

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-079391 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe NMNM-78409B-MV NMNM-78409A-NK	
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 9. Well Number #906	
4. Location of Well Surf: Unit G(SWNE), 1699' FNL & 1865' FEL BH: Unit G(SWNE), 2280' FNL & 1705' FEL Surf: Latitude 36° 35.4691 N Longitude 107° 22.7291 W BH: Latitude 36° 35.3726 N Longitude 107° 22.6942 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) G Sec. 8, T27N, R5W API # 30-039-30305	
14. Distance in Miles from Nearest Town 36 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1705'	17. Acres Assigned to Well MV/DK 320 (E/2)	
16. Acres in Lease	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from San Juan 27-5 Unit #70	22. Approx. Date Work will Start RCVD SEP 25 '07 OIL CONS. DIV.	
19. Proposed Depth 7856' TVD/7959' TMD	23. Proposed Casing and Cementing Program See Operations Plan attached DIST. 3	
21. Elevations (DF, FT, GR, Etc.) 6625' GL	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician) 7-31-07 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 OCD 24 HRS.

PRIOR TO CAS NMBDCD CEMENT

OCT 01 2007

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

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "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, N.M. 87506

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 87506

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30305	² Pool Code 71599/72319	³ Pool Name Basin Dakota/Blanco Mesaverde
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-6 UNIT	⁶ Well Number 906
⁷ OGRIID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	⁹ Elevation 6625

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	8	27 N	5 W		1699	NORTH	1865	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	8	27 N	5 W		2280	NORTH	1705	EAST	RIO ARriba

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320 E/2			

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 S 88°47'03" E 2646.33' N 0°25'21" W 2616.10' N 0°35'07" W N 78°52'24" W 2690.16'		SECTION 8 NAD 83 LAT: 36.591160° N LONG: 107.379420° W NAD 27 LAT: 36° 35.4691' N LONG: 107° 22.7291' W NAD 83 LAT: 36.589552° N LONG: 107.378839° W NAD 27 LAT: 36° 35.3726' N LONG: 107° 22.6942' W USA SF-079391 1699' 2280' 1865' 1705' 5208.18' 2689.52' S 1°25'31" E 2680.33' S 1°21'02" E 2670.27'		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 undivided 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 is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the district. Signature: <u>Kandis Roland</u> Date: <u>4/22/07</u> Printed Name: <u>Kandis Roland</u>
		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: <u>5/15/07</u> Signature and Seal of Professional Surveyor:  Certificate Number: <u>17078</u>		

Office

Energy, Minerals and Natural Resources

May 27, 2004

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-039-30305

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA SF-080674

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well Number

#906

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter G : 1699' feet from the North line and 1865' feet from the East line
 Section 8 Township 27N Rng 5W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6625'

Pit or Below-grade Tank Application

or Closure ☐Pit type New Drill

Depth to Groundwater

>100

Distance from nearest fresh water well

>1000

Distance from nearest surface water

>1000

Pit Liner Thickness:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, Unlined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit, vent/flare pit and pre-set mud pit will be unlined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids, and that portion will be unlined, as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 7-24-07Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE OCT 01 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 906

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7146		AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Rig 777		State: NM	County: RIO ARriba
API #:					
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Phone:				Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
Phone:				Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
R20076	DAKOTA(R20076)				
Location: Surface					
Datum Code: NAD 27		Deviated			
Latitude: 36.591151	Longitude: -107.378818	X:	Y:	Section: 08	Range: 005W
Footage X: 1865 FEL	Footage Y: 1699 FNL	Elevation: 6625	(FT)	Township: 027N	
Tolerance:					
Location: Bottom Hole					
Datum Code: NAD 27		Deviated			
Latitude: 36.589543	Longitude: -107.378237	X:	Y:	Section: 08	Range: 005W
Footage X: 1705 FEL	Footage Y: 2280 FNL	Elevation:	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.):		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6641 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6441	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.					
OJAM	2764	3877	☐		
KRLD	2960	3681	☐		
FRLD	3049	3592	☐		Possible Gas
PCCF	3434	3207	☐		
LEWS	3578	3063	☐		
Intermediate Casing	3678	2963	☐		
8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 841 cuft. Circulate cement to surface.					
HJERFANITO BENTONITE	3989	2652	☐		
CHRA	4399	2242	☐		
UCLFH	5025	1616	☐		Gas
MASSIVE CLIFF HOUSE	5113	1528	☐	702	Gas
MENF	5290	1351	☐		
PTLK	5601	1040	☐		
MNCS	6111	530	☐		
GLLP	6787	-146	☐		
GRHN	7549	-908	☐		
GRRS	7595	-954	☐		
TWLS	7623	-982	☐	2600	Gas
PAGU	7719	-1078	☐		
CBRO	7743	-1102	☐		
CBRL	7786	-1145	☐		
OAK CANYON	7856	-1215	☐		TD T/OKCN

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 906

DEVELOPMENT

TOTAL DEPTH DK	7856	-1215	☐	6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 569 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	27-5 #70	NE 8-27N-5W

Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
	might need PEX GR_CBL, MUDLOG 100' above GRHN to TD

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM027N005W08NE3 DKNM027N005W08NE3 SHL twin with #70 and BHL 2280' FNL & 1705' FEL.
MUDLOG 100' above GRHN to TD

Zones - MVNM027N005W08NE3 DKNM027N005W08NE3

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #906
Project:	San Juan Basin	TVD Reference:	WELL @ 6640.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6640.0ft (Original Well Elev)
Well:	SJ 27-5 #906	North Reference:	True
Wellbore:	SJ 27-5 #906	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Build Rate (d/100ft)	Turn Rate (d/100ft)
7,889.2	0.00	0.00	7,786.0	-581.0	160.0	602.6	0.00	0.00	0.00
Lower Cubero									
7,900.0	0.00	0.00	7,796.8	-581.0	160.0	602.6	0.00	0.00	0.00
7,959.2	0.00	0.00	7,856.0	-581.0	160.0	602.6	0.00	0.00	0.00
TD - Oak Canyon - SJ 27-5 #906 - PCP									

Targets

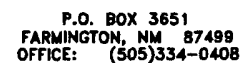
Target Name	hit/miss target	Shape	Dip Angle (d)	Dip Dir (d)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
SJ 27-5 #906 - PCP	- plan hits target	- Point	0.00	0.00	7,856.0	-581.0	160.0	-177.81	46.23	30° 59' 18.762" N	109° 25' 42.256" W
SJ 27-5 #906 - ICP	- plan hits target	- Point	0.00	0.00	3,678.0	-581.0	160.0	-177.81	46.23	30° 59' 18.762" N	109° 25' 42.256" W

Formations

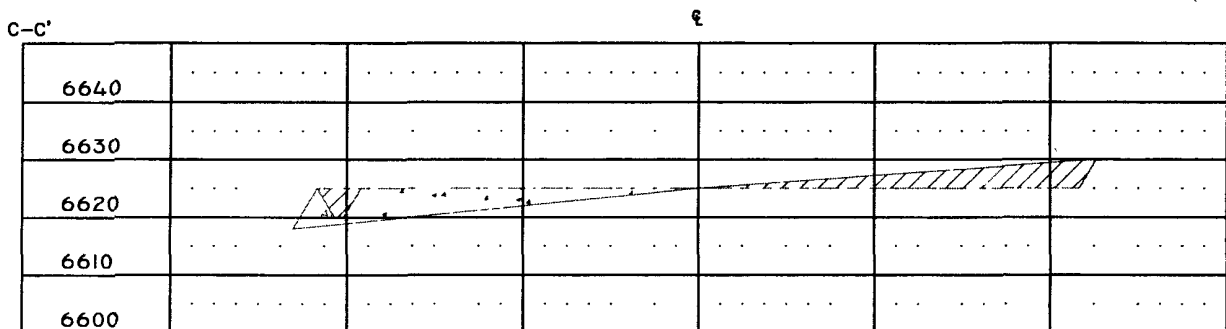
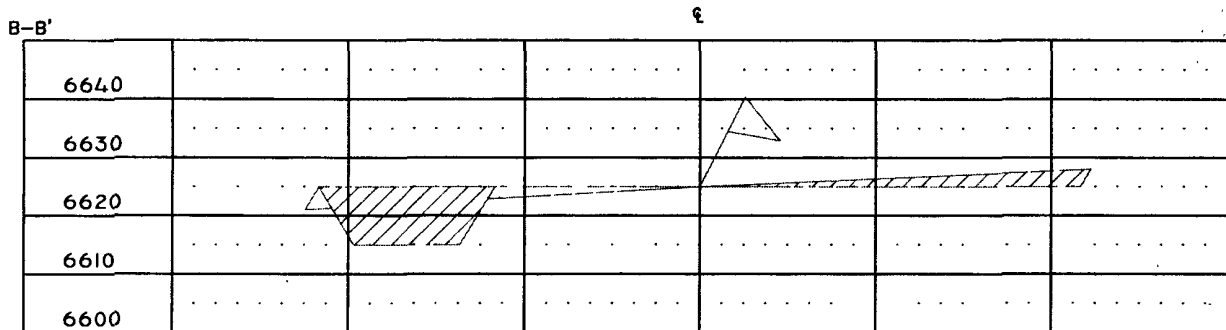
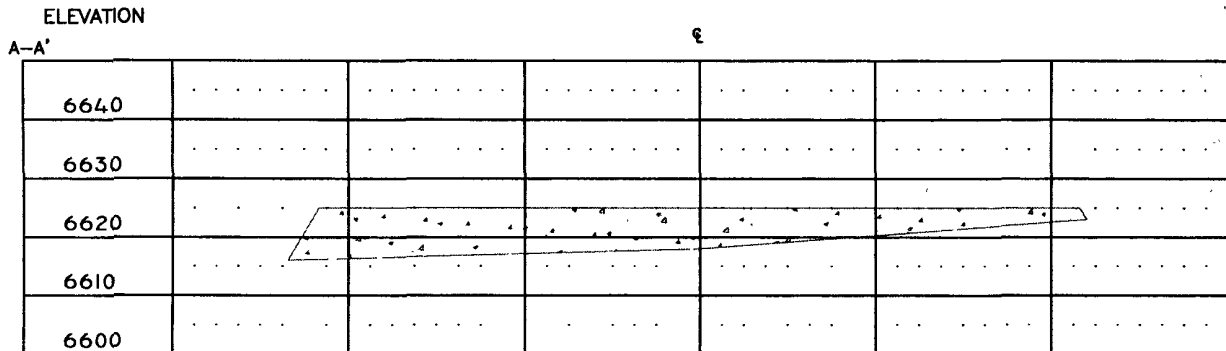
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,831.5	2,764.0	Ojo Alamo		0.00	
3,045.1	2,960.0	Kirtland		0.00	
3,140.2	3,049.0	Fruitland		0.00	
3,536.5	3,434.0	Pictured Cliffs		0.00	
3,681.2	3,578.0	Lewis		0.00	
4,092.2	3,989.0	Huerf. Bent.		0.00	
4,502.2	4,399.0	Chacra		0.00	
5,128.2	5,025.0	Upper Cliffhouse		0.00	
5,216.2	5,113.0	Mass Cliffhouse		0.00	
5,393.2	5,290.0	Menefee		0.00	
5,704.2	5,601.0	Pt. Lookout		0.00	
6,214.2	6,111.0	Mancos Shale		0.00	
6,890.2	6,787.0	Gallup		0.00	
7,652.2	7,549.0	Greenhorn		0.00	
7,698.2	7,595.0	Graneros		0.00	
7,726.2	7,623.0	Two Wells		0.00	
7,822.2	7,719.0	Paguate		0.00	
7,846.2	7,743.0	Upper Cubero		0.00	
7,889.2	7,786.0	Lower Cubero		0.00	
7,959.2	7,856.0	TD		0.00	
7,959.2	7,856.0	Oak Canyon		0.00	

Checked By: _____ Approved By: _____ Date: _____

GROUND ELEVATION: 6625 - DATE: MAY 15, 2007



BURLINGTON RESOURCES OIL & GAS COMPANY LP.
SAN JUAN 27-5 UNIT 906 - 1699' FNL & 1865' FEL (SURFACE)
2280' FNL & 1705' FEL (BOTTOM)
SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARRIBA COUNTY, N.M.
GROUND ELEVATION: 6625 - DATE: MAY 15, 2007



1" = 60' - HORIZ.
1" = 30' - VERT.

NOTES:

- 1) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 5/15/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 6/01/07

FILE NAME: 7689C01



**P.O. BOX 3651
FARMINGTON, NM 87499
OFFICE: (505)334-0408**