

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies
Bureau of Land Management
Farmington Field Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30484	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	⁶ Well Number 140C
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6799

¹⁰ SURFACE LOCATION

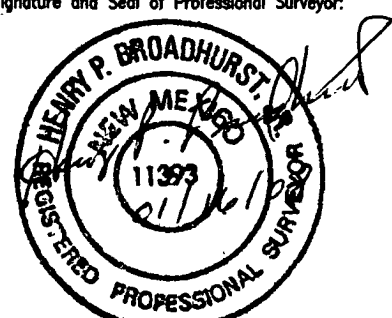
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	27-N	4-W		1790	SOUTH	240	EAST	RIO ARRIBA

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
0	10	27-N	4-W		1230	SOUTH	1750	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 (E)	¹³ Joint or Infill (2) -MV/DK	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	E/2 DEDICATED ACREAGE USA SF-080668 SECTION 10 T-27-N, R-4-W WELL FLAG NAD 83 LAT: 36.585556° N LONG: 107.230256° W NAD 27 LAT: 36° 35.132745' N LONG: 107° 13.779427' W BOTTOM HOLE NAD 83 LAT: 36.583641° N LONG: 107.235255° W NAD 27 LAT: 36° 35.017927' N LONG: 107° 14.079439' W	5280.0' (R) 240' 1750' 1230' 1790' NORTH WEST 5280.0' (R)	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. <i>Crystal Tafoya</i> 5/15/08 Signature Crystal Tafoya Printed Name Regulatory Technician Title and E-mail Address May 15th, 2008 Date 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: 11/09/06 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 140C

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7567		AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT	Rig: Aztec Rig 711	State: NM	County: RIO ARRIBA	API #: 3003930484	
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist:	Phone:	Prod. Engineer:	Phone:		
Res. Engineer: Prabowo, Wahyu	Phone: 505-326-9797	Proj. Field Lead:	Phone:		

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface Datum Code: NAD 27 Straight Hole

Latitude: 36.585546 Longitude: -107.229657 X: Y: Section: 10 Range: 004W

Footage X: 240 FEL Footage Y: 1790 FSL Elevation: 6799 (FT) Township: 027N

Tolerance:

Location: Bottom Hole Datum Code: NAD 27 Straight Hole

Latitude: 36.583631 Longitude: -107.234656 X: Y: Section: 10 Range: 004W

Footage X: 1750 FEL Footage Y: 1230 FSL Elevation: (FT) Township: 027N

Tolerance:

Location Type: Restricted Start Date (Est.): 1/1/2008 Completion Date: Date In Operation:

Formation Data: Assume KB = 6813 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6493	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 320 cubic ft. Circulate cement to surface.
OJO ALAMO	3050	3763	☐			
KIRTLAND	3272	3541	☐			
FRUITLAND	3392	3421	☐			Possible Gas
PICTURED CLIFFS	3645	3168	☐			
LEWIS	3771	3042	☐			
HUERFANITO BENTONITE	3976	2837	☐			
CHACRA	4653	2160	☐			
Intermediate Casing	4800	2013	☐			8-3/4" hole. 7", 23 ppf, L-80, LTC casing. Cement with 1149 cubic ft. Circulate cement to surface.
UPPER CLIFF HOUSE	5263	1550	☐			Gas
MASSIVE CLIFF HOUSE	5450	1363	☐	820		Gas
MENESEE	5533	1280	☐			
POINT LOOKOUT	5852	961	☐			
MANCOS	6172	641	☐			
GALLUP	6870	-57	☐			
GREENHORN	7810	-997	☐			
GRANEROS	7876	-1063	☐			
TWO WELLS	7933	-1120	☐	1300		Gas
PAGUATE	8001	-1188	☐			
CUBERO	8017	-1204	☐			
LOWER CUBERO	8060	-1247	☐			
OAK CANYON	8111	-1298	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 140C

DEVELOPMENT

ENCINAL	8134	-1321	☐	
Total Depth	8134	-1321	☐	6-1/4" hole, 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 456 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	27-4 #140	SE 10-27N-4W
Production	SJ 27-4 #139M	SE 09-27N-4W
Production	SL 27-4 #143A	SE 22-27N-4W
Production	SJ 27-4 #3A	SE 15-27N-4W
Production	SJ 27-4 #98	SW 10-27N-4W
Production	SJ 27-4 #22	SW 14-27N-4W

Logging Program:

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

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

GR_CBL

Mudlog from 100' above Greenhorn to TD - mudlogger will call TD.

Additional Information:

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

ConocoPhillips SJB

La Plata County, CO

Russell's Site for Directional MV/DK wells

SJ 27-4 #140C

Principal

Plan: APD Plan

Standard Planning Report

21 January, 2008

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #140C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Project:	La Plata County, CO	MD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 27-4 #140C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD Plan		

Project:	La Plata County, CO, Mid-Continent Area		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		Using geodetic scale factor

Site:	Russell's Site for Directional MV/DK wells		
Site Position:		Northing:	306,587.35 m
From:	Lat/Long	Easting:	752,737.62 m
Position Uncertainty:	0.0 ft	Slot Radius:	in
		Latitude:	36° 40' 7.199 N
		Longitude:	107° 18' 29.658 W
		Grid Convergence:	-1.11 °

Well:	SJ 27-4 #140C		
Well Position	+N/-S	0.0 ft	Northing: 297,230.41 m
	+E/-W	0.0 ft	Easting: 759,591.48 m
Position Uncertainty	15.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 35' 7.965 N
		Longitude:	107° 13' 46.766 W
		Ground Level:	6,799.0 ft

Wellbore:	Principal		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2005	12/27/2007	10.10	63.56	51,088

Design:	APD Plan		
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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
			(°)
			244.61

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,716.8	26.34	244.61	1,670.9	-127.5	-268.6	2.00	2.00	0.00	244.61	
4,262.9	26.34	244.61	3,952.7	-611.7	-1,289.1	0.00	0.00	0.00	0.00	
5,140.7	0.00	0.00	4,800.0	-696.7	-1,468.1	3.00	-3.00	0.00	180.00	SJ 27-4 140C - ICP
8,474.7	0.00	0.00	8,134.0	-696.7	-1,468.1	0.00	0.00	0.00	0.00	SJ 27-4 140C - PCP

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #140C
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Project:	La Plata County, CO	MD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 27-4 #140C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD Plan		

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
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
9 5/8"									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	2.00	244.61	500.0	-0.7	-1.6	1.7	2.00	2.00	0.00
600.0	4.00	244.61	599.8	-3.0	-6.3	7.0	2.00	2.00	0.00
700.0	6.00	244.61	699.5	-6.7	-14.2	15.7	2.00	2.00	0.00
800.0	8.00	244.61	798.7	-12.0	-25.2	27.9	2.00	2.00	0.00
900.0	10.00	244.61	897.5	-18.7	-39.3	43.5	2.00	2.00	0.00
1,000.0	12.00	244.61	995.6	-26.8	-56.6	62.6	2.00	2.00	0.00
1,100.0	14.00	244.61	1,093.1	-36.5	-76.9	85.1	2.00	2.00	0.00
1,200.0	16.00	244.61	1,189.6	-47.6	-100.3	111.0	2.00	2.00	0.00
1,300.0	18.00	244.61	1,285.3	-60.1	-126.7	140.2	2.00	2.00	0.00
1,400.0	20.00	244.61	1,379.8	-74.1	-156.1	172.8	2.00	2.00	0.00
1,500.0	22.00	244.61	1,473.2	-89.4	-188.5	208.6	2.00	2.00	0.00
1,600.0	24.00	244.61	1,565.2	-106.2	-223.8	247.7	2.00	2.00	0.00
1,700.0	26.00	244.61	1,655.8	-124.3	-261.9	289.9	2.00	2.00	0.00
1,716.8	26.34	244.61	1,670.9	-127.5	-268.6	297.3	2.00	2.00	0.00
1,800.0	26.34	244.61	1,745.5	-143.3	-302.0	334.3	0.00	0.00	0.00
1,900.0	26.34	244.61	1,835.1	-162.3	-342.1	378.6	0.00	0.00	0.00
2,000.0	26.34	244.61	1,924.7	-181.3	-382.1	423.0	0.00	0.00	0.00
2,100.0	26.34	244.61	2,014.3	-200.3	-422.2	467.3	0.00	0.00	0.00
2,200.0	26.34	244.61	2,104.0	-219.4	-462.3	511.7	0.00	0.00	0.00
2,300.0	26.34	244.61	2,193.6	-238.4	-502.4	556.1	0.00	0.00	0.00
2,400.0	26.34	244.61	2,283.2	-257.4	-542.5	600.4	0.00	0.00	0.00
2,500.0	26.34	244.61	2,372.8	-276.4	-582.5	644.8	0.00	0.00	0.00
2,600.0	26.34	244.61	2,462.5	-295.4	-622.6	689.1	0.00	0.00	0.00
2,700.0	26.34	244.61	2,552.1	-314.5	-662.7	733.5	0.00	0.00	0.00
2,800.0	26.34	244.61	2,641.7	-333.5	-702.8	777.9	0.00	0.00	0.00
2,900.0	26.34	244.61	2,731.3	-352.5	-742.8	822.2	0.00	0.00	0.00
3,000.0	26.34	244.61	2,820.9	-371.5	-782.9	866.6	0.00	0.00	0.00
3,100.0	26.34	244.61	2,910.6	-390.5	-823.0	911.0	0.00	0.00	0.00
3,200.0	26.34	244.61	3,000.2	-409.6	-863.1	955.3	0.00	0.00	0.00
3,255.6	26.34	244.61	3,050.0	-420.1	-885.4	980.0	0.00	0.00	0.00
Ojo Alamo									
3,300.0	26.34	244.61	3,089.8	-428.6	-903.2	999.7	0.00	0.00	0.00
3,400.0	26.34	244.61	3,179.4	-447.6	-943.2	1,044.0	0.00	0.00	0.00
3,500.0	26.34	244.61	3,269.0	-466.6	-983.3	1,088.4	0.00	0.00	0.00
3,503.3	26.34	244.61	3,272.0	-467.2	-984.6	1,089.9	0.00	0.00	0.00
Kirtland									
3,600.0	26.34	244.61	3,358.7	-485.6	-1,023.4	1,132.8	0.00	0.00	0.00
3,637.2	26.34	244.61	3,392.0	-492.7	-1,038.3	1,149.3	0.00	0.00	0.00
Fruitland									
3,700.0	26.34	244.61	3,448.3	-504.6	-1,063.5	1,177.1	0.00	0.00	0.00
3,800.0	26.34	244.61	3,537.9	-523.7	-1,103.6	1,221.5	0.00	0.00	0.00
3,900.0	26.34	244.61	3,627.5	-542.7	-1,143.6	1,265.9	0.00	0.00	0.00
3,919.5	26.34	244.61	3,645.0	-546.4	-1,151.4	1,274.5	0.00	0.00	0.00
Pictured Cliffs									
4,000.0	26.34	244.61	3,717.2	-561.7	-1,183.7	1,310.2	0.00	0.00	0.00
4,060.1	26.34	244.61	3,771.0	-573.1	-1,207.8	1,336.9	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #140C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Project:	La Plata County, CO	MD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 27-4 #140C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD Plan		

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)	
Lewis										
4,100.0	26.34	244.61	3,806.8	-580.7	-1,223.8	1,354.6	0.00	0.00	0.00	
4,200.0	26.34	244.61	3,896.4	-599.7	-1,263.9	1,398.9	0.00	0.00	0.00	
4,262.9	26.34	244.61	3,952.7	-611.7	-1,289.1	1,426.8	0.00	0.00	0.00	
4,288.7	25.56	244.61	3,976.0	-616.5	-1,299.3	1,438.2	3.00	-3.00	0.00	
Huerfano Bentonite										
4,300.0	25.22	244.61	3,986.2	-618.6	-1,303.7	1,443.0	3.00	-3.00	0.00	
4,400.0	22.22	244.61	4,077.7	-635.9	-1,340.0	1,483.2	3.00	-3.00	0.00	
4,500.0	19.22	244.61	4,171.2	-651.0	-1,372.0	1,518.6	3.00	-3.00	0.00	
4,600.0	16.22	244.61	4,266.5	-664.1	-1,399.5	1,549.0	3.00	-3.00	0.00	
4,700.0	13.22	244.61	4,363.2	-675.0	-1,422.4	1,574.4	3.00	-3.00	0.00	
4,800.0	10.22	244.61	4,461.1	-683.7	-1,440.8	1,594.7	3.00	-3.00	0.00	
4,900.0	7.22	244.61	4,559.9	-690.2	-1,454.5	1,609.9	3.00	-3.00	0.00	
4,993.6	4.41	244.61	4,653.0	-694.2	-1,463.0	1,619.4	3.00	-3.00	0.00	
Chacra										
5,000.0	4.22	244.61	4,659.4	-694.4	-1,463.5	1,619.9	3.00	-3.00	0.00	
5,100.0	1.22	244.61	4,759.3	-696.5	-1,467.8	1,624.6	3.00	-3.00	0.00	
5,140.7	0.00	0.00	4,800.0	-696.7	-1,468.1	1,625.1	3.00	-3.00	0.00	
7" SJ 27-4 140C - ICP										
5,200.0	0.00	0.00	4,859.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,300.0	0.00	0.00	4,959.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,059.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,159.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,259.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,603.7	0.00	0.00	5,263.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
Upper Cliffhouse										
5,700.0	0.00	0.00	5,359.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,790.7	0.00	0.00	5,450.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
Mass. Cliffhouse										
5,800.0	0.00	0.00	5,459.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
5,873.7	0.00	0.00	5,533.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
Menefee										
5,900.0	0.00	0.00	5,559.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,659.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,759.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,192.7	0.00	0.00	5,852.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
Pt. Lookout										
6,200.0	0.00	0.00	5,859.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,300.0	0.00	0.00	5,959.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,059.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,159.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,512.7	0.00	0.00	6,172.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
Mancos Shale										
6,600.0	0.00	0.00	6,259.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,359.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,459.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,559.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,659.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,759.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
7,200.0	0.00	0.00	6,859.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
7,210.7	0.00	0.00	6,870.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00	
Gallup										

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #140C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Project:	La Plata County, CO	MD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 27-4 #140C	Survey Calculation Method:	Minimum Curvature
Wellbore Design:	Principal APD Plan		

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)
7,300.0	0.00	0.00	6,959.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,059.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,159.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,259.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,359.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,459.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,559.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,659.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,759.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
8,150.7	0.00	0.00	7,810.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Greenhorn									
8,200.0	0.00	0.00	7,859.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
8,216.7	0.00	0.00	7,876.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Graneros									
8,273.7	0.00	0.00	7,933.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Two Wells									
8,300.0	0.00	0.00	7,959.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
8,341.7	0.00	0.00	8,001.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Pagate									
8,357.7	0.00	0.00	8,017.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Cubero									
8,400.0	0.00	0.00	8,059.3	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
8,400.7	0.00	0.00	8,060.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Lower Cubero									
8,451.7	0.00	0.00	8,111.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Oak Canyon									
8,474.7	0.00	0.00	8,134.0	-696.7	-1,468.1	1,625.1	0.00	0.00	0.00
Encinal - 4 1/2" - SJ 27-4.140C - PCP									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
hit/miss target									
Shape									
SJ 27-4 140C - ICP	0.00	0.00	4,800.0	-696.7	-1,468.1	297,026.36	759,140.05	36° 35' 1.076 N	107° 14' 4.766 W
- plan hits target									
- Point									
SJ 27-4 140C - PCP	0.00	0.00	8,134.0	-697.4	-1,468.1	297,026.13	759,140.06	36° 35' 1.068 N	107° 14' 4.766 W
- plan hits target									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
320.0	320.0	9 5/8"	9.625	12.250	
5,140.7	4,800.0	7"	7.000	8.750	
8,474.7	8,134.0	4 1/2"	4.500	6.250	

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #140C
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6814.0ft (Genenc Rig RKB)
Project:	La Plata County CO	MD Reference:	WELL @ 6814.0ft (Generic Rig RKB)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 27-4 #140C	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	APD Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,255.6	3,050.0	Ojo Alamo		0.00		
3,503.3	3,272.0	Kirtland		0.00		
3,637.2	3,392.0	Fruitland		0.00		
3,919.5	3,645.0	Pictured Cliffs		0.00		
4,060.1	3,771.0	Lewis		0.00		
4,288.7	3,976.0	Huerfano Bentonite		0.00		
4,993.6	4,653.0	Chacra		0.00		
5,603.7	5,263.0	Upper Cliffhouse		0.00		
5,790.7	5,450.0	Mass. Cliffhouse		0.00		
5,873.7	5,533.0	Menefee		0.00		
6,192.7	5,852.0	Pt Lookout		0.00		
6,512.7	6,172.0	Mancos Shale		0.00		
7,210.7	6,870.0	Gallup		0.00		
8,150.7	7,810.0	Greenhorn		0.00		
8,216.7	7,876.0	Graneros		0.00		
8,273.7	7,933.0	Two Wells		0.00		
8,341.7	8,001.0	Paguate		0.00		
8,357.7	8,017.0	Cubero		0.00		
8,400.7	8,060.0	Lower Cubero		0.00		
8,451.7	8,111.0	Oak Canyon		0.00		
8,474.7	8,134.0	Encinal		0.00		