

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 SF-078425 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 29-7 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Unit O (SWSE), -930' FSL & 1475' FEL Surf. Unit B (NWNE), 650' FNL & 1675' FEL BH Surf. Latitude-36.692076N Longitude-107.536341 W BH Latitude- 36.687731 N Longitude-107.537034 W	10. Field, Pool, Wildcat Basin-DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) O Sec. 26, T29N, R7W Surf B Sec. 35, T29N, R7W BH API # 30-039-30509	
14. Distance in Miles from Nearest Town 21 miles to Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1475'		
16. Acres in Lease 2080.00	17. Acres Assigned to Well DK & MV - 320 - (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 29-7 Unit #123		
19. Proposed Depth 7656' This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6362' GL	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 3-31-08 Date	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)		

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

Hold C104

for Directional Survey
and "As Drilled" plat

P.A.
NMOCD
DEC 17 2008
AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

DISTRICT II
1301 West 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 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

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

MAR 31 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Farmington Field Office

¹ API Number 30-039-30509	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 30M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6362'

¹⁰ Surface Location

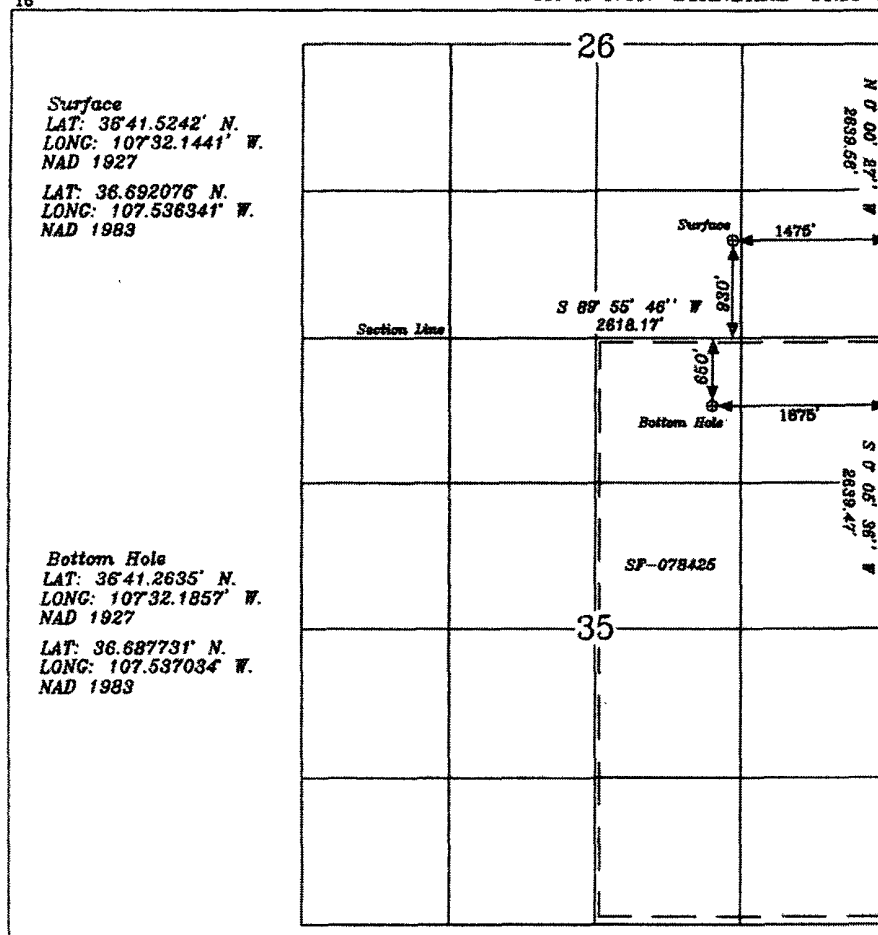
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	26	29-N	7-W		930'	SOUTH	1475'	EAST	RIO ARRIBA

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
B	35	29-N	7-W		650'	NORTH	1675'	EAST	RIO ARRIBA
¹² Dedicated Acres 320			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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

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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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Patsy Clugston 8/28/07
Signature
Patsy Clugston
Printed Name

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SURVEYOR CERTIFICATION

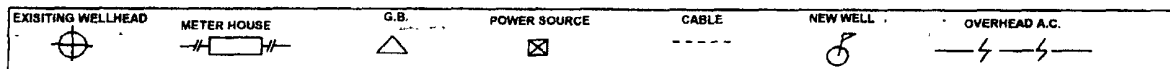
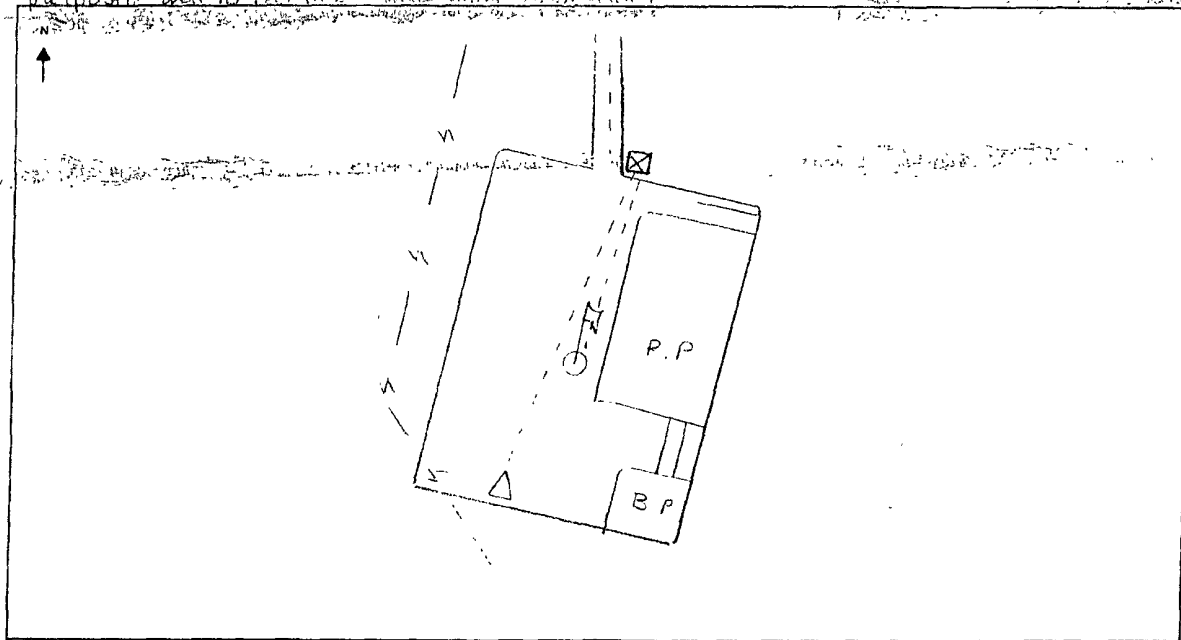
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

8-22-07
Date of Survey
Signature of Professional Surveyor
Galen W. Russell
Certificate Number 15703



WELL NAME SJ 29-7 #30M LEGALS B-35-29-7 COUNTY Rio Arriba

PURPOSED C.P. SYSYTEM: Drill GB on SW corner of location and set rectifier on N edge (E side of access). Trench approx 636' e. #1C from ex. shwn rectifier on ST 29-7 #123 to rectifier. Trench approx 325' w' from cable from GB to rectifier. Trench approx 200' of #8 neg cable from purposed well to rectifier.



COMMENTS: could also set μ_{ij} St. inv. $\log$ values AIC depending on distance of scan

NEAREST POWER SOURCE Existing Post in SF 20-7 #123 DISTANCE: 820'
PIPELINES IN AREA:

TECHNICIAN: Hickory Creek **DATE:** 7/18/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 30M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7154				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.692069	Longitude: -107.535735	X:	Y:	Section: 26		Range: 007W	
Footage X: 1475 FEL	Footage Y: 930 FSL	Elevation: 6362	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Straight Hole							
Latitude: 36.687724	Longitude: -107.536428	X:	Y:	Section: 35		Range: 007W	
Footage X: 1675 FEL	Footage Y: 650 FNL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6378		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6178	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cu. ft. Circulate cement to surface.	
OJAM	2319	4059	☐				
FRLD	2584	3794	☐			Possible Gas	
KRLD	2765	3613	☐				
PCCF	3185	3193	☐				
LEWS	3358	3020	☐				
CHRA	4137	2241	☐				
Intermediate Casing	4600	1778	☐			8-3/4" hole. 7", 23#, L-80, LT&C casing. Cement with 1800 cu. ft. Circulate cement to surface.	
UCLFH	4695	1683	☐			Gas	
MASSIVE CLIFF HOUSE	4904	1474	☐	544		Gas	
MENF	4993	1385	☐				
PTLK	5345	1033	☐				
MNCS	5810	568	☐				
GLLP	6354	24	☐				
GRHN	7301	-923	☐				
GRRS	7359	-981	☐				
TWLS	7407	-1029	☐	1600		Gas	
CBRO	7517	-1139	☐				
CBRL	7547	-1169	☐				
ENCINAL	7616	-1238	☐			TD 40' below T/ENCN	
TOTAL DEPTH DK	7656	-1278	☐			6-1/4" Hole. 4-1/2", 11.6 ppf, L- 80 LTC casing. Cement with 420 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. Cased hole TDT with GR to surface.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 30M

DEVELOPMENT

Total Depth	8138	-1760	☐
Reference Wells:			
Reference Type	Well Name	Comments	

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

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

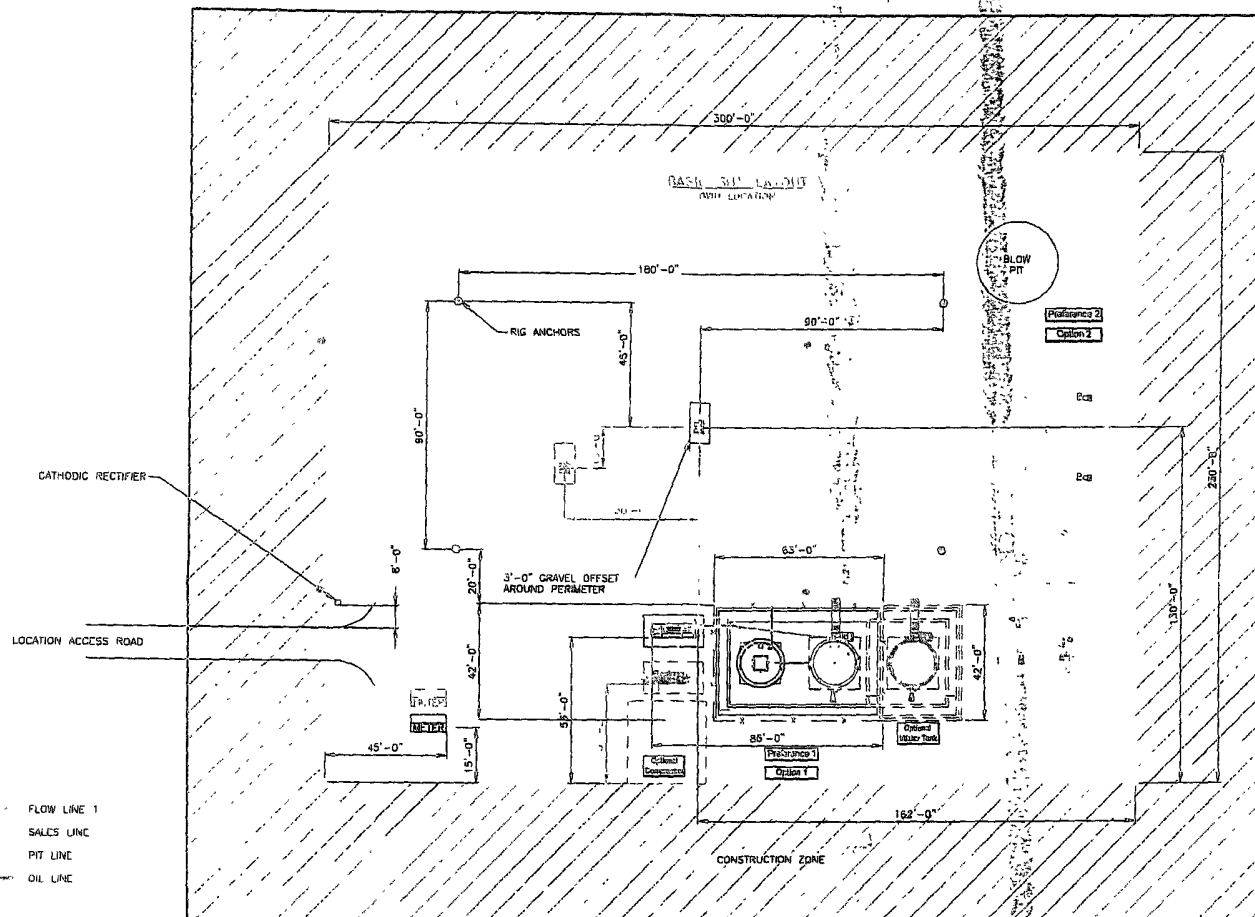
Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #30M
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig RKB @ 6377 0ft (Generic Rig)
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6377 0ft (Generic Rig)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 29-7 #30M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #30M		
Design:	APD Directional Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)	
2,457 0	2,319 0	Ojo		0 00		
2,750 2	2,584 0	Fruitland		0 00		
2,950 5	2,765 0	Kirtland		0 00		
3,415 3	3,185 0	Pictured Cliffs		0 00		
3,606 7	3,358 0	Lewis		0 00		
4,460 4	4,137 0	Chacra		0 00		
5,024 8	4,695 0	Upper Cliffhouse		0 00		
5,233 8	4,904 0	Mass Cliffhouse		0 00		
5,322 8	4,993 0	Menefee		0 00		
5,674 8	5,345 0	Point Lookout		0 00		
6,139 8	5,810 0	Mancos		0 00		
6,683 8	6,354 0	Gallup		0 00		
7,630 8	7,301 0	Greenhorn		0 00		
7,688 8	7,359 0	Graneros		0 00		
7,736 8	7,407 0	Two Wells		0 00		
7,846 8	7,517 0	Cubero		0 00		
7,876 8	7,547 0	Lower Cubero		0 00		
7,945 8	7,616 0	Encinal		0 00		
7,985 8	7,656 0	TD		0 00		



SEE SHEET 2 & 3 FOR PIPING DETAILS
ALL UNDERGROUND PIPING IS TO BE BURIED A MIN OF 3'-0" TYP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS			CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT								
										DISCIPLINE	REVIEWED	DATE	NO.	DESCRIPTION										
										PROCESS														
										MECHANICAL														
										PIPING														
										ELECTRICAL														
										I & C														
										CIVIL/STRUCTURAL														
										PROJECT														
										DESCRIPTION	DATE	BY	CHK'D	ENG	OSC	PLU								
										SAN JUAN BUSINESS UNIT														
																CLIENT NO.:			CLIENT ADDR.:			LAYOUT DATE:		
																OWNER DIV.:			FIELD NAME:			CONSTR. DATE: 6/3/87		
																EQUIP. ID.:			HP3PHASE-REV1			SHEET NO. 1 OF 5		

Directions from the Post Office
in Blanco, NM
to

Burlington Resources Oil & Gas Company LP

SAN JUAN 29-7 UNIT 30M

930' FSL & 1475' FEL,

Section 26, T29N, R7W, N.M.P.M., Rio Arriba County,

New Mexico

Lat: 36.692076° N

Long: 107.536341° W

NAD 83

From the Post Office in Blanco, NM
Take Highway 64 East for 19.1 miles

Turn right (southerly) for 0.6 miles,

Turn left (southerly) for 0.8 miles,

Turn left (easterly) for 0.3 miles,

Turn right (southerly) 0.1 miles,

To newly staked location on existing well pad,

SAN JUAN 29-7 UNIT 123.