

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-039-29618

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
SAN JUAN 29-6 UNIT

8. Well Number 61B

9. OGRID Number 217817

10. Pool name or Wildcat
BLANCO MESAVERDE

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 6108
HOUSTON, TX 77252

4. Well Location

Unit Letter E : 2265 feet from the NORTH line and 700 feet from the WEST line

Section 19 Township 29N Range 6W NMPM County RIO ARRIBA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6242

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

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 requests approval to topset above the Fruitland Coal in this well to avoid massive losses like many other wells in recent months. Attached are the new cement calculations.

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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Deborah Marberry TITLE REGULATORY ANALYST DATE 03/28/2006

Type or print name DEBORAH MARBERRY
For State Use Only

E-mail address: deborah.marberry@conocophillips.com Telephone No. (832)486-2326

APPROVED BY: [Signature]

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 24 DATE APR 06 2006

Conditions of Approval (if any):

San Juan 29-6 #61B

APD Cement Calculations

HOLE: 13.5 "
CSG OD: 9.625 "
WG: 32.3 ppi
GRADE: H-40
EXCESS: 125 %
DEPTH: 2251'

SURFACE:

Option 1
222 sx
46.2 bbls
259.5 cuft
1.17 ft³/sx
15.8 ppg
4.973 gal/sx
Class G Cement
+ 3% S001 Calcium Chloride
+ 0.25 lb/sx D029 Cellophane Flakes
Comp. Strength
6 hrs 250 psi
8 hrs 500 psi

Option 2

214 sx
46.2 bbls
259.5 cuft
1.21 ft³/sx
15.8 ppg
5.29 gal/sx
Standard Cement
+ 3% Calcium Chloride
+ 0.25 lb/sx Flocote
Comp. Strength
6 hrs 250 psi
8 hrs 500 psi

HOLE: 8.75 "
CSG OD: 6.456 "
WG: 7 "
GRADE: 20 ppi
EXCESS: 150 %
TAIL: 573'
DEPTH: 2885'

INTERMEDIATE LEAD:

Option 1
299 sx
145.1 bbls
814.4 cuft
2.72 ft³/sx
11.7 ppg
15.74 gal/sx
Class G Cement
+ 3% D079 Extender
+ 0.20% D046 Antifoam
+ 10 lb/sx Phenoseal
Comp. Strength
9 hrs 300 psi
48 hrs 525 psi

Option 2

313 sx
145.1 bbls
814.4 cuft
2.60 ft³/sx
11.5 ppg
14.82 gal/sx
Type III Asphgrove Cement
+ 30 lb/sx San Juan Poz
+ 3% Bentonite
+ 5.0 lb/sx Phenoseal
Comp. Strength
1.47 hrs 50 psi
12 hrs 350 psi
24 hrs 450 psi

Option 3

310 sx
145.1 bbls
814.4 cuft
2.63 ft³/sx
11.7 ppg
15.92 gal/sx
Class G Cement
+ 3% D079 Extender
+ 0.20% D046 Antifoam
+ 1.0 lb/bbl CemNet
Comp. Strength
3 hrs 100 psi
24 hrs 443 psi

HOLE: 6.25 "
CSG OD: 4.5 "
WG: 4.052 "
GRADE: J-55
EXCESS: 50 %
DEPTH: 5625'

PRODUCTION:

Option 1
311 sx
79.9 bbls
448.3 cuft
1.44 ft³/sx
13.0 ppg
6.47 gal/sx
50/50 Poz. Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes
+ 3% D020 Bentonite
+ 1.0 lb/sx D024 Gilsontite Extender
+ 0.25% D167 Fluid Loss
+ 0.25% D065 Dispersant
+ 0.1% D800 Retarder
+ 0.1% D046 Antifoamer
+ 3.5 lb/sx Phenoseal
Comp. Strength
7 hrs 500 psi
24 hrs 2100 psi

Option 2

309 sx
79.9 bbls
448.3 cuft
1.45 ft³/sx
13.1 ppg
6.55 gal/sx
50/50 Poz. Standard Cement
+ 3% Bentonite
+ 0.2% CFR-3 Friction Reducer
+ 0.1% HR-5 Retarder
+ 0.8% Hald-9 Fluid Loss Additive
+ 3.5 lb/sx Phenoseal
Comp. Strength
9.32 hrs 50 psi
12 hrs 500 psi
13.29 hrs 1026 psi
24 hrs 2300 psi

INTERMEDIATE TAIL:

Option 1
172 sx
40.1 bbls
225.0 cuft
1.31 ft³/sx
13.5 ppg
5.317 gal/sx
50/50 Poz. Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes
+ 3% S001 Calcium Chloride
+ 2% D020 Bentonite
+ 1.5 lb/sx D024 Gilsontite Extender
+ 0.1% D046 Antifoamer
+ 6 lb/sx Phenoseal
Comp. Strength
3.53 hrs 500 psi
8.22 hrs 1000 psi
24 hrs 3170 psi
48 hrs 5399 psi

Option 2

169 sx
40.1 bbls
225.0 cuft
1.33 ft³/sx
13.5 ppg
5.52 gal/sx
50/50 Poz. Standard Cement
+ 2% Bentonite
+ 6.0 lb/sx Phenoseal
Comp. Strength
2.05 hrs 50 psi
4.06 hrs 500 psi
12 hrs 1250 psi
24 hrs 1819 psi

Option 3

176 sx
40.1 bbls
225.0 cuft
1.28 ft³/sx
13.5 ppg
5.255 gal/sx
50/50 Poz. Class G Cement
+ 2% D020 Bentonite
+ 5.0 lb/sx D024 Gilsontite Extender
+ 2% S001 Calcium Chloride
+ 0.1% D046 Antifoamer
+ 0.15% D065 Dispersant
+ 1.0 lb/bbl CemNet
Comp. Strength
24 hrs 1850 psi
48 hrs 3411 psi

San Juan 29-6 #61B

HOLE: 13.5 "

CSG OD: 9.625 "

CSG ID: 9.001 "

WGT: 32.3 ppf

GRADE: H-40

EXCESS: 125 %

DEPTH: 238'

SURFACE:

INTERMEDIATE LEAD:

Option 4

283 sx

145.1 bbl/s

814.4 cuft

2.88 ft³/sx

11.5 ppq

16.85 gal/sx

Standard Cement
+ 3% Econolite (Extender)
+ 10 lb/sx Phenoseal

Comp. Strength
1:47 50 psi
12 hrs 350 psi
24 hrs 450 psi

Option 5

388 sx

145.1 bbl/s

814.4 cuft

2.10 ft³/sx

11.7 ppq

11.724 gal/sx

75% Type XI / 25% Class G Cement
+ 0.25 lb/sx D029 Cellulophane Flakes
+ 3% D079 Extender
+ 0.20% D046 Antifoam

Comp. Strength
10:56 500 psi
42 hrs 1012 psi

TAIL: 573'

DEPTH: 2865'

INTERMEDIATE TAIL:

HOLE: 6.25 "

CSG OD: 4.5 "

CSG ID: 4.052 "

WGT: 10.5 ppf

GRADE: J-55

EXCESS: 50 %

DEPTH: 5623'

PRODUCTION:

San Juan 29-6 #31B			
Cementing Data			
	Surf. Csg	Int. Csg	Prod. Csg
OD	9.625	7	4.5
ID	9.001	6.456	4.052
Depth	235	2865	5625
Hole Diam	13.5	8.75	6.25
Drill Floor Height	16	16	16
% Excess Lead		150	
% Excess Tail	125	150	50
Ft of Tail Slurry		573	2960
Ft of Tail Slurry	235	2292	2665
Ft of Lead Slurry	0	0	
Mud Wt (ppg)	8.9	9.0	air dril
Mud Type	WBM	WBM	air dril

Surface Casing - OPTION 1						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sq
Open Hole Annulus	219	0.087083941	2.25	42.9	240.9	205.9
Shoe Track Volume	42	0.078734695	1	3.3	18.6	15.9
Total				46.2	259.5	221.8

Surface Casing - OPTION 2						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sq
Open Hole Annulus	219	0.087083941	2.25	42.9	240.9	199.1
Shoe Track Volume	42	0.078734695	1	3.3	18.6	15.3
Total				46.2	259.5	214.4

Intermediate Lead - OPTION 1						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sq
Open Hole Annulus	2057	0.026785714	2.5	137.7	773.4	284.3
Cased Hole Annulus	235	0.031115647	1	7.3	41.1	15.1
Total				145	814.5	299.4

Intermediate Lead - OPTION 2						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sq
Open Hole Annulus	2057	0.026785714	2.5	137.7	773.4	297.5
Cased Hole Annulus	235	0.031115647	1	7.3	41.1	15.8
Total				145	814.5	313.3

Intermediate Lead - OPTION 3						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sq
Open Hole Annulus	2057	0.026785714	2.5	137.7	773.4	294.1
Cased Hole Annulus	235	0.031115647	1	7.3	41.1	15.6
Total				145	814.5	309.7

Intermediate Lead - OPTION 4						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sq
Open Hole Annulus	2057	0.026785714	2.5	137.7	773.4	268.5

Cased Hole Annulus	235	0.031115647	1	7.3	41.1	14.3
Total					814.4	282.8

Intermediate Lead - OPTION 5						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sx
Open Hole Annulus	2057	0.026785714	2.5	137.7	773.4	368.3
Cased Hole Annulus	235	0.031115647	1	7.3	41.1	19.5
Total				145.1	814.4	387.8

Intermediate Tail - OPTION 1						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sx
Open Hole Annulus	573	0.026785714	2.5	38.4	215.4	164.5
Shoe Track Volume	42	0.040505283	1	1.7	9.6	7.3
Total				40.1	225.0	171.7

Intermediate Tail - OPTION 2						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sx
Open Hole Annulus	573	0.026785714	2.5	38.4	215.4	162.0
Shoe Track Volume	42	0.040505283	1	1.7	9.6	7.2
Total				40.1	225.0	169.2

Intermediate Tail - OPTION 3						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sx
Open Hole Annulus	573	0.026785714	2.5	38.4	215.4	168.3
Shoe Track Volume	42	0.040505283	1	1.7	9.6	7.5
Total				40.1	225.0	

Production Casing - OPTION 1						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sx
Open Hole Annulus	2760	0.018282313	1.5	75.7	425.0	295.1
Cased Hole Annulus	200	0.020825983	1	4.2	23.4	16.2
Total				79.9	448.3	311.3

Production Casing - OPTION 2						
	Ft	Cap (bbl/ft)	XS Factor	bbls	cuft	sx
Open Hole Annulus	2760	0.018282313	1.5	75.7	425.0	293.1
Cased Hole Annulus	200	0.020825983	1	4.2	23.4	16.1
Total				79.9	448.3	309.2