

RECEIVED

SEP 24 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-080712-A Unit Reporting Number NMNM-78420A-MV
1b. Type of Well GAS	6. If Indian, All. or Tribe NMNM-78420A-MV
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	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 30-6 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD MAR 29 '11 OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit P(SESE), 1000' FSL & 880' FEL Surface: Unit J(NWSE), 1835' FSL & 1825' FEL Surface: Latitude: 36.779123° N (NAD83) Longitude: 107.498296° W Bottomhole: Latitude: 36.781417° N (NAD83) Longitude: 107.501521° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 30, T30N, R6W API # 30-039- 30996
14. Distance in Miles from Nearest Town 35.5 Miles from Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 880'	
16. Acres in Lease 1,886.900	17. Acres Assigned to Well 320.00 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 68' from San Juan 30-6 Unit 51A	
19. Proposed Depth 8273'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6857' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Brandie Blakley</u> Brandie Blakley (Staff Regulatory Tech)	<u>9-23-10</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 3/17/11

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 07 2011

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

Hold C104
for Directional Survey
and "As Drilled" plat

PC

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30996	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30 - 6 UNIT	⁶ Well Number 51B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6857'

¹⁰ Surface Location

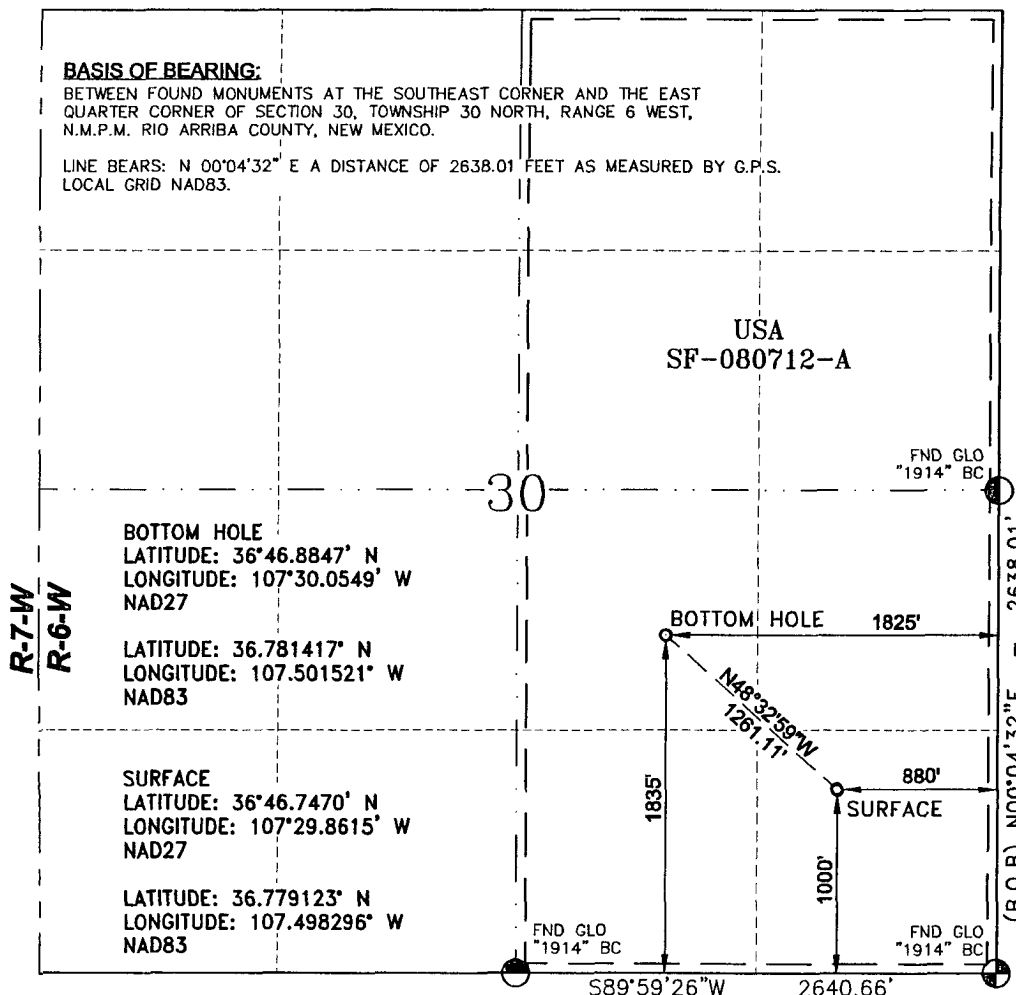
UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	30-N	6-W		1000	SOUTH	880	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
J	30	30-N	6-W		1835	SOUTH	1825	EAST	RIO ARriba
¹² Dedicated Acres MV 320.00 ACRES E/2 DK 320.00 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order 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

16



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.

Brandie Blakley
Signature
BrandieBlakley 9-23-10
Printed Name

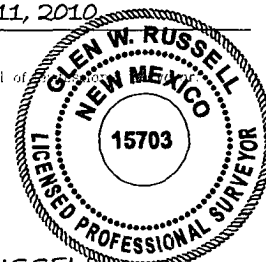
18 SURVEYOR CERTIFICATION

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.

FEBRUARY 11, 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 30-6 UNIT 51B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9395				AFE \$: 1,029,285.36	
Field Name: SAN JUAN		Rig: H&P Rig 282		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.779117	Longitude: -107.497691	X:	Y:	Section: 30		Range: 006W	
Footage X: 880 FEL	Footage Y: 1000 FSL	Elevation: 6857	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.781411	Longitude: -107.500916	X:	Y:	Section: 30		Range: 006W	
Footage X: 1825 FEL	Footage Y: 1835 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6873 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6673		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1601	5272		☐			
OJO ALAMO	2887	3986		☐			
KIRTLAND	2999	3874		☐			
FRUITLAND	3336	3537		☐			Possible Gas
PICTURED CLIFFS	3786	3087		☐			
LEWIS	3851	3022		☐			
Intermediate Casing	3951	2922		☐	125		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 961 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4493	2380		☐			
CHACRA	4823	2050		☐			Est. Top Perf - 4824 (2048)
UPPER CLIFF HOUSE	5482	1391		☐			Gas; Cliffhouse is dry
MASSIVE CLIFF HOUSE	5605	1268		☐	361		Gas
MENEFEE	5681	1192		☐			
POINT LOOKOUT	6001	872		☐			
MANCOS	6370	503		☐			
UPPER GALLUP	7243	-370		☐			
GREENHORN	7971	-1098		☐			
GRANEROS	8024	-1151		☐			
TWO WELLS	8107	-1234		☐	3306		Gas
PAGUATE	8156	-1283		☐			
UPPER CUBERO	8158	-1285		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 51B

DEVELOPMENT

LOWER CUBERO	8192	-1319	☐	Est. Btm Perf - 8257 (- 1385) based on offset wells
ENCINAL	8243	-1370	☐	TD - 30' below T/ENCN
Total Depth	8273	-1400	☐	226 6-1/4" hole, 4-1/2" 11:6 ppf, L-80, LTC casing. Cement w/ 588 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 128	30N 6W 29 SW NE SE
Production	SJ 30-6 60B	30N 6W 31 E2 NW NE
Production	SJ 30-6 129	30N 7W 25 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

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6873.0ft (H&P rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6873.0ft (H&P rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #51B	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 30 Wells		
Site Position:		Northing:	2,100,610.50 ft
From:	Lat/Long	Easting:	654,846.83 ft
Position Uncertainty:	3.5 ft	Slot Radius:	"
		Latitude:	36° 46' 18.382 N
		Longitude:	107° 18' 16.710 W
		Grid Convergence:	0.32 °

Well:	SJ 30-6 #51B, Directional "S" Curve, Lewis Included		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 46' 44.820 N
		Longitude:	107° 29' 51.690 W
		Ground Level:	6,857.0 ft

Wellbore:	Principal Wellbore		
Magnetics	Model Name	Sample Date	Declination
	BGGM2009	4/19/2010	9.92
			Dip Angle
			63.61
			Field Strength
			50,928

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
			311.51

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	
1,474.6	34.64	311.51	1,405.5	224.4	-253.5	3.00	3.00	0.00	311.51	
2,501.5	34.64	311.51	2,250.5	611.2	-690.6	0.00	0.00	0.00	0.00	
3,656.1	0.00	0.00	3,336.0	835.6	-944.0	3.00	-3.00	0.00	180.00	SJ 30-6 #51B - VACP
4,271.1	0.00	0.00	3,951.0	835.6	-944.0	0.00	0.00	0.00	0.00	SJ 30-6 #51B - ICP
8,593.1	0.00	0.00	8,273.0	835.6	-944.0	0.00	0.00	0.00	0.00	SJ 30-6 #51B - PCP

ConocoPhillips or its affiliates

Planning Report

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Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6873.0ft (H&P rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6873.0ft (H&P rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #51B	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	311.51	400.0	1.1	-1.3	1.7	3.00	3.00	0.00
500.0	5.40	311.51	499.7	5.6	-6.3	8.5	3.00	3.00	0.00
600.0	8.40	311.51	599.0	13.6	-15.3	20.5	3.00	3.00	0.00
700.0	11.40	311.51	697.5	25.0	-28.2	37.7	3.00	3.00	0.00
800.0	14.40	311.51	795.0	39.8	-44.9	60.0	3.00	3.00	0.00
900.0	17.40	311.51	891.1	57.9	-65.4	87.4	3.00	3.00	0.00
1,000.0	20.40	311.51	985.7	79.4	-89.7	119.8	3.00	3.00	0.00
1,100.0	23.40	311.51	1,078.5	104.1	-117.6	157.1	3.00	3.00	0.00
1,200.0	26.40	311.51	1,169.2	132.0	-149.1	199.2	3.00	3.00	0.00
1,300.0	29.40	311.51	1,257.6	163.0	-184.2	246.0	3.00	3.00	0.00
1,400.0	32.40	311.51	1,343.4	197.1	-222.6	297.3	3.00	3.00	0.00
1,474.6	34.64	311.51	1,405.5	224.4	-253.5	338.5	3.00	3.00	0.00
1,500.0	34.64	311.51	1,426.4	233.9	-264.3	352.9	0.00	0.00	0.00
1,600.0	34.64	311.51	1,508.7	271.6	-306.8	409.8	0.00	0.00	0.00
1,700.0	34.64	311.51	1,591.0	309.3	-349.4	466.6	0.00	0.00	0.00
1,712.2	34.64	311.51	1,601.0	313.8	-354.6	473.5	0.00	0.00	0.00
Nacimiento									
1,800.0	34.64	311.51	1,673.3	346.9	-392.0	523.5	0.00	0.00	0.00
1,900.0	34.64	311.51	1,755.5	384.6	-434.5	580.3	0.00	0.00	0.00
2,000.0	34.64	311.51	1,837.8	422.3	-477.1	637.1	0.00	0.00	0.00
2,100.0	34.64	311.51	1,920.1	460.0	-519.7	694.0	0.00	0.00	0.00
2,200.0	34.64	311.51	2,002.4	497.6	-562.2	750.8	0.00	0.00	0.00
2,300.0	34.64	311.51	2,084.6	535.3	-604.8	807.7	0.00	0.00	0.00
2,400.0	34.64	311.51	2,166.9	573.0	-647.3	864.5	0.00	0.00	0.00
2,501.5	34.64	311.51	2,250.5	611.2	-690.6	922.2	0.00	0.00	0.00
2,600.0	31.68	311.51	2,332.9	646.9	-730.9	976.1	3.00	-3.00	0.00
2,700.0	28.68	311.51	2,419.3	680.2	-768.5	1,026.3	3.00	-3.00	0.00
2,800.0	25.68	311.51	2,508.3	710.5	-802.7	1,072.0	3.00	-3.00	0.00
2,900.0	22.68	311.51	2,599.5	737.7	-833.4	1,113.0	3.00	-3.00	0.00
3,000.0	19.68	311.51	2,692.7	761.6	-860.5	1,149.1	3.00	-3.00	0.00
3,100.0	16.68	311.51	2,787.7	782.3	-883.8	1,180.3	3.00	-3.00	0.00
3,200.0	13.68	311.51	2,884.2	799.6	-903.4	1,206.5	3.00	-3.00	0.00
3,202.9	13.60	311.51	2,887.0	800.1	-903.9	1,207.2	3.00	-3.00	0.00
Ojo Alamo									
3,300.0	10.68	311.51	2,981.9	813.6	-919.2	1,227.6	3.00	-3.00	0.00
3,317.4	10.16	311.51	2,999.0	815.7	-921.6	1,230.7	3.00	-3.00	0.00
Kirtland									
3,400.0	7.68	311.51	3,080.6	824.2	-931.2	1,243.6	3.00	-3.00	0.00
3,469.8	5.59	311.51	3,150.0	829.6	-937.2	1,251.6	3.00	-3.00	0.00
Stage Tool									
3,500.0	4.68	311.51	3,180.0	831.3	-939.3	1,254.3	3.00	-3.00	0.00
3,600.0	1.68	311.51	3,279.9	835.0	-943.4	1,259.9	3.00	-3.00	0.00
3,656.1	0.00	0.00	3,336.0	835.6	-944.0	1,260.7	3.00	-3.00	0.00
Fruitland - SJ 30-6 #51B - VACP									
3,700.0	0.00	0.00	3,379.9	835.6	-944.0	1,260.7	0.00	0.00	0.00
3,800.0	0.00	0.00	3,479.9	835.6	-944.0	1,260.7	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6873.0ft (H&P rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6873.0ft (H&P rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #51B	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)	
3,900.0	0.00	0.00	3,579.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,000.0	0.00	0.00	3,679.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,100.0	0.00	0.00	3,779.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,106.1	0.00	0.00	3,786.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Pictured Cliffs										
4,171.1	0.00	0.00	3,851.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Lewis										
4,200.0	0.00	0.00	3,879.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,271.1	0.00	0.00	3,951.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Int - SJ 30-6 #51B - ICP										
4,300.0	0.00	0.00	3,979.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,079.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,179.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,279.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,379.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,479.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
4,813.1	0.00	0.00	4,493.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Huerfano Bentonite										
4,900.0	0.00	0.00	4,579.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,679.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,779.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,143.1	0.00	0.00	4,823.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Chacra										
5,200.0	0.00	0.00	4,879.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,300.0	0.00	0.00	4,979.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,079.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,179.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,279.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,379.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,479.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,802.1	0.00	0.00	5,482.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Upper Cliffhouse										
5,900.0	0.00	0.00	5,579.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
5,925.1	0.00	0.00	5,605.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Mass. Cliffhouse										
6,000.0	0.00	0.00	5,679.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,001.1	0.00	0.00	5,681.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Menefee										
6,100.0	0.00	0.00	5,779.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,879.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,300.0	0.00	0.00	5,979.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,321.1	0.00	0.00	6,001.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Point Lookout										
6,400.0	0.00	0.00	6,079.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,179.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,279.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,690.1	0.00	0.00	6,370.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Mancos										
6,700.0	0.00	0.00	6,379.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,479.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,579.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,679.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central-Planning	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6873.0ft (H&P rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6873.0ft (H&P rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #51B	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	6,779.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,200.0	0.00	0.00	6,879.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,300.0	0.00	0.00	6,979.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,079.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,179.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,563.1	0.00	0.00	7,243.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Upper Gallup										
7,600.0	0.00	0.00	7,279.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,379.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,479.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,579.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,679.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,779.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,200.0	0.00	0.00	7,879.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,291.1	0.00	0.00	7,971.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Greenhorn										
8,300.0	0.00	0.00	7,979.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,344.1	0.00	0.00	8,024.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Graneros										
8,400.0	0.00	0.00	8,079.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,427.1	0.00	0.00	8,107.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Two Wells										
8,476.1	0.00	0.00	8,156.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Paguete										
8,478.1	0.00	0.00	8,158.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Upper Cubero										
8,500.0	0.00	0.00	8,179.9	835.6	-944.0	1,260.7	0.00	0.00	0.00	
8,512.1	0.00	0.00	8,192.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Lower Cubero										
8,563.1	0.00	0.00	8,243.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Encinal										
8,593.1	0.00	0.00	8,273.0	835.6	-944.0	1,260.7	0.00	0.00	0.00	
Total Depth - Prod SJ 30-6 #51B - PCP										

Targets										
Target Name	hit/miss	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 30-6 #51B - VACP		0.00	0.00	3,336.0	835.6	-944.0	2,103,860.92	597,348.53	36° 46' 53.082 N	107° 30' 3.294 W
- plan hits target center										
- Circle (radius 100.0)										
SJ 30-6 #51B - PCP		0.00	0.00	8,273.0	835.6	-944.0	2,103,860.92	597,348.53	36° 46' 53.082 N	107° 30' 3.294 W
- plan hits target center										
- Circle (radius 100.0)										
SJ 30-6 #51B - ICP		0.00	0.00	3,951.0	835.6	-944.0	2,103,860.92	597,348.53	36° 46' 53.082 N	107° 30' 3.294 W
- plan hits target center										
- Circle (radius 100.0)										

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #51B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6873.0ft (H&P rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6873.0ft (H&P rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #51B	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
230.0	230.0	Surf	9-5/8	12-1/4	
4,271.1	3,951.0	Int	7	8-3/4	
8,593.1	8,273.0	Prod	4-1/2	6-1/4	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
8,563.1	8,243.0	Encinal		0.00		
8,512.1	8,192.0	Lower Cubero		0.00		
5,802.1	5,482.0	Upper Cliffhouse		0.00		
8,427.1	8,107.0	Two Wells		0.00		
8,344.1	8,024.0	Graneros		0.00		
4,171.1	3,851.0	Lewis		0.00		
3,202.9	2,887.0	Ojo Alamo		0.00		
3,656.1	3,336.0	Fruitland		0.00		
8,593.1	8,273.0	Total Depth		0.00		
8,476.1	8,156.0	Paguate		0.00		
6,001.1	5,681.0	Menefee		0.00		
8,291.1	7,971.0	Greenhorn		0.00		
5,143.1	4,823.0	Chacra		0.00		
6,690.1	6,370.0	Mancos		0.00		
6,321.1	6,001.0	Point Lookout		0.00		
1,712.2	1,601.0	Nacimiento		0.00		
3,469.8	3,150.0	Stage Tool		0.00		
8,478.1	8,158.0	Upper Cubero		0.00		
4,813.1	4,493.0	Huerfanito Bentonite		0.00		
7,563.1	7,243.0	Upper Gallup		0.00		
5,925.1	5,605.0	Mass. Cliffhouse		0.00		
4,106.1	3,786.0	Pictured Cliffs		0.00		
3,317.4	2,999.0	Kirtland		0.00		

REFERENCE INFORMATION

RKB @ 6873.0ft (H&P rigs)
Ground Elevation 6857.0
Reference Lat: 36° 46' 44.820 N
Reference Long: 107° 29' 51.690 W

Project: San Juan Basin - New Mexico Well
Site: San Juan 30 Wells
Well: SJ 30-6 #51B
Wellbore: Principal Wellbore
Design: Plan #1

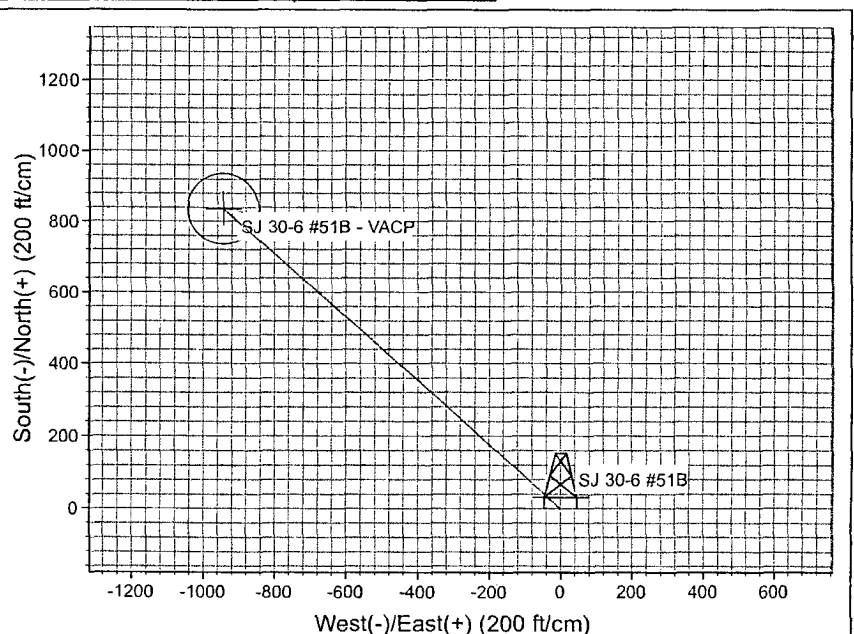
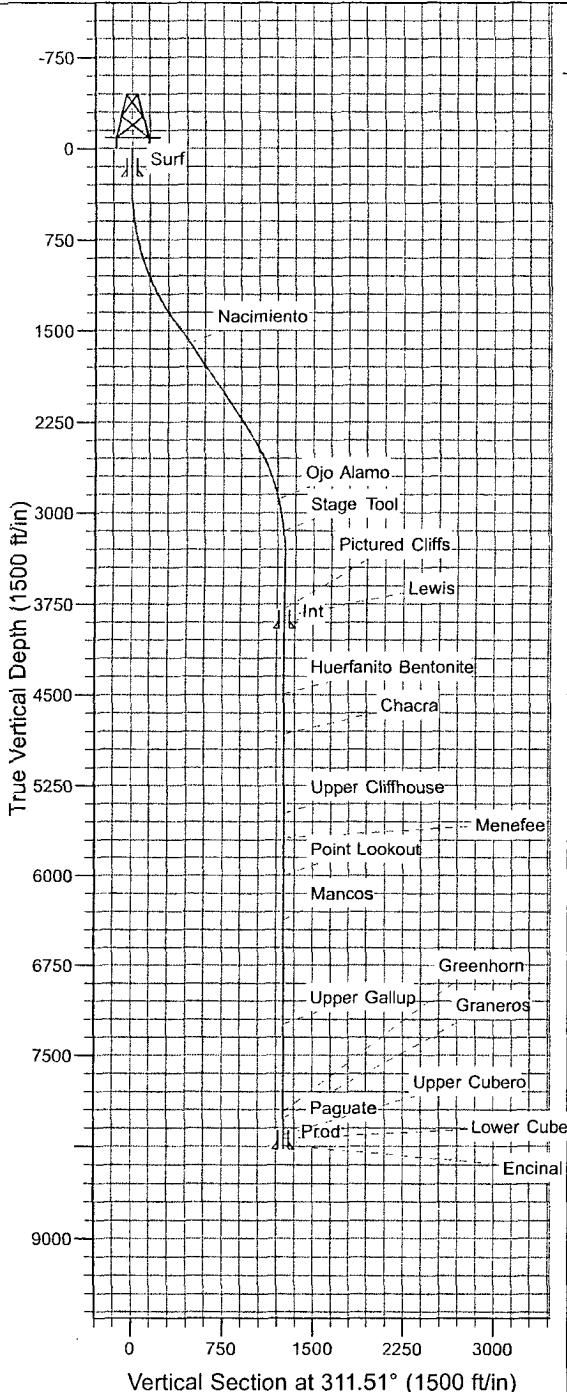
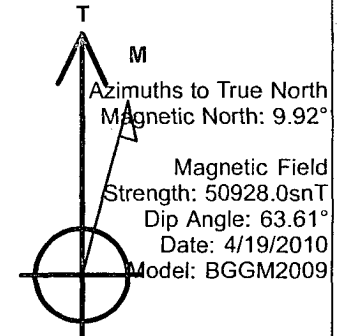
ConocoPhillips

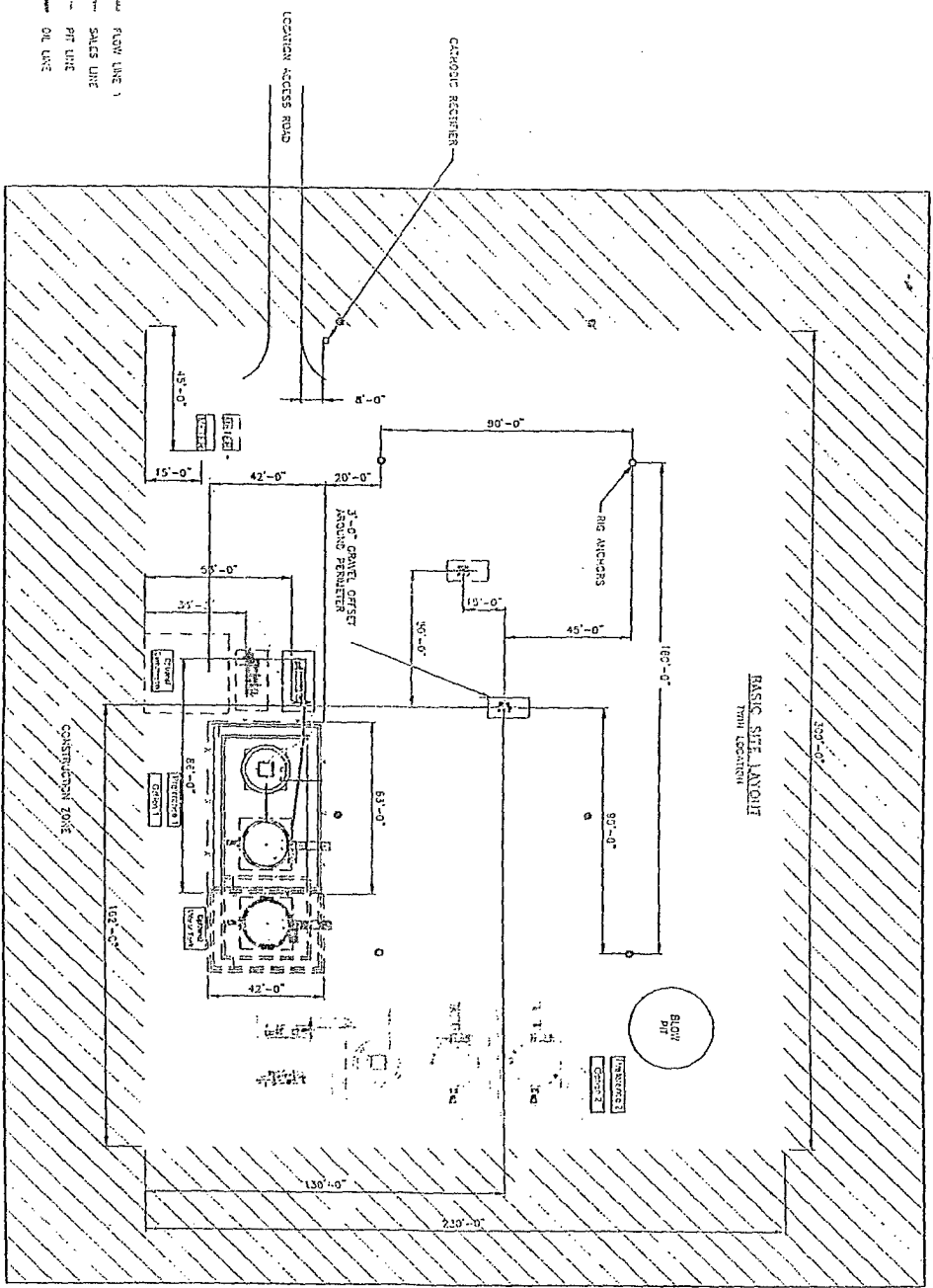
SECTION DETAILS

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	1474.6	34.64	311.51	1405.5	224.4	-253.5	3.00	311.51	338.5	
4	2501.5	34.64	311.51	2250.5	611.2	-690.6	0.00	0.00	922.2	
5	3656.1	0.00	0.00	3336.0	835.6	-944.0	3.00	180.00	1260.7	SJ 30-6 #51B - VACP
6	4271.1	0.00	0.00	3951.0	835.6	-944.0	0.00	0.00	1260.7	SJ 30-6 #51B - ICP
7	8593.1	0.00	0.00	8273.0	835.6	-944.0	0.00	0.00	1260.7	SJ 30-6 #51B - PCP

FORMATION TOP DETAILS

VDPPath	MDPath	Formation
1601.0	1712.2	Nacimiento
2887.0	3202.9	Ojo Alamo
2999.0	3317.4	Kirtland
3150.0	3469.8	Stage Tool
3336.0	3656.1	Fruitland
3786.0	4106.1	Pictured Cliffs
3851.0	4171.1	Lewis
4493.0	4813.1	Huerfanito Bentonite
4823.0	5143.1	Chacra
5482.0	5802.1	Upper Cliffhouse
5605.0	5925.1	Mass. Cliffhouse
5681.0	6001.1	Menefee
6001.0	6321.1	Point Lookout
6370.0	6690.1	Mancos
7243.0	7563.1	Upper Gallup
7971.0	8291.1	Greenhorn
8024.0	8344.1	Graneros
8107.0	8427.1	Two Wells
8156.0	8476.1	Paguate
8158.0	8478.1	Upper Cubero
8192.0	8512.1	Lower Cubero
8243.0	8563.1	Encinal
8273.0	8593.1	Total Depth





FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

SEE PAGE 2 & 3 FOR FURTHER DETAILS
 ALL DIMENSIONS ARE IN FEET AND INCHES

EXISTING ROAD		EXISTING PARKING		SAN JUAN BUSINESS UNIT		CONOCOPHILLIPS HIGH PRESSURE 311455 FACILITY DIAGRAM - SITE LAYOUT	
SECTION	FEET	SECTION	FEET	SECTION	FEET	SECTION	FEET
1	15	1	15	1	15	1	15
2	15	2	15	2	15	2	15
3	15	3	15	3	15	3	15
4	15	4	15	4	15	4	15
5	15	5	15	5	15	5	15
6	15	6	15	6	15	6	15
7	15	7	15	7	15	7	15
8	15	8	15	8	15	8	15
9	15	9	15	9	15	9	15
10	15	10	15	10	15	10	15
11	15	11	15	11	15	11	15
12	15	12	15	12	15	12	15
13	15	13	15	13	15	13	15
14	15	14	15	14	15	14	15
15	15	15	15	15	15	15	15
16	15	16	15	16	15	16	15
17	15	17	15	17	15	17	15
18	15	18	15	18	15	18	15
19	15	19	15	19	15	19	15
20	15	20	15	20	15	20	15
21	15	21	15	21	15	21	15
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25	15	25	15	25	15	25	15
26	15	26	15	26	15	26	15
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39	15	39	15	39	15	39	15
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98	15	98	15	98	15	98	15
99	15	99	15	99	15	99	15
100	15	100	15	100	15	100	15

Directions from the Post Office
in Blanco, NM
to
BURLINGTON RESOURCES OIL & GAS COMPANY LP
SAN JUAN 30-6 UNIT #51B
1000' FSL & 880' FEL,
Section 30, T30N, R6W, N.M.P.M., Rio Arriba County,
New Mexico
Lat: 36° 46' 44.843" N
Long: 107° 29' 53.867" W
Nad 1983

From the Intersection of Hwy 64 & 550
Take Highway 64 East for 24.0 miles to Hwy 539,
Turn left (northerly) on Hwy 539 for 2.2 miles to Smith Pass Rd
Turn right (easterly) on Smith Pass Road for 3.1 miles,
To top of Smith Pass,
Turn right at y-intersection (southeasterly) 4.3 miles,
Turn left (northeasterly) 0.25 miles,
Stay left (northeasterly) 0.1 miles,
Stay left (northerly) 0.2 miles,
Turn right (southeasterly) 300',
Turn left (northeasterly) 0.7 miles,
Stay right (northerly) 0.4 miles,
Turn left (westerly) 0.2 miles,
Turn right (northerly) 0.1 miles,
To newly staked location twinned on existing well pad,
SAN JUAN 30-6 UNIT #51A.