

Submit 1 Copy To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
October 13, 2009

RECEIVED

OCT 08 2010

HOBBSD

OIL CONSERVATION DIVISION
220 South St. Francis Dr.
Santa Fe, NM 87505

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.)		WELL API NO. 30-025-39820 ✓
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐ ✓
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No.
3. Address of Operator 3300 N. "A" St., Bldg. 6 Midland, TX 79705		7. Lease Name or Unit Agreement Name Tourmaline State ✓
4. Well Location Unit Letter <u>O</u> : <u>380</u> feet from the <u>SOUTH</u> line and <u>1650</u> feet from the <u>EAST</u> line Section <u>16</u> Township <u>17S</u> Range <u>32E</u> NMPM County <u>LEA</u> ✓		8. Well Number <u>1</u> ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4015' GR		9. OGRID Number 217817 ✓
		10. Pool name or Wildcat Maljamar; Yeso, West (44500) ✓

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: Compressive Strength Criterion ☒

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.

ConocoPhillips has approval to drill the above mentioned well, APD dated July 13, 2010.

In accordance with NMAC 19.15.16.10, ConocoPhillips intends to allow the cement to stand the minimum requirement of 8 hours prior to commencing tests:

(1) Lead Cement = 648 cub.ft.3 Class C + 4% D020 Extender + 1% CaCl2

Tail Cement = 268 cub.ft.3 Class C + 1% CaCl2

(2) 80 degrees F

(3) 88 degrees F

(4) 750psi compressive strength after 8 hours

(5) 8 hours

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

TITLE Regulatory Specialist

DATE 10/05/2010

Type or print name Jalyn N. Fiske

E-mail address: Jalyn.Fiske@conocophillips.com PHONE: (432)688-6813

For State Use Only

APPROVED BY:

TITLE

PETROLEUM ENGINEER

DATE

OCT 12 2010

Conditions of Approval (if any):

Conoco - MCA 492 Surface Field Blend Lead

Fluid No :	Client : Conoco/Phillips	Location / Rig :	Signatures
Date : Aug-08-2009	Well Name : MCA 492	Field :	A. Galindo

Job Type	Surface	Depth	1014.0 ft	TVD	1014.0 ft
BHST	88 degF	BHCT	81 degF	BHP	707 psi
Starting Temp.	80 degF	Time to Temp.	00:13 hr:mn	Heating Rate	0.01 degF/min
Starting Pressure	251 psi	Time to Pressure	00:13 hr:mn	Schedule	9.2-1

Composition

Slurry Density	13.50 lb/gal	Yield	1.75 ft ³ /sk	Mix Fluid	9.012 gal/sk
Solid Vol. Fraction	31.1 %	Porosity	68.9 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
C		94 lb of BLEND	Blend	197.27 lb/ft ³	
Fresh water	9.012 gal/sk		Base Fluid		
D020	4.000 %BWOC		Extender		
S001	1.000 %BWOC		Accelerator		
D042	3.000 lb/sk		LCM/extender		

Rheology (Average readings)

(rpm)	(deg)
300	52.0
200	44.5
100	35.5
60	31.5
30	25.5
6	22.5
3	18.5

10 sec Gel	18
10 min Gel	54
1 min Stirring	53
Temperature	80 degF

Pv: 26.918 cP
Ty: 25.74 lbf/100ft²

Thickening Time

Consistency	Time
POD :	01:45 hr:mn
50 Bc	02:40 hr:mn
70 Bc	03:38 hr:mn

Free Fluid

0.0 mL/250mL	in 2 hrs
At 81 degF and 0 deg incl.	
Sedimentation	None

UCA Compressive Strength

Time	CS
02:40 hr:mn	50 psi
06:44 hr:mn	500 psi
12:00 hr:mn	923 psi
24:00 hr:mn	1413 psi
48:00 hr:mn	1837 psi
72:00 hr:mn	2048 psi

Conoco - MCA 492 Surface Field Blend Tail

Fluid No :	Client : Conoco/Phillips	Location / Rig	Signatures
Date : Aug-08-2009	Well Name : MCA 492	Field :	A. Galindo

Job Type	Surface	Depth	1014.0 ft	TVD	1014.0 ft
BHST	88 degF	BHCT	81 degF	BHP	707 psi
Starting Temp.	80 degF	Time to Temp.	00:13 hr:mn	Heating Rate	0.01 degF/min
Starting Pressure	251 psi	Time to Pressure	00:13 hr:mn	Schedule	9.2-1

Composition

Slurry Density	14.80 lb/gal	Yield	1.33 ft ³ /sk	Mix Fluid	6.365 gal/sk
Solid Vol. Fraction	35.9 %	Porosity	64.1 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
C		94 lb of BLEND	Blend	197.27 lb/ft ³	
Fresh water	6.365 gal/sk		Base Fluid		

Rheology (Average readings)

(rpm)	(deg)
300	51.0
200	43.0
100	33.5
60	29.0
30	24.5
6	17.0
3	13.5

10 sec Gel	17
10 min Gel	28
1 min Stirring	55

Temperature	80 degF
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Pv: 29.248 cP
Ty: 22.80 lb/100ft²

Thickening Time

Consistency	Time
POD :	02:25 hr:mn
50 Bc	02:39 hr:mn
70 Bc	03:34 hr:mn

Free Fluid

0.0 mL/250mL	in 2 hrs
At 80 degF and 0 deg incl.	
Sedimentation	None

UCA Compressive Strength

Time	CS
02:35 hr:mn	50 psi
05:16 hr:mn	500 psi
12:00 hr:mn	1598 psi
24 00 hr:mn	2521 psi
48:00 hr:mn	3137 psi
72:00 hr:mn	3307 psi