

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK MAY 06 2009

1a. Type of Work DRILL	5. Lease Number SF-078097 Farmington Field Office Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD MAY 14'09
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Bruington 9. Well Number 1M
4. Location of Well Surf: Unit A(NENE), 787' FNL & 923' FEL Bottomhole: Unit H(SENE), 1930' FNL & 710' FEL Surf: Latitude: 36.874659° N (NAD83) Longitude: 107.936122° W Bottomhole: Latitude: 36.87151° N (NAD83) Longitude: 107.935416° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) A Sec. 25, T31N, R11W API # 30-045-34975
14. Distance in Miles from Nearest Town 5.5 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 80.00	17. Acres Assigned to Well MV/DK 320.00 (N/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from Bruington 100	
19. Proposed Depth 7118'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5877' GL	22. Approx. Date Work will Start 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
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>5/6/2009</u>

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 5/13/09

Archaeological Report attached

Threatened and Endangered Species Report attached

Hold C104

for Directional Survey
and "As Drilled" plat

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 OGD 24 HRS.
PRIOR TO CASING & CEMENT

This action is subject to technical and procedural review pursuant to 43 CFR 3165.6 and appeal pursuant to 43 CFR 3165.4

NMOCD #6

Drilling operations authorized are subject to compliance with attached "General Requirements".

MAY 14 2009

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

MAY 06 2009

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

Bureau of Land Management ☐ AMENDED REPORT
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34975	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA / BLANCO MESAVERDE
⁴ Property Code 6864	⁵ Property Name BRUINGTON	⁶ Well Number 1M
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5877

¹⁰ SURFACE LOCATION

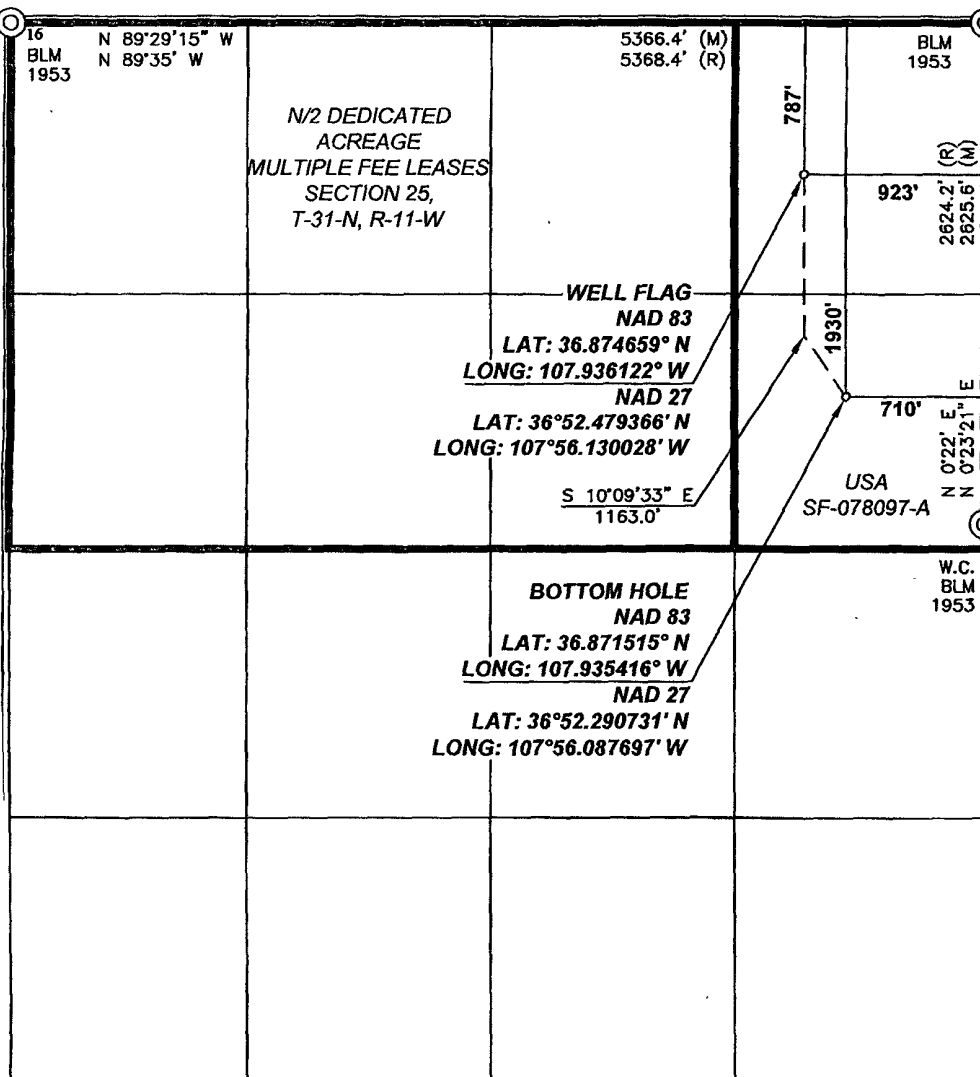
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	25	31-N	11-W		787	NORTH	923	EAST	SAN JUAN

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
H	25	31-N	11-W		1930	NORTH	710	EAST	SAN JUAN

¹² Dedicated Acres 320.00 (N/2)	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

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

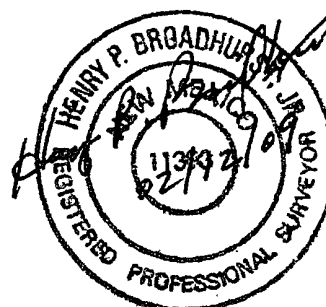
Crystal Tafoya 2/25/09
Signature

Printed Name
Crystal TafoyaTitle and E-mail Address
Regulatory TechnicianDate
February 25th, 2009¹⁸ 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: 2/6/09

Signature and Seal of Professional Surveyor



Certificate Number: NM 11393

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BRUINGTON 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8439		AFE \$: 1,526,120.70	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Hester, Colton		Phone: +1 505-326-9779		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Datum Code: NAD 27					
Latitude: 36.874656	Longitude: -107.935500	X:	Y:	Section: 25	Range: 011W
Footage X: 923 FEL	Footage Y: 787 FNL	Elevation: 5877 (FT)	Township: 031N		
Tolerance:					
Location: Datum Code: NAD 27					
Latitude: 36.871512	Longitude: -107.934794	X:	Y:	Section: 25	Range: 011W
Footage X: 710 FEL	Footage Y: 1930 FNL	Elevation:	(FT)	Township: 031N	
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 5892 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	499 200	5693	☐		
OJO ALAMO	1109	4783	☐		
KIRTLAND	1184	4708	☐		
FRUITLAND	1970	3922	☐		Possible Gas
PICTURED CLIFFS	2557	3335	☐		
LEWIS	2704	3188	☐		
HUERFANITO BENTONITE	3258	2634	☐		
CHACRA	3601	2291	☐		
Intermediate Casing	3604	2288	☐		
UPPER CLIFF HOUSE	4084	1808	☐		
MASSIVE CLIFF HOUSE	4198	1694	☐	457	Gas
MENEFEE	4367	1525	☐		
POINT LOOKOUT	4764	1128	☐		
MANCOS	5140	752	☐		
UPPER GALLUP	6068	-176	☐		
GREENHORN	6805	-913	☐		
GRANEROS	6855	-963	☐		
TWO WELLS	6910	-1018	☐	2725	Gas
PAGUATE	6998	-1106	☐		
LOWER CUBERO	7030	-1138	☐		
ENCINAL	7078	-1186	☐		
Est. Btm Perf - 7099 (-1206) based on offset wells; TD - 40' below T/ENCN					

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BRUINGTON 1M

DEVELOPMENT

Total Depth	7118	-1226	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 480 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	Heaton 26	31N 11W 25 SW NE SE
Production	Zachary LS 1E	31N 11W 25 SE NE SW
Production	Pierce SRC 2B	31N 10W 30 NW SE NW

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

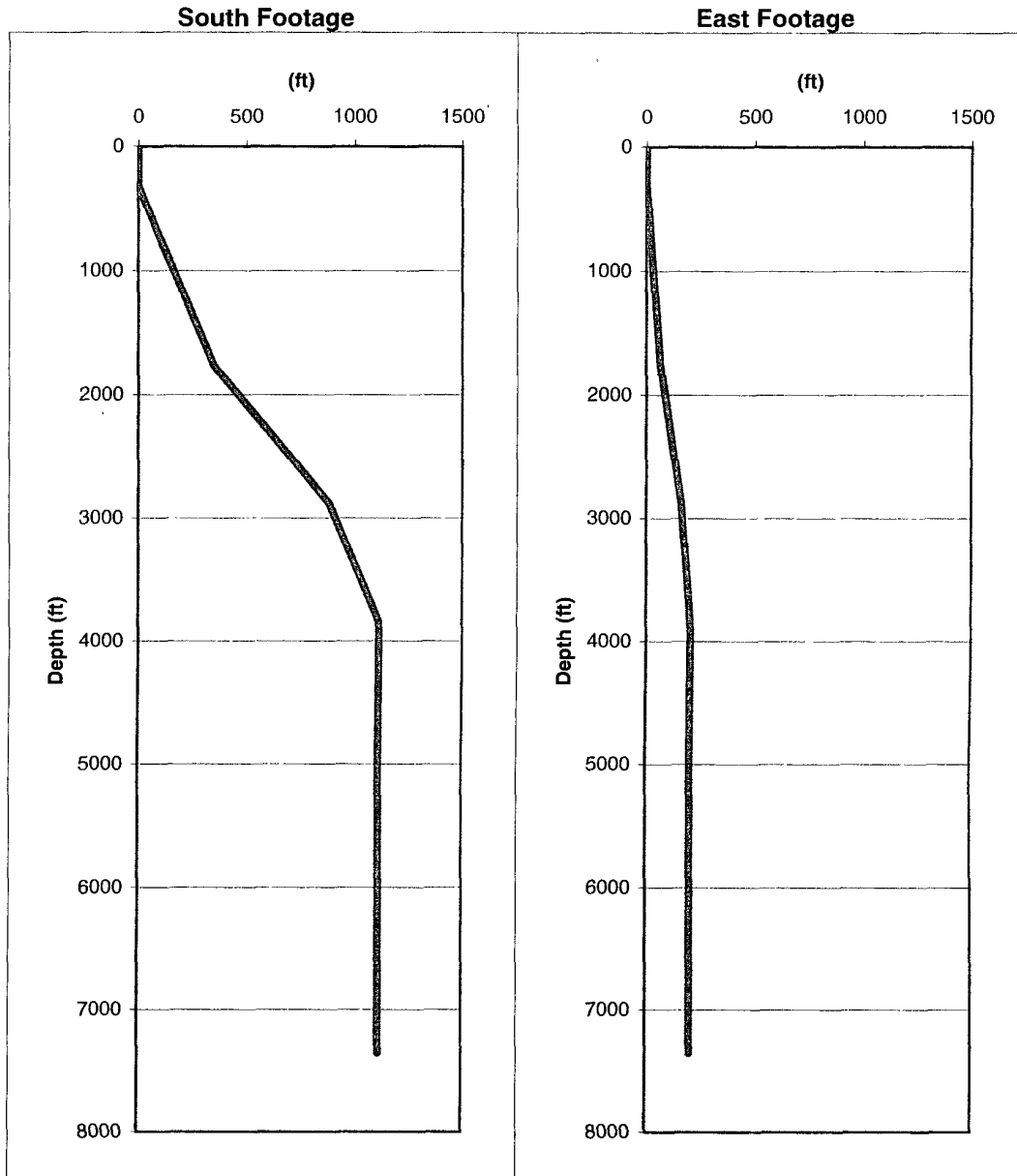
TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
Cased Hole GR / CBL	
Mudlog from 100' above top of GRHN to TD - mudlogger will call TD.	

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



Proposed Wellbore

Bruington 1M



ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well Bruington #1M
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 5892.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	RKB @ 5892.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	Bruington #1M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Bruington #1M		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,317.7	7,078.0	Encinal		0.00		
2,738.7	2,557.0	Pictured Cliffs		0.00		
6,307.7	6,068.0	Upper Gallup		0.00		
3,840.7	3,601.0	Chacra		0.00		
2,906.5	2,704.0	Lewis		0.00		
5,003.7	4,764.0	Point Lookout		0.00		
7,149.7	6,910.0	Two Wells		0.00		
7,044.7	6,805.0	Greenhorn		0.00		
4,323.7	4,084.0	Upper Cliff House		0.00		
7,094.7	6,855.0	Graneros		0.00		
5,379.7	5,140.0	Mancos		0.00		
4,437.7	4,198.0	Mass Cliffhouse		0.00		
1,197.7	1,184.0	Kirtland		0.00		
3,495.7	3,258.0	Huerfano Bentonite		0.00		
7,237.7	6,998.0	Paguate		0.00		
2,068.2	1,970.0	Fruitland		0.00		
4,606.7	4,367.0	Menefee		0.00		
1,119.3	1,109.0	Ojo		0.00		
7,269.7	7,030.0	Lower Cubero		0.00		

BURLINGTON RESOURCES OIL & GAS COMPANY LP

**BRUINGTON 1M
787' FNL, 923' FEL
SECTION 25, T-31-N, R-11-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.874659°N LONG.: 107.936122°W
GROUND ELEV.: 5877 FIN. ELEV.: 5883 NAVD88
NEW ACCESS 279.5'**

**FROM THE INTERSECTION OF HWY 550 & AZTEC BLVD. (SUNDIAL
CONOCO STORE) IN AZTEC, NEW MEXICO:**

- **GO 4.6 MILES NORTH ON HWY. 550 AND TURN RIGHT AT MAIL BOX #16456.**
- **GO 0.2 MILES SOUTHEAST, TURN LEFT AT ADDRESS POST #16458.**
- **GO 0.15 MILES SOUTHEAST, PASSING THE BRUINGTON SCR 1 ON THE ON THE EAST, STAY LEFT.**
- **GO 0.4 MILES EAST, UP ONTO MESA, FOLLOW ROAD AROUND A SHARP LEFT TURN.**
- **GO 0.3 MILES WEST ALONG RIDGE LINE, BEGIN A NEW 279.5 FOOT ACCESS ON THE RIGHT. BEFORE ENTERING THE BRUINGTON SRC 2 LOCATION.**