

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

RECEIVED

MAY 12 2011

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

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: Unit D (NW/NW), 705' FNL & 495' FWL, Section 23, T30N, R6W, NMPM

Bottom: Unit C (NE/NW), 1080' FNL & 1790' FWL, Section 23, T30N, R6W, NMPM

5. Farmington Field Office
Ease Number
SF-078741

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
SAN JUAN 30-6 UNIT

8. Well Name & Number
SAN JUAN 30-6 UNIT 11M

9. API Well No.
30-039-30990

10. Field and Pool
BLANCO MV / BASIN DK

11. County and State
Rio Arriba, NM

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

Type of Submission	Type of Action			
☒ Notice of Intent	☐ Abandonment	☒ Change of Plans	☐ Other -	
☐ Subsequent Report	☐ Recompletion	☐ New Construction		
☐ Final Abandonment	☐ Plugging	☐ Non-Routine Fracturing		
	☐ Casing Repair	☐ Water Shut off		
	☐ Altering Casing	☐ Conversion to Injection		

13. Describe Proposed or Completed Operations

Burlington Resources requests permission to deepen the intermediate casing point from the APD approved casing point of 3552' (TVD) to 3800' (TVD). This change reduces the inclination of the tangent section to reach the bottom hole location. The lesser inclination will reduce torque and drag while drilling and running casing. The updated directional plan, plot and project proposal are attached.

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

Signed Marie E. Jaramillo

Title: Staff Regulatory Technician

Date 05/09/11

(This space for Federal or State Office use)

APPROVED BY Troy L. Salvors

Title Petroleum Engineer

Date 5-16-2011

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.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NMOCD

TL

ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

San Juan 30 Wells

SJ 30-6 #11M

Principal Wellbore

API # 3603930990

Plan: Plan #1

Standard Planning Report

03 May, 2011

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #11M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6455.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6455.0ft (AWS 730)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #11M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project	San Juan Basin - New Mexico West Wells - New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	San Juan 30 Wells		
Site Position:		Northing:	2,102,764.35 ft
From:	Lat/Long	Easting:	577,489.48 ft
Position Uncertainty:	15.0 ft	Slot Radius:	"
		Latitude:	36° 46' 42.851 N
		Longitude:	107° 34' 7.456 W
		Grid Convergence:	0.16 °

Well	SJ 30-6 #11M, Directional "S" Curve, Lewis Included		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	3.5 ft	Wellhead Elevation:	ft
		Latitude:	36° 48' 12.252 N
		Longitude:	107° 26' 20.196 W
		Ground Level:	6,440.0 ft

Wellbore	Principal Wellbore		
Magnetics	Model Name	Sample Date	Declination
	BGGM2009	4/19/2010	9.89
			Dip Angle
			63.64
			Field Strength
			50,953

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	-1.0	0.0	0.0
			Direction
			(°)
			105.92

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,256.3	28.09	105.92	1,219.2	-61.7	216.3	3.00	3.00	0.00	105.92	
3,162.3	28.09	105.92	2,900.8	-307.8	1,079.3	0.00	0.00	0.00	0.00	
4,098.6	0.00	0.00	3,800.0	-369.5	1,295.6	3.00	-3.00	0.00	180.00	SJ 30-6 #11M - ICP
8,168.6	0.00	0.00	7,870.0	-369.5	1,295.6	0.00	0.00	0.00	0.00	SJ 30-6 #11M - PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #11M
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6455.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6455.0ft (AWS 730)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #11M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
Surf									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.40	105.92	400.0	-0.5	1.6	1.7	3.00	3.00	0.00
500.0	5.40	105.92	499.7	-2.3	8.2	8.5	3.00	3.00	0.00
600.0	8.40	105.92	599.0	-5.6	19.7	20.5	3.00	3.00	0.00
700.0	11.40	105.92	697.5	-10.3	36.2	37.7	3.00	3.00	0.00
800.0	14.40	105.92	795.0	-16.5	57.7	60.0	3.00	3.00	0.00
900.0	17.40	105.92	891.1	-24.0	84.0	87.4	3.00	3.00	0.00
1,000.0	20.40	105.92	985.7	-32.9	115.2	119.8	3.00	3.00	0.00
1,100.0	23.40	105.92	1,078.5	-43.1	151.1	157.1	3.00	3.00	0.00
1,169.8	25.49	105.92	1,142.0	-51.0	178.8	185.9	3.00	3.00	0.00
Nacimiento									
1,200.0	26.40	105.92	1,169.2	-54.6	191.5	199.2	3.00	3.00	0.00
1,256.3	28.09	105.92	1,219.2	-61.7	216.3	224.9	3.00	3.00	0.00
1,300.0	28.09	105.92	1,257.8	-67.3	236.1	245.5	0.00	0.00	0.00
1,400.0	28.09	105.92	1,346.0	-80.3	281.4	292.6	0.00	0.00	0.00
1,500.0	28.09	105.92	1,434.2	-93.2	326.7	339.7	0.00	0.00	0.00
1,600.0	28.09	105.92	1,522.5	-106.1	371.9	386.8	0.00	0.00	0.00
1,700.0	28.09	105.92	1,610.7	-119.0	417.2	433.9	0.00	0.00	0.00
1,800.0	28.09	105.92	1,698.9	-131.9	462.5	480.9	0.00	0.00	0.00
1,900.0	28.09	105.92	1,787.1	-144.8	507.8	528.0	0.00	0.00	0.00
2,000.0	28.09	105.92	1,875.4	-157.7	553.0	575.1	0.00	0.00	0.00
2,100.0	28.09	105.92	1,963.6	-170.6	598.3	622.2	0.00	0.00	0.00
2,200.0	28.09	105.92	2,051.8	-183.6	643.6	669.3	0.00	0.00	0.00
2,300.0	28.09	105.92	2,140.0	-196.5	688.9	716.3	0.00	0.00	0.00
2,400.0	28.09	105.92	2,228.2	-209.4	734.1	763.4	0.00	0.00	0.00
2,500.0	28.09	105.92	2,316.5	-222.3	779.4	810.5	0.00	0.00	0.00
2,600.0	28.09	105.92	2,404.7	-235.2	824.7	857.6	0.00	0.00	0.00
2,677.4	28.09	105.92	2,473.0	-245.2	859.8	894.0	0.00	0.00	0.00
Ojo Alamo									
2,700.0	28.09	105.92	2,492.9	-248.1	870.0	904.7	0.00	0.00	0.00
2,799.8	28.09	105.92	2,581.0	-261.0	915.2	951.7	0.00	0.00	0.00
Kirtland									
2,800.0	28.09	105.92	2,581.1	-261.0	915.3	951.8	0.00	0.00	0.00
2,900.0	28.09	105.92	2,669.4	-273.9	960.5	998.8	0.00	0.00	0.00
3,000.0	28.09	105.92	2,757.6	-286.9	1,005.8	1,045.9	0.00	0.00	0.00
3,100.0	28.09	105.92	2,845.8	-299.8	1,051.1	1,093.0	0.00	0.00	0.00
3,162.3	28.09	105.92	2,900.8	-307.8	1,079.3	1,122.3	0.00	0.00	0.00
3,171.6	27.81	105.92	2,909.0	-309.0	1,083.5	1,126.7	3.00	-3.00	0.00
Fruitland									
3,200.0	26.96	105.92	2,934.2	-312.6	1,096.0	1,139.8	3.00	-3.00	0.00
3,300.0	23.96	105.92	3,024.5	-324.4	1,137.4	1,182.7	3.00	-3.00	0.00
3,400.0	20.96	105.92	3,116.9	-334.9	1,174.1	1,220.9	3.00	-3.00	0.00
3,500.0	17.96	105.92	3,211.2	-344.0	1,206.1	1,254.2	3.00	-3.00	0.00
3,600.0	14.96	105.92	3,307.1	-351.8	1,233.4	1,282.6	3.00	-3.00	0.00
3,608.1	14.72	105.92	3,314.9	-352.3	1,235.4	1,284.6	3.00	-3.00	0.00
SJ 30-6 #11M - VACP									
3,649.5	13.47	105.92	3,355.0	-355.1	1,245.1	1,294.7	3.00	-3.00	0.00
Pictured Cliffs									

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #11M
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-6 #11M
TVD Reference: RKB @ 6455.0ft (AWS 730)
MD Reference: RKB @ 6455.0ft (AWS 730)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,700.0	11.96	105.92	3,404.3	-358.1	1,255.8	1,305.8	3.00	-3.00	0.00
3,747.6	10.53	105.92	3,451.0	-360.7	1,264.7	1,315.1	3.00	-3.00	0.00
Lewis									
3,800.0	8.96	105.92	3,502.6	-363.1	1,273.2	1,324.0	3.00	-3.00	0.00
3,900.0	5.96	105.92	3,601.8	-366.7	1,285.7	1,337.0	3.00	-3.00	0.00
4,000.0	2.96	105.92	3,701.5	-368.8	1,293.2	1,344.7	3.00	-3.00	0.00
4,098.6	0.00	0.00	3,800.0	-369.5	1,295.6	1,347.3	3.00	-3.00	0.00
Int. SJ 30-6 #11M - ICP									
4,100.0	0.00	0.00	3,801.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,200.0	0.00	0.00	3,901.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,300.0	0.00	0.00	4,001.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,363.6	0.00	0.00	4,065.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Huerfano Bentonite									
4,400.0	0.00	0.00	4,101.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,500.0	0.00	0.00	4,201.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,301.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,401.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,727.6	0.00	0.00	4,429.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Chacra									
4,800.0	0.00	0.00	4,501.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,601.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,701.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,100.0	0.00	0.00	4,801.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,200.0	0.00	0.00	4,901.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,259.6	0.00	0.00	4,961.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Upper Cliffhouse									
5,300.0	0.00	0.00	5,001.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,400.0	0.00	0.00	5,101.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,201.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,559.6	0.00	0.00	5,261.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Mass. Cliffhouse									
5,600.0	0.00	0.00	5,301.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,623.6	0.00	0.00	5,325.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Menefee									
5,700.0	0.00	0.00	5,401.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,501.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
5,892.6	0.00	0.00	5,594.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,601.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,701.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,100.0	0.00	0.00	5,801.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,200.0	0.00	0.00	5,901.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,273.6	0.00	0.00	5,975.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Mancos									
6,300.0	0.00	0.00	6,001.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,101.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,500.0	0.00	0.00	6,201.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,301.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,401.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,501.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,601.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,701.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,801.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #11M
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6455.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6455.0ft (AWS 730)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #11M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,151.6	0.00	0.00	6,853.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Upper Gallup									
7,200.0	0.00	0.00	6,901.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,001.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,101.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,201.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,301.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,401.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,501.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,857.6	0.00	0.00	7,559.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Greenhorn									
7,900.0	0.00	0.00	7,601.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
7,909.6	0.00	0.00	7,611.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Graneros									
8,000.0	0.00	0.00	7,701.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
8,011.6	0.00	0.00	7,713.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Two Wells									
8,023.6	0.00	0.00	7,725.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Paguete									
8,044.6	0.00	0.00	7,746.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Upper Cubero									
8,069.6	0.00	0.00	7,771.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Lower Cubero									
8,100.0	0.00	0.00	7,801.4	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
8,133.6	0.00	0.00	7,835.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Encinal									
8,168.6	0.00	0.00	7,870.0	-369.5	1,295.6	1,347.3	0.00	0.00	0.00
Prod - SJ 30-6 #11M - PCP									

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude
SJ 30-6 #11M - ICP	- plan hits target center	0.00	0.00	3,800.0	-369.5	1,295.6	2,111,571.76	616,761.00	36° 48' 8.598 N 107° 26' 4.266 W
- Circle (radius 100.0)									
SJ 30-6 #11M - PCP	- plan hits target center	0.00	0.00	7,870.0	-369.5	1,295.6	2,111,571.76	616,761.00	36° 48' 8.598 N 107° 26' 4.266 W
- Circle (radius 100.0)									
SJ 30-6 #11M - VACP	- plan misses target center by 64.6ft at 3608.1ft MD (3314.9 TVD, -352.3 N, 1235.4 E)	0.00	0.00	3,299.0	-369.5	1,295.6	2,111,571.76	616,761.00	36° 48' 8.598 N 107° 26' 4.266 W
- Circle (radius 100.0)									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #11M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6455.0ft (AWS 730)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6455.0ft (AWS 730)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #11M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	Surf	9-5/8	12-1/4
4,098.6	3,800.0	Int	7	8-3/4
8,168.6	7,870.0	Prod	4-1/2	6-1/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,069.6	7,771.0	Lower Cubero		0.00		
3,747.6	3,451.0	Lewis		0.00		
5,559.6	5,261.0	Mass. Cliffhouse		0.00		
5,892.6	5,594.0	Point Lookout		0.00		
7,857.6	7,559.0	Greenhorn		0.00		
5,623.6	5,325.0	Menefee		0.00		
5,259.6	4,961.0	Upper Cliffhouse		0.00		
2,799.8	2,581.0	Kirtland		0.00		
8,133.6	7,835.0	Encinal		0.00		
4,727.6	4,429.0	Chacra		0.00		
3,649.5	3,355.0	Pictured Cliffs		0.00		
8,011.6	7,713.0	Two Wells		0.00		
7,909.6	7,611.0	Graneros		0.00		
3,171.6	2,909.0	Fruitland		0.00		
2,677.4	2,473.0	Ojo Alamo		0.00		
6,273.6	5,975.0	Mancos		0.00		
8,044.6	7,746.0	Upper Cubero		0.00		
8,023.6	7,725.0	Paguate		0.00		
7,151.6	6,853.0	Upper Gallup		0.00		
4,363.6	4,065.0	Huerfanito Bentonite		0.00		
1,169.8	1,142.0	Nacimiento		0.00		

REFERENCE INFORMATION

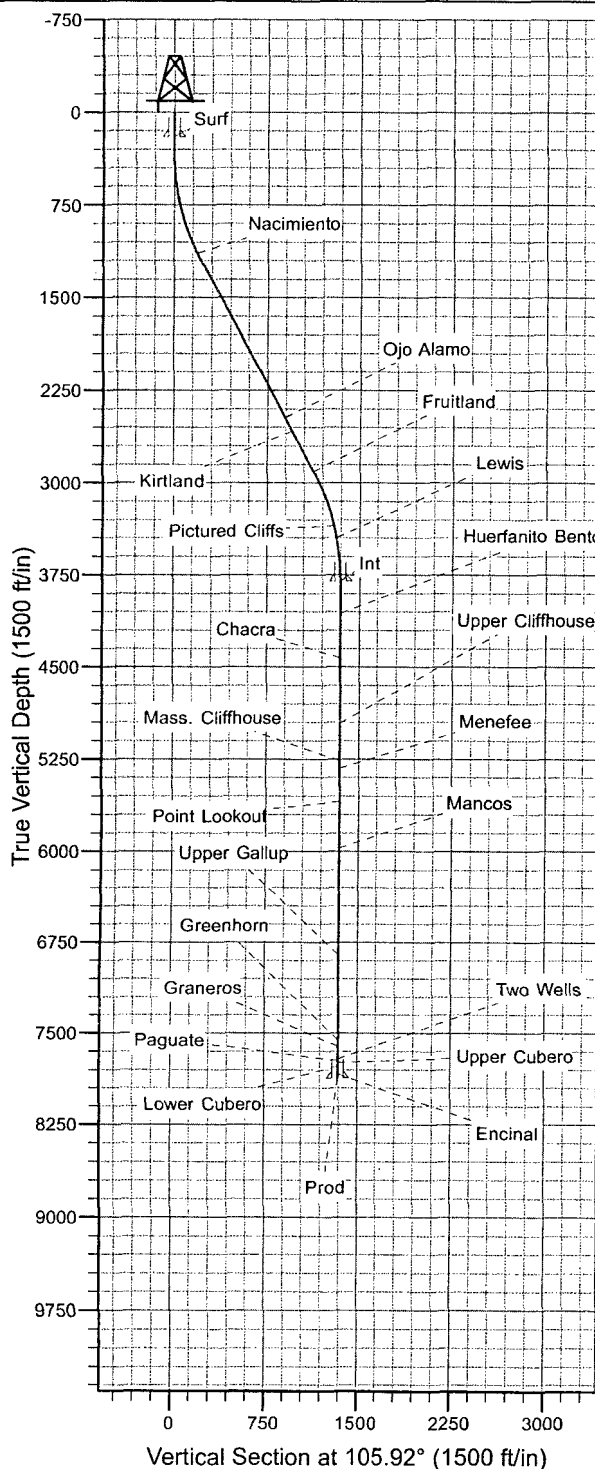
RKB @ 6455.0ft (AWS 730)
Ground Elevation 6440.0
Reference Lat: 36° 48' 12.252 N
Reference Long: 107° 26' 20.196 W

Project: San Juan Basin - New Mexico West V
Site: San Juan 30 Wells
Well: SJ 30-6 #11M
Wellbore: Principal Wellbore
Design: Plan #1 *W1 #30039 30990*

ConocoPhillips

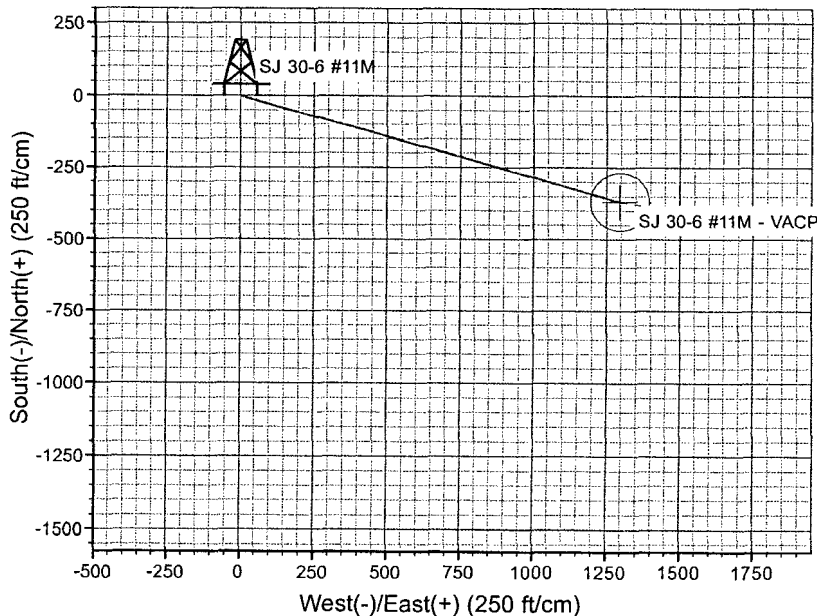
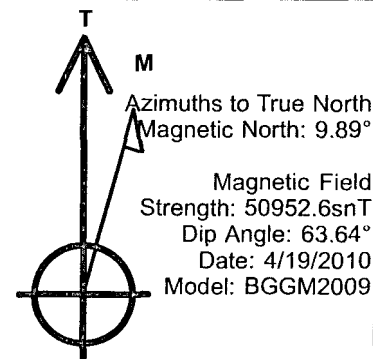
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1256.3	28.09	105.92	1219.2	-61.7	216.3	3.00	105.92	224.9	
4	3162.3	28.09	105.92	2900.8	-307.8	1079.3	0.00	0.00	1122.3	
5	4098.6	0.00	0.00	3800.0	-369.5	1295.6	3.00	180.00	1347.3	SJ 30-6 #11M - ICP
6	8168.6	0.00	0.00	7870.0	-369.5	1295.6	0.00	0.00	1347.3	SJ 30-6 #11M - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1142.0	1169.8	Nacimiento
2473.0	2677.4	Ojo Alamo
2581.0	2799.8	Kirtland
2909.0	3171.6	Fruitland
3355.0	3649.5	Pictured Cliffs
3451.0	3747.6	Lewis
4065.0	4363.6	Huerfano Bentonite
4429.0	4727.6	Chacra
4961.0	5259.6	Upper Cliffhouse
5261.0	5559.6	Mass. Cliffhouse
5325.0	5623.6	Menefee
5594.0	5892.6	Point Lookout
5975.0	6273.6	Mancos
6853.0	7151.6	Upper Gallup
7559.0	7857.6	Greenhorn
7611.0	7909.6	Graneros
7713.0	8011.6	Two Wells
7725.0	8023.6	Paguate
7746.0	8044.6	Upper Cubero
7771.0	8069.6	Lower Cubero
7835.0	8133.6	Encinal



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 11M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9363				AFE \$: 978,476.33	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA	API #: 3003930990	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.803404	Longitude: -107.438943	X:	Y:	Section: 23		Range: 006W	
Footage X: 495 FWL	Footage Y: 705 FNL	Elevation: 6440	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.802388	Longitude: -107.434518	X:	Y:	Section: 23		Range: 006W	
Footage X: 1790 FWL	Footage Y: 1080 FNL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6455		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6255		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1143	5312		☐			
OJO ALAMO	2473	3982		☐			
KIRTLAND	2581	3874		☐			
FRUITLAND	2909	3546		☐			Possible Gas
PICTURED CLIFFS	3355	3100		☐			
LEWIS	3451	3004		☐			
Intermediate Casing	3800	2655		☐	125		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 923 cuft. Circulate cement to surface. ✓
HUERFANITO BENTONITE	4065	2390		☐			
CHACRA	4429	2026		☐			Est. Top Perf - 4431 (2024)
UPPER CLIFF HOUSE	4961	1494		☐			Gas; Cliffhouse is dry
MASSIVE CLIFF HOUSE	5261	1194		☐	394		Gas
MENEFEE	5325	1130		☐			
POINT LOOKOUT	5594	861		☐			
MANCOS	5975	480		☐			
UPPER GALLUP	6853	-398		☐			
GREENHORN	7559	-1104		☐			
GRANEROS	7611	-1156		☐			
TWO WELLS	7713	-1258		☐	3299		Gas
PAGUATE	7725	-1270		☐			
UPPER CUBERO	7746	-1291		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 11M

DEVELOPMENT

LOWER CUBERO	7771	-1316	☐	
ENCINAL	7835	-1380	☐	TD - 35' below T/ENCN
Total Depth	7870	-1415	☐	224 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 555 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 30-6 11A	30N 6W 23 NW NW NW
Production	SJ 30-6 42B	30N 6W 14 NW NW SW
Production	SJ 30-6 126	30N 6W 15 NW SE SE

Logging Program:

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MV/DKNM030N006W23NW2 Avoid D - SJ 30-6 Unit 11A (MV/DK) is located there. Prefer a BHL in C, F, E. Topo is rough.

Zones - MV/DKNM030N006W23NW2

General/Work Description - 12-2-10 (JGV) Allocation type:Compositional Approved Unit (as of 12/1/2010):YES DK needed:yes MV needed:yes

04/19/2010 - The H2S Contingency Plan will not be submitted. The 30-6 section 23 area does not show any wells with H2S gas concentrations above 3 ppm.

04/19/2010.-Drilling Cost Estimate: Base Line of \$124.56/ft for 1347-ft step out; severe losses are expected while drilling (mud cost up by 55 K\$), Two stage cement job included (cement cost up by 10K\$), intermediate casing set at 100-ft TVD below Lewis and 4 1/2" 11.6#/ft L-80 LTC will be run as production string. Distance to nearest well 70-ft San Juan 30-6 Unit #11A (DK - Graneros / Aug - 1998) , Lewis included. Not estimated for Close Loop. Estimated days 13. Cost dropped due to 3.85% casing reduction & performance improvement in the area to \$ 119.28/ft. NS.

LEWIS INCLUDED

8/12/09: Economic as directional with additional \$400M (total cap \$1943M). ROR 33.4% & NPV \$937.1M.--TLJ