

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM 88240

District II - (575) 748-1283

811 S. First St., Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Rd., Aztec, NM 87410

District IV - (505) 476-3460

1220 S. St. Francis Dr., Santa Fe, NM

87505

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

Revised August 1, 2011

HOBBS OCD

OIL CONSERVATION DIVISION

DEC 20 2012

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-40411

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
RED HILLS WEST 16 STATE

8. Well Number 2H

9. OGRID Number
217817

10. Pool name or Wildcat
BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS

(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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
ConocoPhillips Company

3. Address of Operator
P. O. Box 51810
Midland, TX 79710

4. Well Location

Unit Letter C : 180 feet from the NORTH line and 1960 feet from the WEST line

Section 16 Township 26S Range 32E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3203' GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Lab report for surf & intermediate cmt

☒

OTHER:

☐

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):

JAN 08 2013

Chm

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

Cementing Permian Basin, Hobbs

PLT LAB RESULTS – Tail

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	ft3/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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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 ³ /sack
1	% BWOC	CaCl ₂ (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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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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