

*The Road to Excellence Starts with Safety*

Sold To #: 367830	Ship To #: 3286213	Quote #:	Sales Order #: 0901436369
Customer: CATAMOUNT ENERGY PARTNERS LLC	Customer Rep: Larry Candelaria		
Well Name: CAMPBELL 33-7-4	Well #: 2H	API/UWI #: 05-067-09903-00	
Field: IGNACIO BLANCO	City (SAP): IGNACIO	County/Parish: LA PLATA	State: COLORADO
Legal Description: SW SW-3-33N-7W-955FSL-1213FWL			
Contractor: AZTEC WELL	Rig/Platform Name/Num: AZTEC 507		
Job BOM: 7521			
Well Type: COAL DE-GAS			
Sales Person: HALAMERICA\HB50180	Srv Supervisor: Anthony Richesin		
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	523ft		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		16	15.25	65			0	60		
Casing		8.625	8.097	24		J-55	0	522		0
Open Hole Section			12.25				60	522		0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	8.625			522		Top Plug	8.625		HES
Float Shoe	8.625					Bottom Plug	8.625		HES
Float Collar	8.625					SSR plug set	8.625		HES
Insert Float	8.625					Plug Container	8.625		HES
Stage Tool	8.625					Centralizers	8.625		HES

Miscellaneous Materials										
Gelling Agt		Conc		Surfactant		Conc	Acid Type		Qty	Conc
Treatment Fld		Conc		Inhibitor		Conc	Sand Type		Size	Qty

Fluid Data										
Stage/Plug #: 1										
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	
1	Fresh Water	Fresh Water	20	bbl	8.3					
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	HalCem Lead	HALCEM (TM) SYSTEM	315	sack	15.8	1.18		5	5.25	

5.13 Gal		FRESH WATER							
0.1250 lbm		POLY-E-FLAKE (101216940)							
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
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	HalCem Tail	HALCEM (TM) SYSTEM		sack	15.8	1.177		5	5.14
0.1250 lbm		POLY-E-FLAKE (101216940)							
0.30 %		SUPER CBL, 50 LB PAIL (100003668)							
5.14 Gal		FRESH WATER							
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
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	Displacement		0	bbl	9				
Cement Left In Pipe		Amount	42 ft		Reason		Shoe Joint		
Comment									

## 3.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Pass-Side Pump Pressure (psi)	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Pump Stage Total (bbl)	Comment
Event	1	Pressure Test	Pressure Test	6/17/2014	23:28:02	USER					
Event	2	Pump Spacer 1	Pump FW Spacer	6/17/2014	23:40:05	USER	12.11	1.02	8.33	0.1	
Event	3	Pump Lead Cement	Pump Lead Cement	6/17/2014	23:44:56	USER	63.68	3.49	8.37	10.3	
Event	4	Pump Tail Cement	Pump Tail Cement	6/18/2014	00:02:26	USER	98.36	3.05	15.85	66.8	
Event	5	Shutdown	Shutdown	6/18/2014	00:06:26	USER	19.61	0.25	15.71	12.0	
Event	6	Drop Plug	Drop Plug	6/18/2014	00:07:07	USER	12.11	0.00	15.62	12.0	
Event	7	Pump Displacement	Pump Displacement	6/18/2014	00:07:22	USER	12.11	0.00	15.53	0.0	
Event	8	Bump Plug	Bump Plug	6/18/2014	00:30:16	USER	770.56	1.46	8.66	29.9	
Event	9	Check Floats	Check Floats	6/18/2014	00:31:54	USER	279.30	0.00	8.74	29.9	
Event	10	Shut In Well	Shut In Well	6/18/2014	00:33:20	USER	0.86	0.00	8.66	29.9	

5.0 Custom Graphs

5.1 Custom Graph

