

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 28 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Management
Farmington Field

1a. Type of Work DRILL	5. Lease Number SF-079383 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 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 96N	
4. Location of Well Surf: Unit H(ENE), 2565' FNL & 153' FEL Bottomhole: G(SWNE), 2430' FNL & 1390' FEL Surf: Latitude: 36.783800° N (NAD83) Longitude: 107.53.6060° W Bottomhole: Latitude: 36.783800° N (NAD83) Longitude: 107.531838° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T30N, R7W API # 30-039-30836	
14. Distance in Miles from Nearest Town 51 miles from Bloomfield	12. County Rio Arriba	13. State NM RCVD NOV 9 '09 OIL CONS. DIV. DIST. 3
15. Distance from Proposed Location to Nearest Property or Lease Line 52' from San Juan 30-6 Unit 96B (MV/DK)	17. Acres Assigned to Well MV/DK 320.00 (E/2)	
16. Acres in Lease 2,240.00		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 153'		
19. Proposed Depth 7692'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6253' GL	22. Approx. Date Work will Start 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 10/28/2009	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

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

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

DRILLING OPERATIONS AUTHORIZED AND
SUBJECT TO COMPLIANCE WITH ATR for Directional Survey
"GENERAL REQUIREMENTS". and "As Drilled" plat

NOV 17 2009

NMOCD

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

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

Fee Lease - 3 Copies

☐ AMENDED REPORT

Bureau of Land Management
EDUCATION PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30836	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7469	⁵ Property Name SAN JUAN 30-8 UNIT	⁶ Well Number 96N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6253

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
H	26	30-N	7-W		2565	NORTH	153	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
G	26	30-N	7-W		2430	NORTH	1390	EAST	RIO ARriba

12	Dedicated Acres E/2320.00	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

E/2 DEDICATED ACREAGE
USA SF-079383
SECTION 26,
T-30-N, R-7-W

BOTTOM HOLE
NAD 83
LAT: 36.784167° N
LONG: 107.538080° W
NAD 27
LAT: 36°47.048683' N
LONG: 107°32.127247' W

WELL FLAG
NAD 83
LAT: 36.783800° N
LONG: 107.531838° W
NAD 27
LAT: 36°47.027688' N
LONG: 107°31.873900' W

N 84°00'50" W
1243.7'

2430'

1390'

2565'

153'

GLO 1914

N 0°01' W
N 0°14'19" W
2840.0'
2840.0'

FD. N 89°47' W
W.C. N 89°43'57" E

5281.3' (R)
5256.0' (M)

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.

Marcy Monroe

Signature

Tracey N. Monroe
Printed Name

Staff Reg Tech
Title and E-mail Address

Date *6/14/09*

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: 5/13/09
Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
1338
02/02/09

Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 96N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9023		AFE \$: 1,706,989.53	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface Datum Code: NAD 27 Directional					
Latitude: 36.783794	Longitude: -107.531232	X:	Y:	Section: 26	Range: 007W
Footage X: 153 FEL	Footage Y: 2565 FNL	Elevation: 6253	(FT)	Township: 030N	
Tolerance:					
Location: Bottom Hole Datum Code: NAD 27 Directional					
Latitude: 36.784161	Longitude: -107.535453	X:	Y:	Section: 26	Range: 007W
Footage X: 1390 FEL	Footage Y: 2430 FNL	Elevation:	(FT)	Township: 030N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6268 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6068	☐		
					12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 119 cuft. Circulate cement to surface.
NACIMIENTO	878	5390	☐		
OJO ALAMO	2134	4134	☐		
KIRTLAND	2258	4010	☐		
FRUITLAND	2702	3566	☐		Possible Gas
PICTURED CLIFFS	3176	3092	☐		
LEWIS	3275	2993	☐		
Intermediate Casing	3800	2468	☐		
					8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 917 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3872	2396	☐		
CHACRA	4186	2082	☐		Est. Top Perf - 4187 (2080)
UPPER CLIFF HOUSE	4767	1501	☐		Gas
MASSIVE CLIFF HOUSE	5003	1265	☐	328	Gas
MENEFEE	5052	1216	☐		
POINT LOOKOUT	5394	874	☐		
MANCOS	5717	551	☐		
UPPER GALLUP	6661	-393	☐		
GREENHORN	7363	-1095	☐		
GRANEROS	7416	-1148	☐		
TWO WELLS	7490	-1222	☐	3436	Gas
PAGUATE	7536	-1268	☐		
UPPER CUBERO	7558	-1290	☐		
LOWER CUBERO	7592	-1324	☐		Est. Btm Perf - 7676 (-1409) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 96N

DEVELOPMENT

ENCINAL	7662	-1394	☐	TD - 30' below T/ENCN
Total Depth	7692	-1424	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 531 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-6 409	30N 7W 25 NE NW SW
Production	SJ 30-6 96B	30N 7W 26 SE SE NE
Production	SJ 30-6 96A	30N 7W 26 NE NE SE
Production	SJ 30-6 95B	30N 7W 23 SE NE NW

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 GRHN 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 #96N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6268.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6268.0ft (Original Well Elev)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #96N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,397.6	2,258.0	Kirtland		0.00	
2,905.6	2,702.0	Fruitland		0.00	
3,433.5	3,176.0	Pictured Cliffs		0.00	
5,036.2	4,767.0	Upper Cliff House		0.00	
5,272.2	5,003.0	Massive Cliff House		0.00	
7,632.2	7,363.0	Greenhorn		0.00	
4,141.2	3,872.0	Huerfano Bentonite		0.00	
5,321.2	5,052.0	Menefee		0.00	
7,759.2	7,490.0	Two Wells		0.00	
881.5	878.0	Nacimiento		0.00	
5,986.2	5,717.0	Mancos		0.00	
2,255.7	2,134.0	Ojo Alamo		0.00	
5,663.2	5,394.0	Point Lookout		0.00	
4,455.2	4,186.0	Chacra		0.00	
3,537.3	3,275.0	Lewis		0.00	
7,827.2	7,558.0	Upper Cubero		0.00	
6,930.2	6,661.0	Upper Gallup		0.00	
7,861.2	7,592.0	Lower Cubero		0.00	
7,685.2	7,416.0	Graneros		0.00	
7,805.2	7,536.0	Paguate		0.00	
7,931.2	7,662.0	Encinal		0.00	

REFERENCE INFORMATION

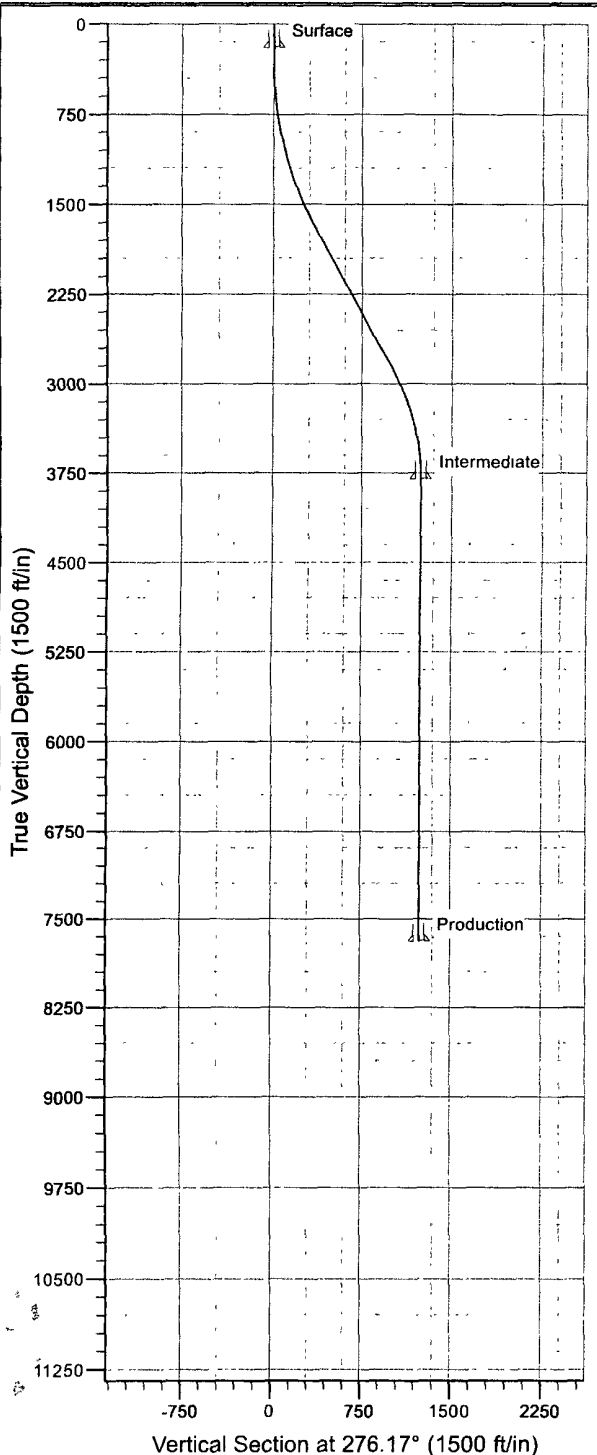
RKB @ 6268.0ft (Original Well Elev)
Ground Elevation 6253.0
Reference Lat: 36° 47' 1.660 N
Reference Long: 107° 31' 52.434 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #96N
Wellbore: Principal Wellbore
Design: Plan #1

ConocoPhillips

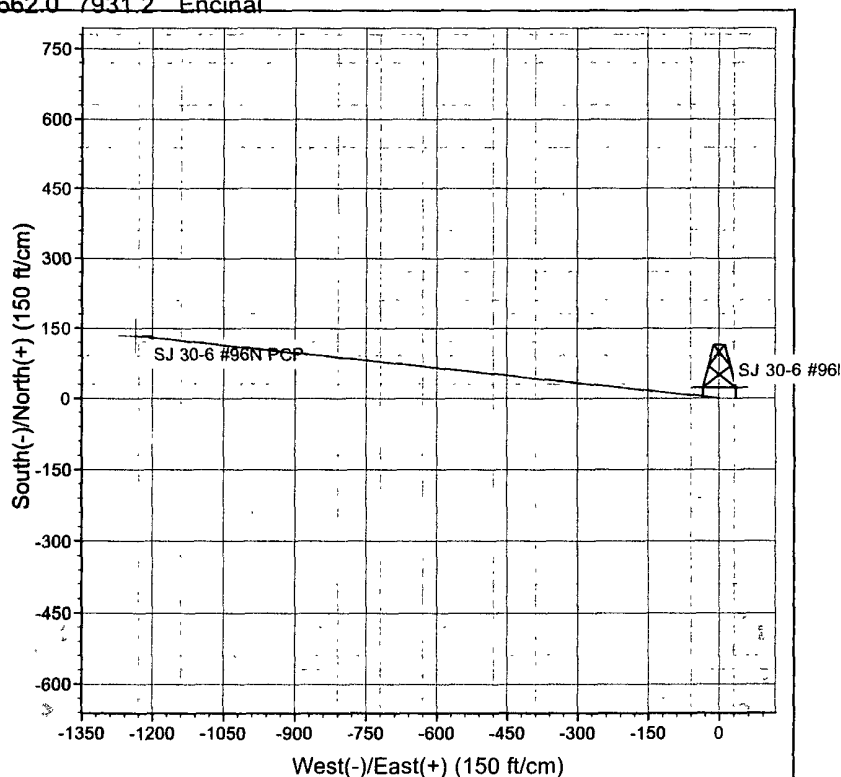
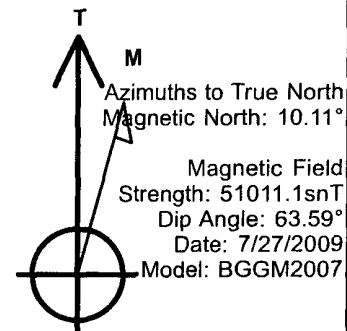
SECTION DETAILS

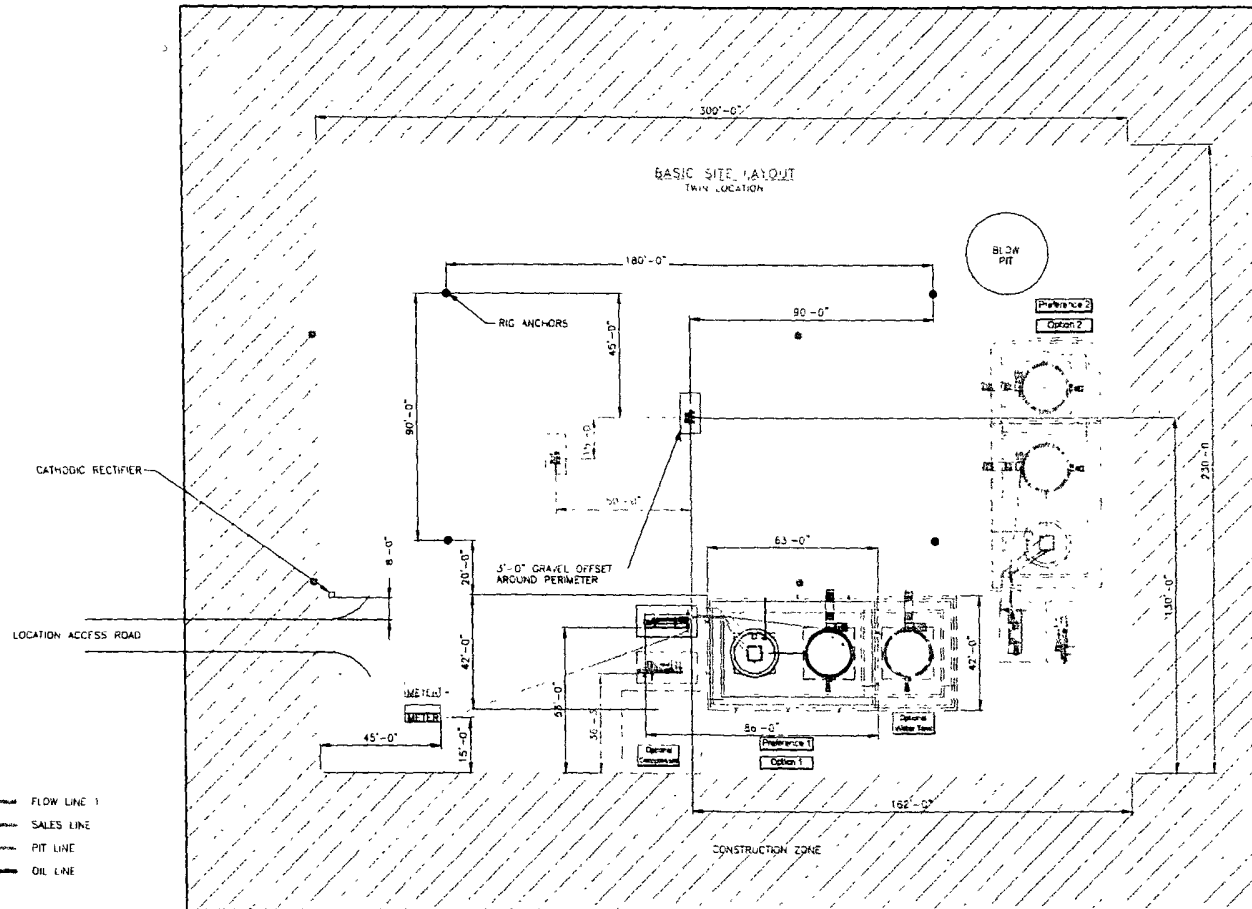
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	325.0	0.00	0.00	325.0	0.0	0.0	0.00	0.00	0.0	
3	1778.9	29.08	276.17	1717.2	38.8	-359.0	2.00	276.17	361.1	
4	3099.9	29.08	276.17	2871.8	107.8	-997.3	0.00	0.00	1003.1	
5	4069.2	0.00	0.00	3800.0	133.6	-1236.6	3.00	180.00	1243.8	SJ 30-6 #96N ICP
6	7961.2	0.00	0.00	7692.0	133.6	-1236.6	0.00	0.00	1243.8	SJ 30-6 #96N PCP



FORMATION TOP DETAILS

TVDP	MD	Path	Formation
878.0	881.5		Nacimiento
2134.0	2255.7		Ojo Alamo
2258.0	2397.6		Kirtland
2702.0	2905.6		Fruitland
3176.0	3433.5		Pictured Cliffs
3275.0	3537.3		Lewis
3872.0	4141.2		Huerfano Bentonite
4186.0	4455.2		Chacra
4767.0	5036.2		Upper Cliff House
5003.0	5272.2		Massive Cliff House
5052.0	5321.2		Menefee
5394.0	5663.2		Point Lookout
5717.0	5986.2		Mancos
6661.0	6930.2		Upper Gallup
7363.0	7632.2		Greenhorn
7416.0	7685.2		Graneros
7490.0	7759.2		Two Wells
7536.0	7805.2		Paguate
7558.0	7827.2		Upper Cubero
7592.0	7861.2		Lower Cubero
7662.0	7931.2		Encinal





SEE SHEET 3 & 4 FOR PPAC DETAILS
ALL UNDERGROUND UPL IS TO BE BURIED A MIN OF 2'-0\"/>

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCOPhillips		CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION			CLIENT NO.	CLIENT APPRO.	DATE	
										PROCESS										
										MECHANICAL										
										PIPING										
										ELECTRICAL										
										INSTRUMENTATION										
										CIVIL/STRUCTURAL										
										PROJECT										
DESCRIPTION										DATE	BY	CHK'D	ENC	DISC	PU	SAN JUAN BUSINESS UNIT		DRAWN BY	DATE	BY
																</				

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #96N

2565' FNL, 153' FEL

SECTION 26, T-30-N, R-7-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.783800°N LONG.: 107.531838°W

ELEV.: 6253 NAVD88

NO NEW ACCESS

FROM BLOOMFIELD, N.M.:

- GO 37.7 MI. EAST ON HWY. 64 TO MILE MARKER 102.3 TURN LEFT ON STATE HWY. 527 (SIMMS MARINA ROAD).
- GO 11.8 MI. NORTHWEST ON HWY. 527. TURN LEFT.
- GO 1.0 MI. SOUTH TO EXISTING LOCATION SJ 30-6 UNIT #96B.
- WELL STAKED AS TWIN ON THIS PAD.