	22:17:15	USER	Released pressure and got 3bbls back to truck.
Event	26	End Job	End Job	3/31/2018	22:20:05	COM4	Got 0bbls spacer back to pits. Estimated TOT-5582', TOL-1925', TOS-236'
Event	27	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	3/31/2018	22:30:00	USER	All HSE present. Discussed red zone areas and trapped pressure hazards. Watch for suspended loads and rig down procedures, including hand placement, lifting techniques, and swing radius.
Event	28	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	4/1/2018	00:15:00	USER	Pre journey managment prior to departure.

3.0 Attachments

3.1 Job Chart

Custom Results

