

CAERUS OIL AND GAS LLC - EBUS

Island Ranch 11D-24

**Patterson 303**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 6/29/2014

Job Date: 6/26/2014

Submitted by: Tony Eschete - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 360446	Ship To #: 3474600	Quote #:	Sales Order #: 0901459831
Customer: CAERUS OIL AND GAS LLC - EBUS		Customer Rep: BOYD COTTAM	
Well Name: ISLAND RANCH	Well #: 11D-24	API/UWI #: 05-045-22437-00	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: 13-7S-96W-1310FSL-1059FWL			
Contractor: PATTERSON-UTI ENERGY		Rig/Platform Name/Num: PATTERSON 303	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srvc Supervisor: Jesse Slaughter	
<b>Job</b>			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	976.02ft Job Depth TVD
Water Depth	Wk Ht Above Floor 8ft
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	3	9.625	8.921	36		J-55	0	36	0	0
Casing	3	16	15.124	75			0	72	0	0
Casing		9.625	8.921	36	LTC	J-55	0	976.02		0
Open Hole Section			13.5				72	983	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe	9.625	1		976.02	Top Plug	9.625	1	HES	
Float Shoe	9.625	1			Bottom Plug	9.625		HES	
Float Collar	9.625	1			SSR plug set	9.625		HES	
Insert Float	9.625				Plug Container	9.625	1	HES	
Stage Tool	9.625				Centralizers	9.625		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 ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.34			4		
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	Tail Cement	VERSACEM (TM) SYSTEM	265	sack	12.8	2.18		8	12.11
12.11 Gal		FRESH WATER							
<b>Fluid #</b>	<b>Stage Type</b>	<b>Fluid Name</b>	<b>Qty</b>	<b>Qty UoM</b>	<b>Mixing Density lbm/gal</b>	<b>Yield ft<sup>3</sup>/sack</b>	<b>Mix Fluid Gal</b>	<b>Rate bbl/mi n</b>	<b>Total Mix Fluid Gal</b>
3	Fresh Water Spacer	Fresh Water Spacer	72.0	bbl	8.34			10	
<b>Cement Left In Pipe</b>		<b>Amount</b>	44.03 ft		<b>Reason</b>		Shoe Joint		
<b>Comment</b>									

### 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	Call Out	6/26/2014	12:00:00	USER					
Event	2	Pre-Convoy Safety Meeting	6/26/2014	13:50:00	USER					WITH ALL HES PERSONAL
Event	3	Crew Leave Yard	6/26/2014	14:00:00	USER					
Event	4	Arrive At Loc	6/26/2014	15:00:00	USER					RIG PULLING DRILL PIPE UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	6/26/2014	18:30:00	USER					WITH ALL HES PERSONAL
Event	6	Other	6/26/2014	18:40:00	USER					
Event	7	Pre-Rig Up Safety Meeting	6/26/2014	18:50:00	USER					WITH ALL HES PERSONAL
Event	8	Rig-Up Equipment	6/26/2014	19:00:00	USER					
Event	9	Pre-Job Safety Meeting	6/26/2014	20:20:00	USER					WITH ALL PERSONAL
Event	10	Start Job	6/26/2014	20:30:39	COM7					TD 983 FT, TP 976.02 FT, SHOE 44.03 FT, CSG 9 5/8 IN 36 LB/FT, HOLE 13 1/2 IN, MUD WT 9.8 PPG
Event	11	Prime Pumps	6/26/2014	20:31:45	USER	8.33	2.0	27.0	2.0	FRESH WATER
Event	12	Test Lines	6/26/2014	20:33:47	COM7					TESTED LINES TO 3280 PSI PRESSURE HOLDING
Event	13	Pump Spacer 1	6/26/2014	20:43:00	COM7	8.33	4.0	24.0	20.0	FRESH WATER
Event	14	Pump Tail Cement	6/26/2014	20:50:35	COM7	12.8	8.0	302.0	102.9	265 SKS AT 12.8 PPG, 2.18 FT3/SK, 12.11 GAL/SK
Event	15	Shutdown	6/26/2014	21:04:21	USER					
Event	16	Drop Top Plug	6/26/2014	21:07:54	COM7					PLUG LAUNCHED
Event	17	Pump Displacement	6/26/2014	21:09:14	COM7	8.33	10.0	417.0	72.0	FRESH WATER
Event	18	Slow Rate	6/26/2014	21:20:39	USER	8.33	2.0	240.0	62.0	SLOWED RATE 10 BBL PRIOR TO CALCULATED DISPLACEMENT.
Event	19	Bump Plug	6/26/2014	21:26:02	COM7			890.0		
Event	20	Check Floats	6/26/2014	21:29:44	USER					FLOATS HOLDING. HES RETURNED 1/2 BBL H2O TO PUMP
Event	21	End Job	6/26/2014	21:30:00	COM7					PIPE WAS STATIC DURING JOB, GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 12 BBL CEMENT TO

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						SURFACE. USED 40 LB SUGAR FOR JOB
Event	22	Pre-Rig Down Safety Meeting	6/26/2014	21:40:00	USER	WITH ALL HES PERSONNEL
Event	23	Rig-Down Equipment	6/26/2014	21:45:00	USER	
Event	24	Pre-Convoy Safety Meeting	6/26/2014	21:50:00	USER	WITH ALL HES PERSONNEL
Event	25	Crew Leave Location	6/26/2014	22:00:00	USER	
Event	26	Comment	6/26/2014	22:01:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JESSE SLAUGHTER AND CREW

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