

**CONTINENTAL RESOURCES INC
P O BOX 268836
OKLAHOMA CITY, Oklahoma**

Buchner 2-2H

CYCLONE 27

Post Job Summary **Cement Surface Casing**

Prepared for:
Date Prepared: 4/18/2013
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: FINNEY, SEAN

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Open Hole Section	13-1/2" Hole		13.500		0.00	660.00	
Casing	9-5/8" Casing	9.63	8.921	36.00	0.00	660.00	45.00

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Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Water Spacer with Dye	8.34	2.00	10.0 bbls	10.0 bbls
1	2	Cement Slurry	SwiftCem B2	12.00	3.00	90.0 sacks	90.0 sacks
1	3	Cement Slurry	SwiftCem B2	13.50	4.00	105.0 sacks	105.0 sacks
1	4	Spacer	Displacement Fluid	8.33	5.00	49.0 bbls	49.0 bbls

Fluids Pumped

Stage/Plug # 1 Fluid 1: Water Spacer with Dye

DUMMY MUD / FLUSH / SPACER SBC MATERIAL

0.05 lbm/bbl Rhodamine Red Dye No. 2

1 lbm/bbl Poly-E-Flake

Fluid Density: 8.34 lbm/gal

Pump Rate: 2.00 bbl/min

Stage/Plug # 1 Fluid 2: SwiftCem B2

SWIFTCEM (TM) SYSTEM

0.125 lbm Poly-E-Flake

Fluid Weight: 12.00 lbm/gal

Slurry Yield: 2.47 ft³/sack

Total Mixing Fluid: 14.56 Gal

Surface Volume: 90.0 sacks

Sacks: 90.0 sacks

Calculated Fill: 410.00 ft

Calculated Top of Fluid: 0.00 ft

Pump Rate: 3.00 bbl/min

Stage/Plug # 1 Fluid 3: SwiftCem B2

SWIFTCEM (TM) SYSTEM

0.125 lbm Poly-E-Flake

Fluid Weight: 13.50 lbm/gal

Slurry Yield: 1.75 ft³/sack

Total Mixing Fluid: 9.21 Gal

Surface Volume: 105.0 sacks

Sacks: 105.0 sacks

Calculated Fill: 250.00 ft

Calculated Top of Fluid: 410.00 ft

Pump Rate: 4.00 bbl/min

Stage/Plug # 1 Fluid 4: Displacement Fluid

DUMMY MUD / FLUSH / SPACER SBC MATERIAL

Fluid Density: 8.33 lbm/gal

Pump Rate: 5.00 bbl/min

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
03/31/2013 15:30		Arrive at Location from Service Center						
03/31/2013 15:40		Assessment Of Location Safety Meeting						Hazarad Hunt on location before spotting in trucks
03/31/2013 17:48		Start Job						
03/31/2013 17:48		Test Lines						3500psi Pressure Test Lines to rig floor
03/31/2013 17:50		Pump Spacer 1	2	10			48.0	10bbls H2O spacer
03/31/2013 17:59		Pump Cement	3	40			50.0	90sks SwiftCem, 12ppg, 2.47yield, 14.56gal/sk mixed with rig water and # verify by pressurized mud scales
03/31/2013 18:15		Pump Tail Cement	4	33			100.0	105sks SwifCem, 13.5ppg, 1.75yield, 9.21gal/sk mixed with rig water and # verify by pressurized mud scales
03/31/2013 18:25		Shutdown						
03/31/2013 18:27		Drop Top Plug						Plug Pre-Loaded
03/31/2013 18:27		Pump Displacement	5	49			187.0	H2O displacement, Good returns throughout... 10bbls spacer back and 3bbls cmt back
03/31/2013 18:43		Cement Returns to Surface					200.0	46bbls into displacment recieved 3bbls total cmt back
03/31/2013 18:44		Bump Plug	2.5				900.0	plug landed at 266psi and brought up to 900psi for 5mins
03/31/2013 18:49		Check Floats						floats held
03/31/2013 18:51		End Job						

The Road to Excellence Starts with Safety

Sold To #: 301520	Ship To #: 2989139	Quote #:	Sales Order #: 900329365
Customer: CONTINENTAL RESOURCES INC		Customer Rep: Howard, Dave	
Well Name: Buchner		Well #: 2-2H	API/UWI #:
Field: WILDCAT	City (SAP): HUDSON	County/Parish: Weld	State: Colorado
Contractor: CYCLONE		Rig/Platform Name/Num: CYCLONE 27	
Job Purpose: Cement Surface Casing			
Well Type: Test Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srv Supervisor: BULINSKI, MATTHEW	MBU ID Emp #: 483865

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BULINSKI, MATTHEW J	0.0	483865	MILLER, GEOFFREY Alan	0.0	460232	NESBITT, ROY Iverson	0.0	537416
SINCLAIR, RICHARD	0.0	368195						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11064046C	50 mile	11542778	50 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Formation Name					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type	BHST				On Location	31 - Mar - 2013	15:30	MST
Job depth MD	660. ft		Job Depth TVD	660. ft	Job Started	31 - Mar - 2013	17:48	MST
Water Depth			Wk Ht Above Floor		Job Completed	31 - Mar - 2013	18:51	MST
Perforation Depth (MD)	From	To			Departed Loc	31 - Mar - 2013	20:00	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
13-1/2" Hole				13.5				.	660.		
9-5/8" Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	660.		



Cementing Job Summary

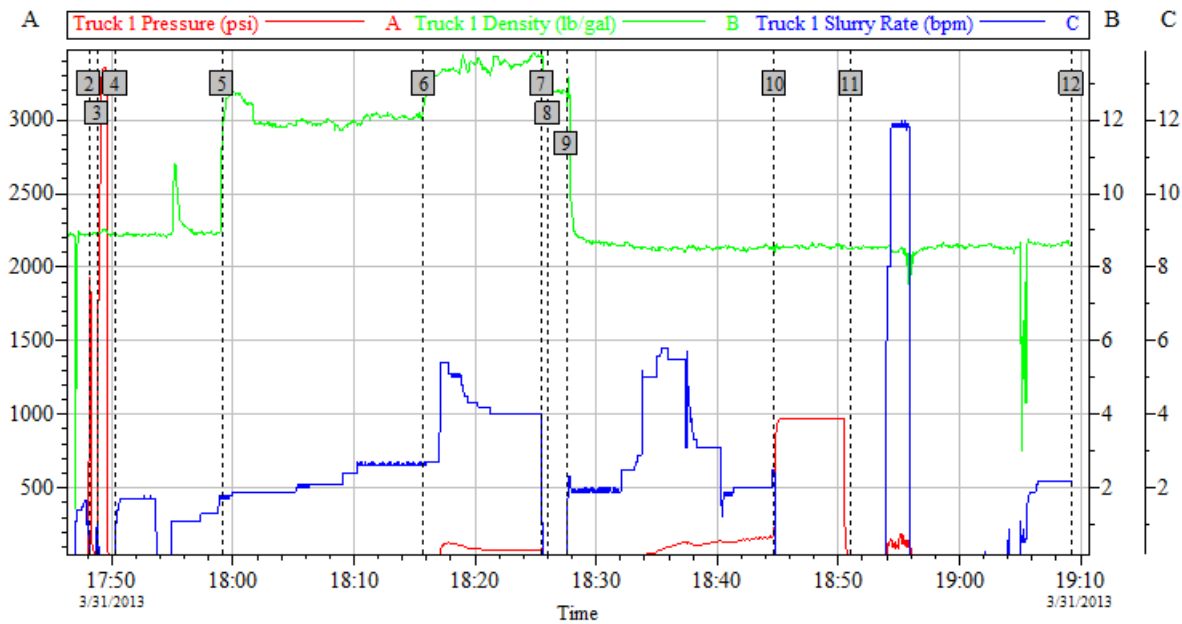
Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer with Dye		10.0	bbl	8.34	.0	.0	5.0	
	0.05 lbm/bbl	RHODAMINE RED LIQUID DYE # 2 (101201084)							
	1 lbm/bbl	POLY-E-FLAKE (101216940)							
2	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	90.0	sacks	12.	2.47	14.56	5.0	14.56
	0.125 lbm	POLY-E-FLAKE (101216940)							
	14.563 Gal	FRESH WATER							
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)	105.0	sacks	13.5	1.75	9.21	5.0	9.21
	0.125 lbm	POLY-E-FLAKE (101216940)							
	9.211 Gal	FRESH WATER							
4	Displacement Fluid		49.0	bbl	8.33	.0	.0	5.0	
The Information Stated Herein Is Correct					Customer Representative Signature				

Summit
Version:

Thursday, April 18, 2013 11:30:00

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Data Acquisition



Global Event Log

2 Start Job	17:48:07	3 Test Lines	17:48:47	4 Pump Spacer 1	17:50:19
5 Pump Lead Cement	17:59:06	6 Pump Tail Cement	18:15:45	7 Shutdown	18:25:31
8 Clean Lines	18:26:01	9 Pump Displacement	18:27:33	10 Bump Plug	18:44:42
11 End Job	18:51:03	12 Ending Job	19:09:17		

Customer:

Well Description:

Job Date: 31-Mar-2013

UWI:

Sales Order #: 900329365

OptiCem v6.4.10
18-Apr-13 11:23

