

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 28 2010

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078741 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 RCVD MAY 21 '10 9. Well Number 3N OIL CONS. DIV. DIST. 3	
4. Location of Well Surface: Unit J(NWSE), 2631' FSL & 1255' FEL Bottomhole: Unit K(NESW), 2590' FSL & 1930' FWL Surface: Latitude: 36.79809° N (NAD83) Longitude: 107.41206° W Bottomhole: Latitude: 36.79797° N (NAD83) Longitude: 107.41664° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 24, T30N, R6W API # 30-039-30965	
14. Distance in Miles from Nearest Town 45 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1255''	17. Acres Assigned to Well 320.00 W/2 - MV/DK	
16. Acres in Lease 2,378.080		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 400' from San Juan 30-6 Unit 35A (MV)		
19. Proposed Depth 7713'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6267' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	4/28/2010 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 5/17/2010

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

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

Hold C104
for Directional Survey
and "As Drilled" plat

NMOC D
MAY 21 2010

This action is subject to technical and
procedural review pursuant to 43 CFR 3165
and appeal pursuant to 43 CFR 3165.4

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

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

DISTRICT II
1301 W. 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 87606

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

RECEIVED

OIL CONSERVATION DIVISION
1220 South St. Francis Dr. APR 28 2010
Santa Fe, NM 87505

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

Bureau of Land Management

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30965		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 7469	*Property Name SAN JUAN 30-6 UNIT		*Well Number 3 N
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6267'

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
J	24	30N	6W		2631'	SOUTH	1255'	EAST	RIO ARRIBA

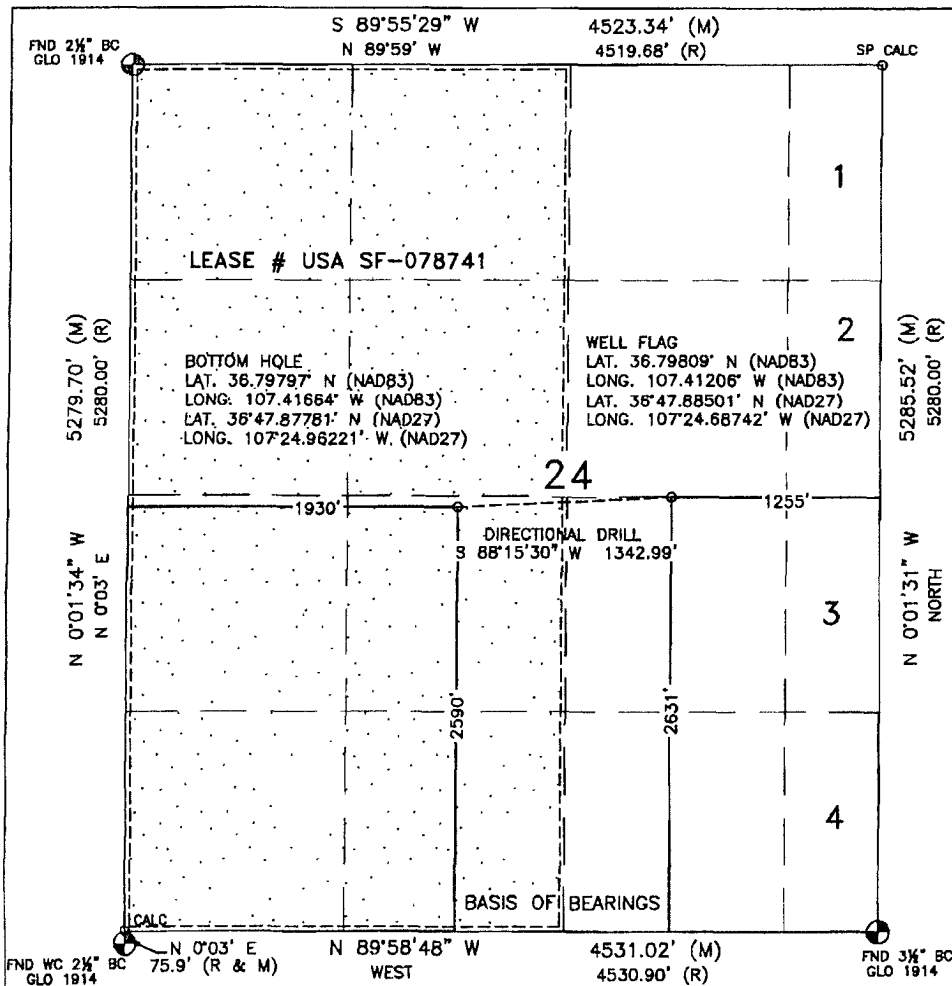
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	24	30N	6W		2590'	SOUTH	1930'	WEST	RIO ARRIBA

¹² Dedicated Acres 320.00 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

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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 11/6/09
Signature Date

Crystal Tafoya 11/6/09

Printed Name

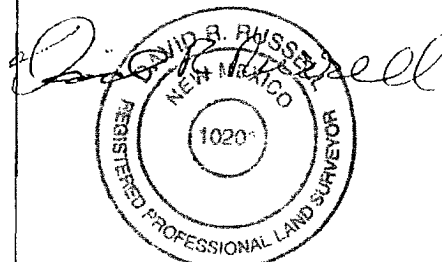
¹⁸ SURVEYOR CERTIFICATION

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.

SEPTEMBER 30, 2009

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 3N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9328				AFE \$: 1,060,732.64	
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: 36.798083	Longitude: -107.411457	X:	Y:	Section: 24	Range: 006W		
Footage X: 1255 FEL	Footage Y: 2631 FSL	Elevation: 6267	(FT)	Township: 030N			
Tolerance:							
Location: Bottom Hole							
Datum Code: NAD 27				Directional			
Latitude: 36.797964	Longitude: -107.416037	X:	Y:	Section: 24	Range: 006W		
Footage X: 1930 FWL	Footage Y: 2590 FSL	Elevation:	(FT)	Township: 030N			
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2010		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6283		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6083	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.	
NACIMIENTO	1014	5269	☐				
OJO ALAMO	2376	3907	☐				
KIRTLAND	2477	3806	☐				
FRUITLAND	2755	3528	☐			Possible Gas	
PICTURED CLIFFS	3184	3099	☐				
LEWIS	3280	3003	☐				
HUERFANITO BENTONITE	3937	2346	☐				
Intermediate Casing	3937	2346	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 949 cuft. Circulate cement to surface.	
CHACRA	4279	2004	☐			Est. Top Perf - 4280 (2002)	
UPPER CLIFF HOUSE	4821	1462	☐			Gas	
MASSIVE CLIFF HOUSE	5110	1173	☐	389		Gas; Cliffhouse is dry	
MENEFEE	5158	1125	☐				
POINT LOOKOUT	5423	860	☐				
MANCOS	5767	516	☐				
UPPER GALLUP	6677	-394	☐				
GREENHORN	7395	-1112	☐				
GRANEROS	7446	-1163	☐				
TWO WELLS	7564	-1281	☐	3259		Gas	
PAGUATE	7569	-1286	☐				
UPPER CUBERO	7585	-1302	☐				
LOWER CUBERO	7614	-1331	☐			Est. Btm Perf - 7662 (-1380) based on offset wells	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 3N

DEVELOPMENT

ENCINAL	7683	-1400	☐	TD - 30' below T/ENCN
Total Depth	7713	-1430	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 515 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	SJ 30-5 6-19	30N 5W 19 SW SW
Production	SJ 30-5 88	30N 5W 18 SE NW SW
Production	SJ 30-6 3A	30N 6W 24 NW NW
Production	SJ 30-6 39A	30N 6W 13 NE SE
Production	SJ 30-6 27A	30N 6W 23 SW 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 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 #3N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6283.0ft (H&P Rigs)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 6283.0ft (H&P Rigs)
Site:	San Juan 30 Wells	North Reference:	True
Well:	SJ 30-6 #3N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,895.0	7,614.0	Lower Cubero		0.00		
6,048.0	5,767.0	Mancos		0.00		
5,391.0	5,110.0	Mass. Cliffhouse		0.00		
4,560.0	4,279.0	Chacra		0.00		
7,845.0	7,564.0	Two Wells		0.00		
6,958.0	6,677.0	Upper Gallup		0.00		
3,547.3	3,280.0	Lewis		0.00		
3,444.0	3,184.0	Pictured Cliffs		0.00		
5,704.0	5,423.0	Point Lookout		0.00		
7,850.0	7,569.0	Paguate		0.00		
4,218.0	3,937.0	Huerfano Bentonite		0.00		
5,439.0	5,158.0	Menefee		0.00		
7,994.0	7,713.0	Total Depth		0.00		
7,676.0	7,395.0	Greenhorn		0.00		
5,102.0	4,821.0	Upper Cliffhouse		0.00		
2,544.8	2,376.0	Ojo Alamo		0.00		
7,727.0	7,446.0	Graneros		0.00		
2,967.2	2,755.0	Fruitland		0.00		
7,866.0	7,585.0	Upper Cubero		0.00		
1,030.3	1,014.0	Nacimiento		0.00		
2,657.4	2,477.0	Kirtland		0.00		
7,964.0	7,683.0	Encinal		0.00		

REFERENCE INFORMATION

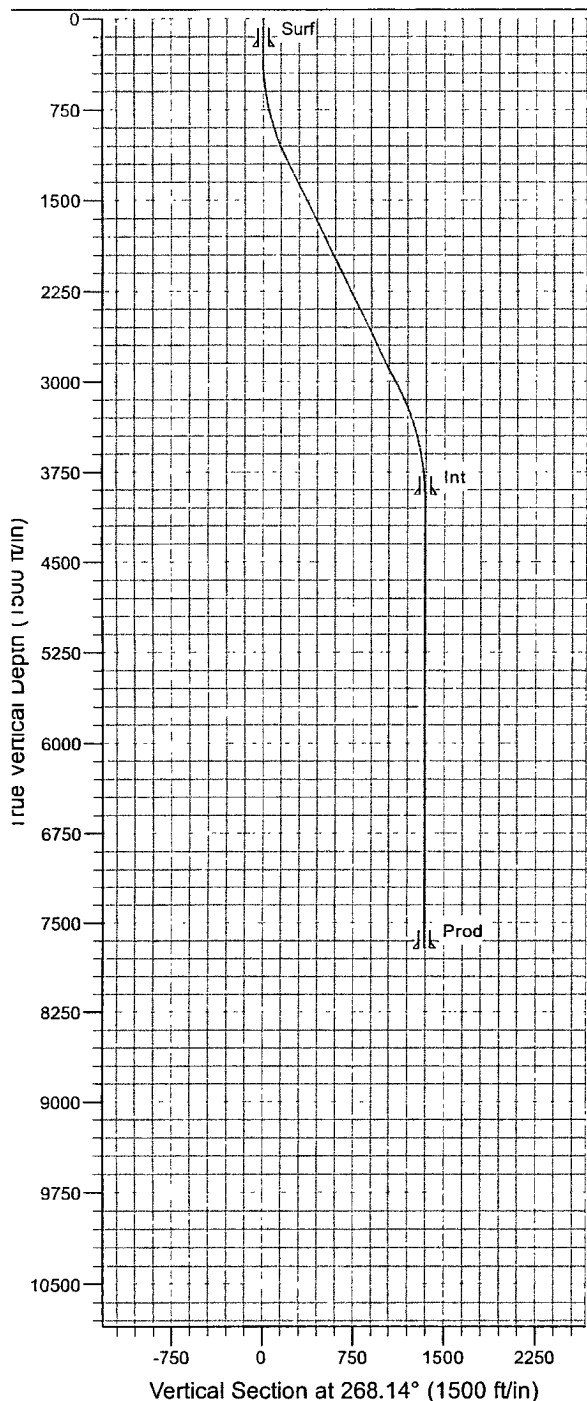
RKB @ 6283.0ft (H&P Rigs)
Ground Elevation 6267.0
Reference Lat: 36° 47' 53.101 N
Reference Long: 107° 24' 41.245 W

Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #3N
Wellbore: Principal Wellbore
Design: Plan #1



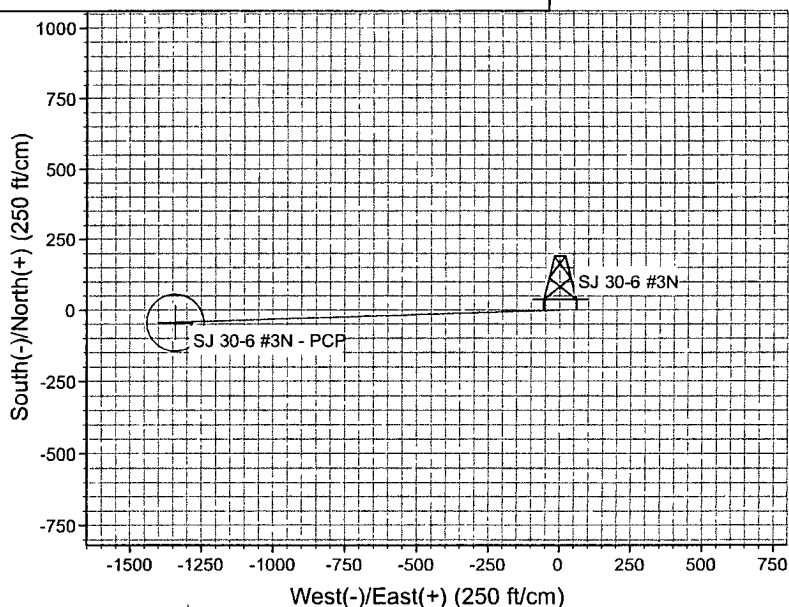
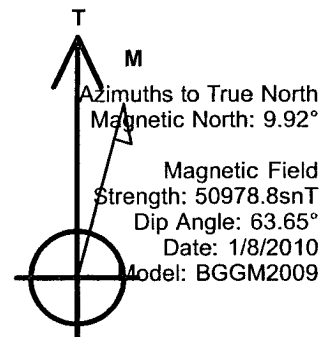
SECTION DETAILS

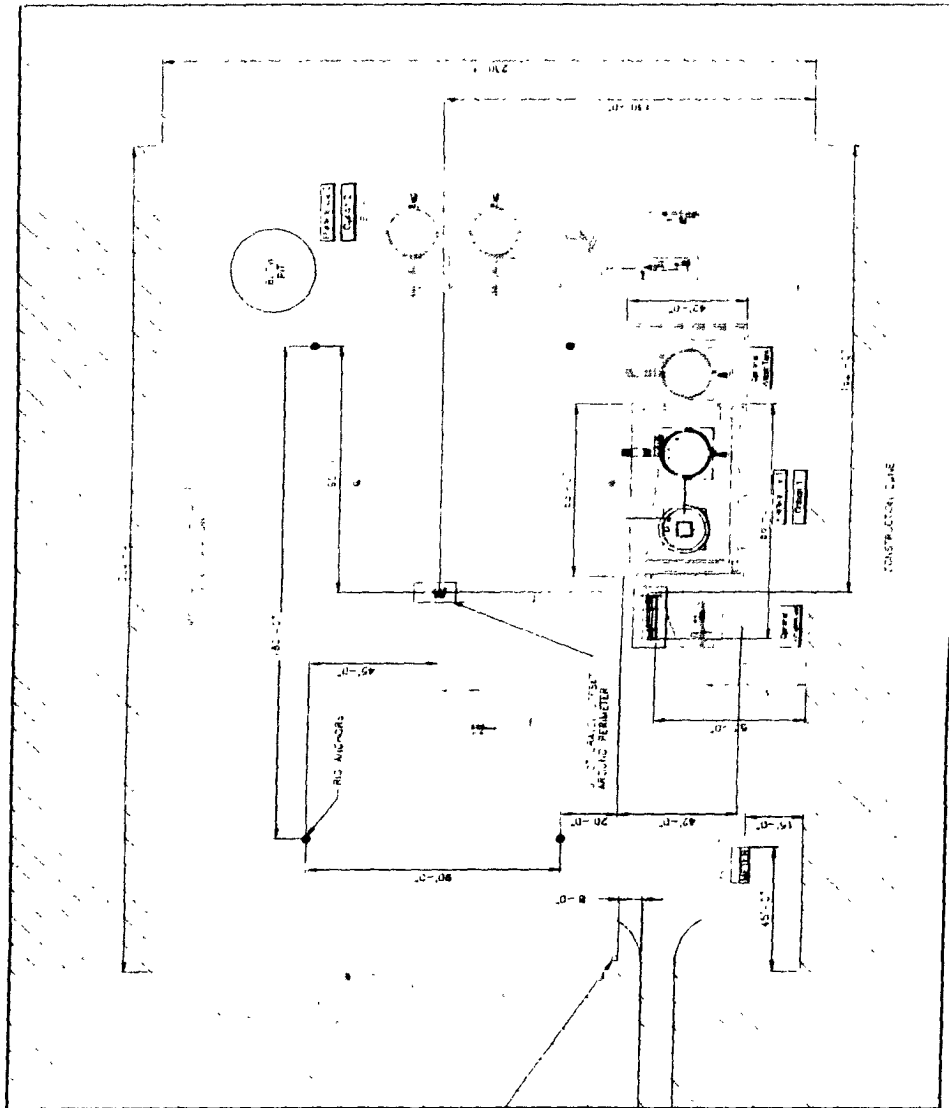
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1192.8	26.19	268.14	1162.8	-6.4	-195.9	3.00	268.14	196.0	
4	3345.2	26.19	268.14	3094.2	-37.3	-1145.2	0.00	0.00	1145.8	
5	4218.0	0.00	0.00	3937.0	-43.7	-1341.1	3.00	180.00	1341.8	SJ 30-6 #3N - ICP
6	7994.0	0.00	0.00	7713.0	-43.7	-1341.1	0.00	0.00	1341.8	SJ 30-6 #3N - PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1014.0	1030.3	Nacimiento
2376.0	2544.8	Ojo Alamo
2477.0	2657.4	Kirtland
2755.0	2967.2	Fruitland
3184.0	3444.0	Pictured Cliffs
3280.0	3547.3	Lewis
3937.0	4218.0	Huerfano Bentonite
4279.0	4560.0	Chacra
4821.0	5102.0	Upper Cliffhouse
5110.0	5391.0	Mass. Cliffhouse
5158.0	5439.0	Menefee
5423.0	5704.0	Point Lookout
5767.0	6048.0	Mancos
6677.0	6958.0	Upper Gallup
7395.0	7676.0	Greenhorn
7446.0	7727.0	Graneros
7564.0	7845.0	Two Wells
7569.0	7850.0	Paguate
7585.0	7866.0	Upper Cubero
7614.0	7895.0	Lower Cubero
7683.0	7964.0	Encinal
7713.0	7994.0	Total Depth





CATHODE RECTIFIER

LOCAL 20 ACCESS ROAD

FIG. 1
SALES INC.
PIT LINE
DIN LINE

ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

CenocoPhillips										SAN JUAN BUSINESS UNIT									
NORTH PLAINS										REVISION									
REVISION										REVISION									
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 30-6 UNIT #3 N
2631' FSL & 1255' FEL
LOCATED IN THE NW/4 SE/4 OF SECTION 24,
T30N, R6W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EASTERLY ON HWY 64 FOR 28.4 MILES.
- 2) TURN LEFT ON HWY 527 AND GO 7.8 MILES.
- 3) TURN RIGHT ONTO ROSA ROAD AND GO 5.1 MILES.
- 4) TURN RIGHT AND GO 2.8 MILES.
- 5) TURN RIGHT AND GO 0.7 MILES WHERE ACCESS IS FLAGGED ON RIGHT SIDE OF ROAD.

WELL FLAG LOCATED AT LAT. 36.79809° N, LONG. 107.41206° W (NAD 83).

