

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUL 29 2009

1a. Type of Work DRILL	5. Lease Number SF-079491 Farmington Field Office 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 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD FEB 12 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit G(SWNE), 1705' FNL & 1586' FEL Bottomhole: Unit J(NWSE), 2060' FSL & 2190' FEL Surf: Latitude: 36.604449° N (NAD83) Longitude: 107.305871° W Bottomhole: Latitude: 36.600728° N (NAD83) Longitude: 107.307990° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., TwN, Rge, Mer. (NMPM) Sec. 1, T27N, R5W API # 30-039- 30798	
14. Distance in Miles from Nearest Town 46.7 miles/Bloomfield	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1586'	17. Acres Assigned to Well MV 320 (E/2) DK 320(S/2) 320.08	
16. Acres in Lease 1,600.360	18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 72' from San Juan 27-5 Unit 106	
19. Proposed Depth 8701'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7367' GL	22. Approx. Date Work will Start 7/30/09	
23. Proposed Casing and Cementing Program See Operations Plan attached	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	
24. Authorized by: Tracey N. Monroe (Staff 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

FEB 25 2010

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

NMOCDB

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

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 Hrazos 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

RECEIVED

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies
Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039- 30798		² Pool Code 71599 / 72319		³ Pool Name Blanco	
⁴ Property Code 7452 7454		⁵ Property Name SAN JUAN 27-5 UNIT		⁶ Well Number 100N	
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 7367	

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
G	1	27-N	5-W		1705	NORTH	1585	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
J	1	27-N	5-W		2080	SOUTH	2190	EAST	RIO ARRIBA

¹² Dedicated Acres 320.00 E/2-MV 320.00 S/2-DK	¹³ Joint or Infill 320.08	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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature James Gardenhire Printed Name Regulatory Technician Title and E-mail Address 10/13/08 Date	
	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: 7/30/08 Signature and Seal of Professional Surveyor 	
	Certificate Number: NM 11393	
	BLM 1957 N 87°17' W N 87°36'15" W	

PC

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 100N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8129		AFE \$: 1,831,904.69	
Field Name: SAN JUAN 27-5 UNIT		Rig: H&P Rig 283		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20076	DAKOTA(R20076)
R20002	MESAVERDE(R20002)

Location: Surface Datum Code: NAD 27 Directional

Latitude: 36.604440	Longitude: -107.305271	X:	Y:	Section: 01	Range: 005W
Footage X: 1585 FEL	Footage Y: 1705 FNL	Elevation: 7367	(FT)	Township: 027N	
Tolerance:					

Location: Bottom Hole Datum Code: NAD 27 Directional

Latitude: 36.600719	Longitude: -107.307390	X:	Y:	Section: 01	Range: 005W
Footage X: 2190 FEL	Footage Y: 2060 FSL	Elevation:	(FT)	Township: 027N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 7383 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	7183	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 159 cubic ft. Circulate cement to surface.
OJO ALAMO	3673	3710	☐			
KIRTLAND	3787	3596	☐			
FRUITLAND	3841	3542	☐			Possible Gas
PICTURED CLIFFS	4243	3140	☐			
LEWIS	4301	3082	☐			
Intermediate Casing	4600	2783	☐			8-3/4" hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1103 cubic ft. Circulate cement to surface.
HUERFANITO BENTONITE	4910	2473	☐			
CHACRA	5362	2021	☐			Est. Top Perf - 5364 (2019)
UPPER CLIFF HOUSE	5845	1538	☐			Gas
MASSIVE CLIFF HOUSE	5967	1416	☐	798		Gas
MENEFEE	6039	1344	☐			
POINT LOOKOUT	6406	977	☐			
MANCOS	6919	464	☐			
UPPER GALLUP	7557	-174	☐			
GREENHORN	8337	-954	☐			
GRANEROS	8399	-1016	☐			
TWO WELLS	8439	-1056	☐	1820		Gas
PAGUATE	8526	-1143	☐			
UPPER CUBERO	8549	-1166	☐			
LOWER CUBERO	8595	-1212	☐			Est. Btm Perf - 8635 (-1252) based on offset wells
OAK CANYON	8641	-1258	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 100N

DEVELOPMENT

ENCINAL	8661	-1278	☐	TD - 40' Below T/ENCN
Total Depth	8701	-1318	☐	6-1/4" hole. 4-1/2", 11.6 ppf, J-55/L-80, LTC casing. Cement with 559 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	SJ 27-5 100	27N-5W1 NE SW SW
Production	SJ 27-5 106M	27N-5W1 SW NE NW
Production	SJ 27-5 106	27N-5W1 SW NE
Production	SJ 27-5 100M	27N-5W1 NE 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:

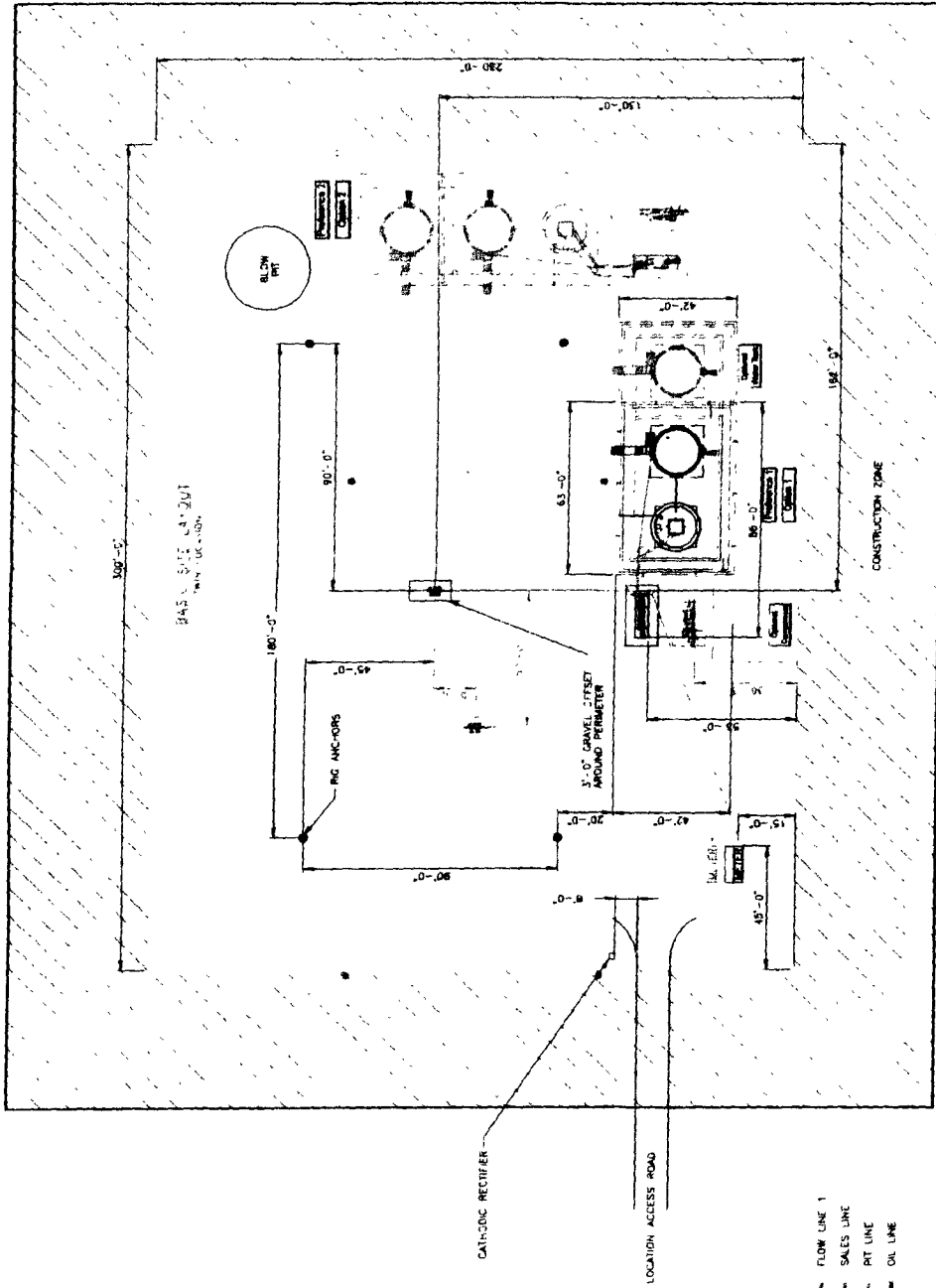
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 27-5 #100N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 7382.0ft (Generic Rig)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 7382.0ft (Generic Rig)
Site:	San Juan 27 Wells	North Reference:	True
Well:	SJ 27-5 #100N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,931.7	3,673.0	OJO ALAMO		0.00		
4,057.6	3,787.0	KIRTLAND		0.00		
4,116.8	3,841.0	FRUITLAND COAL		0.00		
4,538.3	4,243.0	PICTURED CLIFFS		0.00		
4,597.1	4,301.0	LEWIS		0.00		
5,207.4	4,910.0	HUERFANITO BENTONITE		0.00		
5,659.4	5,362.0	CHACRA		0.00		
6,264.4	5,967.0	MASSIVE CLIFF HOUSE		0.00		
6,336.4	6,039.0	MENEFEE		0.00		
6,703.4	6,406.0	POINT LOOKOUT		0.00		
7,216.4	6,919.0	MANCOS		0.00		
7,854.4	7,557.0	GALLUP		0.00		
8,634.4	8,337.0	GREENHORN		0.00		
8,696.4	8,399.0	GRANEROS		0.00		
8,736.4	8,439.0	TWO WELLS		0.00		
8,846.4	8,549.0	UPPER CUBERO		0.00		
8,892.4	8,595.0	LOWER CUBERO		0.00		
8,938.4	8,641.0	OAK CANYON		0.00		
8,958.4	8,661.0	ENCINAL		0.00		



FLOW LINE 1
 SALES LINE
 RT LINE
 OIL LINE

SEE SHEET 1 & 2 FOR PUMP DETAILS
 ALL UNDERGROUND HERE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 2

CONOCO/Phillips										SAN JUAN BUSINESS UNIT										HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT										
CONSTRUCTION REVIEW										REFERENCE DRAWINGS										CONSTRUCTION DATE										
NO.	DATE	BY	CHKD	APP'D	REVISION	NO.	DATE	BY	CHKD	APP'D	NO.	DATE	BY	CHKD	APP'D	NO.	DATE	BY	CHKD	APP'D	NO.	DATE	BY	CHKD	APP'D	NO.	DATE	BY	CHKD	APP'D
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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-5 UNIT #100N

1705' FNL, 1585' FEL

SECTION 1, T-27-N, R-5-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.604449' N LONG.: 107.305871'W

ELEV.: 7367 NAVD88

NO NEW ACCESS

THIS WELL IS STAKED ON TUCKERS RIDGE, OFF OF FOREST ROAD 358,
TWINED WITH THE SJ 27-5 #106 LOCATION.

FROM BLOOMFIELD N.M. AT INTERSECTION OF HWY. 550 & HWY. 64:

TRAVEL EAST ON HWY. 64 FOR 36.4 MILES, (TO MILE POST 101.1).
TURN RIGHT (BY GOBERNADOR SCHOOL) AND TRAVEL SOUTH ON C.R.
366.

GO: 1.0 MILES FROM N.M. HWY 64, TURN LEFT AT -Y- IN ROAD, ONTO
C.R.518, AKA "ARNOLD RANCH ROAD".

GO: 8.9 MILES SOUTH EAST ON "ARNOLD RANCH ROAD" INTO MUNOZ
CANYON, UP STEEP SWITCHBACK ROAD ONTO TUCKERS RIDGE. STAY
LEFT (SOUTH) ON FOREST ROAD 358.

GO: 0.4 MILES SOUTH ON FR 358. TURN LEFT, INTO EXISTING
LOCATION FOR BROG SJ 27-5 #106. STAKED AS TWIN HERE.