

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 30 2009

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-078945 Unit Reporting Number NMNM78417A-MV/DK-lease	
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 RCVD MAY 21 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Surf: Unit A(NENE), 1020' FNL & 1045' FEL Bottomhole: Unit G(SWNE), 1930' FNL & 1930' FEL Surf: Latitude: 36.759072° N (NAD83) Longitude: 107.516866° W Bottomhole: Latitude: 36.756571° N (NAD83) Longitude: 107.519889° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 1, T29N, R7W API # 30-039-30868	
14. Distance in Miles from Nearest Town 33 miles - Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1020'	17. Acres Assigned to Well 319.52 (E/2)	
16. Acres in Lease 2,5436.150	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 66' from SJ 29-7 Unit 84	
19. Proposed Depth 8210'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6834' 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)	Date <u>12/01/2009</u>	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ATM DATE 5/20/2010

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.

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089

Hold C104
for Directional Survey
and "As Drilled" plat
NMOCDA

MAY 21 2010

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

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

Submit to Appropriate District Office
NOV 30 2009 State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-30868		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 84B
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			9 Elevation 6834'

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
A	1	29-N	7-W	(5)	1020	NORTH	1045	EAST	RIO ARriba

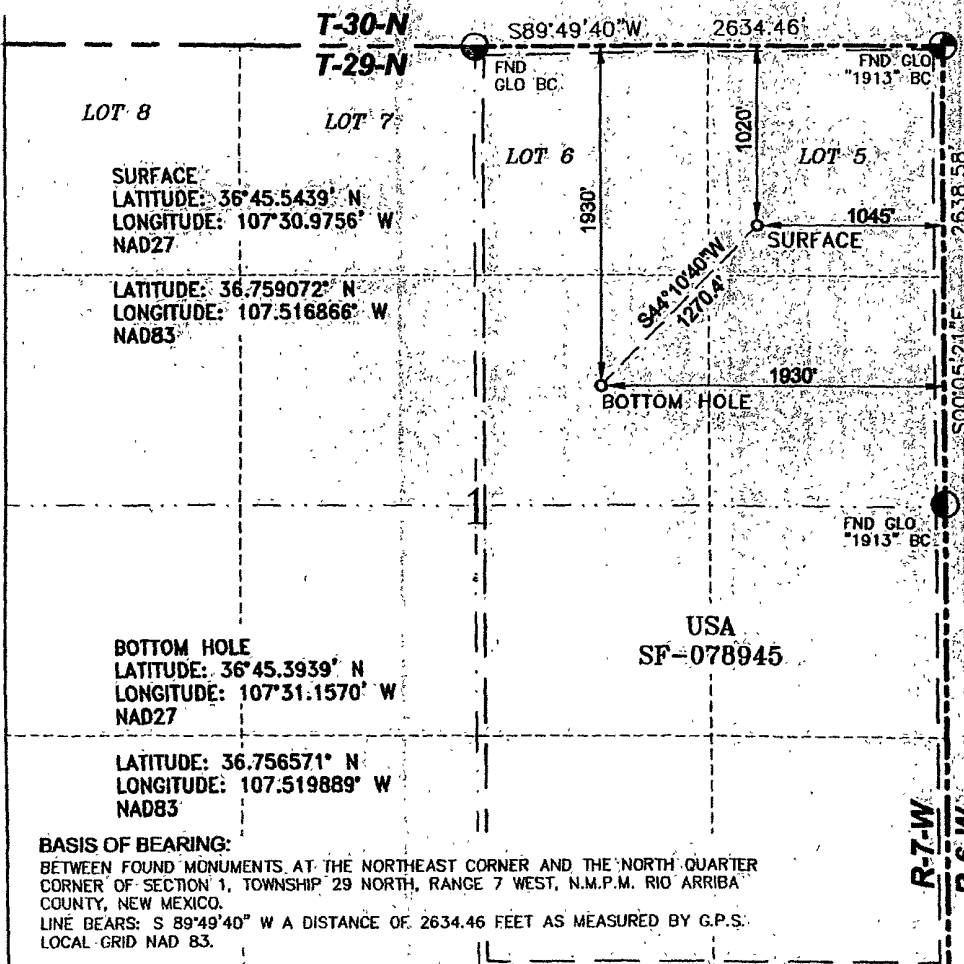
11 Bottom Hole Location If Different From Surface

Ul. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	1	29-N	7-W		1930	NORTH	1930	EAST	RIO ARriba

13 Dedicated Acres	15 Joint or Infill	14 Consolidation Code	16 Order No.
DK 319.52 ACRES E/2			
MV 319.52 ACRES 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

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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 the right to drill a well for the purpose of entering into a contract with an owner of such a mineral or a working interest, or to a secondary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Crystal Tafoya 11/25/09
Printed Name: Crystal Tafoya 11/25/09

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.

AUGUST 14, 2000

Date of Survey _____

Signature and Seal of _____



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 84B

DEVELOPMENT

Lease:	AFE #: WAN.CDR.9109			AFE \$: 1,698,754.38	
Field Name: SAN JUAN 29-7 UNIT	Rig: H&P Rig 283	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: 36.759066	Longitude: -107.516260	X:	Y:	Section: 01	Range: 007W
Footage X: 1045 FEL	Footage Y: 1020 FNL	Elevation: 6834	(FT)	Township: 029N	

Tolerance:

Location: Bottom Hole		Datum Code: NAD 27		Directional	
Latitude: 36.756565	Longitude: -107.519283	X:	Y:	Section: 01	Range: 007W
Footage X: 1930 FEL	Footage Y: 1930 FNL	Elevation:	(FT)	Township: 029N	

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6850	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	202	6648	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1415	5435	☐			
OJO ALAMO	2832	4018	☐			
KIRTLAND	2954	3896	☐			
FRUITLAND	3287	3563	☐			Possible Gas
PICTURED CLIFFS	3748	3102	☐			
LEWIS	3883	2967	☐			
Intermediate Casing	3983	2867	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 956 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4476	2374	☐			
CHACRA	4753	2097	☐			Est. Top Perf - 4753 (2095)
UPPER CLIFF HOUSE	5388	1462	☐			Gas; Cliffhouse is Dry
MASSIVE CLIFF HOUSE	5520	1330	☐	502		Gas
MENEFEE	5592	1258	☐			
POINT LOOKOUT	5929	921	☐			
MANCOS	6290	560	☐			
UPPER GALLUP	7170	-320	☐			
GREENHORN	7908	-1058	☐			
GRANEROS	7964	-1114	☐			
TWO WELLS	8030	-1180	☐	3440		Gas
PAGUATE	8081	-1231	☐			
UPPER CUBERO	8103	-1253	☐			
LOWER CUBERO	8135	-1285	☐			Est. Btm Perf - 8188 (-1340) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 29-7 UNIT 84B

DEVELOPMENT

ENCINAL	8210	-1360	☐	TD - T/ENCN
Total Depth	8210	-1360	☐	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 575 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Daum 4-A	29N 7W 1 SW NE NE
Production	SJ 30-6 86-A	30N 7W 36 SE NW SE
Production	SJ 29-7 85A	29N 7W 1 SW NE NW
Production	SJ 29-7 580	29N 7W 1 SE NW NE

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
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: San Juan 29 Wells
Well: San Juan 29-7 #84B
Wellbore: SJ 29-7 #84B
Design: Plan #1

Local Co-ordinate Reference: Well San Juan 29-7 #84B
TVD Reference: WELL @ 6850 0ft (Original Well Elev)
MD Reference: WELL @ 6850 0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

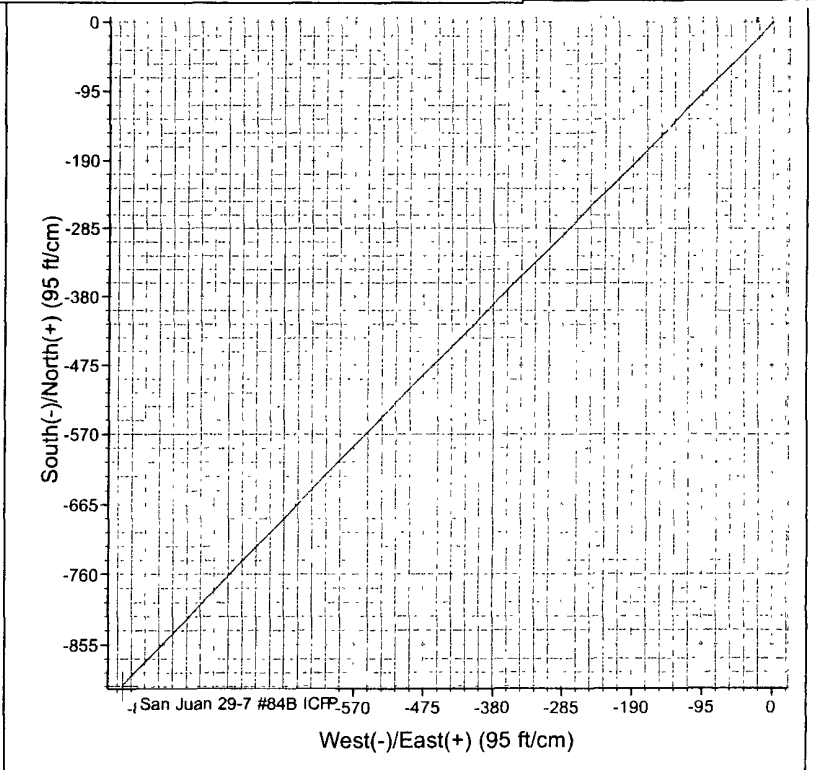
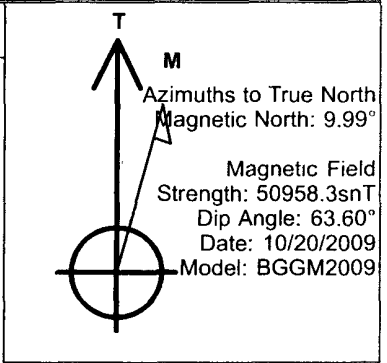
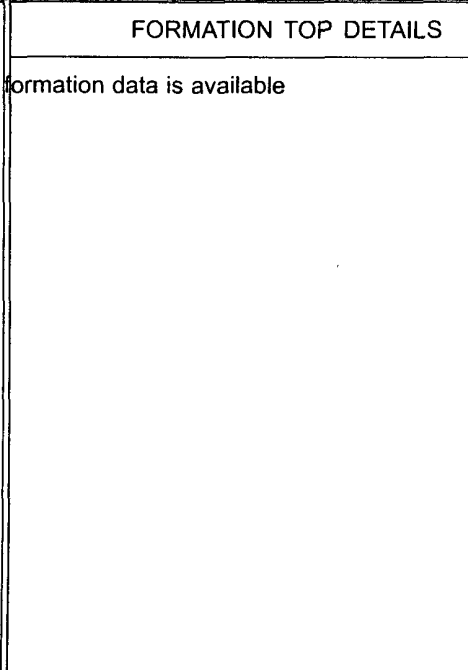
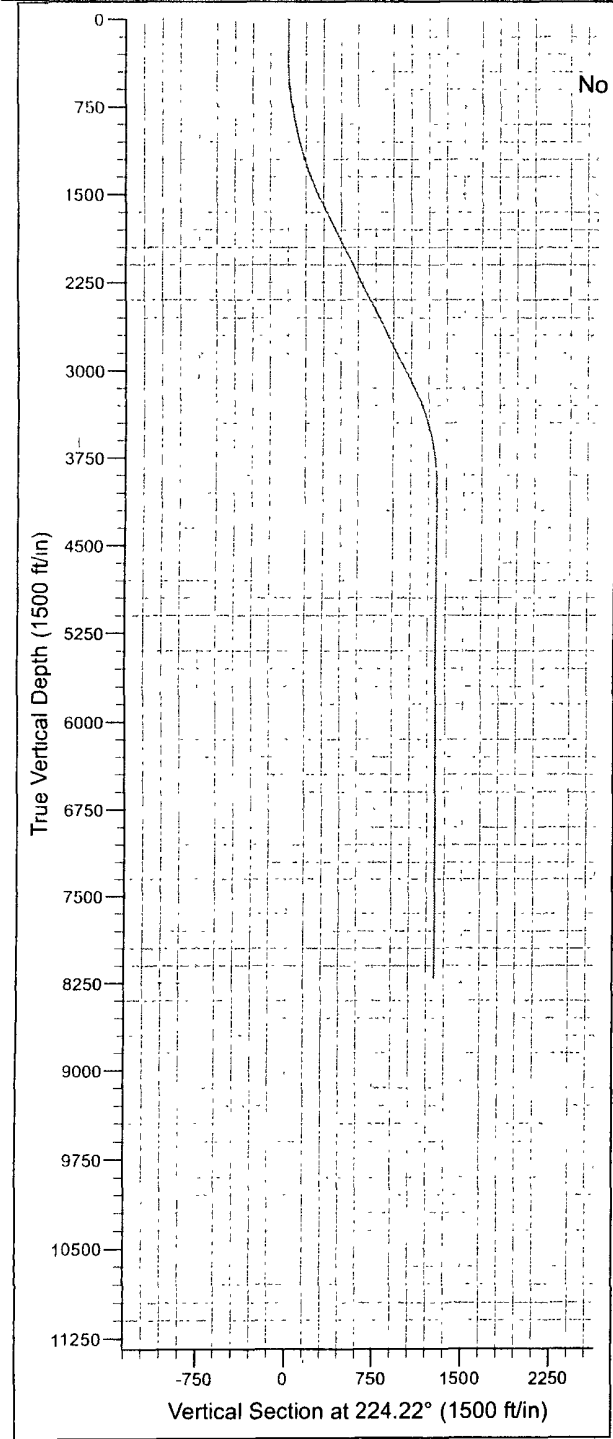
Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,530 7	3,287 0	Fruitland		0 00	
5,779 9	5,520 0	Mass Cliffhouse		0 00	
4,007 4	3,748 0	Pictured Cliffs		0 00	
5,851 9	5,592 0	Menefee		0 00	
7,429 9	7,170 0	Upper Gallup		0 00	
8,289 9	8,030 0	Two Wells		0 00	
3,162 0	2,954 0	Kirtland		0 00	
4,142 9	3,883 0	Lewis		0 00	
8,223 9	7,964 0	Graneros		0 00	
3,025 5	2,832 0	Ojo		0 00	
1,443 6	1,415 0	Nacimiento		0 00	
8,362 9	8,103 0	Upper Cubero		0 00	
8,469 9	8,210 0	Encinal		0 00	
5,012 9	4,753 0	Chacra		0 00	
6,549 9	6,290 0	Mancos		0 00	
8,394 9	8,135 0	Lower Cubero		0 00	
4,735 9	4,476 0	Huerfanto Bentonite		0 00	
5,647 9	5,388 0	Upper Cliffhouse		0 00	
8,167 9	7,908 0	Greenhorn		0 00	
6,188 9	5,929 0	Point Lookout		0 00	

REFERENCE INFORMATION WELL @ 6850.0ft (Original Well Elev) Ground Elevation 6834.0 Reference Lat: 36° 45' 32.634 N Reference Long: 107° 30' 58.536 W	Project: San Juan Basin - New Mexico Wells Site: San Juan 29 Wells Well: San Juan 29-7 #84B Wellbore: SJ 29-7 #84B Design: Plan #1	
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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	1652.9	26.66	224.22	1605.3	-218.2	-212.4	2.00	224.22	304.5	
4	3352.3	26.66	224.22	3124.1	-764.7	-744.2	0.00	0.00	1067.0	
5	4240.9	0.00	0.00	3981.0	-910.2	-885.7	3.00	180.00	1270.0	San Juan 29-7 #84B ICP
6	8467.9	0.00	0.00	8208.0	-910.2	-885.7	0.00	0.00	1270.0	San Juan 29-7 #84B PCP



Directions from the Post Office
in Blanco, NM
to

Burlington Resources Oil & Gas Company LP
SAN JUAN 29-7 UNIT 84B

1020' FNL & 1045' FEL,

Section 01, T29N, R7W, N.M.P.M., Rio Arriba County,
New Mexico

Lat: 36° 45' 32.66" N

Long: 107° 31' 00.72" W
Nad 1983

From the Intersection of Hwy 64 & 550
Take Highway 64 east for 24.0 miles to Hwy 539,
Turn left (northerly) on Hwy 539 for 2.2 miles
To Smith Pass road,
Turn right (easterly) on Smith Pass Road for 3.1 miles,
To the top of Smith Pass,
Turn right @ y-intersection (southeast) 4.0 miles,
Turn right (southwest) 0.1 miles to newly staked location
twinned with existing location (SAN JUAN 29-7 UNIT 84)