

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

MAR 03 2011

1a. Type of Work DRILL	5. Lease Number SF-079527 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 San Juan 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 27-4 Unit 9. Well Number 135M	
4. Location of Well Surface: Unit G(ENE), 1942' FNL & 1590' FEL Bottomhole: Unit J(NWSE), 2150' FSL & 1725' FEL Surface: Latitude: 36.531811° N (NAD83) Longitude: 107.199423° W Bottomhole: Latitude: 36.528551° N (NAD83) Longitude: 107.199879° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 36, T27N, R4W API # 30-039-31039	
14. Distance in Miles from Nearest Town 89.2 Miles from Bloomfield, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	16. Acres in Lease 1,280 Acres	17. Acres Assigned to Well 320 Acres (MV/DK) DIST. 3 OIL CONS. DIV.
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52.2' from San Juan 27-4 #135B (MV/DK)	19. Proposed Depth 8488'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7274' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".	
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Technician)	3-2-11 Date	

Hold C104
for Directional Survey
and "As Drilled" plat

PERMIT NO. APPROVAL DATE
APPROVED BY [Signature] TITLE AFM DATE 4/4/11

Archaeological Report attached A gas recovery unit may or may not be used on this location.

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

APR 13 2011

NMOCD

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

Submit to Appropriate District Office
MAR 08 2011

Farmington Field Office
Bureau of Land Management

Form C-102

Revised October 12, 2005

State Lease - 7 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31039	² Pool Code 71599/72319	³ Pool Name Basin DAKOTA / MESAVERDE
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 135M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 7274

¹⁰ SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	36	27-N	4-W		1942	NORTH	1590	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	36	27-N	4-W		2150	SOUTH	1725	EAST	RIO ARriba

¹² Dedicated Acres 320.00 E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ S 89°14'55" W				5207.7' (R)	GLO 1917
			1942'		5280.0' (R) 5292.0' (M)
	WELL FLAG NAD 83 LAT: 36.531811° N LONG: 107.199423° W NAD 27 LAT: 36°31.908051' N LONG: 107°11.929532' W			1590'	
	BOTTOM HOLE NAD 83 LAT: 36.528551° N LONG: 107.199879° W NAD 27 LAT: 36°31.712425' N LONG: 107°11.956934' W		1725'		
			2150'	E/2 DEDICATED ACREAGE USA SF-079527 SECTION 36, T-27-N, R-4-W	GLO 1917

¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
Signature: Tracey N. Monroe
Printed Name: Tracey N. Monroe
Staff Reg. Tech. DIST. 3
Title and E-mail Address: DIST. 3
Date: 7/9/10
RCVD APR 5 '11

¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
Date of Survey: 6/2/09
Signature and Seal of Professional Surveyor:
HENRY P. BROADHURST
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
6/14/09
Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 135M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9054				AFE \$: 1,624,033.58	
Field Name: SAN JUAN 27-4 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:	Phone:	Geophysicist:		Phone:			
Geoscientist:	Phone:	Prod. Engineer:		Phone:			
Res. Engineer:	Phone:	Proj. Field Lead:		Phone:			
Primary Objective (Zones):							
Zone	Zone Name						
R20076	DAKOTA(R20076)						
R20002	MESAVERDE(R20002)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.531800	Longitude: -107.198825	X:	Y:	Section: 36		Range: 004W	
Footage X: 1590 FEL	Footage Y: 1942 FNL	Elevation: 7274	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.528540	Longitude: -107.199281	X:	Y:	Section: 36		Range: 004W	
Footage X: 1725 FEL	Footage Y: 2150 FSL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7289 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	7089		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	3545	3744		☐			
KIRTLAND	3670	3619		☐			
FRUITLAND	3791	3498		☐			Possible Gas
PICTURED CLIFFS	4073	3216		☐	284		
LEWIS	4150	3139		☐			
Intermediate Casing	4250	3039		☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1004 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4543	2746		☐			
CHACRA	5055	2234		☐			
UPPER CLIFF HOUSE	5771	1518		☐			Gas
MASSIVE CLIFF HOUSE	5819	1470		☐	869		Gas
MENEFEE	5887	1402		☐			
POINT LOOKOUT	6209	1080		☐			
MANCOS	6737	552		☐			
UPPER GALLUP	7357	-68		☐			
GREENHORN	8171	-882		☐			
GRANEROS	8235	-946		☐			
TWO WELLS	8271	-982		☐	3244		Gas
UPPER CUBERO	8385	-1096		☐			
LOWER CUBERO	8425	-1136		☐			
ENCINAL	8487	-1198		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 135M

DEVELOPMENT

Total Depth	8488	-1199	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 577 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:

Reference Type	Well Name	Comments
Production	SAN JUAN 27-4 UNIT 150M	

Logging Program:

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

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

CH GR/CBL and OH logs at TD over minimum footages.
Mudlog the Mancos to TD and mudlogger will call TD.
Weatherford cuttings from Mancos to Dakota.
Perf ~38' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #135M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 7289.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 7289.0ft (Original Well Elev)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #135M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

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

Site:	San Juan 27 Wells		
Site Position:		Northing:	2,032,945.19 ft
From:	Lat/Long	Easting:	677,235.72 ft
Position Uncertainty:	15.0 ft	Slot Radius:	"
		Latitude:	36° 35' 7.965 N
		Longitude:	107° 13' 46.766 W
		Grid Convergence:	0.36 °

Well:	SJ 27-4 #135M		
Well Position	+N-S	0.0 ft	Northing:
	+E-W	0.0 ft	Easting:
Position Uncertainty	15.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 31' 54.483 N
		Longitude:	107° 11' 55.772 W
		Ground Level:	7,274.0 ft

Wellbore:	Principal Wellbore		
Magnetics:	Model Name	Sample Date	Declination
	BGGM2009	10/13/2009	9.83
			Dip Angle
			63.46
			Field Strength
			50,869

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)
	0.0	0.0	0.0
			Direction
			(°)
			186.45

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
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	
1,399.1	21.58	186.45	1,373.7	-199.6	-22.6	2.00	2.00	0.00	186.45	
3,736.7	21.58	186.45	3,547.5	-1,054.0	-119.2	0.00	0.00	0.00	0.00	
4,456.1	0.00	0.00	4,250.0	-1,187.0	-134.2	3.00	-3.00	0.00	180.00	SJ 27-4 #135M - ICP
8,694.1	0.00	0.00	8,488.0	-1,187.0	-134.2	0.00	0.00	0.00	0.00	SJ 27-4 #135M - PCP

ConocoPhillips or its affiliates

Planning Report

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Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 7289.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 7289.0ft (Original Well Elev)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #135M	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	1.60	186.45	400.0	-1.1	-0.1	1.1	2.00	2.00	0.00
500.0	3.60	186.45	499.9	-5.6	-0.6	5.7	2.00	2.00	0.00
600.0	5.60	186.45	599.6	-13.6	-1.5	13.7	2.00	2.00	0.00
700.0	7.60	186.45	698.9	-25.0	-2.8	25.2	2.00	2.00	0.00
800.0	9.60	186.45	797.8	-39.9	-4.5	40.1	2.00	2.00	0.00
900.0	11.60	186.45	896.0	-58.1	-6.6	58.5	2.00	2.00	0.00
1,000.0	13.60	186.45	993.6	-79.8	-9.0	80.3	2.00	2.00	0.00
1,100.0	15.60	186.45	1,090.4	-104.9	-11.9	105.5	2.00	2.00	0.00
1,200.0	17.60	186.45	1,186.2	-133.3	-15.1	134.1	2.00	2.00	0.00
1,300.0	19.60	186.45	1,281.0	-164.9	-18.6	166.0	2.00	2.00	0.00
1,399.1	21.58	186.45	1,373.7	-199.6	-22.6	200.8	2.00	2.00	0.00
1,400.0	21.58	186.45	1,374.6	-199.9	-22.6	201.2	0.00	0.00	0.00
1,500.0	21.58	186.45	1,467.6	-236.5	-26.7	238.0	0.00	0.00	0.00
1,600.0	21.58	186.45	1,560.6	-273.0	-30.9	274.7	0.00	0.00	0.00
1,700.0	21.58	186.45	1,653.6	-309.5	-35.0	311.5	0.00	0.00	0.00
1,800.0	21.58	186.45	1,746.6	-346.1	-39.1	348.3	0.00	0.00	0.00
1,900.0	21.58	186.45	1,839.5	-382.6	-43.3	385.1	0.00	0.00	0.00
2,000.0	21.58	186.45	1,932.5	-419.2	-47.4	421.9	0.00	0.00	0.00
2,100.0	21.58	186.45	2,025.5	-455.7	-51.5	458.6	0.00	0.00	0.00
2,200.0	21.58	186.45	2,118.5	-492.3	-55.7	495.4	0.00	0.00	0.00
2,300.0	21.58	186.45	2,211.5	-528.8	-59.8	532.2	0.00	0.00	0.00
2,400.0	21.58	186.45	2,304.5	-565.4	-63.9	569.0	0.00	0.00	0.00
2,500.0	21.58	186.45	2,397.5	-601.9	-68.1	605.8	0.00	0.00	0.00
2,600.0	21.58	186.45	2,490.5	-638.5	-72.2	642.6	0.00	0.00	0.00
2,700.0	21.58	186.45	2,583.5	-675.0	-76.3	679.3	0.00	0.00	0.00
2,800.0	21.58	186.45	2,676.5	-711.6	-80.4	716.1	0.00	0.00	0.00
2,900.0	21.58	186.45	2,769.4	-748.1	-84.6	752.9	0.00	0.00	0.00
3,000.0	21.58	186.45	2,862.4	-784.7	-88.7	789.7	0.00	0.00	0.00
3,100.0	21.58	186.45	2,955.4	-821.2	-92.8	826.5	0.00	0.00	0.00
3,200.0	21.58	186.45	3,048.4	-857.8	-97.0	863.3	0.00	0.00	0.00
3,300.0	21.58	186.45	3,141.4	-894.3	-101.1	900.0	0.00	0.00	0.00
3,400.0	21.58	186.45	3,234.4	-930.9	-105.2	936.8	0.00	0.00	0.00
3,500.0	21.58	186.45	3,327.4	-967.4	-109.4	973.6	0.00	0.00	0.00
3,600.0	21.58	186.45	3,420.4	-1,004.0	-113.5	1,010.4	0.00	0.00	0.00
3,700.0	21.58	186.45	3,513.4	-1,040.5	-117.6	1,047.2	0.00	0.00	0.00
3,734.0	21.58	186.45	3,545.0	-1,053.0	-119.0	1,059.7	0.00	0.00	0.00
Ojo Alamo									
3,736.7	21.58	186.45	3,547.5	-1,054.0	-119.2	1,060.7	0.00	0.00	0.00
3,800.0	19.68	186.45	3,606.7	-1,076.1	-121.7	1,083.0	3.00	-3.00	0.00
3,866.8	17.68	186.45	3,670.0	-1,097.4	-124.1	1,104.4	3.00	-3.00	0.00
Kirtland									
3,900.0	16.68	186.45	3,701.7	-1,107.1	-125.2	1,114.2	3.00	-3.00	0.00
3,936.7	15.58	186.45	3,737.0	-1,117.3	-126.3	1,124.4	3.00	-3.00	0.00
Mancos Shale									
3,992.6	13.91	186.45	3,791.0	-1,131.4	-127.9	1,138.6	3.00	-3.00	0.00
Fruitland									
4,000.0	13.68	186.45	3,798.2	-1,133.1	-128.1	1,140.4	3.00	-3.00	0.00

ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 27 Wells
Well: SJ 27-4 #135M
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well SJ 27-4 #135M
RKB @ 7289.0ft (Original Well Elev)
RKB @ 7289.0ft (Original Well Elev)
True
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)
4,100.0	10.68	186.45	3,896.0	-1,154.1	-130.5	1,161.5	3.00	-3.00	0.00
4,200.0	7.68	186.45	3,994.7	-1,170.0	-132.3	1,177.4	3.00	-3.00	0.00
4,278.8	5.32	186.45	4,073.0	-1,178.8	-133.3	1,186.3	3.00	-3.00	0.00
Pictured Cliffs									
4,300.0	4.68	186.45	4,094.1	-1,180.7	-133.5	1,188.2	3.00	-3.00	0.00
4,356.1	3.00	186.45	4,150.0	-1,184.4	-133.9	1,191.9	3.00	-3.00	0.00
Lewis									
4,400.0	1.68	186.45	4,193.9	-1,186.2	-134.1	1,193.7	3.00	-3.00	0.00
4,456.1	0.00	0.00	4,250.0	-1,187.0	-134.2	1,194.6	3.00	-3.00	0.00
Int - SJ 27-4 #135M - ICP									
4,500.0	0.00	0.00	4,293.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
4,600.0	0.00	0.00	4,393.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,493.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
4,749.1	0.00	0.00	4,543.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Huerfano Bentonite									
4,800.0	0.00	0.00	4,593.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,693.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,000.0	0.00	0.00	4,793.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,100.0	0.00	0.00	4,893.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,200.0	0.00	0.00	4,993.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,261.1	0.00	0.00	5,055.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Chacra									
5,300.0	0.00	0.00	5,093.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,193.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,293.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,393.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,493.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,593.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,693.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
5,977.1	0.00	0.00	5,771.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Upper Cliffhouse									
6,000.0	0.00	0.00	5,793.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,025.1	0.00	0.00	5,819.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Mass. Cliffhouse									
6,093.1	0.00	0.00	5,887.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Menefee									
6,100.0	0.00	0.00	5,893.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,200.0	0.00	0.00	5,993.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,093.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,193.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,415.1	0.00	0.00	6,209.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Pt. Lookout									
6,500.0	0.00	0.00	6,293.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,393.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,493.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,593.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,693.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,793.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,100.0	0.00	0.00	6,893.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,200.0	0.00	0.00	6,993.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,093.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,193.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 27 Wells
Well: SJ 27-4 #135M
Wellbore: Principal Wellbore
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well SJ 27-4 #135M
RKB @ 7289.0ft (Original Well Elev)
RKB @ 7289.0ft (Original Well Elev)
True
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)
7,500.0	0.00	0.00	7,293.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,563.1	0.00	0.00	7,357.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Gallup									
7,600.0	0.00	0.00	7,393.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,493.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,593.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,693.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,793.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,100.0	0.00	0.00	7,893.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,200.0	0.00	0.00	7,993.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,093.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,377.1	0.00	0.00	8,171.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Greenhorn									
8,400.0	0.00	0.00	8,193.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,441.1	0.00	0.00	8,235.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Graneros									
8,477.1	0.00	0.00	8,271.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Two Wells									
8,500.0	0.00	0.00	8,293.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,571.1	0.00	0.00	8,365.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Upper Cubero									
8,600.0	0.00	0.00	8,393.9	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
8,631.1	0.00	0.00	8,425.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Lower Cubero									
8,693.1	0.00	0.00	8,487.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
Encinal									
8,694.1	0.00	0.00	8,488.0	-1,187.0	-134.2	1,194.6	0.00	0.00	0.00
TD - Prod - SJ 27-4 #135M - PCP									

Targets

Target Name	hit/miss target Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 27-4 #135M - ICP										
- plan hits target center										
- Point										
SJ 27-4 #135M - PCP										
- plan hits target center										
- Point										

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
200.0	200.0	Surf	9-5/8	12-1/4
4,456.1	4,250.0	Int	7	8-3/4
8,694.1	8,488.0	Prod	4-1/2	6-1/4

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #135M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 7289.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 7289.0ft (Original Well Elev)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #135M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,025.1	5,819.0	Mass. Cliffhouse		0.00		
3,936.7	3,737.0	Mancos Shale		0.00		
8,631.1	8,425.0	Lower Cubero		0.00		
3,866.8	3,670.0	Kirtland		0.00		
7,563.1	7,357.0	Gallup		0.00		
4,749.1	4,543.0	Huerfano Bentonite		0.00		
8,377.1	8,171.0	Greenhorn		0.00		
8,571.1	8,365.0	Upper Cubero		0.00		
8,441.1	8,235.0	Graneros		0.00		
3,734.0	3,545.0	Ojo Alamo		0.00		
8,694.1	8,488.0	TD		0.00		
5,261.1	5,055.0	Chacra		0.00		
8,693.1	8,487.0	Encinal		0.00		
4,356.1	4,150.0	Lewis		0.00		
6,093.1	5,887.0	Menefee		0.00		
3,992.6	3,791.0	Fruitland		0.00		
6,415.1	6,209.0	Pt. Lookout		0.00		
4,278.8	4,073.0	Pictured Cliffs		0.00		
8,477.1	8,271.0	Two Wells		0.00		
5,977.1	5,771.0	Upper Cliffhouse		0.00		

REFERENCE INFORMATION

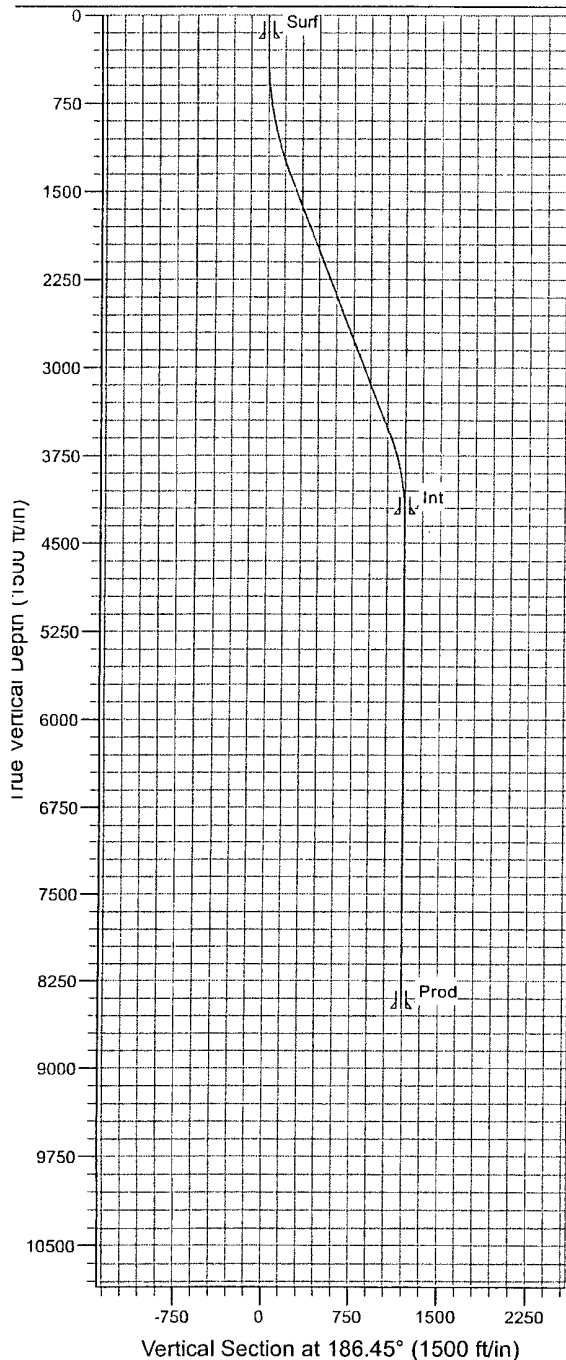
RKB @ 7289.0ft (Original Well Elev)
Ground Elevation 7274.0
Reference Lat: 36° 31' 54.483 N
Reference Long: 107° 11' 55.772 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 27 Wells
Well: SJ 27-4 #135M
Wellbore: Principal Wellbore
Design: Plan #1



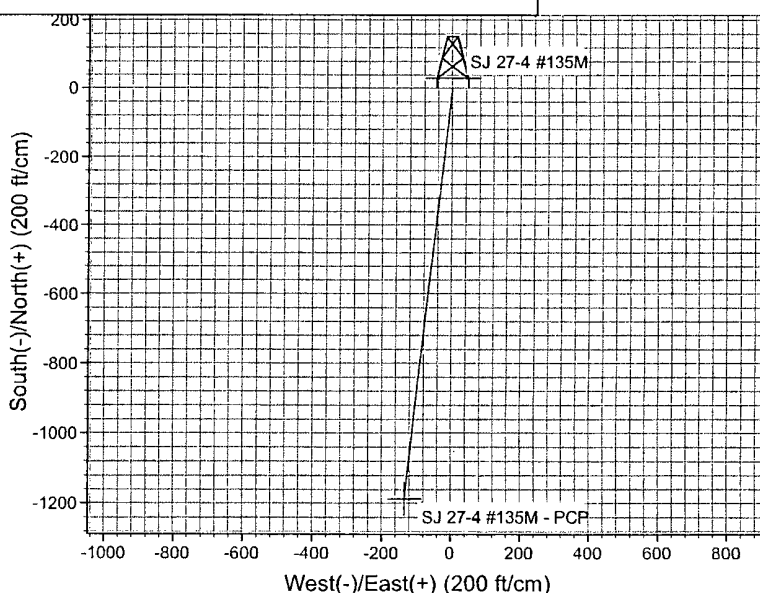
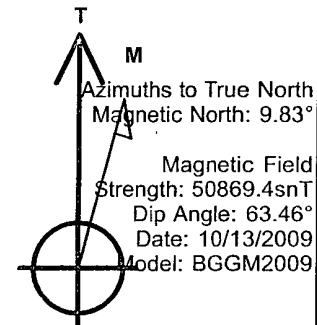
SECTION DETAILS

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	1399.1	21.58	186.45	1373.7	-199.6	-22.6	2.00	186.45	200.8	
4	3736.7	21.58	186.45	3547.5	-1054.0	-119.2	0.00	0.00	1060.7	
5	4456.1	0.00	0.00	4250.0	-1187.0	-134.2	3.00	180.00	1194.6	SJ 27-4 #135M - ICP
6	8694.1	0.00	0.00	8488.0	-1187.0	-134.2	0.00	0.00	1194.6	SJ 27-4 #135M - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3232.0	3734.0	Ojo Alamo
3357.0	3866.8	Kirtland
3424.0	3936.7	Mancos Shale
3478.0	3992.6	Fruitland
3760.0	4278.8	Pictured Cliffs
3837.0	4356.1	Lewis
4230.0	4749.1	Huerfano Bentonite
4742.0	5261.1	Chacra
5458.0	5977.1	Upper Cliffhouse
5506.0	6025.1	Mass. Cliffhouse
5574.0	6093.1	Menefee
5896.0	6415.1	Pt. Lookout
7044.0	7563.1	Gallup
7858.0	8377.1	Greenhorn
7922.0	8441.1	Graneros
7958.0	8477.1	Two Wells
8052.0	8571.1	Upper Cubero
8112.0	8631.1	Lower Cubero
8174.0	8693.1	Encinal
8175.0	8694.1	TD



BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #135M

1942' FNL, 1590' FEL

SECTION 36, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.531811°N LONG.: 107.199423°W

ELEV.: 7274 NAVD88

NO NEW ACCESS

FROM THE INTERSECTION OF HWY. 550 AND HWY. 64 IN
BLOOMFIELD, N.M.:

- GO EAST ON HWY. 64 FOR 60.4 MILES (TO MILES POST 124.7) AND TURN RIGHT ON STATE HWY 537.
- GO 27.0 MILES SOUTH ON HWY 537. TURN RIGHT ONTO FOREST ROAD 314, HEAD NORTH INTO CEDAR CANYON.
- GO 1.8 MILES NORTH ON FOREST ROAD 314 TO A PLUGGED AND ABANDONED WELL 27-4 #67. THE SAN JUAN 27-4 #135M IS STAKED AS A TWIN.