

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
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 1000 Rio Brazos Rd., Aztec, NM 87420  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 Revised August 1, 2011

**HOBBS OCD**  
**DEC 20 2012**  
**RECEIVED**

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-40411
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No.:
3. Address of Operator P. O. Box 51810 Midland, TX 79710		7. Lease Name or Unit Agreement Name RED HILLS WEST 16 STATE
4. Well Location Unit Letter <u>C</u> : <u>180</u> feet from the <u>NORTH</u> line and <u>1960</u> feet from the <u>WEST</u> line Section <u>16</u> Township <u>26S</u> Range <u>32E</u> NMPM County <u>LEA</u>		8. Well Number <u>2H</u> 9. OGRID Number <u>217817</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3203' GL</u>		10. Pool name or Wildcat BONE SPRING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: Lab report for surf & intermediate cmt <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

As per the 500 psi compressive strength regulation please find the attached lab work particular to cmt being pumped. Conversations w/ Paul Kautz on 12/17/12 confirmed this.

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ashley Martin TITLE Staff Regulatory Technician DATE 12/18/2012

Type or print name Ashley Martin E-mail address: Ashley.Martin@conocophillips.com PHONE: (432)688-6938

**For State Use Only**  
 APPROVED BY: [Signature] TITLE Petroleum Engineer DATE DEC 24 2012  
 Conditions of Approval (if any): [Signature]

JAN 08 2013 [Signature]

# HALLIBURTON

Permian Basin, Hobbs

PLT Lab Results- Lead

## Job Information

Request/Slurry	2005497/1	Rig Name	Precision#827	Date	12/10/2012
Submitted By	Mahdi Namvar	Job Type	Intermediate Casing	Bulk Plant	Hobbs, NM
Customer	COP	Location	Lea, NM	Well	Red Hills Fed 16#2H

## Well Information

Casing/Liner Size	9.625"	Depth MD	4465 ft	BHST	114 F
Hole Size	12.25"	Depth TVD	4465 ft	BHCT	93 F

## Cement Information - Lead Design

Conc	UOM	Cement/Additive	Cement Properties		
100	% BWOC	EconoCem - HLC	Slurry Density	12.9	lbm/gal
5	% BWOW	NaCl (Sodium Chloride) Salt	Slurry Yield	1.86	ft3/sack
1	lb/sk	Kol-Seal	Water Requirement	9.79	gal/sack
0.2	% BWOC	HR-800			
9.79	gal/sack	Fresh Water			

## Pilot Test Results Request ID 2005497/1

### Thickening Time

Temp (°F)	Pressure (psi)	Reached in (min)	70 Bc (hh:mm)
93	2800	17	4:34

### UCA Comp. Strength

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	12 hr CS (psi)	24 hr CS (psi)
114	1000	5:30	12:40	468	852

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# HALLIBURTON

## PLT LAB RESULTS – Tail

### Cementing Permian Basin, Hobbs

#### Job Information

Request/Slurry	281710/1	Rig Name	Precision#827	Date	12/10/2012
Submitted By	Mahdi Namvar	Job Type	Intermediate Casing	Bulk Plant	Hobbs, NM
Customer	COP	Location	Lea, NM	Well	Red Hills Fed 16#2H

#### Well Information

Casing/Liner Size	9.625"	Depth MD	4465 ft	BHST	114 F
Hole Size	12.25"	Depth TVD	4465 ft	BHCT	93 F

#### Cement Information - Tail Design

Conc	UOM	Cement/Additive	Cement Properties		
100.00	% BWOC	HalCem C	Slurry Density	14.80	PPG
6.34	gal/sack	Fresh Water	Slurry Yield	1.33	ft <sup>3</sup> /sk
			Water Requirement	6.34	GPS

#### Pilot Test Results Request ID 281710/1

##### UCA Comp. Strength

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	12 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)
118	1,000	02:55	04:55	1,629	2,158	2,548

##### Thickening Time

Temp (°F)	Pressure (psi)	Reached in (min)	70 Bc (hh:mm)
94	2,700	17	03:07

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# HALLIBURTON

Permian Basin, Hobbs

Lab Results- Lead

## Job Information

Request/Slurry	2004463/1	Rig Name	Precision#827	Date	12/10/2012
Submitted By	Mahdi Namvar	Job Type	Surface Casing	Bulk Plant	Hobbs, NM
Customer	COP	Location	Lea, NM	Well	Red Hills Fed 16#2H

## Well Information

Casing/Liner Size	13.375"	Depth MD	910 ft	BHST	86 F
Hole Size	17.5"	Depth TVD	910 ft	BHCT	81 F

## Cement Information - Lead Design

Conc	UOM	Cement/Additive	Cement Properties		
100	% BWOC	Cemex Premium Plus C	Slurry Density	13.5	lbm/gal
4	% BWOC	Bentonite Wyoming - PB	Slurry Yield	1.73	ft <sup>3</sup> /sack
1	% BWOC	CaCl <sub>2</sub> (Calcium Chloride) 94-97 % Salt	Water Requirement	9.16	gal/sack
9.16	gal/sack	Fresh Water	Total Mix Fluid	9.16	gal/sack

## Pilot Test Results Request ID 2004463/1

### Thickening Time

Temp (°F)	Pressure (psi)	Reached in (min)	70 Bc (hh:mm)
81	600	5	4:32

### UCA Comp. Strength

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	8 hr CS (psi)	12 hr CS (psi)	24 hr CS (psi)
85	1000	3:50	10:45	398	590	1105

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# HALLIBURTON

Permian Basin, Hobbs

Lab Results- Tail

## Job Information

Request/Slurry	278897/1	Rig Name	Precision#827	Date	12/10/2012
Submitted By	Mahdi Namvar	Job Type	Surface Casing	Bulk Plant	Hobbs, NM
Customer	COP	Location	Lea, NM	Well	Red Hills Fed 16#2H

## Well Information

Casing/Liner Size	13.375"	Depth MD	910 ft	BHST	86 F
Hole Size	17.5"	Depth TVD	910 ft	BHCT	81 F

## Cement Information - Tail Design

Conc	UOM	Cement/Additive	Cement Properties		
100	% BWOC	Cemex Premium Plus C	Slurry Density	14.8	lbm/gal
2	% BWOC	CaCl2 (Calcium Chloride) 94-97 % Salt	Slurry Yield	1.35	ft3/sack
6.39	gal/sack	Fresh Water	Water Requirement	6.39	gal/sack
			Total Mix Fluid	6.39	gal/sack

## Pilot Test Results Request ID 278897/1

### Thickening Time

Temp (°F)	Pressure (psi)	Reached in (min)	70 Bc (hh:mm)
81	800	5	02:51

### UCA Comp. Strength

End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	12 hr CS (psi)	24 hr CS (psi)
88	1000	03:10	08:35	724	1190

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