

CAERUS OIL AND GAS LLC - EBUS

Island Ranch 21C-24

**Patterson 303**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 6/29/2014

Job Date: 6/22/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 360446	Ship To #: 3474601	Quote #:	Sales Order #: 0901449515
Customer: CAERUS OIL AND GAS LLC - EBUS		Customer Rep:	
Well Name: ISLAND RANCH	Well #: 21C-24	API/UWI #: 05-045-22402-00	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: 13-7S-96W-1287FSL-1063FWL			
Contractor: PATTERSON-UTI ENERGY		Rig/Platform Name/Num: PATTERSON 303	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAM2616		Srcv Supervisor: Edward Deussen	
<b>Job</b>			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	925 ft 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	925		
Open Hole Section			13.5				60	958		

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe				925		Top Plug	9.625	1	HES
Float Shoe						Bottom Plug			
Float Collar						SSR plug set			
Insert Float						Plug Container	9.625	1	HES
Stage Tool						Centralizers			

Miscellaneous Materials										
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc			Conc	
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty			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	Tail Cement	VERSACEM (TM) SYSTEM	265	sack	12.8	2.18		8.0	12.11	
		12.11 Gal FRESH WATER								

Cement Left In Pipe	Amount	41.06 ft	Reason	Shoe Joint
Comment				

3.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Start Job	6/22/2014	19:38:01	COM5					O/L 1800 – TP 925', SJ 41.06', Mud 9.5 ppg, 13 1/2" OH, 9 5/8" J-55 36# Csg
Event	2	Prime Pumps	6/22/2014	19:40:00	COM5	8.33	2.0	42	2.0	Fresh Water
Event	3	Test Lines	6/22/2014	19:46:07	COM5			2997		Pressure Held
Event	4	Pump Spacer 1	6/22/2014	19:47:28	COM5	8.33	5.0	90	20.0	Fresh Water
Event	5	Pump Cement	6/22/2014	19:57:11	COM5	12.8	8.0	328	102.9	265 sks, 12.8 ppg, 2.18 yield, 12.11 gal/sk
Event	6	Shutdown	6/22/2014	20:11:52	USER					Wash Up on Top of Plug
Event	7	Drop Plug	6/22/2014	20:14:07	USER					
Event	8	Pump Displacement	6/22/2014	20:15:12	COM5	8.33	10.0	436	68.3	Fresh Water
Event	9	Slow Rate	6/22/2014	20:22:24	USER	8.33	2.0	189	10.0	Good returns throughout job
Event	10	Bump Plug	6/22/2014	20:26:35	USER			226		15 bbls cement to surface
Event	11	Check Floats	6/22/2014	20:28:15	USER			730		Floats held – 1/2 bbl flowback
Event	12	End Job	6/22/2014	20:29:06	COM5					Thank you for using Halliburton