

CAERUS OIL AND GAS LLC - EBUS

NOLTE 13D-13

**PATTERSON/303**

**Post Job Summary**  
**Cement Surface Casing**

Date Prepared: 05/02/14  
Job Date: 04/28/14

Submitted by: Evan Russell - Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 360446	Ship To #: 3280262	Quote #:	Sales Order #: 0901304212
Customer: CAERUS OIL AND GAS LLC - EBUS		Customer Rep: WHITEY COTTAM	
Well Name: NOLTE	Well #: 13D-13	API/UWI #: 05-045-22305-00	
Field: GRAND VALLEY	City (SAP): PAR	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE SE-14-7S-96W-806FSL-340FEL			
Contractor: PATTERSON-UTI ENERGY		Rig/Platform Name/Num: PATTERSON 303	
Job BOM: 7521			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HAM2616		Srcv Supervisor: DUSTIN SMITH	
Job			

Formation Name				
Formation Depth (MD)	Top	0	Bottom	1025
Form Type	BHST			
Job depth MD	1025ft			
Water Depth	Wk Ht Above Floor			5 ft
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	15.124	75			0	100	0	0
Casing		9.625	8.921	36	LTC	J-55	0	1004		0
Open Hole Section			13.5				100	1025	0	1025

### Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625			1004	Top Plug	9.625	1	HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625			957.12	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	8.33			4.0	
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		6.0	12.11
12.07 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	Displacement	Displacement	73.9	bbl	8.33			6.0	
<b>Cement Left In Pipe</b>		<b>Amount</b>	46.88 ft		<b>Reason</b>		Shoe Joint		
<b>Comment</b>									

# Summary Report



Sales Order #: 0901304212  
WO #: 0901304212  
PO/AFE #: 1-14-002

Crew: \_\_\_\_\_

Job Start Date: 4/28/2014

Customer: CAERUS OIL AND GAS LLC -  
EBUS  
UWI / API Number: 05-045-22305-00  
Well Name: NOLTE  
Well No: 13D-13

Field: GRAND VALLEY  
County/Parish: GARFIELD  
State: COLORADO  
Latitude: 39.432376  
Longitude: -108.069169  
Sect / Twn / Rng: 14/7/96

Job Type: CMT SURFACE  
CASING BOM  
Service Supervisor: Dustin Smith

Cust Rep Name:  
Cust Rep Phone #:

<b>Remarks:</b>		
<i>The Information Stated Herein Is Correct</i>	Customer Representative Signature <i>R. Boyd Cattam</i>	Date <i>4-28-14</i>
	Customer Representative Printed Name	

## 3.5 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stage Total (bbl)	Comment
Event	1	Call Out	4/28/2014	10:00:00	USER					ELITE # 9
Event	2	Pre-Convoy Safety Meeting	4/28/2014	12:00:00	USER					ALL HES EMPLOYEES
Event	3	Arrive At Loc	4/28/2014	13:00:00	USER					ARRIVED ON LOCATION 2 HOURS EARLY DIDNT START CHARGING TIME UNTIL REQUESTED ON LOCATION TIME RIG DRILLING
Event	4	Pre-Rig Up Safety Meeting	4/28/2014	14:00:00	USER					ALL HES EMPLOYEES
Event	5	Rig-Up Equipment	4/28/2014	14:10:00	USER					1 HT-400 PUMP TRUCK ( ELITE # 9) 1 660 BULK TRUCK 1 F-550 PICKUP
Event	6	Pre-Job Safety Meeting	4/28/2014	14:20:00	USER					ALL HES EMPLOYEES AND RIG CREW
Event	7	Rig-Up Completed	4/28/2014	14:30:00	USER					RIG CIRCULATED @ 165 GPM PRIOR TO THE JOB PIPE STATIC THROUGHOUT CIRCULATION
Event	8	Start Job	4/28/2014	17:28:00	COM5					TD;1025 TP: 1004 SJ; 46.88 9 5/8 36# J-55 CSG OH: 13 1/2 MUD WT: 9.6 PPG VIS 39
Event	9	Prime Pumps	4/28/2014	17:30:00	COM5	8.33	2.0	54	2.0	PRIME LINES
Event	10	Test Lines	4/28/2014	17:31:52	COM5	8.33	0.00	3665	2.0	PRESSURE TEST OK
Event	11	Pump Spacer 1	4/28/2014	17:34:58	COM5	8.33	4.0	120	20	PUMP FRESH WATER SPACER
Event	12	Pump Cement	4/28/2014	17:42:38	COM5	12.80	6.0	220	102.9	265 SKS 12.8 PPG 2.18 YIELD 12.11 GAL/SK TAIL CEMENT WEIGHT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT
Event	13	Shutdown	4/28/2014	18:00:41	USER					

Event	14	Drop Top Plug	4/28/2014	18:02:11	USER					PLUG AWAY NO PROBLEMS WASHED UP ON TOP OF PLUG AS PER COMPANY REP
Event	15	Pump Displacement	4/28/2014	18:02:57	COM5	8.33	6	320	73.9	FRESH WATER DISPLACEMENT
Event	16	Pump Displacement	4/28/2014	18:13:42	COM5	8.33	2.0	250	63	SLOW RATE TO LAND PLUG
Event	17	Bump Plug	4/28/2014	18:18:53	COM5	8.33	2.0	714	73.9	FINAL CIRCULATING PRESSURE PRIOR TO LANDING PLUG @ 250 PSI BUMPED PLUG UP TO 714 PSI
Event	18	Check Floats	4/28/2014	18:21:08	USER					FLOATS HELD 1/2 BBL BACK TO DISPLACEMENT TANKS
Event	19	End Job	4/28/2014	18:22:04	COM5					GOOD CIRCULATION THROUGHOUT JOB RETURNED 20 BBLS OF CEMENT TO SURFACE PIPE STATIC THROUGHOUT THE JOB
Event	20	Comment	4/28/2014	18:24:00	USER	8.37	0.00	3.00	0.0	REMOVED ADD HOURS FROM THE TICKET RIG USED 40#S OF SUGAR AND ADJUSTED THE TICKET ACCORDINGLY
Event	21	Pre-Rig Down Safety Meeting	4/28/2014	18:30:00	USER	8.35	0.00	4.00	0.0	ALL HES EMPLOYEES
Event	22	Rig-Down Equipment	4/28/2014	18:40:00	USER					
Event	23	Pre-Convoy Safety Meeting	4/28/2014	19:50:00	USER					ALL HES EMPLOYEES
Event	24	Crew Leave Location	4/28/2014	20:00:00	USER					THANK YOU FOR USING HALLIBURTON CEMENT DUSTIN SMITH AND CREW