

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 25 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 NM-58887 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 RCVD APR 9 '10 OIL CONS. DIV.	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Newco 9. Well Number 1B
4. Location of Well Surface: Unit K(NESW), 1334' FSL & 1684' FWL Bottomhole: Unit M(SWSW), 1110' FSL & 710' FWL Surface: Latitude: 36.966596° N (NAD83) Longitude: 107.806027° W Bottomhole: Latitude: 36.965983° N (NAD83) Longitude: 107.809365° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 20, T32N, R9W API # 30-045-35130
14. Distance in Miles from Nearest Town 22 miles / Aztec	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 710'	
16. Acres in Lease 634.490	17. Acres Assigned to Well 317.89 W/2 - MV/DK
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 80' from Newco 1 (MV)	
19. Proposed Depth 8285'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6768' 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)	<u>3/25/2010</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE

AFM

DATE

4/5/2010

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.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOCDA

APR 13 2010

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

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos 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 30-045-35130	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 7361	⁵ Property Name NEWCO	⁶ Well Number 1B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6768

¹⁰ SURFACE LOCATION

UL or lot no. K	Section 20	Township 32-N	Range 9-W	Lot Idn	Feet from the 1334	North/South line SOUTH	Feet from the 1684	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. M	Section 20	Township 32-N	Range 9-W	Lot Idn	Feet from the 1110	North/South line SOUTH	Feet from the 710	East/West line WEST	County SAN JUAN
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¹² Dedicated Acres 317.89 W/2 cm	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 LOT 4	LOT 3	LOT 2	LOT 1
W/2 DEDICATED ACREAGE USA NM-58887 SECTION 20, T-32-N, R-9-W	LOT 6	LOT 7	LOT 8
LOT 5	LOT 11	LOT 10	LOT 9
BLM 1966	WELL FLAG NAD 83 LAT: 36.966596° N LONG: 107.806027° W NAD 27 LAT: 36°57.995621° N LONG: 107°48.324531° W	LOT 15	LOT 16
2637.2' (M) 2645.3' (R) S 77°06'15" W 1000.1' 1684'	LOT 14	LOT 13	LOT 12
E 710' N 0°18'20" E N 0°19' E 1110' N 89°56' W N 89°55'50" W	1334' 2624.2' (R) 2620.5' (M)	BLM 1966	BLM 1966

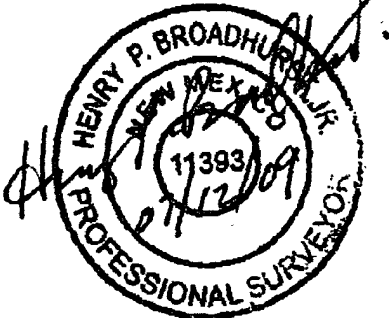
¹⁷ OPERATOR CERTIFICATION

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.

Tracey N. Monroe
Signature
Tracey N. Monroe
Printed Name
Staff Reg Tech
Title and E-mail Address
7/21/09
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: 6/23/09
Signature and Seal of Professional Surveyor

Certificate Number: NM 11393

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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWCO 1B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9205		AFE \$: 1,628,244.22	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #2		State: NM	County: SAN JUAN
API #:					
Geologist:	Phone:	Geophysicist:	Phone:		
Geoscientist:	Phone:	Prod. Engineer:	Phone:		
Res. Engineer:	Phone:	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		Directional	
Latitude: 36.966593	Longitude: -107.805408	X:	Y:	Section: 20	Range: 009W
Footage X: 1684 FWL	Footage Y: 1334 FSL	Elevation: 6768	(FT)	Township: 032N	
Tolerance:					
Location: Bottom Hole		Datum Code: NAD 27		Directional	
Latitude: 36.965980	Longitude: -107.808746	X:	Y:	Section: 20	Range: 009W
Footage X: 710 FWL	Footage Y: 1110 FSL	Elevation:	(FT)	Township: 032N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 6783 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Remarks					
Surface Casing	201	6582	☐		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.					
NACIMIENTO	631	6152	☐		
OJO ALAMO	2011	4772	☐		
KIRTLAND	2269	4514	☐		
FRUITLAND	3011	3772	☐		Possible Gas
PICTURED CLIFFS	3595	3188	☐		
LEWIS	3753	3030	☐		
Intermediate Casing	3853	2930	☐		
8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 904 cuft. Circulate cement to surface.					
HUERFANITO BENTONITE	4345	2438	☐		
CHACRA	4785	1998	☐		
UPPER CLIFF HOUSE	5216	1567	☐		Gas; Est. Top Perf - 5217 (1565)
MASSIVE CLIFF HOUSE	5571	1212	☐	358	Gas
MENEFEE	5618	1165	☐		
POINT LOOKOUT	5936	847	☐		
MANCOS	6329	454	☐		
UPPER GALLUP	7256	-473	☐		
GREENHORN	7985	-1202	☐		
GRANEROS	8039	-1256	☐		
TWO WELLS	8133	-1350	☐	3452	Gas
PAGUATE	8158	-1375	☐		
UPPER CUBERO	8173	-1390	☐		
LOWER CUBERO	8197	-1414	☐		Est. Btm Perf - 8264 (-1482) based on offset wells

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWCO 1B

DEVELOPMENT

ENCINAL	8255	-1472	☐	TD - 30' below T/ENCN
Total Depth	8285	-1502	☐	6-1/4" hole, 4-1/2" 11.6 ppf, J-55/L-80, LTC casing. Cement w/ 603 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	Newco 1	32N 9W 20 SW NE SW
Production	Newco 100	32N 9W 20 SW NE SW
Production	Wickens 1	32N 10W 24 SW NE
Production	Newco 1A	32N 9W 20 SW SW NW
Production	Newco 100S	32N 9W 20 SW SW NW

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
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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
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico Wells
Site: Other Named Wells
Well: Newco 1B
Wellbore: Principable Wellbore
Design: Plan #1

Local Co-ordinate Reference: Well Newco 1B
TVD Reference: WELL @ 6783.0ft (rig)
MD Reference: WELL @ 6783.0ft (ng)
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,354 0	2,268 0	Kirtland		0 00		
8,416 8	8,254 0	Encinal		0 00		
4,946 8	4,784 0	Chacra		0 00		
8,358 8	8,196 0	Lower Cubero		0 00		
5,732 8	5,570 0	Massive Cliff House		0 00		
4,506 8	4,344 0	Huerfanto Bentonite		0 00		
8,200 8	8,038 0	Graneros		0 00		
3,914 8	3,752 0	Lewis		0 00		
8,334 8	8,172 0	Upper Cubero		0 00		
6,490 8	6,328 0	Mancos		0 00		
8,319 8	8,157 0	Paguate		0 00		
2,078 5	2,010 0	Ojo Alamo		0 00		
630 6	630 0	Nacimiento		0 00		
5,779 8	5,617 0	Menefee		0 00		
3,146 5	3,010 0	Fruitland		0 00		
6,097 8	5,935 0	Point Lookout		0 00		
7,417 8	7,255 0	Upper Gallup		0 00		
8,294 8	8,132 0	Two Wells		0 00		
3,756 0	3,594 0	Pictured Cliffs		0 00		
8,146 8	7,984 0	Greenhorn		0 00		

REFERENCE INFORMATION

WELL @ 6783.0ft (rig)
Ground Elevation 6768.0
Reference Lat: 36° 57' 59.737 N
Reference Long: 107° 48' 19.472 W

Project: San Juan Basin - New Mexico Wells

Site: Other Named Wells

Well: Newco 1B

Wellbore: Princiable Wellbore

Design: Plan #1

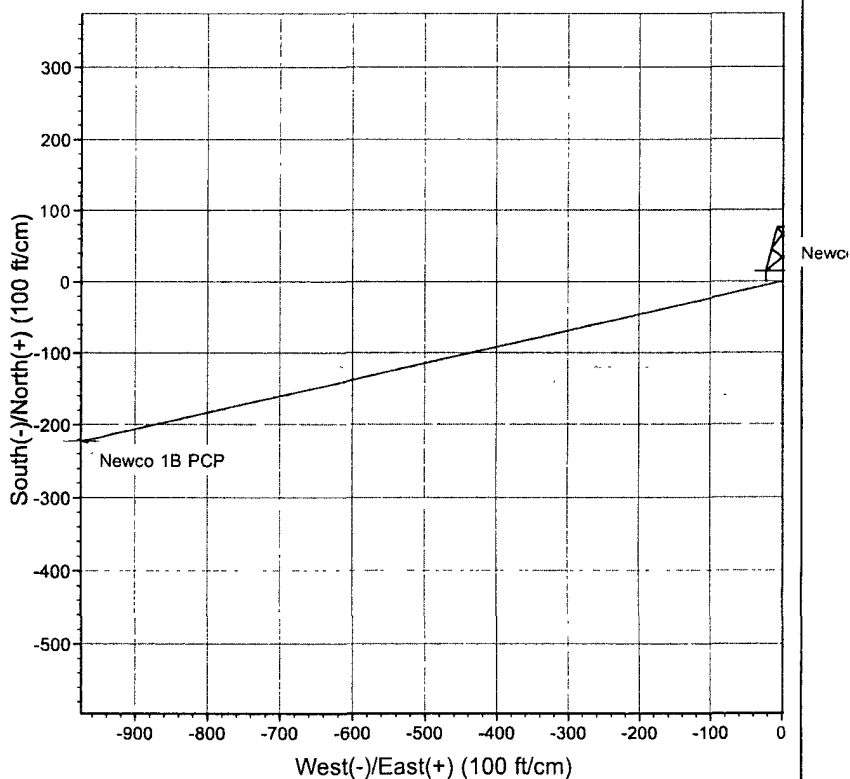
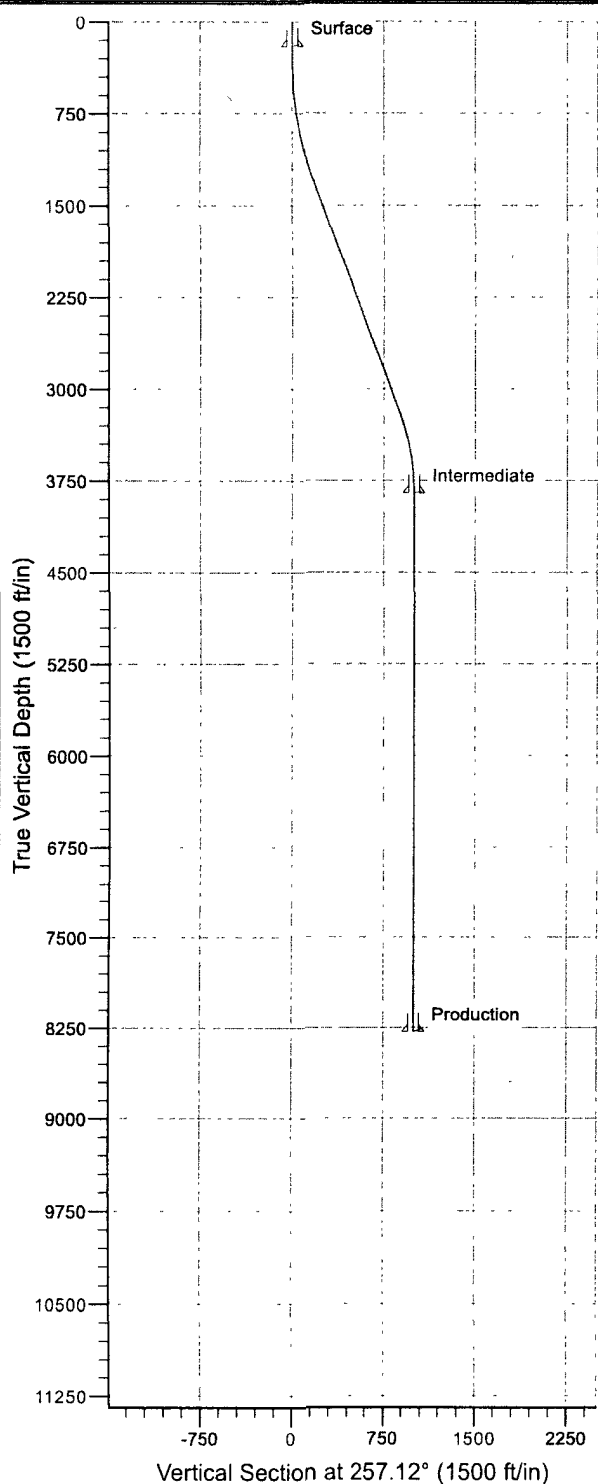
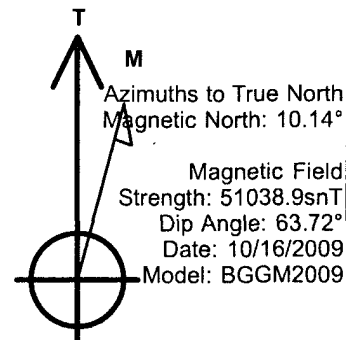
ConocoPhillips

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	1348.2	20.56	257.12	1326.3	-40.7	-178.0	2.00	257.12	182.5	
4	3329.3	20.56	257.12	3181.1	-195.9	-856.3	0.00	0.00	878.4	
5	4014.8	0.00	0.00	3852.0	-223.0	-975.0	3.00	180.00	1000.1	Newco 1B ICP
6	8446.8	0.00	0.00	8284.0	-223.0	-975.0	0.00	0.00	1000.1	Newco 1B PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
630.0	630.6	Nacimiento
2010.0	2078.5	Ojo Alamo
2268.0	2354.0	Kirtland
3010.0	3146.5	Fruitland
3594.0	3756.0	Pictured Cliffs
3752.0	3914.8	Lewis
4344.0	4506.8	Huerfano Bentonite
4784.0	4946.8	Chacra
5570.0	5732.8	Massive Cliff House
5617.0	5779.8	Menefee
5935.0	6097.8	Point Lookout
6328.0	6490.8	Mancos
7255.0	7417.8	Upper Gallup
7984.0	8146.8	Greenhorn
8038.0	8200.8	Graneros
8132.0	8294.8	Two Wells
8157.0	8319.8	Paguate
8172.0	8334.8	Upper Cubero
8196.0	8358.8	Lower Cubero
8254.0	8416.8	Encinal



BURLINGTON RESOURCES OIL & GAS COMPANY LP

NEWCO 1B

1334' FSL, 1684' FWL

SECTION 20, T-32-N, R-9-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

NAD 83 LAT.: 36.966596° N LONG.: 107.806027° W

ELEV.: 6768 NAVD88

NO NEW ACCESS

**DRIVING DIRECTIONS HEADING SOUTHEAST ON HWY 550 FROM AZTEC
NEW MEXICO:**

- **GO: 4.07 MILES NORTH ON HWY 550. TURN RIGHT ON CO.
ROAD #2770 INTO HART CANYON.**
- **GO: 6.6 MILES EAST ON CO. ROAD #2770. TURN LEFT AND
HEAD NORTH ONTO "ARKANSAS LOOP" ROAD.**
- **GO: 5.8 MILES NORTH. TURN RIGHT AT "T" IN ROAD.**
- **GO: 3.4 MILES EAST, THEN NORTH. TURN LEFT (WEST).**
- **GO: 1.3 MILES WEST ALONG RIDGE. TURN LEFT (SOUTH WEST)
AND CONTINUE ALONG RIDGE.**
- **GO: 0.8 MILES SOUTH WEST TO NEWCO 1 LOCATION. NEW WELL
TWINNED HERE.**