

Submit 3 Copies 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
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.	30-039-27568
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name San Juan 29-6 Unit	
8. Well Number	107M
9. OGRID Number	217817
10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota	

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 Co.

3. Address of Operator P.O. Box 2197, WL3-6081
Houston, Tx 77252

4. Well Location
Unit Letter C : 155 feet from the North line and 1760 feet from the West line
Section 36 Township 29N Range 6W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6467

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: Change to Original APD

☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ConocoPhillips is requesting to change the cement calculations from the original APD. Attached is a copy of the revised cement calculations from Schlumberger.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Christina Gustartis

TITLE As Agent for ConocoPhillips Co

DATE 12/15/2004

Type or print name Christina Gustartis

E-mail address: christina.gustartis@conocophillips.com Telephone No. (832)486-2463

For State Use Only

APPROVED BY:

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 9

DATE

Conditions of Approval (if any):

DEC 16 2004

SLB

San Juan 29-6 # 107M**SURFACE CASING :**

Drill Bit Diameter	12.25"	
Casing Outside Diameter	9.625"	Casing Inside Diam. 9.001"
Casing Weight	32.3	ppf
Casing Grade	H-40	
Shoe Depth	230'	
Cement Yield	1.16	cuft/sk
Excess Cement	125	%
Cement Required	148	sx

SHOE 230', 9.625", 32.3 ppf, H-40 STC

INTERMEDIATE CASING :

Drill Bit Diameter	8.75"	
Casing Outside Diameter	7"	Casing Inside Diam. 6.456"
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3680'	
Lead Cement Yield	2.72	cuft/sk
Lead Cement Excess	150	%
Tail Cement Length	736	
Tail Cement Yield	1.31	cuft/sk
Tail Cement Excess	150	%
Lead Cement Required	390	sx
Tail Cement Required	218	sx

SHOE 3680', 7", 20 ppf, J-55 STC

PRODUCTION CASING :

Drill Bit Diameter	6.25"	
Casing Outside Diameter	4.5"	Casing Inside Diam. 4.000"
Casing Weight	11.6	ppf
Casing Grade	N-80	
Top of Cement	3480'	200' inside intermediate casing
Shoe Depth	7890'	
Cement Yield	1.44	cuft/sk
Cement Excess	50	%
Cement Required	463	sx

SHOE 7890', 4.5", 11.6 ppf, N-80 LTC

San Juan 29-6 # 107M			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.000
Depth	230	3680	7890
Hole Diam	12.25	8.75	6.25
% Excess Lead		150	
% Excess Tail	125	150	50
Lead Yield		2.72	
Tail Yield	1.16	1.31	1.45
Ft of Tail Slurry	230	736	4410
Top of Tail Slurry	0	2944	3480
Top of Lead Slurry	N/A	0	N/A
Mud Wt (ppg)	8.9	9.0	air drill
Mud Type	WBM	WBM	air drill

Surface Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	230	0.055804	2.25	27.2	153.0	131.9
Shoe Track Volume	42	0.078735	1	3.3	18.6	16.0
Total				30.6	171.5	147.9

Intermediate Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Lead Open Hole Annulus	2714	0.026775	2.5	181.7	1020.0	375.0
Lead Cased Hole Annulus	230	0.031104	1	7.2	40.2	14.8
Lead Total				188.8	1060.2	389.8
Tail Open Hole Annulus	736	0.026775	2.5	49.3	276.6	211.2
Tail Shoe Track Volume	42	0.04049	1	1.7	9.5	7.3
Tail Total				51.0	286.2	218.4

Production Casing						
	Ft	Cap	XS Factor	bbls	cuft	sx
Open Hole Annulus	4210	0.018275	1.5	115.4	648.0	446.9
Cased Hole Annulus	200	0.020818	1	4.2	23.4	16.1
Total				119.6	671.3	463.0

San Juan 29-6 # 107M		
9-5/8 Surface Casing		
Cement Recipe	Class G Standard Cement	
	+ 3% S001 Calcium Chloride	
	+0.25 lb/sx D029 Cellophane Flakes	
Cement Volume	148	sx
Cement Yield	1.16	cuft/sx
Cement Volume	171.5	cuft
Cement Density	15.8	ppg
Water Required	4.983	gal/sx
Compressive Strength		
Sample cured at 60 deg F for 8 hrs		
12 hrs	1174	psi
36 hrs	2763	psi

San Juan 29-6 # 107M

7" Intermediate Casing		
Lead Slurry		
Cement Recipe	Class G Standard Cement	
	+0.25 lb/sx D029 Cellophane Flakes	
	+ 3% D079 Extender	
	+ 0.20% D046 Antifoam	
	+ 10 lb/sx Pheno Seal	
Cement Required	390	sx
Cement Yield	2.72	cuft/sx
Slurry Volume	1060.2	cuft
	188.8	bbls
Cement Density	11.7	ppg
Water Required	15.74	gal/sx
Compressive Strength		
Sample cured at 140 deg F for 24 hrs		
2 hr 37 min	50	psi
39 hr 40 min	500	psi

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	50 / 50 POZ: Class G Standard Cement	
	+0.25 lb/sx D029 Cellophane Flakes	
	+ 2% D020 Bentonite	
	+ 1.5 lb/sx D024 Gilsonite Extender	
	+ 2% S001 Calcium Chloride	
	+ 0.10% D046 Antifoam	
	+ 6 lb/sx Pheno Seal	
Cement Required	218	sx
Cement Yield	1.31	cuft/sx
Slurry Volume	286.2	cuft
	51.0	bbls
Cement Density	13.5	ppg
Water Required	5.317	gal/sx
Compressive Strength		
Sample cured at 140 deg F for 24 hrs		
24 hr	908	psi
48 hr	1950	psi

San Juan 29-6 # 107M		
4-1/2" Production Casing		
Cement Recipe	50 / 50 POZ: Class G Standard Cement	
	+ 0.25 lb/sx D029 Cellophane Flakes	
	+ 3% D020 Bentonite	
	+ 1.0 lb/sx D024 Gilsonite Extender	
	+ 0.25% D167 Fluid Loss	
	+ 0.15% D065 Dispersant	
	+ 0.1% D800 Retarder	
	+ 0.1% D046 Antifoamer	
	+ 3.5 lb/sx PhenoSeal	
Cement Quantity	463	sx
Cement Yield	1.45	cuft/sx
Cement Volume	671.3	cuft
	119.6	
Cement Density	13	ppg
Water Required	6.47	gal/sx
Compressive Strength		
Sample cured at 200 deg F for 24 hrs		
6 hr 35 min	500	psi
24 hr	2373	psi