

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

2006 MAY 16 PM 1 40

Sundry Notices and Reports on Wells

RECEIVED

C/O FARMINGTON

1. Type of Well
GAS

2. Name of Operator
ConocoPhillips

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Surface Location – Unit K (NESW), 2480' FSL & 1940' FWL, Ssec. 34, T31N, R6W, NMPM

BH Location – Unit F (SENW), 1900' FNL & 2300' FWL, Section 34, T31N, R6W, NMPM

5. Lease Number
NMSF-078999
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. San Juan 31-6 Unit
Well Name & Number
9. SJ 31-6 Unit #219A
API Well No.
30-039- 29483
10. Field and Pool
Basin Fruitland Coal
11. County and State
Rio Arriba Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☒ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

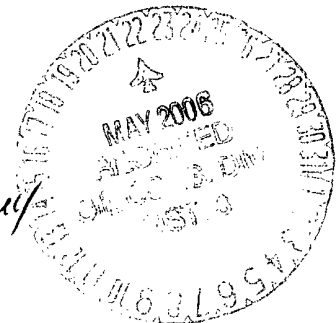
☐ Conversion to Injection

☒ Other – New Ops Plan

13. Describe Proposed or Completed Operations

ConocoPhillips wishes to change the subject well Operations Plan to deepen subject well to a new depth of 3574' for rat hole/ sump. The well will also be cased and frac'd per the project proposal attached. A mudlogger will be present to insure Pictured Cliffs gas isn't encountered.

HOLD C104 FOR directional survey



14. I hereby certify that the foregoing is true and correct.

Signed Patsy Clugston Title Sr. Regulatory Specialist Date 5/15/06

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Petr. Eng. Date 5/18/06

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCED

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 219A

Lease:		AFE #: WAN.CBM.6120		AFE \$:	
Field Name: 31-6	Rig: 320-2419	State: NM	County: RIO ARRIBA	API #:	
Geoscientist: Wentz, Robert M.	Phone: 832-486-2056	Prod. Engineer: Bergman, Pat W.	Phone: (832) 486-2358		
Res. Engineer: Stasney, Janet F.	Phone: +832 486-2359	Proj. Field Lead:	Phone:		

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Deviated	
Latitude: 36.855650	Longitude: -107.451990	X:	Y:	Section: 34	Range: 6W
Footage X: 1940 FWL	Footage Y: 2480 FSL	Elevation: 6518	(FT)	Township: 31N	
Tolerance:					

Location: Bottom Hole		Datum Code: NAD 27		Deviated	
Latitude: 36.858125	Longitude: -107.450794	X:	Y:	Section: 34	Range: 6W
Footage X: 2300 FWL	Footage Y: 1900 FNL	Elevation:	(FT)	Township: 31N	
Tolerance:					

Location Type:	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6534 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	16	6518	☐			
Surface Casing	216	6318	☐			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	1464	5070	☐			
CJAM	2544	3990	☐			Possible water flows.
KRLD	2634	3900	☐			
FRLD	3074	3460	☐			Possible gas.
TOP COAL	3214	3320	☐			
BASE MAIN COAL	3364	3170	☐			
PC TONGUE	3474	3060	☐			
BASE LOWEST COAL	3484	3050	☐			
PCCF	3494	3040	☐			
Total Depth	3574	2960	☐			7 7/8" Hole. 5 1/2", 17 ppf, N-80, LTC Casing. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	31-6 #217	
Intermediate	31-6 #217A	
Intermediate	31-6 #211A	
Intermediate	31-6 #218	
Intermediate	31-6 #231	
Intermediate	31-6 #204A	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 219A

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Zones - Location revised to a direction well drilled in section 34 to a BHL = 1900' FNL and 2300' FWL of 31-6 section 34.
 The GL elevation = 6518' from survey plat and tops have been edited for a 6534' KB (16' RKB).
 This well will be a case & frac well with the TD designed 90' below base lowest coal.
 Drilling Mud Program:
 Surface: Spud Mud.
 Intermediate: Fresh water mud with bentonite and polymer as needed.
 Below intermediate: Air / mist drilling media with foamer, polymer, and corrosion inhibitor as needed.

General/Work Description - Provide funds to directionally drill and fracture stimulate the Fruitland Coal formation in the San Juan 31-6 #219A, with the surface located in the SW 1/4 and the bottom hole located in the NW 1/4 of Section 34, T31N, R6W, Basin Fruitland Coal Field, Rio Arriba County, New Mexico. The directional well was necessary to avoid drilling in the LaJara ACEC.

ConocoPhillips

ConocoPhillips
Field: Rio Arriba County, NM
Site: San Juan 31-6 #219A
Well: Well #219A
Wellpath: Original Hole
Plan: Plan #1



SITE DETAILS

San Juan 31-6 #219A
 Sec. 34 T31N R6W
 Rio Arriba County

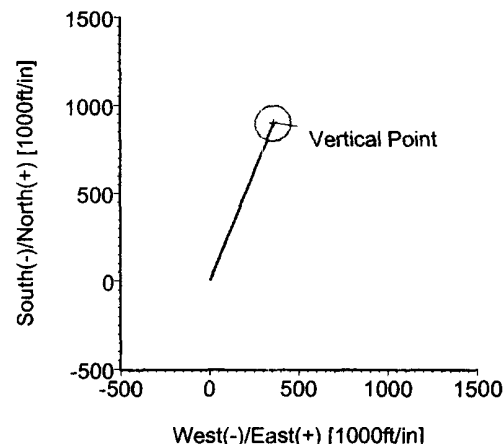
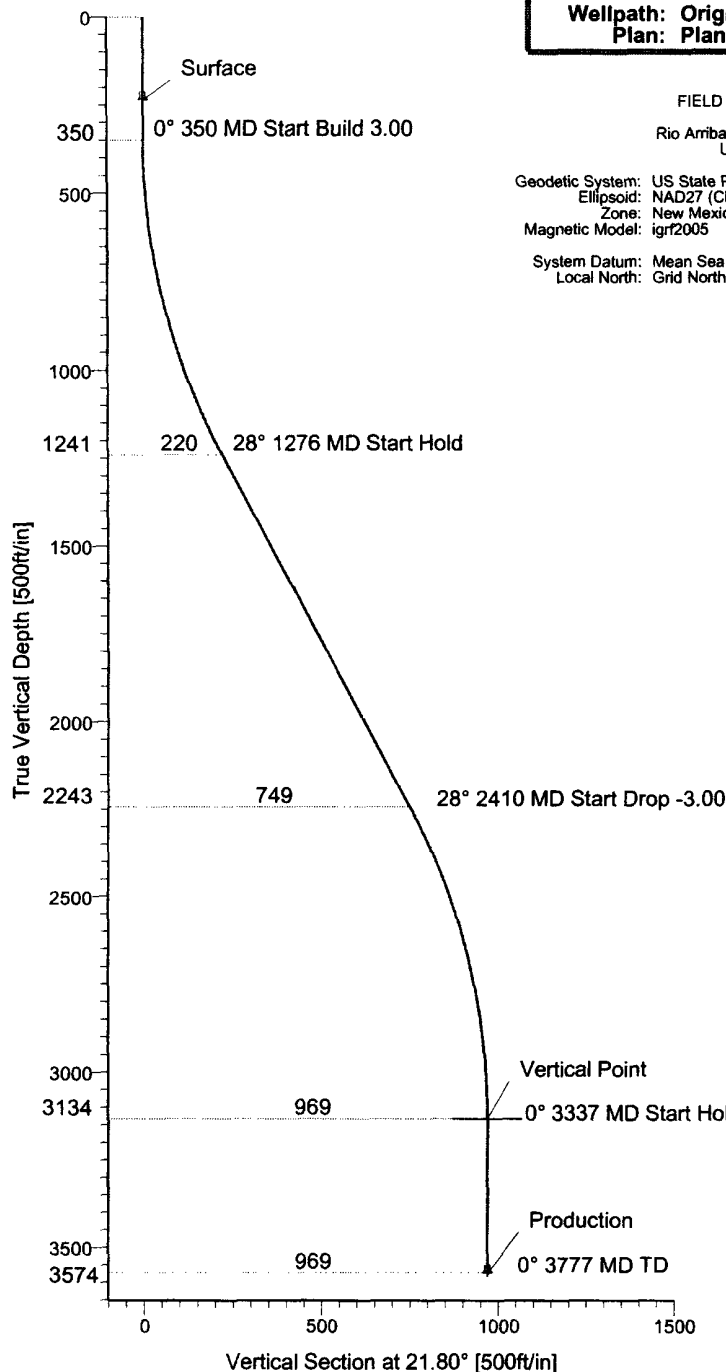
Water Depth: 0.00
 Positional Uncertainty: 0.00
 Convergence: 0.00

FIELD DETAILS

Rio Arriba County, NM
 USA

Geodetic System: US State Plane Coordinate System 1927
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Western Zone
 Magnetic Model: igr2005

System Datum: Mean Sea Level
 Local North: Grid North



WELLPATH DETAILS

Rig: Ref. Datum:	SITE		
	Origin +N/-S	Origin +E/-W	Starting From TVD
V. Section Angle			
21.80°	0.00	0.00	0.00

CASING DETAILS

No.	TVD	MD	Name	Size
1	235.00	235.00	Surface	9.625
2	3574.00	3776.62	Production	5.500

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3134.00	900.00	360.00	Point
PBHL	3574.00	900.00	360.00	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	21.80	0.00	0.00	0.00	0.00	0.00	0.00	
2	350.00	0.00	21.80	350.00	0.00	0.00	0.00	0.00	0.00	
3	1276.50	27.79	21.80	1240.58	204.59	81.84	3.00	21.80	220.35	
4	2410.13	27.79	21.80	2243.42	695.41	278.16	0.00	0.00	748.98	
5	3336.62	0.00	21.80	3134.00	900.00	360.00	3.00	180.00	969.33	Vertical Point
6	3776.62	0.00	21.80	3574.00	900.00	360.00	0.00	21.80	969.33	PBHL

Ryan Energy Technology
 19510 Oil Center Blvd
 Houston, TX 77073
 Ph: 281-443-1414
 Fx: 281-443-1676



Plan: Plan #1 (Well #219A/Original Hole)
 Created By: Troy L. Stoute Date: 5/1/2006
 Checked: Date:
 Reviewed: Date:
 Approved: Date:

HOLE: 12.25 "
CSG OD: 9.625 "
CSG ID: 9.001 "
WGT: 32.3 ppf
GRADE: H-40
EXCESS: 125 %
DEPTH: 235'

SURFACE:

Option 1
148 sx
30.8 bbls
172.9 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

143 sx
30.8 bbls
172.9 cuft
1.21 ft³/sx
15.6 ppg
5.29 gal/sx
Standard Cement
+ 3% Calcium Chloride
+ 0.25 lb/sx Flocele

Comp. Strength
6 hrs 250 psi
8 hrs 500 psi

PRODUCTION LEAD:

Option 1
468 sx
226.7 bbls
1272.5 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

489 sx
226.7 bbls
1272.5 cuft
2.60 ft³/sx
11.5 ppg
14.62 gal/sx
Type III Ashgrove 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

484 sx
226.7 bbls
1272.5 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: 7.875 "
CSG OD: 5.5 "
CSG ID: 4.892 "
WGT: 17 ppf
GRADE: N-80
EXCESS: 150 %
TAIL: 755'

DEPTH: 3777'

PRODUCTION TAIL:

Option 1
254 sx
59.3 bbls
332.8 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 Gilsomite Extender
+ 0.1% D046 Antifoamer
+ 6 lb/sx Phenoseal

Comp. Strength
3:53 500 psi
8:22 1000 psi
24 hrs 3170 psi
48 hrs 5399 psi

Option 2

250 sx
59.3 bbls
332.8 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 50 psi
4:06 500 psi
12 hrs 1250 psi
24 hrs 1819 psi

Option 3

260 sx
59.3 bbls
332.8 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 Gilsomite 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 31-6 #219A

HOLE: 12.25 "
CSG OD: 9.625 "
CSG ID: 9.001 "
WGT: 32.3 ppf
GRADE: H-40
EXCESS: 125 %
DEPTH: 235'

SURFACE:

INTERMEDIATE LEAD:

Option 4

442 sx
226.7 bbls
1272.5 cuft
2.88 ft³/sx
11.5 ppg
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

HOLE: 7.875 "
CSG OD: 5.5 "
CSG ID: 4.892 "
WGT: 17 ppf
GRADE: N-80
EXCESS: 150 %

TAIL: 755'
DEPTH: 377'

Option 5

606 sx
226.7 bbls
1272.5 cuft
2.10 ft³/sx
11.7 ppg
11.724 gal/sx
75% Type XI / 25% Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes
+ 3% D079 Extender
+ 0.20% D046 Antifoam

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