

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

SEP 27 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-080711-A Unit Reporting Number NMMN-78420A-MV	
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 30-6 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 57B	
4. Location of Well Surface: Unit P(SESE), 880' FSL & 870' FEL Surface: Unit M(SWSW), 710' FSL & 710' FWL Surface: Latitude: 36.77879° N (NAD83) Longitude: 107.51628° W BHL : Latitude: 36.77833° N (NAD83) Longitude: 107.51089° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 25, T30N, R7W BHL : Sec. 30, T30N, R6W API# 30-039-31091	
14. Distance in Miles from Nearest Town 13 miles to Navajo City	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	17. Acres Assigned to Well 320.00 acres (W/2)	
16. Acres in Lease 924.530	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 70' SJ 30-6 unit 129 (DK)	
19. Proposed Depth 7738'	20. Rotary or Cable Tools Rotary	OIL CONS. DIV.
21. Elevations (DF, FT, GR, Etc.) 6266' GL	22. Approx. Date Work will Start DIST. 2	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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.

BLM'S Example Master Plan Type 3
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

Bond Numbers NMB-000015 and NMB-000089

NMOC

NOV 21 2011

This action is subject to technical and procedural review pursuant to 43 CFR 3160.3 and appeal pursuant to 43 CFR 3160.3-1. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS.

Hold C104
NOTIFY AZTEC OCD 24 HRS
PRIOR TO CASING & CEMENT

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

Instructions on back
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- 31091	² Pool Code 72319 / 71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7470	⁵ Property Name SAN JUAN 30-6 UNIT	⁶ Well Number 57B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6266'

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
P	25	30N	7W		880	SOUTH	870	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
M	30	30N	6W		710	SOUTH	710	WEST	RIO ARRIBA

¹² Dedicated Acres 320.0 Acres - (W/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

GRID NORTH
00°11'23"
TRUE NORTH
04°49'16"
MAGNETIC NORTH



SURFACE LOCATION
LAT: 36°46.7270' N
LONG: 107°30.9405' W
DATUM: NAD1927

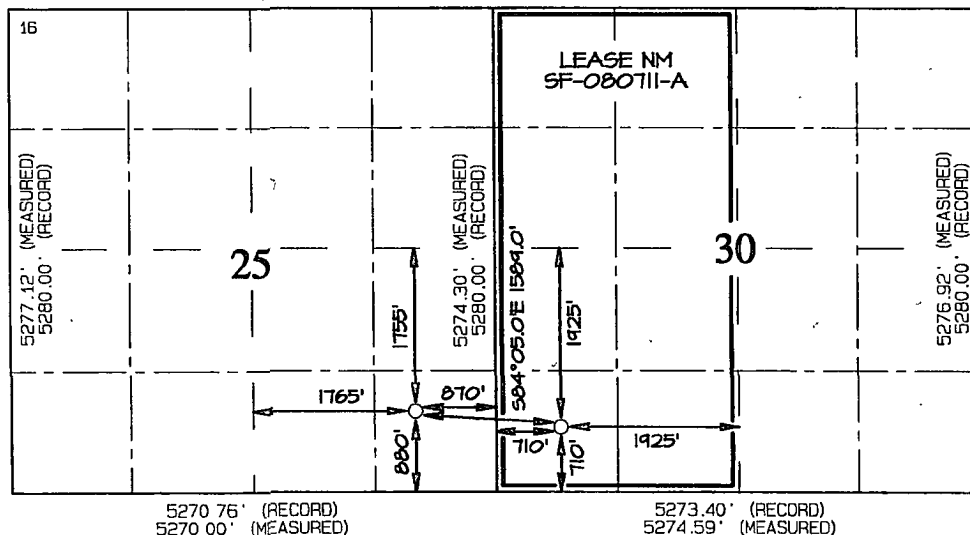
BOTTOM-HOLE
LAT: 36°46.6991' N
LONG: 107°30.6168' W
DATUM: NAD1927

LAT: 36.77879' N
LONG: 107.51628' W
DATUM: NAD1983

LAT: 36.77833' N
LONG: 107.51089' W
DATUM: NAD1983

5279.24' (MEASURED)
5283.95' (RECORD)

5278.73' (MEASURED)
5280.00' (RECORD)



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.

Brandie Blakley 3-2-11
Signature Date

Brandie Blakley

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.

Date of Survey: AUGUST 31, 2010

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 57B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9206				AFE \$:	
Field Name: SAN JUAN 30-6 UNIT		Rig: Aztec Rig 920		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: 36.778784	Longitude: -107.515674	X:	Y:	Section: 25	Range: 007W		
Footage X: 870 FEL	Footage Y: 880 FSL	Elevation: 6266	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole		Datum Code: NAD 27				Directional	
Latitude: 36.778324	Longitude: -107.510284	X:	Y:	Section: 30	Range: 006W		
Footage X: 710 FWL	Footage Y: 710 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 = 6281 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6081	200	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	913	5368		☐			
OJO ALAMO	2275	4006		☐			
KIRTLAND	2385	3896		☐			
FRUITLAND	2756	3525		☐			Possible Gas
PICTURED CLIFFS	3200	3081		☐			
LEWIS	3301	2980		☐			
HUERFANITO BENTONITE	3896	2385		☐			
Intermediate Casing	4150	2131	4526	☐	129		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1022 cuft. Circulate cement to surface.
CHACRA	4212	2069		☐			Est. Top Perf - 4215 (2067)
UPPER CLIFF HOUSE	4922	1359		☐			Gas; Cliffhouse is dry
MASSIVE CLIFF HOUSE	5042	1239		☐	354		Gas
MENEFEE	5091	1190		☐			
POINT LOOKOUT	5433	848		☐			
MANCOS	5745	536		☐			
UPPER GALLUP	6642	-361		☐			
GREENHORN	7378	-1097		☐			
GRANEROS	7432	-1151		☐			
TWO WELLS	7513	-1232		☐	3373		Gas
PAGUATE	7564	-1283		☐			
UPPER CUBERO	7567	-1286		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 57B

DEVELOPMENT

LOWER CUBERO	7602	-1321	☐	
ENCINAL	7658	-1377	☐	TD - 80' below T/ENCN; Est. Btm Perf - 7723 (- 1442) based on offset wells
Total Depth	7738	-1457	8114	☐ 227 6-1/4" hole, 4-1/2" 11.6 ppf L-80, LTC casing. Cement w/ 460 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 Unit 129	30N 7W 25 NW SE SE
Production	SJ 30-6 Unit 76A	30N 7W 24 NE SW SE
Production	SJ 30-6 Unit 60B	30N 6W 31 E2 NW NE

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 SJB

San Juan Basin - New Mexico Central Wells

San Juan 30 Wells

SJ 30-6 #57B

SJ 30-6 #57B

Plan: Plan #1

Standard Planning Report

14 September, 2011

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #57B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6281.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 6281.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #57B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #57B		
Design:	Plan #1		

Project:	San Juan Basin - New Mexico Central 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 Central 3002		Using geodetic scale factor

Site:		San Juan 30 Wells, Township 30			
Site Position:		Northing:	2,105,283.49ft	Latitude:	36° 46' 42.851 N
From:	Lat/Long	Easting:	113,791.42ft	Longitude:	107° 34' 7.456 W
Position Uncertainty:	3.5 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0 79 °

Well	SJ 30-6 #57B, Directional S Curve - Long Step Out					
Well Position	+N/-S	0.0 ft	Northing:	2,105,151.39 ft	Latitude:	36° 46' 43.620 N
	+E/-W	0.0 ft	Easting:	129,333.28 ft	Longitude:	107° 30' 56.430 W
Position Uncertainty		3.0 ft	Wellhead Elevation:	ft	Ground Level:	6,266.0 ft

Wellbore:	SJ 30-6 #57B				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2010	9/14/2011	9.75	63.57	50,756

Design:	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	96.11

Plan Sections:										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100ft)	(°/100ft)	(°/100ft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,339.5	29.69	96.11	1,295.8	-26.7	249.2	3.00	3.00	0.00	96.11	
3,536.1	29.69	96.11	3,204.2	-142.6	1,330.9	0.00	0.00	0.00	0.00	
4,525.6	0.00	0.00	4,150.0	-169.2	1,580.1	3.00	-3.00	0.00	180.00	SJ 30-6 #57B ICP
8,113.6	0.00	0.00	7,738.0	-169.2	1,580.1	0.00	0.00	0.00	0.00	SJ 30-6 #57B PCP

ConocoPhillips or its affiliates

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Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 6281.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #57B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #57B		
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
Surface Casing									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	96.11	400.0	-0.1	0.7	0.7	3.00	3.00	0.00
500.0	4.50	96.11	499.8	-0.6	5.9	5.9	3.00	3.00	0.00
600.0	7.50	96.11	599.3	-1.7	16.2	16.3	3.00	3.00	0.00
700.0	10.50	96.11	698.0	-3.4	31.8	32.0	3.00	3.00	0.00
800.0	13.50	96.11	795.8	-5.6	52.5	52.8	3.00	3.00	0.00
900.0	16.50	96.11	892.4	-8.4	78.2	78.6	3.00	3.00	0.00
921.5	17.14	96.11	913.0	-9.0	84.4	84.9	3.00	3.00	0.00
Nacimiento									
1,000.0	19.50	96.11	987.5	-11.7	108.9	109.5	3.00	3.00	0.00
1,100.0	22.50	96.11	1,080.9	-15.5	144.6	145.4	3.00	3.00	0.00
1,200.0	25.50	96.11	1,172.2	-19.8	185.0	186.0	3.00	3.00	0.00
1,300.0	28.50	96.11	1,261.3	-24.6	230.1	231.4	3.00	3.00	0.00
1,339.5	29.69	96.11	1,295.8	-26.7	249.2	250.7	3.00	3.00	0.00
1,400.0	29.69	96.11	1,348.4	-29.9	279.0	280.6	0.00	0.00	0.00
1,500.0	29.69	96.11	1,435.3	-35.2	328.3	330.1	0.00	0.00	0.00
1,600.0	29.69	96.11	1,522.1	-40.4	377.5	379.7	0.00	0.00	0.00
1,700.0	29.69	96.11	1,609.0	-45.7	426.7	429.2	0.00	0.00	0.00
1,800.0	29.69	96.11	1,695.9	-51.0	476.0	478.7	0.00	0.00	0.00
1,900.0	29.69	96.11	1,782.8	-56.3	525.2	528.2	0.00	0.00	0.00
2,000.0	29.69	96.11	1,869.6	-61.5	574.5	577.8	0.00	0.00	0.00
2,100.0	29.69	96.11	1,956.5	-66.8	623.7	627.3	0.00	0.00	0.00
2,200.0	29.69	96.11	2,043.4	-72.1	672.9	676.8	0.00	0.00	0.00
2,300.0	29.69	96.11	2,130.3	-77.4	722.2	726.3	0.00	0.00	0.00
2,400.0	29.69	96.11	2,217.1	-82.6	771.4	775.8	0.00	0.00	0.00
2,466.6	29.69	96.11	2,275.0	-86.1	804.2	808.8	0.00	0.00	0.00
Ojo Alamo									
2,500.0	29.69	96.11	2,304.0	-87.9	820.7	825.4	0.00	0.00	0.00
2,593.2	29.69	96.11	2,385.0	-92.8	866.6	871.5	0.00	0.00	0.00
Kirtland									
2,600.0	29.69	96.11	2,390.9	-93.2	869.9	874.9	0.00	0.00	0.00
2,700.0	29.69	96.11	2,477.8	-98.5	919.2	924.4	0.00	0.00	0.00
2,800.0	29.69	96.11	2,564.6	-103.7	968.4	973.9	0.00	0.00	0.00
2,900.0	29.69	96.11	2,651.5	-109.0	1,017.6	1,023.5	0.00	0.00	0.00
3,000.0	29.69	96.11	2,738.4	-114.3	1,066.9	1,073.0	0.00	0.00	0.00
3,020.3	29.69	96.11	2,756.0	-115.3	1,076.9	1,083.0	0.00	0.00	0.00
Fruitland									
3,100.0	29.69	96.11	2,825.3	-119.6	1,116.1	1,122.5	0.00	0.00	0.00
3,200.0	29.69	96.11	2,912.1	-124.8	1,165.4	1,172.0	0.00	0.00	0.00
3,300.0	29.69	96.11	2,999.0	-130.1	1,214.6	1,221.6	0.00	0.00	0.00
3,400.0	29.69	96.11	3,085.9	-135.4	1,263.9	1,271.1	0.00	0.00	0.00
3,500.0	29.69	96.11	3,172.8	-140.6	1,313.1	1,320.6	0.00	0.00	0.00
3,531.3	29.69	96.11	3,200.0	-142.3	1,328.5	1,336.1	0.00	0.00	0.00
PC									
3,536.1	29.69	96.11	3,204.2	-142.6	1,330.9	1,338.5	0.00	0.00	0.00
3,600.0	27.77	96.11	3,260.2	-145.8	1,361.4	1,369.2	3.00	-3.00	0.00
3,645.9	26.39	96.11	3,301.0	-148.0	1,382.2	1,390.1	3.00	-3.00	0.00
Lewis									

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #57B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6281.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 6281.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #57B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #57B		
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)
3,700.0	24.77	96.11	3,349.8	-150.5	1,405.4	1,413.4	3.00	-3.00	0.00
3,800.0	21.77	96.11	3,441.7	-154.7	1,444.7	1,452.9	3.00	-3.00	0.00
3,900.0	18.77	96.11	3,535.5	-158.4	1,479.1	1,487.6	3.00	-3.00	0.00
4,000.0	15.77	96.11	3,631.0	-161.6	1,508.6	1,517.3	3.00	-3.00	0.00
4,100.0	12.77	96.11	3,727.9	-164.2	1,533.1	1,541.9	3.00	-3.00	0.00
4,200.0	9.77	96.11	3,825.9	-166.3	1,552.6	1,561.5	3.00	-3.00	0.00
4,270.9	7.64	96.11	3,896.0	-167.4	1,563.2	1,572.2	3.00	-3.00	0.00
Huerfanito Bentonite									
4,300.0	6.77	96.11	3,924.9	-167.8	1,566.9	1,575.8	3.00	-3.00	0.00
4,400.0	3.77	96.11	4,024.4	-168.8	1,576.0	1,585.0	3.00	-3.00	0.00
4,500.0	0.77	96.11	4,124.4	-169.2	1,579.9	1,589.0	3.00	-3.00	0.00
4,525.6	0.00	0.00	4,150.0	-169.2	1,580.1	1,589.2	3.00	-3.00	-374.76
Intermediate Casing - SJ 30-6 #57B ICP									
4,587.6	0.00	0.00	4,212.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Chacra									
4,600.0	0.00	0.00	4,224.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
4,700.0	0.00	0.00	4,324.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
4,800.0	0.00	0.00	4,424.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,524.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,000.0	0.00	0.00	4,624.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,100.0	0.00	0.00	4,724.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,200.0	0.00	0.00	4,824.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,297.6	0.00	0.00	4,922.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Upper Cliff House									
5,300.0	0.00	0.00	4,924.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,024.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,417.6	0.00	0.00	5,042.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Massive Cliff House									
5,466.6	0.00	0.00	5,091.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Menefee									
5,500.0	0.00	0.00	5,124.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,224.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,324.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,424.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
5,808.6	0.00	0.00	5,433.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Point Lookout									
5,900.0	0.00	0.00	5,524.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,624.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,100.0	0.00	0.00	5,724.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,120.6	0.00	0.00	5,745.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Mancos									
6,200.0	0.00	0.00	5,824.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,300.0	0.00	0.00	5,924.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,024.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,124.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,224.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,324.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,800.0	0.00	0.00	6,424.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
6,900.0	0.00	0.00	6,524.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,000.0	0.00	0.00	6,624.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,017.6	0.00	0.00	6,642.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Gallup									
7,100.0	0.00	0.00	6,724.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 30-6 #57B
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6281.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 6281 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #57B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #57B		
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)
7,200.0	0.00	0.00	6,824.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,300.0	0.00	0.00	6,924.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,024.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,124.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,224.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,324.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,753.6	0.00	0.00	7,378.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Greenhorn									
7,800.0	0.00	0.00	7,424.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,807.6	0.00	0.00	7,432.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Graneros									
7,888.6	0.00	0.00	7,513.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Two Wells									
7,900.0	0.00	0.00	7,524.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
7,939.6	0.00	0.00	7,564.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Paguate									
7,942.6	0.00	0.00	7,567.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Upper Cubero									
7,977.6	0.00	0.00	7,602.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Lower Cubero									
8,000.0	0.00	0.00	7,624.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
8,033.6	0.00	0.00	7,658.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Encinal									
8,100.0	0.00	0.00	7,724.4	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
8,113.6	0.00	0.00	7,738.0	-169.2	1,580.1	1,589.2	0.00	0.00	0.00
Production Casing - SJ 30-6 #57B 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 30-6 #57B ICP	- plan hits target center	0.00	0.00	4,150.0	-169.2	1,580.1	2,104,961.24	130,911.11	36° 46' 41.946 N 107° 30' 37.008 W
- Point									
SJ 30-6 #57B PCP	- plan hits target center	0.00	0.00	7,738.0	-169.2	1,580.1	2,104,961.29	130,911.09	36° 46' 41.946 N 107° 30' 37.008 W
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	Surface Casing	9-5/8	12-1/4	
4,525.6	4,150.0	Intermediate Casing	7	8-3/4	
8,113.6	7,738.0	Production Casing	4-1/2	6-1/4	

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Coordinate Reference:	Well SJ 30-6 #57B
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6281.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Central Wells	MD Reference:	RKB @ 6281 0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #57B	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 30-6 #57B		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Direction (°)	
7,753.6	7,378.0	Greenhorn		0.00		
4,270.9	3,896.0	Huerfanito Bentonite		0.00		
4,587.6	4,212.0	Chacra		0.00		
6,120.6	5,745.0	Mancos		0.00		
5,297.6	4,922.0	Upper Cliff House		0.00		
3,645.9	3,301.0	Lewis		0.00		
7,942.6	7,567.0	Upper Cubero		0.00		
921.5	913.0	Nacimiento		0.00		
2,466.6	2,275.0	Ojo Alamo		0.00		
2,593.2	2,385.0	Kirtland		0.00		
8,033.6	7,658.0	Encinal		0.00		
7,977.6	7,602.0	Lower Cubero		0.00		
7,017.6	6,642.0	Gallup		0.00		
7,807.6	7,432.0	Graneros		0.00		
3,531.3	3,200.0	PC		0.00		
7,939.6	7,564.0	Paguate		0.00		
5,808.6	5,433.0	Point Lookout		0.00		
5,417.6	5,042.0	Massive Cliff House		0.00		
7,888.6	7,513.0	Two Wells		0.00		
3,020.3	2,756.0	Fruitland		0.00		
5,466.6	5,091.0	Menefee		0.00		

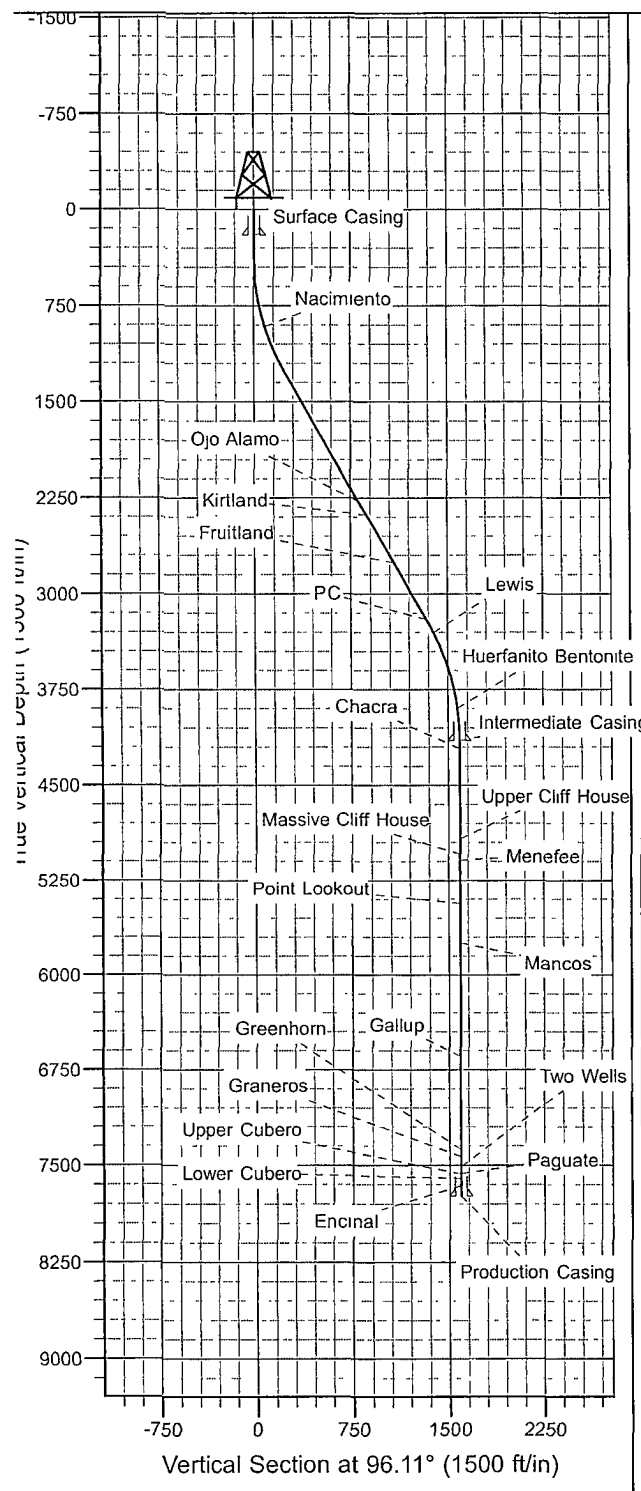
KB @ 6281.0ft (Original Well Elev)
 round Elevation 6266.0
 Reference Lat: 36° 46' 43.620 N
 Reference Long: 107° 30' 56.430 W

Site: San Juan 30 Wells
 Well: SJ 30-6 #57B
 Wellbore: SJ 30-6 #57B
 Design: Plan #1



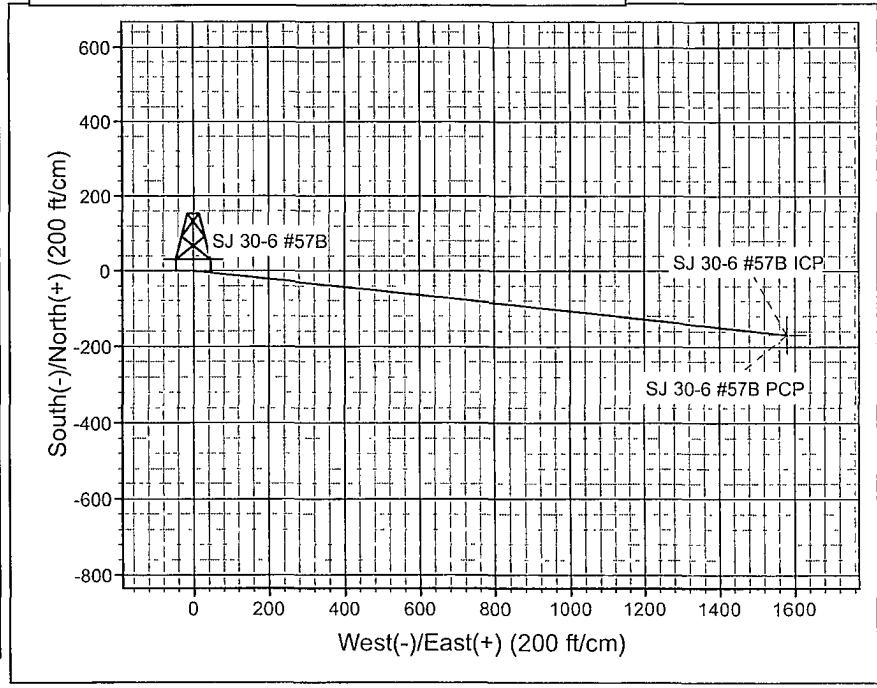
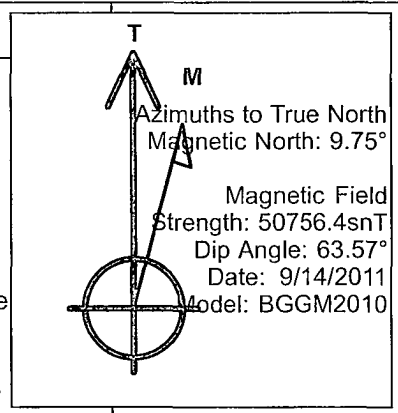
SECTION DETAILS

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	350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	
3	1339.5	29.69	96.11	1295.8	-26.7	249.2	3.00	96.11	250.7	
4	3536.1	29.69	96.11	3204.2	-142.6	1330.9	0.00	0.00	1338.5	
5	4525.6	0.00	0.00	4150.0	-169.2	1580.1	3.00	180.00	1589.2	SJ 30-6 #57B ICP
6	8113.6	0.00	0.00	7738.0	-169.2	1580.1	0.00	0.00	1589.2	SJ 30-6 #57B PCP



FORMATION TOP DETAILS

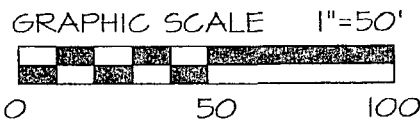
TVDP	Path	MD	Path	Formation
913.0		921.5		Nacimiento
2275.0		2466.6		Ojo Alamo
2385.0		2593.2		Kirtland
2756.0		3020.3		Fruitland
3200.0		3531.3		PC
3301.0		3645.9		Lewis
3896.0		4270.9		Huerfanito Bentonite
4212.0		4587.6		Chacra
4922.0		5297.6		Upper Cliff House
5042.0		5417.6		Massive Cliff House
5091.0		5466.6		Menefee
5433.0		5808.6		Point Lookout
5745.0		6120.6		Mancos
6642.0		7017.6		Gallup
7378.0		7753.6		Greenhorn
7432.0		7807.6		Graneros
7513.0		7888.6		Two Wells
7564.0		7939.6		Paguate
7567.0		7942.6		Upper Cubero
7602.0		7977.6		Lower Cubero
7658.0		8033.6		Encinal



~ SURFACE OWNER ~

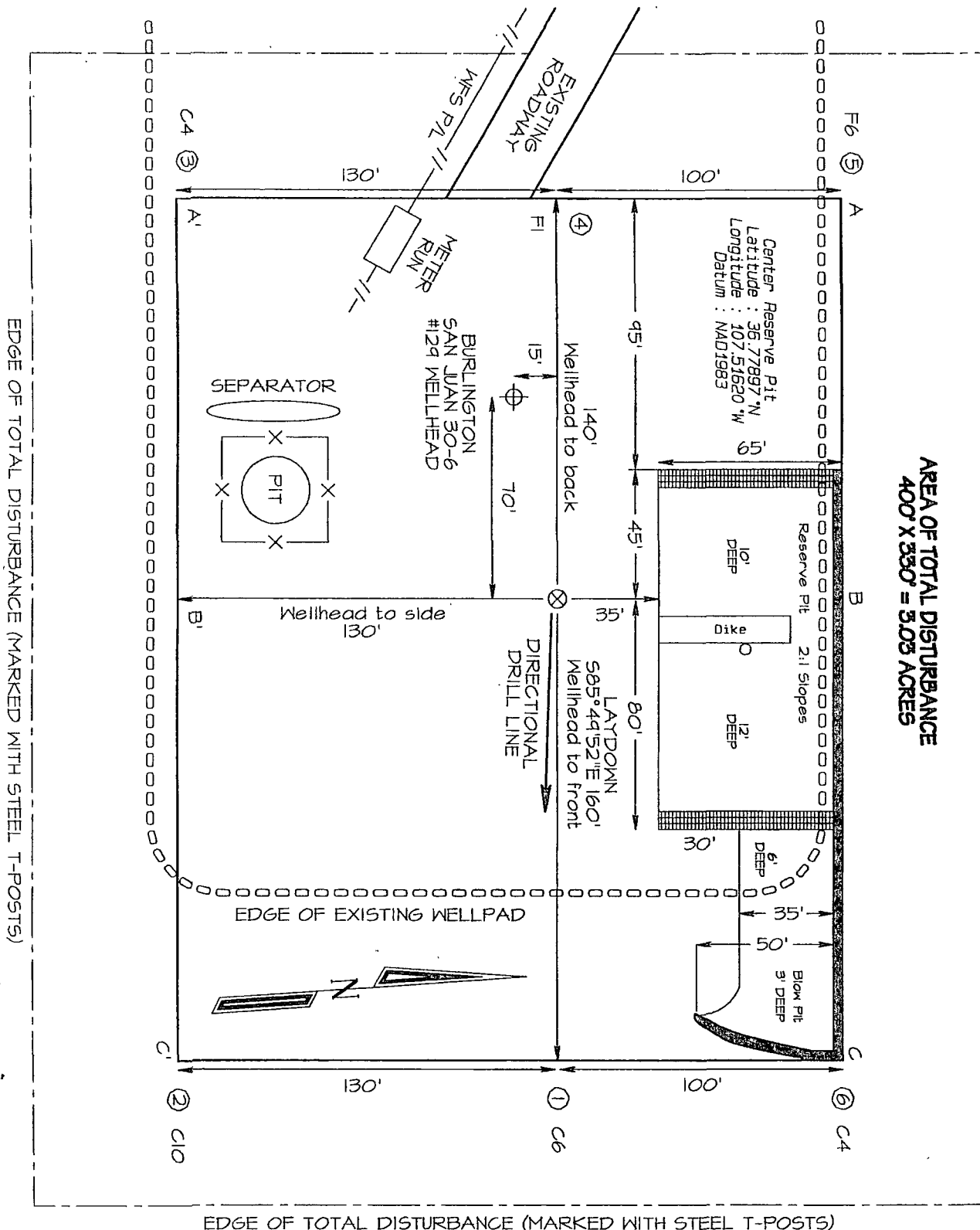
Bureau of Land Management

LATITUDE: 36°46.7270'N
LONGITUDE: 107°30.9405'W
DATUM: NAD1927



BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 30-6 #57B
880' FSL & 870' FEL, SECTION 25, T30N, R7W, NMPM
RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6266'

AREA OF TOTAL DISTURBANCE
400' X 330' = 3.03 ACRES



EDGE OF TOTAL DISTURBANCE (MARKED WITH STEEL T-POSTS)

NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELLPAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

Directions from the Intersection of US Hwy 550 & State Hwy 64 in Bloomfield, NM
to Burlington Resources Oil & Gas Company San Juan 30-6 Unit #57B
880' FSL & 870' FEL, Section 25, T30N, R7W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.77879°N Longitude : 107.51628°W Datum : NAD1983

From the intersection of US Hwy 550 & State Hwy 64 in Bloomfield, NM, travel Easterly on State Hwy 64 for 24.0 miles to State Highway 539;

Go left (North-easterly) on State Highway 539 for 3.9 miles;

Go right (North-easterly) on DeLasso Loos Road for 6.8 miles to State Highway 527 (Sims Highway);

Go right (South-easterly) on State Highway 527 for 0.3 miles to fork in road;

Go right (Southerly) for 0.7 miles to fork in road;

Go left (South-easterly) for 0.7 miles to staked location which overlaps an existing wellpad.