

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 07 2010

Sundry Notices and Reports on Wells

Bureau of Land Management
Farmington Field Office

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 F (SENW), 1545' FNL & 2180' FWL, Section 14, T27N, R4W, NMPM

Bottomhole: Unit B (NWNE), 710' FNL & 1890' FEL, Section 14, T27N, R4W, NMPM

5. Lease Number
SF-080672

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
San Juan 27-4 Unit

8. Well Name & Number
San Juan 27-4 Unit 154N

9. API Well No.
30-039-30489

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

☒ 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 - ☐ Move Surface

RCVD JUN 3 '10
OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

Burlington Resources requests permission to move the surface location of the subject well from the approved APD footages of Unit F, 1525' FNL & 2135' FWL due to spacing safety issues. The proposed surface location is Unit F, 1545' FNL & 2180' FWL. The new plat, pad diagram, cut & fill, project proposal, directional drill plan & plots are attached.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

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

Signed Crystal Tafoya Crystal Tafoya

Title Regulatory Technician

Date 5/7/2010

(This space for Federal or State Office use)

APPROVED BY Troy L. Salvors

Title Petroleum Engineer

Date 5/27/2010

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

NMOCD 16

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 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 - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30489	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 154N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 7131'

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
F	14	27-N	4-W		1545'	NORTH	2180'	WEST	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
B	14	27-N	4-W		710'	NORTH	1890'	EAST	RIO ARriba

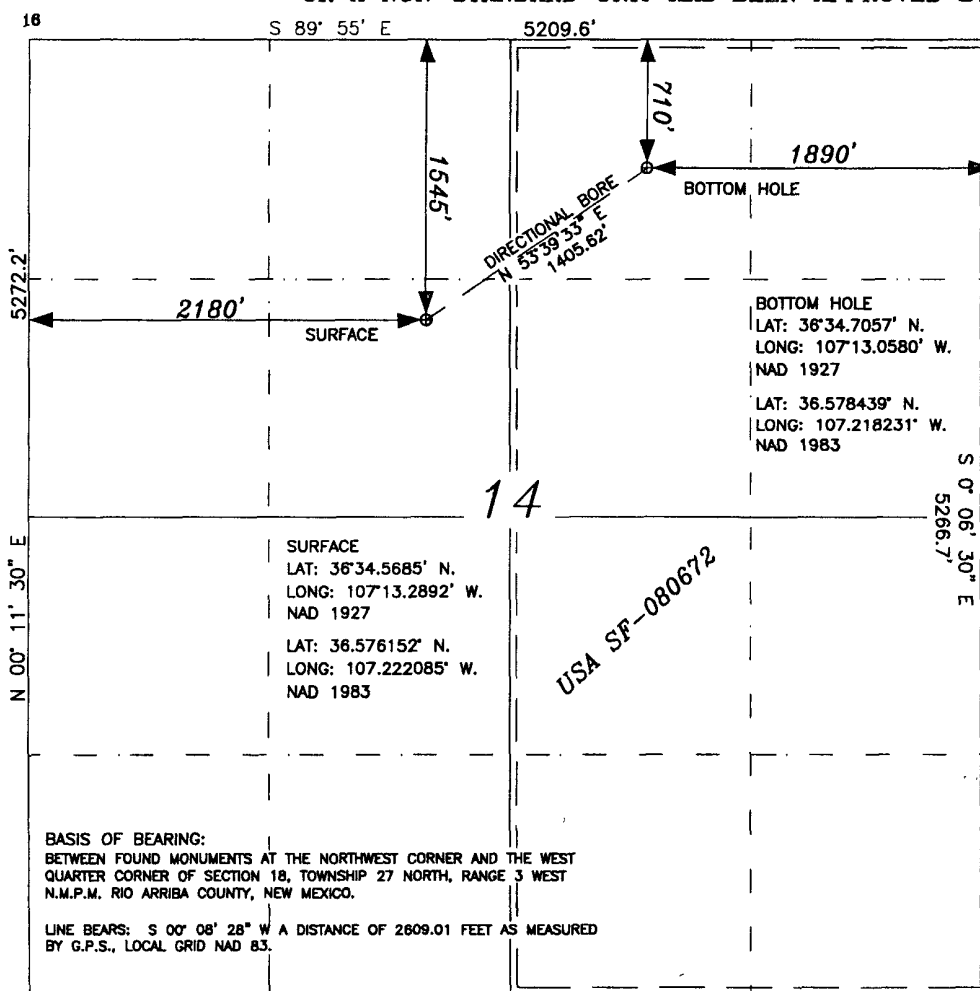
¹²Dedicated Acres
DK 320.0 ACRE E/2
MV 320.0 ACRE E/2

¹³Joint or Infill

¹⁴Consolidation Code

¹⁵Order No.

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



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 5/7/10
Signature
Crystal Tafoya 5/7/2010
Printed Name

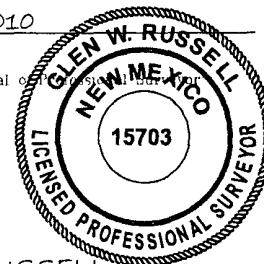
18 SURVEYOR CERTIFICATION

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.

MAY 6, 2010

Date of Survey

Signature and Seal of



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 154N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8360		AFE \$: 1,909,706.20	
Field Name: SAN JUAN 27-4 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface					
Datum Code: NAD 27		Directional			
Latitude: 36.576142	Longitude: -107.221487	X:	Y:	Section: 14	Range: 004W
Footage X: 2180 FWL	Footage Y: 1545 FNL	Elevation: 7136	(FT)	Township: 027N	
Tolerance:					
Location: Bottom Hole					
Datum Code: NAD 27		Directional			
Latitude: 36.578429	Longitude: -107.217633	X:	Y:	Section: 14	Range: 004W
Footage X: 1890 FEL	Footage Y: 710 FNL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 7150 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6950	☐		
OJO ALAMO	3473	3677	☐		
KIRTLAND	3621	3529	☐		
FRUITLAND	3749	3401	☐		Possible Gas
PICTURED CLIFFS	4049	3101	☐		
LEWIS	4164	2986	☐		
Intermediate Casing	4502	2648	☐		
HUERFANITO BENTONITE	4576	2574	☐		
CHACRA	4996	2154	☐		
UPPER CLIFF HOUSE	5561	1589	☐		Gas
MASSIVE CLIFF HOUSE	5741	1409	☐	810	Gas
MENEFEE	5872	1278	☐		
POINT LOOKOUT	6163	987	☐		
MANCOS	6483	667	☐		
GALLUP	7204	-54	☐		
GREENHORN	8144	-994	☐		
GRANEROS	8213	-1063	☐		
TWO WELLS	8267	-1117	☐	1250	Gas
CUBERO	8355	-1205	☐		
LOWER CUBERO	8399	-1249	☐		
OAK CANYON	8446	-1296	☐		
ENCINAL	8467	-1317	☐		

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 154N

DEVELOPMENT

Total Depth	8467	-1317	☐	6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 541 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	27-4 33	SE 33-27N-4W
Production	SJ 27-4 #139M	SE 09-27N-4W
Production	SJ 27-4 #98	SW 10-27N-4W
Production	SJ 27-4 #22	SW 14-27N-4W
Production	SJ 27-4 #3A	SE 15-27N-4W
Production	SJ 27-4 #143A	SE 22-27N-4W

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

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

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

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

ConocoPhillips SJB

San Juan Basin - New Mexico Wells

San Juan 27 Wells

SJ 27-4 #154N

Principal

Plan: Revised 4-14-10

Standard Planning Report

16 April, 2010

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #154N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7149.0ft (Generic Rig RKB)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 7149.0ft (Generic Rig RKB)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #154N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Revised 4-14-10		

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

Well	SJ 27-4 #154N, Revised for Alt. SL(154C)					
Well Position	+N/-S	0.0 ft	Northing:	2,029,536.89 ft	Latitude:	36° 34' 34.110 N
	+E/-W	0.0 ft	Easting:	679,656.33 ft	Longitude:	107° 13' 17.352 W
Position Uncertainty	15.0 ft	Wellhead Elevation:	ft	Ground Level:	7,136.0 ft	

Wellbore	Principal				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2005	12/27/2007	10.09	63.55	51,080

Design	Revised 4-14-10			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	53.64

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	
1,515.7	23.91	53.64	1,481.3	145.8	198.0	2.00	2.00	0.00	53.64	
3,971.0	23.91	53.64	3,725.8	735.9	999.5	0.00	0.00	0.00	0.00	
4,768.1	0.00	0.00	4,500.0	833.1	1,131.5	3.00	-3.00	0.00	180.00	SJ 27-4 #154N - IC
8,735.1	0.00	0.00	8,467.0	833.1	1,131.5	0.00	0.00	0.00	0.00	SJ 27-4 #154N - PC

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #154N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7149.0ft (Generic Rig RKB)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 7149.0ft (Generic Rig RKB)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #154N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Revised 4-14-10		

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	
400.0	1.60	53.64	400.0	0.7	0.9	1.1	2.00	2.00	0.00	
500.0	3.60	53.64	499.9	3.4	4.6	5.7	2.00	2.00	0.00	
600.0	5.60	53.64	599.6	8.1	11.0	13.7	2.00	2.00	0.00	
700.0	7.60	53.64	698.9	14.9	20.3	25.2	2.00	2.00	0.00	
800.0	9.60	53.64	797.8	23.8	32.3	40.1	2.00	2.00	0.00	
900.0	11.60	53.64	896.0	34.7	47.1	58.5	2.00	2.00	0.00	
1,000.0	13.60	53.64	993.6	47.6	64.7	80.3	2.00	2.00	0.00	
1,100.0	15.60	53.64	1,090.4	62.6	85.0	105.5	2.00	2.00	0.00	
1,200.0	17.60	53.64	1,186.2	79.5	108.0	134.1	2.00	2.00	0.00	
1,300.0	19.60	53.64	1,281.0	98.4	133.7	166.0	2.00	2.00	0.00	
1,400.0	21.60	53.64	1,374.6	119.3	162.0	201.2	2.00	2.00	0.00	
1,500.0	23.60	53.64	1,466.9	142.1	192.9	239.6	2.00	2.00	0.00	
1,515.7	23.91	53.64	1,481.3	145.8	198.0	245.9	2.00	2.00	0.00	
1,600.0	23.91	53.64	1,558.3	166.1	225.6	280.1	0.00	0.00	0.00	
1,700.0	23.91	53.64	1,649.8	190.1	258.2	320.6	0.00	0.00	0.00	
1,800.0	23.91	53.64	1,741.2	214.1	290.8	361.2	0.00	0.00	0.00	
1,900.0	23.91	53.64	1,832.6	238.2	323.5	401.7	0.00	0.00	0.00	
2,000.0	23.91	53.64	1,924.0	262.2	356.1	442.2	0.00	0.00	0.00	
2,100.0	23.91	53.64	2,015.4	286.2	388.8	482.8	0.00	0.00	0.00	
2,200.0	23.91	53.64	2,106.8	310.3	421.4	523.3	0.00	0.00	0.00	
2,300.0	23.91	53.64	2,198.3	334.3	454.0	563.8	0.00	0.00	0.00	
2,383.9	23.91	53.64	2,275.0	354.5	481.4	597.9	0.00	0.00	0.00	
Nacimiento										
2,400.0	23.91	53.64	2,289.7	358.3	486.7	604.4	0.00	0.00	0.00	
2,500.0	23.91	53.64	2,381.1	382.4	519.3	644.9	0.00	0.00	0.00	
2,600.0	23.91	53.64	2,472.5	406.4	552.0	685.5	0.00	0.00	0.00	
2,700.0	23.91	53.64	2,563.9	430.4	584.6	726.0	0.00	0.00	0.00	
2,800.0	23.91	53.64	2,655.3	454.5	617.3	766.5	0.00	0.00	0.00	
2,900.0	23.91	53.64	2,746.8	478.5	649.9	807.1	0.00	0.00	0.00	
3,000.0	23.91	53.64	2,838.2	502.5	682.5	847.6	0.00	0.00	0.00	
3,100.0	23.91	53.64	2,929.6	526.6	715.2	888.1	0.00	0.00	0.00	
3,200.0	23.91	53.64	3,021.0	550.6	747.8	928.7	0.00	0.00	0.00	
3,300.0	23.91	53.64	3,112.4	574.7	780.5	969.2	0.00	0.00	0.00	
3,400.0	23.91	53.64	3,203.8	598.7	813.1	1,009.7	0.00	0.00	0.00	
3,500.0	23.91	53.64	3,295.3	622.7	845.7	1,050.3	0.00	0.00	0.00	
3,600.0	23.91	53.64	3,386.7	646.8	878.4	1,090.8	0.00	0.00	0.00	
3,694.4	23.91	53.64	3,473.0	669.5	909.2	1,129.1	0.00	0.00	0.00	
Ojo Alamo										
3,700.0	23.91	53.64	3,478.1	670.8	911.0	1,131.3	0.00	0.00	0.00	
3,800.0	23.91	53.64	3,569.5	694.8	943.7	1,171.9	0.00	0.00	0.00	
3,856.3	23.91	53.64	3,621.0	708.4	962.1	1,194.7	0.00	0.00	0.00	
Kirtland										
3,900.0	23.91	53.64	3,660.9	718.9	976.3	1,212.4	0.00	0.00	0.00	
3,971.0	23.91	53.64	3,725.8	735.9	999.5	1,241.2	0.00	0.00	0.00	
3,996.3	23.15	53.64	3,749.0	741.9	1,007.6	1,251.3	3.00	-3.00	0.00	
Fruitland										
4,000.0	23.04	53.64	3,752.4	742.8	1,008.8	1,252.7	3.00	-3.00	0.00	
4,100.0	20.04	53.64	3,845.4	764.5	1,038.4	1,289.5	3.00	-3.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #154N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 7149 0ft (Generic Rig RKB)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 7149 0ft (Genenc Rig RKB)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #154N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Revised 4-14-10		

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)
4,200.0	17.04	53.64	3,940.2	783.4	1,064.0	1,321.3	3.00	-3.00	0.00
4,300.0	14.04	53.64	4,036.6	799.3	1,085.5	1,348.1	3.00	-3.00	0.00
4,312.8	13.66	53.64	4,049.0	801.1	1,088.0	1,351.1	3.00	-3.00	0.00
Pisture Cliffs									
4,400.0	11.04	53.64	4,134.2	812.2	1,103.0	1,369.8	3.00	-3.00	0.00
4,430.4	10.13	53.64	4,164.0	815.5	1,107.5	1,375.3	3.00	-3.00	0.00
Lewis									
4,500.0	8.04	53.64	4,232.8	822.0	1,116.4	1,386.3	3.00	-3.00	0.00
4,600.0	5.04	53.64	4,332.1	828.7	1,125.6	1,397.7	3.00	-3.00	0.00
4,700.0	2.04	53.64	4,431.9	832.4	1,130.5	1,403.9	3.00	-3.00	0.00
4,768.1	0.00	53.64	4,500.0	833.1	1,131.5	1,405.1	3.00	-3.00	0.00
7 in csg - SJ 27-4 #154N - ICP									
4,800.0	0.00	0.00	4,531.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
4,844.1	0.00	0.00	4,576.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Huerfano Bentonite									
4,900.0	0.00	0.00	4,631.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,731.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,100.0	0.00	0.00	4,831.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,200.0	0.00	0.00	4,931.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,264.1	0.00	0.00	4,996.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Chacra									
5,300.0	0.00	0.00	5,031.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,131.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,231.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,331.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,431.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,531.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
5,829.1	0.00	0.00	5,561.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Upper Cliff House									
5,900.0	0.00	0.00	5,631.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,731.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,009.1	0.00	0.00	5,741.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Massive Cliff House									
6,100.0	0.00	0.00	5,831.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,140.1	0.00	0.00	5,872.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Menefee									
6,200.0	0.00	0.00	5,931.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,031.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,131.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,431.1	0.00	0.00	6,163.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Point Lookout									
6,500.0	0.00	0.00	6,231.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,331.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,431.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,751.1	0.00	0.00	6,483.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Mancos									
6,800.0	0.00	0.00	6,531.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,631.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,731.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,831.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,200.0	0.00	0.00	6,931.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,031.9	833.1	1,131.5	1,405.1	0.00	0.00	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 #154N
 Wellbore: Principal
 Design: Revised 4-14-10

Local Co-ordinate Reference: Well SJ 27-4 #154N
 TVD Reference: WELL @ 7149.0ft (Generic Rig RKB)
 MD Reference: WELL @ 7149.0ft (Generic Rig RKB)
 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)
7,400.0	0.00	0.00	7,131.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,472.1	0.00	0.00	7,204.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Gallup									
7,500.0	0.00	0.00	7,231.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,331.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,431.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,531.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,631.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,731.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,831.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,200.0	0.00	0.00	7,931.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,031.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,131.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,412.1	0.00	0.00	8,144.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Greenhorn									
8,481.1	0.00	0.00	8,213.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Graneros									
8,500.0	0.00	0.00	8,231.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,535.1	0.00	0.00	8,267.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Two Wells									
8,600.0	0.00	0.00	8,331.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,623.1	0.00	0.00	8,355.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Upper Cubero									
8,667.1	0.00	0.00	8,399.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Lower Cubero									
8,700.0	0.00	0.00	8,431.9	833.1	1,131.5	1,405.1	0.00	0.00	0.00
8,714.1	0.00	0.00	8,446.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Oak Canyon									
8,735.1	0.00	0.00	8,467.0	833.1	1,131.5	1,405.1	0.00	0.00	0.00
Encinal - 4-1/2" csg - SJ 27-4 #154N - 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 27-4 #154N - PCP	- plan hits target center	0.00	0.00	8,467.0	833.1	1,131.5	2,030,377.13	680,782.45	36° 34' 42.348 N	107° 13' 3.480 W
- Point										
SJ 27-4 #154N - ICP	- plan hits target center	0.00	0.00	4,500.0	833.1	1,131.5	2,030,377.16	680,782.46	36° 34' 42.348 N	107° 13' 3.480 W
- Point										

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
8,735.1	8,467.0	4-1/2" csg	0	6-1/4
4,768.1	4,500.0	7 in csg	7	8-3/4

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-4 #154N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 7149.0ft (Generic Rig RKB)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 7149.0ft (Generic Rig RKB)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-4 #154N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal		
Design:	Revised 4-14-10		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,667.1	8,399.0	Lower Cubero		0.00		
4,430.4	4,164.0	Lewis		0.00		
4,844.1	4,576.0	Huerfano Bentonite		0.00		
6,751.1	6,483.0	Mancos		0.00		
6,140.1	5,872.0	Menefee		0.00		
3,856.3	3,621.0	Kirtland		0.00		
8,412.1	8,144.0	Greenhorn		0.00		
3,996.3	3,749.0	Fruitland		0.00		
5,264.1	4,996.0	Chacra		0.00		
6,009.1	5,741.0	Massive Cliff House		0.00		
2,383.9	2,275.0	Nacimiento		0.00		
8,535.1	8,267.0	Two Wells		0.00		
4,312.8	4,049.0	Pisture Cliffs		0.00		
3,694.4	3,473.0	Ojo Alamo		0.00		
8,735.1	8,467.0	Encinal		0.00		
7,472.1	7,204.0	Gallup		0.00		
8,714.1	8,446.0	Oak Canyon		0.00		
6,431.1	6,163.0	Point Lookout		0.00		
8,623.1	8,355.0	Upper Cubero		0.00		
5,829.1	5,561.0	Upper Cliff House		0.00		
8,481.1	8,213.0	Graneros		0.00		

REFERENCE INFORMATION

WELL @ 7149.0ft (Generic Rig RKB)
Ground Elevation 7136.0
Reference Lat: 36° 34' 34.110 N
Reference Long: 107° 13' 17.352 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 27 Wells
Well: SJ 27-4 #154N
Wellbore: Principal
Design: Revised 4-14-10

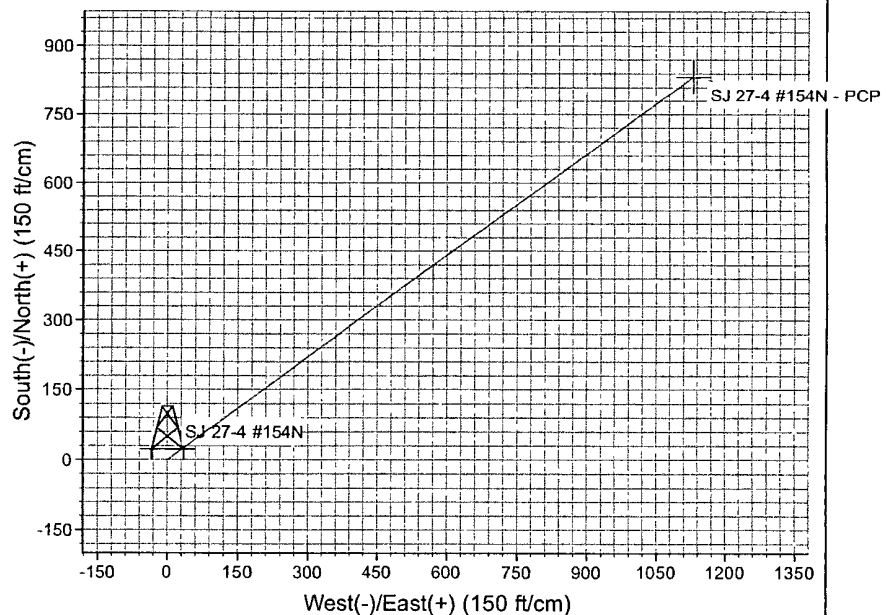
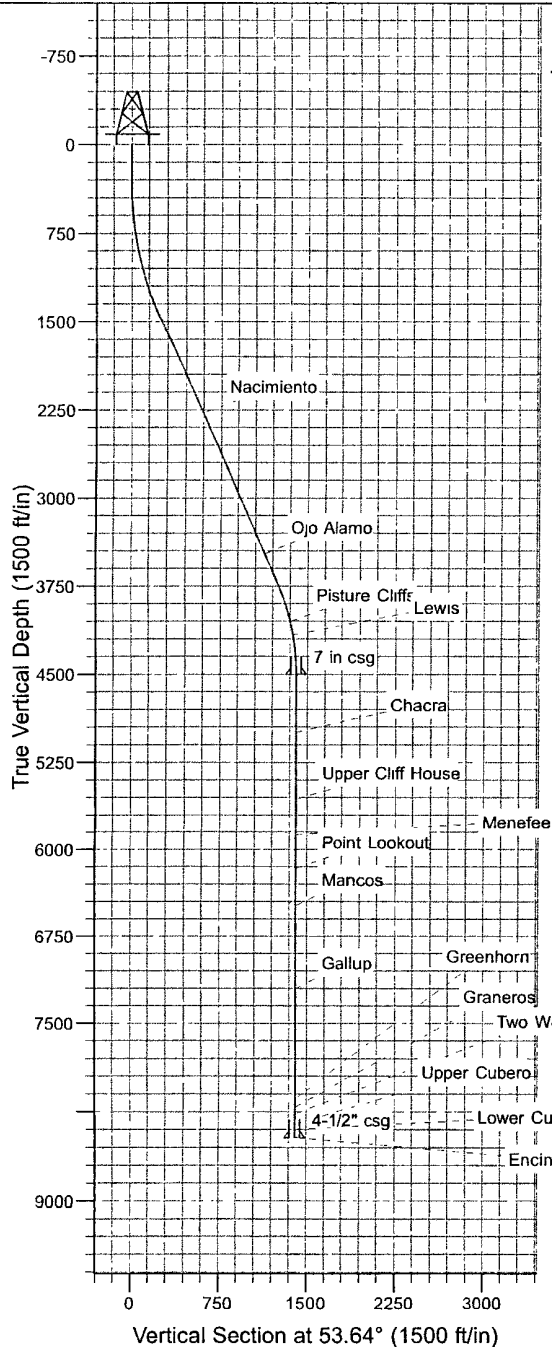
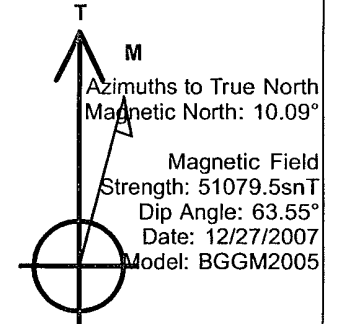


SECTION DETAILS

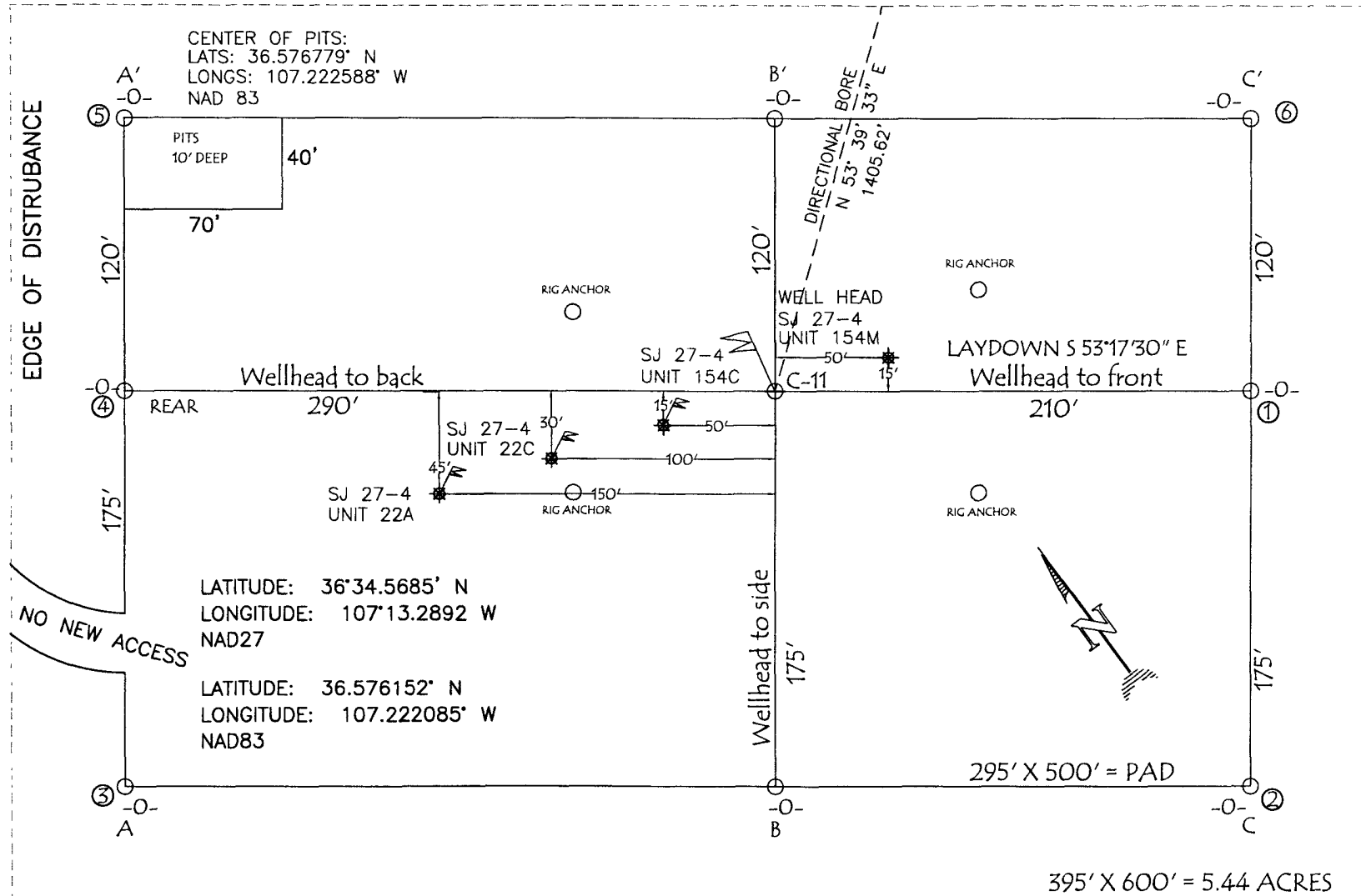
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1515.7	23.91	53.64	1481.3	145.8	198.0	2.00	53.64	245.9	
4	3971.0	23.91	53.64	3725.8	735.9	999.5	0.00	0.00	1241.2	
5	4768.1	0.00	0.00	4500.0	833.1	1131.5	3.00	180.00	1405.1	SJ 27-4 #154N - ICP
6	8735.1	0.00	0.00	8467.0	833.1	1131.5	0.00	0.00	1405.1	SJ 27-4 #154N - PCP

FORMATION TOP DETAILS

VDP	MD	Path	Formation
2275.0	2383.9		Nacimiento
3473.0	3694.4		Ojo Alamo
3621.0	3856.3		Kirtland
3749.0	3996.3		Fruitland
4049.0	4312.8		Pisture Cliffs
4164.0	4430.4		Lewis
4576.0	4844.1		Huerfanito Bentonite
4996.0	5264.1		Chacra
5561.0	5829.1		Upper Cliff House
5741.0	6009.1		Massive Cliff House
5872.0	6140.1		Menefee
6163.0	6431.1		Point Lookout
6483.0	6751.1		Mancos
7204.0	7472.1		Gallup
8144.0	8412.1		Greenhorn
8213.0	8481.1		Graneros
8267.0	8535.1		Two Wells
8355.0	8623.1		Upper Cubero
8399.0	8667.1		Lower Cubero
8446.0	8714.1		Oak Canyon
8467.0	8735.1		Encinal



BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 27-4 UNIT #154N, 1545' FNL & 2180' FWL
SECTION 14, T-27- N, R-4-W, NMPM, RIO ARriba COUNTY, NM
GROUND ELEVATION: 7131', DATE: MAY 31, 2007



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
 SAN JUAN 27-4 UNIT #154N, 1545' FNL & 2180' FWL
 SECTION 14, T-27- N, R-4-W, NMPM, RIO ARriba COUNTY, NM
 GROUND ELEVATION: 7131', DATE: MAY 31, 2007

ELEV. A'-A

C/L

7150						
7140						
7130						
7120						

ELEV. B'-B

C/L

7150						
7140						
7130						
7120						

ELEV. C'-C

C/L

7150						
7140						
7130						
7120						

NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
 CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
 PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

107°15'00" W

107°14'00" W

WGS84 107°13'00" W

36°35'00" N

36°35'00" N

36°34'00" N

36°34'00" N

36°33'00" N

36°33'00" N

BURLINGTON RESOURCES OIL & GAS COMPANY, LP

CAN SAN JUAN 27-4 UNIT #154N

1545' FNL & 2180' FWL

SEC. 14, T27N R4W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

APD MAP

NO NEW FOREST ACCESS

SAN JUAN 27-4 UNIT #154N

EXISTING ACCESS

Map created with TOPOLOGIC ©2007 National Geographic

107°15'00" W

107°14'00" W

WGS84 107°13'00" W

NATIONAL
GEOGRAPHIC

0.0 0.5 miles
0.0 0.5 1.0 km

TN* MN
10°
04/27/10

Directions from the Post Office
In Blanco, NM
to
Burlington Resources Oil & Gas Company LP
SAN JUAN 27-4 UNIT #154N
1545' FNL & 2180' FWL,
Section 14, T27N, R4W, N.M.P.M., Rio Arriba County,
New Mexico

Latitude: 36° 34' 34.15" N
Longitude: 107° 13' 19.51" W
Nad 83

From the Post Office In Blanco, NM
Take Highway 64 East for 27.6 miles
Turn right (southerly) on General American for 1.1 miles,
Turn right (southerly) 3.4 miles to the
Four Corners Intersection,
Continue straight (southerly) 3.9 miles,
Turn left (southeasterly) @ y-intersection 3.6 miles,
Turn right (southerly) 0.5 miles,
Turn left (southerly) 0.7 miles across Cotton Wood Crossing,
Turn left (easterly) 1.8 miles,
Stay left (northerly) @ y-intersec 0.7 miles,
Stay right (easterly) 1.1 miles, around water hole,
Turn right (southeasterly) 0.6 miles,
Turn left (easterly-southeasterly) on forest road 315 6.0 miles,
To forest road 314,
Turn left (northerly) on forest road 314 through
Ahogadero Canyon 2.6 miles,
Turn right (northeasterly) 1.0 miles,
To beginning on new access on right (south) side of road,
Which continues 1515' to the newly staked location.