

CAERUS OIL AND GAS LLC - EBUS

Island Ranch 21A-24

Patterson 303

Post Job Summary

Cement Surface Casing

Date Prepared: 07/24/14

Job Date: 07/04/14

Submitted by: Kory Hugentobler – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 360446	Ship To #: 3474603	Quote #:	Sales Order #: 0901486532
Customer: CAERUS OIL AND GAS LLC - EBUS	Customer Rep: Boyd Cottam		
Well Name: ISLAND RANCH	Well #: 21A-24	API/UWI #: 05-045-22397-00	
Field: PARACHUTE	City (SAP): PARACHUTE	County/Parish: GARFIELD	State: COLORADO
Legal Description: 13-7S-96W-1302FSL-1060FWL			
Contractor: PATTERSON-UTI ENERGY	Rig/Platform Name/Num: PATTERSON 303		
Job BOM: 14161			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180	Srvc Supervisor: Carlton Kukus		
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	945ft Job Depth TVD
Water Depth	Wk Ht Above Floor 5ft
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	New	9.625	8.921	36	8 RD	J-55	0	935	0	935
Open Hole Section			13.5				0	945		945

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625	1		935		Top Plug	9.625	1	HES
Float Shoe	9.625	1				Bottom Plug	9.625	0	HES
Float Collar	9.625	1				SSR plug set	9.625	0	HES
Insert Float	9.625	1				Plug Container	9.625	1	HES
Stage Tool	9.625	1				Centralizers	9.625		HES

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

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	Fresh Water Spacer	Fresh Water Spacer	20	bbl	8.33			4		
42 gal/bbl		FRESH WATER								
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	Tail Cement	VARICEM (TM) CEMENT	265	sack	12.3	2.18		8	12.11
94 lbm		TYPE I / II CEMENT, BULK (101439798)							
12.11 Gal		FRESH WATER							
Cement Left In Pipe		Amount	44 ft			Reason		Shoe Joint	
Comment 18.5 BBLS OF CEMENT TO SURFACE									

3.1 Job Event Log

Type	Seq No.	Graph Label	Date	Time	Source	DH Density (ppg)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comb Pump Rate (bbl/min)	Comment
Event	1	Call Out	7/4/2014	15:00:00	USER					HES CREW CALLED OUT
Event	2	Pre-Convoy Safety Meeting	7/4/2014	16:30:00	USER					HES CREW HELD SAFETY MEETING AND DISCUSSED HAZARDS OF DRIVING
Event	3	Crew Leave Yard	7/4/2014	17:00:00	USER					1-F-550 PICKUP, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK
Event	4	Arrive At Loc	7/4/2014	18:30:00	USER					HES ARRIVED 2.5 HOURS EARLY
Event	5	Assessment Of Location Safety Meeting	7/4/2014	18:45:00	USER					RIG WAS RIGGING UP CASERS TO START RUNNING CASING
Event	6	Pre-Rig Up Safety Meeting	7/4/2014	19:00:00	USER					HES CREW
Event	7	Rig-Up Equipment	7/4/2014	19:15:00	USER					RIG UP IRON TO THE STAND PIPE, WATER HOSES TO THE UPRIGHT, AND BULK TRUCK TO PUMP TRUCK
Event	8	Pre-Job Safety Meeting	7/4/2014	21:30:00	USER					ALL HES AND RIG CREW PRESENT
Event	9	Start Job	7/4/2014	21:52:58	COM5	5.79	0.00	0.0	0.00	TD: 945ft TP: 935ft SJ: 43.91ft OH: 13.5" CSG: 9.625 36# J-55 MUD WT: 9.0PPG VISC: 33
Event	10	Fill Lines	7/4/2014	21:55:52	COM5	8.35	-2.00	0.0	0.00	FILL LINES TO PRESSURE TEST
Event	11	Test Lines	7/4/2014	22:00:31	COM5	8.55	3899.00	2.3	0.00	TEST LINES TO 3000 PSI
Event	12	Fresh Water Spacer	7/4/2014	22:03:26	COM5	8.44	80	20	4	20 BBL FRESH WATER SPACER
Event	13	Pump Tail Cement	7/4/2014	22:10:54	COM5	12.8	145	102	5	265 SKS OF VARICEM CEMENT 12.8PPG 2.18YIELD 12.11GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	14	Shutdown	7/4/2014	22:31:26	USER	12.85	119.00	101.5	2.00	SHUTDOWN END OF CEMENT, HES WASHED UP ON TOP OF PLUG
Event	15	Pump Displacement	7/4/2014	22:33:37	COM5	8.34	265	58	6	FRESH WATER DISPLACEMENT
Event	16	Slow Rate	7/4/2014	22:44:35	USER	8.41	259.00	10	2	SLOW RATE TO BUMP THE PLUG
Event	17	Bump Plug	7/4/2014	22:49:07	COM5	8.51	218	67.2	0.00	BUMPED PLUG AT 218 PSI TOOK TO 975 PSI

Event	18	Check Floats	7/4/2014	22:52:01	USER	8.48	975.00	67.2	0.00	FLOATS HELD .5 BBLS BACK TO TANKS
Event	19	End Job	7/4/2014	22:53:42	COM5	8.43	1.00	0.0	0.00	THANK YOU FOR CHOOSING HALLIBURTON CEMENT CARL KUKUS AND CREW
Event	20	Pre-Rig Down Safety Meeting	7/4/2014	23:00:00	USER					ALL HES CREW
Event	21	Rig Down Lines	7/4/2014	23:10:00	USER					RIG DOWN ALL LINES AND RACK UP