

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 03 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK ^{Farmington Field Office}
^{Bureau of Land Management}

1a. Type of Work DRILL	5. Lease Number USA SF-078919 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name <i>OK-NMNM-78417B</i> San Juan 29-7 Unit <i>MV-NMNM-78417A</i>	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name <i>RCVD OCT 17 '11</i> <i>OIL CONS. DIV.</i> <i>DIST. 3</i>	
4. Location of Well Surface: Unit O (SWSE), 775' FSL & 1535' FEL BHL : Unit I (NESE), 1920' FSL & 500' FEL Surface: Latitude: 36.74962° N (NAD83) Longitude: 107.57253° W BHL : Latitude: 36.75275° N (NAD83) Longitude: 107.56900° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 4, T29N, R7W API# 30-039 <i>31080</i>	
14. Distance in Miles from Nearest Town 17 miles from Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 500'		
16. Acres in Lease 720.000	 H₂S POTENTIAL EXIST	
17. Acres Assigned to Well 317.38 (E/2)		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 346' from SJ 29-7 Unit 157 (PC)		
19. Proposed Depth 7553'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6209' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Arleen Kellywood</i> Arleen Kellywood (Staff Regulatory Tech)	8/2/11 Date	

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO.

APPROVAL DATE

APPROVED BY *DJ Montecor*

TITLE *AFM*

DATE *10/12/11*

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

OCT 25 2011
BLM'S APPROVAL OR ACCEPTANCE OF THIS
DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ONE DEPARTMENT

for Directional Survey
and "As Drilled" plat

pc

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 82M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7164				AFE \$:	
Field Name: SAN JUAN 29-7 UNIT		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		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: 36.749614	Longitude: -107.571922	X:	Y:	Section: 04		Range: 007W	
Footage X: 1535 FEL	Footage Y: 775 FSL	Elevation: 6209	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole Datum: Code: NAD 27 Directional							
Latitude: 36.752744	Longitude: -107.568392	X:	Y:	Section: 04		Range: 007W	
Footage X: 500 FEL	Footage Y: 1920 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6225 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	230	5995		☐			12-1/4 hole. 230' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	680	5545		☐			
OJO ALAMO	2143	4082		☐			
KIRTLAND	2260	3965		☐			
FRUITLAND	2797	3428		☐			Possible Gas
PICTURED CLIFFS	3058	3167		☐			
LEWIS	3200	3025		☐			
HUERFANITO BENTONITE	3800	2425		☐			
Intermediate Casing	3900	2325		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 963 cuft. Circulate cement to surface.
CHACRA	4080	2145		☐			
MASSIVE CLIFF HOUSE	4820	1405		☐	475		Gas
MENEFEE	4907	1318		☐			
MASSIVE POINT LOOKOUT	5280	945		☐			
MANCOS	5665	560		☐			
UPPER GALLUP	6514	-289		☐			
GREENHORN	7241	-1016		☐			
GRANEROS	7295	-1070		☐			
TWO WELLS	7358	-1133		☐	2325		Gas
UPPER CUBERO	7456	-1231		☐			
LOWER CUBERO	7483	-1258		☐			
ENCINAL	7553	-1328		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 82M

DEVELOPMENT

TOTAL DEPTH DK	7553	-1328	☐	6-1/4" Hole. 4-1/2", 11.6 ppf, J-55 LTC casing. Cement with 499 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR/CBL. Est bottom perf ~15' above TD. Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD.	

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6225.0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6225.0ft (H&P RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Project	San Juan Basin - New Mexico 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 29 Wells					
Site Position:		Northing:	2,094,594.32 ft	Latitude:	36° 45' 21.930 N
From:	Lat/Long	Easting:	582,092.15 ft	Longitude:	107° 33' 11.172 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.17 °

Well:	SJ 29-7 #82M, Directional "S" Curve Long, Lewis Included					
Well Position	+N/-S	0.0 ft	Northing:	2,092,223.99 ft	Latitude:	36° 44' 58.654 N
	+E/-W	0.0 ft	Easting:	576,229.45 ft	Longitude:	107° 34' 23.297 W
Position Uncertainty		3.5 ft	Wellhead Elevation:	ft	Ground Level:	6,209.0 ft

Wellbore:	Principal Wellbore				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2010	8/24/2010	9.91	63.56	50,849

Design:	Plan #1			
Audit Notes:				
Version:	1	Phase:	PROTOTYPE	Tie On Depth: 0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0 0	0 0	42.23

Plan Sections:										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(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	
1,374.6	31.64	42.23	1,321.9	210.2	190.8	3.00	3.00	0.00	42.23	
3,226.1	31.64	42.23	2,898.1	929.4	843.5	0.00	0.00	0.00	0.00	
4,280.8	0.00	0.00	3,900.0	1,139.6	1,034.3	3.00	-3.00	0.00	180.00	SJ 29-7 #82M - ICP
7,933.8	0.00	0.00	7,553.0	1,139.6	1,034.3	0.00	0.00	0.00	0.00	SJ 29-7 #82M - PCP

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6225.0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6225.0ft (H&P RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	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
230.0	0.00	0.00	230.0	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	42.23	400.0	1.2	1.1	1.7	3.00	3.00	0.00
500.0	5.40	42.23	499.7	6.3	5.7	8.5	3.00	3.00	0.00
600.0	8.40	42.23	599.0	15.2	13.8	20.5	3.00	3.00	0.00
682.2	10.86	42.23	680.0	25.4	23.0	34.2	3.00	3.00	0.00
Nacimiento									
700.0	11.40	42.23	697.5	27.9	25.3	37.7	3.00	3.00	0.00
800.0	14.40	42.23	795.0	44.4	40.3	60.0	3.00	3.00	0.00
900.0	17.40	42.23	891.1	64.7	58.7	87.4	3.00	3.00	0.00
1,000.0	20.40	42.23	985.7	88.7	80.5	119.8	3.00	3.00	0.00
1,100.0	23.40	42.23	1,078.5	116.3	105.6	157.1	3.00	3.00	0.00
1,200.0	26.40	42.23	1,169.2	147.5	133.9	199.2	3.00	3.00	0.00
1,300.0	29.40	42.23	1,257.6	182.1	165.3	246.0	3.00	3.00	0.00
1,374.6	31.64	42.23	1,321.9	210.2	190.8	283.9	3.00	3.00	0.00
1,400.0	31.64	42.23	1,343.4	220.0	199.7	297.2	0.00	0.00	0.00
1,500.0	31.64	42.23	1,428.6	258.9	235.0	349.6	0.00	0.00	0.00
1,600.0	31.64	42.23	1,513.7	297.7	270.2	402.1	0.00	0.00	0.00
1,700.0	31.64	42.23	1,598.9	336.6	305.5	454.5	0.00	0.00	0.00
1,800.0	31.64	42.23	1,684.0	375.4	340.7	507.0	0.00	0.00	0.00
1,900.0	31.64	42.23	1,769.1	414.3	376.0	559.5	0.00	0.00	0.00
2,000.0	31.64	42.23	1,854.3	453.1	411.3	611.9	0.00	0.00	0.00
2,100.0	31.64	42.23	1,939.4	492.0	446.5	664.4	0.00	0.00	0.00
2,200.0	31.64	42.23	2,024.5	530.8	481.8	716.8	0.00	0.00	0.00
2,300.0	31.64	42.23	2,109.7	569.6	517.0	769.3	0.00	0.00	0.00
2,339.1	31.64	42.23	2,143.0	584.8	530.8	789.8	0.00	0.00	0.00
Ojo Alamo									
2,400.0	31.64	42.23	2,194.8	608.5	552.3	821.7	0.00	0.00	0.00
2,476.6	31.64	42.23	2,260.0	638.2	579.3	861.9	0.00	0.00	0.00
Kirtland									
2,500.0	31.64	42.23	2,279.9	647.3	587.5	874.2	0.00	0.00	0.00
2,600.0	31.64	42.23	2,365.1	686.2	622.8	926.7	0.00	0.00	0.00
2,700.0	31.64	42.23	2,450.2	725.0	658.0	979.1	0.00	0.00	0.00
2,792.5	31.64	42.23	2,529.0	761.0	690.7	1,027.7	0.00	0.00	0.00
Stage Tool									
2,800.0	31.64	42.23	2,535.4	763.9	693.3	1,031.6	0.00	0.00	0.00
2,900.0	31.64	42.23	2,620.5	802.7	728.6	1,084.0	0.00	0.00	0.00
3,000.0	31.64	42.23	2,705.6	841.5	763.8	1,136.5	0.00	0.00	0.00
3,100.0	31.64	42.23	2,790.8	880.4	799.1	1,188.9	0.00	0.00	0.00
3,107.3	31.64	42.23	2,797.0	883.2	801.6	1,192.8	0.00	0.00	0.00
Fruitland									
3,200.0	31.64	42.23	2,875.9	919.2	834.3	1,241.4	0.00	0.00	0.00
3,226.1	31.64	42.23	2,898.1	929.4	843.5	1,255.1	0.00	0.00	0.00
3,300.0	29.42	42.23	2,961.8	957.2	868.7	1,292.6	3.00	-3.00	0.00
3,400.0	26.42	42.23	3,050.1	991.8	900.2	1,339.5	3.00	-3.00	0.00
3,408.8	26.16	42.23	3,058.0	994.7	902.8	1,343.3	3.00	-3.00	0.00
Pictured Cliffs									
3,500.0	23.42	42.23	3,140.8	1,023.0	928.5	1,381.6	3.00	-3.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6225 0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6225 0ft (H&P RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	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)	
3,564.1	21.50	42.23	3,200.0	1,041.2	945.0	1,406.1	3.00	-3.00	0.00	
Lewis										
3,600.0	20.42	42.23	3,233.6	1,050.7	953.6	1,418.9	3.00	-3.00	0.00	
3,700.0	17.42	42.23	3,328.1	1,074.7	975.4	1,451.3	3.00	-3.00	0.00	
3,800.0	14.42	42.23	3,424.3	1,095.0	993.9	1,478.8	3.00	-3.00	0.00	
3,900.0	11.42	42.23	3,521.7	1,111.6	1,008.9	1,501.1	3.00	-3.00	0.00	
4,000.0	8.42	42.23	3,620.2	1,124.3	1,020.5	1,518.4	3.00	-3.00	0.00	
4,100.0	5.42	42.23	3,719.5	1,133.2	1,028.6	1,530.4	3.00	-3.00	0.00	
4,180.7	3.00	42.23	3,800.0	1,137.6	1,032.5	1,536.3	3.00	-3.00	0.00	
Huerfanito Bentonite										
4,200.0	2.42	42.23	3,819.3	1,138.3	1,033.2	1,537.3	3.00	-3.00	0.00	
4,280.8	0.00	0.00	3,900.0	1,139.6	1,034.3	1,539.0	3.00	-3.00	-52.28	
Inter - SJ 29-7 #82M - ICP										
4,300.0	0.00	0.00	3,919.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,019.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
4,460.8	0.00	0.00	4,080.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
Chacra										
4,500.0	0.00	0.00	4,119.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,219.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,319.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,419.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,519.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,619.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,719.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	4,819.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,200.8	0.00	0.00	4,820.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
Massive Cliffhouse										
5,287.8	0.00	0.00	4,907.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
Menefee										
5,300.0	0.00	0.00	4,919.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,019.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,119.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,219.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,660.8	0.00	0.00	5,280.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
Point Lookout										
5,700.0	0.00	0.00	5,319.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,419.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,519.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,619.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,045.8	0.00	0.00	5,665.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
Mancos										
6,100.0	0.00	0.00	5,719.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,819.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	5,919.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,019.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,119.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,219.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,319.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,419.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
6,894.8	0.00	0.00	6,514.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
Upper Gallup										
6,900.0	0.00	0.00	6,519.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,619.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6225.0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6225 0ft (H&P RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	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)
7,100.0	0.00	0.00	6,719.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,200.0	0.00	0.00	6,819.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,300.0	0.00	0.00	6,919.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,019.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,119.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,219.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,621.8	0.00	0.00	7,241.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
Greenhorn									
7,675.8	0.00	0.00	7,295.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
Graneros									
7,700.0	0.00	0.00	7,319.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,738.8	0.00	0.00	7,358.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
Two Wells									
7,800.0	0.00	0.00	7,419.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,836.8	0.00	0.00	7,456.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
Upper cubero									
7,863.8	0.00	0.00	7,483.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
Lower Cubero									
7,900.0	0.00	0.00	7,519.2	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
7,933.8	0.00	0.00	7,553.0	1,139.6	1,034.3	1,539.0	0.00	0.00	0.00
Encinal - Prod - SJ 29-7 #82M - PCP									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
hit/miss target									
- Shape									
SJ 29-7 #82M - PCP	0.00	0.00	7,553.0	1,139.6	1,034.3	2,093,366.29	577,260.58	36° 45' 9.922 N	107° 34' 10.588 W
- plan hits target center									
- Circle (radius 100.0)									
SJ 29-7 #82M - ICP	0.00	0.00	3,900.0	1,139.6	1,034.3	2,093,366.29	577,260.58	36° 45' 9.922 N	107° 34' 10.588 W
- plan hits target center									
- Circle (radius 100.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
230.0	230.0	Surf	9-5/8	12-1/4	
4,280.8	3,900.0	Inter	7	8-3/4	
7,933.8	7,553.0	Prod	4-1/2	6-1/4	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #82M
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6225.0ft (H&P RIGS)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6225 0ft (H&P RIGS)
Site:	San Juan 29 Wells	North Reference:	True
Well:	SJ 29-7 #82M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
2,792.5	2,529.0	Stage Tool		0.00		
5,660.8	5,280.0	Point Lookout		0.00		
682.2	680.0	Nacimiento		0.00		
7,863.8	7,483.0	Lower Cubero		0.00		
5,200.8	4,820.0	Massive Cliffhouse		0.00		
4,180.7	3,800.0	Huerfanito Bentonite		0.00		
4,460.8	4,080.0	Chacra		0.00		
7,738.8	7,358.0	Two Wells		0.00		
7,621.8	7,241.0	Greenhorn		0.00		
7,933.8	7,553.0	Encinal		0.00		
3,107.3	2,797.0	Fruitland		0.00		
7,675.8	7,295.0	Graneros		0.00		
2,339.1	2,143.0	Ojo Alamo		0.00		
6,045.8	5,665.0	Mancos		0.00		
5,287.8	4,907.0	Menefee		0.00		
3,564.1	3,200.0	Lewis		0.00		
3,408.8	3,058.0	Pictured Cliffs		0.00		
7,836.8	7,456.0	Upper cubero		0.00		
2,476.6	2,260.0	Kirtland		0.00		
6,894.8	6,514.0	Upper Gallup		0.00		

REFERENCE INFORMATION

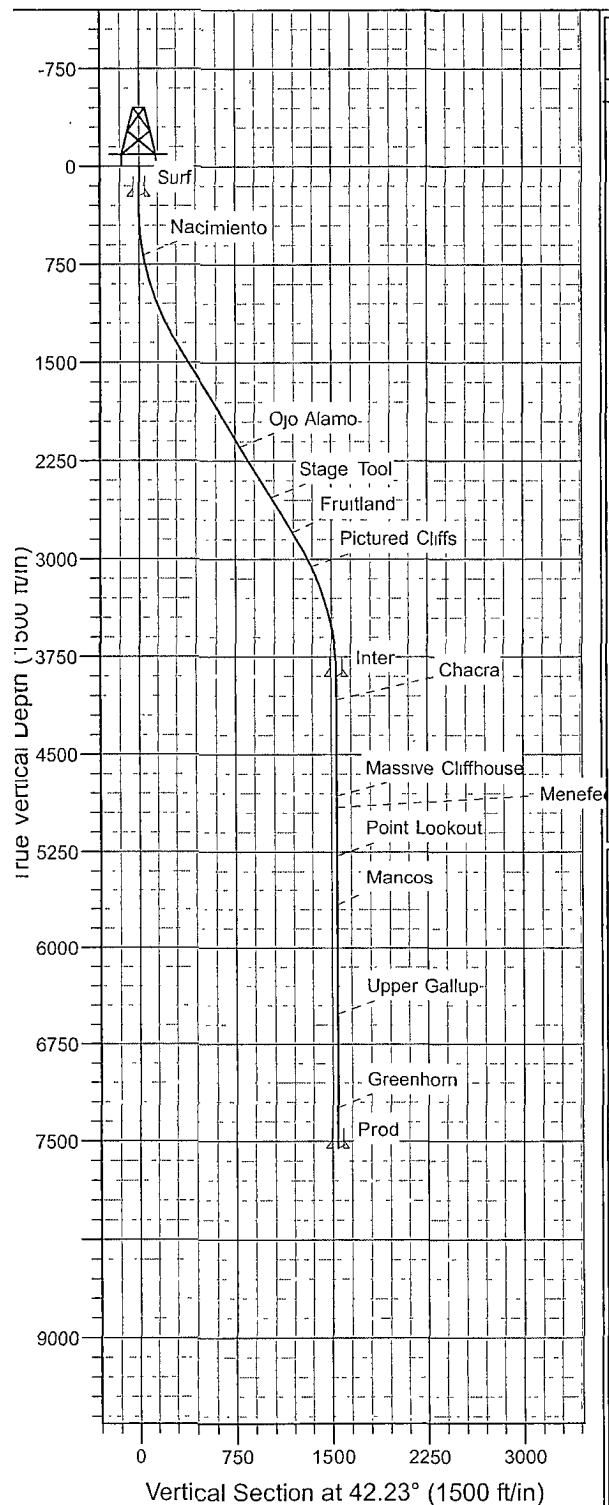
RKB @ 6225.0ft (H&P RIGS)
 Ground Elevation 6209.0
 Reference Lat: 36° 44' 58.654 N
 Reference Long: 107° 34' 23.297 W

Project: San Juan Basin - New Mexico well
 Site: San Juan 29 Wells
 Well: SJ 29-7 #82M
 Wellbore: Principal Wellbore
 Design: Plan #1



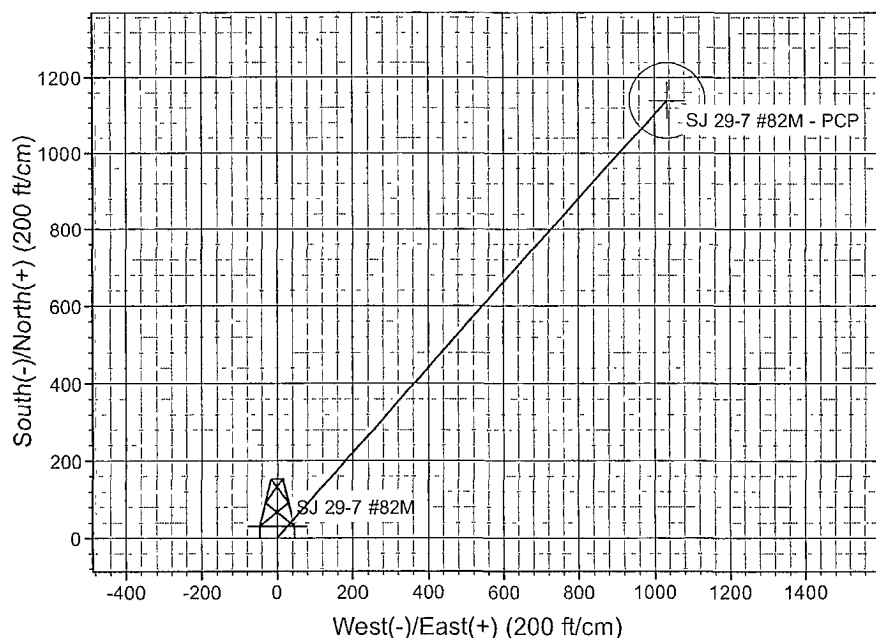
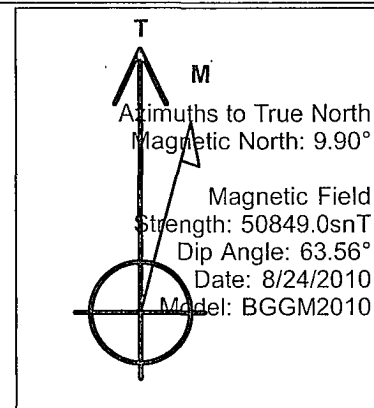
SECTION DETAILS

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	1374.6	31.64	42.23	1321.9	210.2	190.8	3.00	42.23	283.9	
4	3226.1	31.64	42.23	2898.1	929.4	843.5	0.00	0.00	1255.1	
5	4280.8	0.00	0.00	3900.0	1139.6	1034.3	3.00	180.00	1539.0	SJ 29-7 #82M - ICP
6	7933.8	0.00	0.00	7553.0	1139.6	1034.3	0.00	0.00	1539.0	SJ 29-7 #82M - PCP



FORMATION TOP DETAILS

TVDP	Path MD	Formation
680.0	682.2	Nacimiento
2143.0	2339.1	Ojo Alamo
2260.0	2476.6	Kirtland
2529.0	2792.5	Stage Tool
2797.0	3107.3	Fruitland
3058.0	3408.8	Pictured Cliffs
3200.0	3564.1	Lewis
3800.0	4180.7	Huerfano Bentonite
4080.0	4460.8	Chacra
4820.0	5200.8	Massive Cliffhouse
4907.0	5287.8	Menefee
5280.0	5660.8	Point Lookout
5665.0	6045.8	Mancos
6514.0	6894.8	Upper Gallup
7241.0	7621.8	Greenhorn
7295.0	7675.8	Graneros
7358.0	7738.8	Two Wells
7456.0	7836.8	Upper cubero
7483.0	7863.8	Lower Cubero
7553.0	7933.8	Encinal





65-15341

[illegible]

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 29-7 UNIT #82M

775' FSL & 1535' FEL

LOCATED IN THE SW/4 SE/4 OF SECTION 4,
T29N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM BLANCO, NM TRAVEL EAST ON HWY 64 FOR 16.0 MILES TO LOCKED GATE ON LEFT.
- 2) GO NORTH ON EXISTING ROAD 0.7 MILES TO INTERSECTION.
- 3) TURN LEFT AND GO 0.2 MILES TO EXISTING WELL LOCATION ON RIGHT.

WELL FLAG LOCATED AT LAT. 36.74962°N, 107.57253°W (NAD 83)

