

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 29 2008

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-078200-B Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD MAY 8 '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 Riddle B 9. Well Number 10M
4. Location of Well Surf: Unit H(ENE), 2228' FNL & 670' FEL Surf: Latitude: 36.78428° N (NAD83) Lot 8/H Longitude: 107.86515° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 27, T30N, R10W API # 30-045-34969
14. Distance in Miles from Nearest Town 10 miles/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'	
16. Acres in Lease 949.760	17. Acres Assigned to Well MV/DK 318.22 (E/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1800' from Riddle B 1R (MV)	
19. Proposed Depth 7199'	 H ₂ S POTENTIAL EXIST 20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6101' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	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
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	Date <u>5/29/2009</u>

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 CASING & CEMENT

MAY 14 2009

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

NMCCD

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

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 W. Grand Avenue, Artesia, N.M. 80210

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

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

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

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34969		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA/BLANCO MESAVERDE
*Property Code 7427	*Property Name RIDDLE B		*Well Number 10 M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		*Elevation 6101'

¹⁰ Surface Location

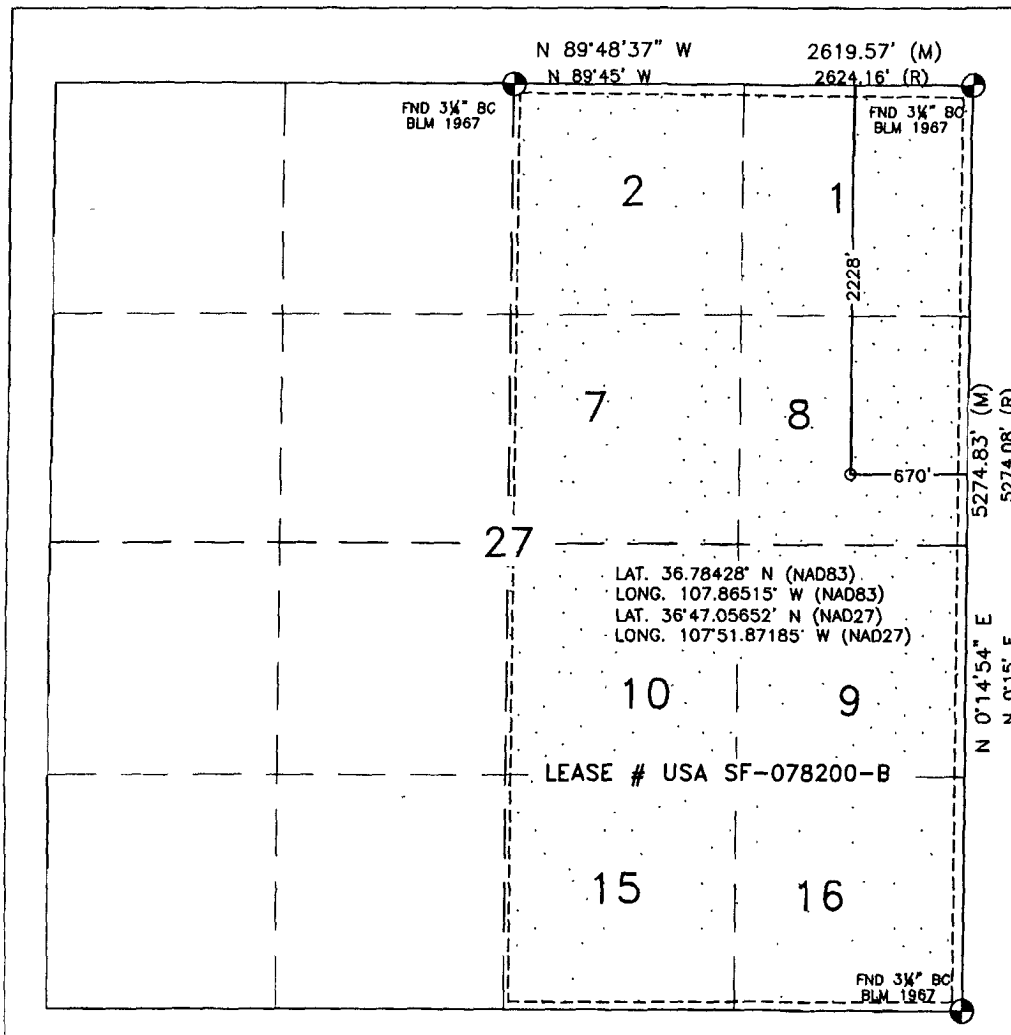
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	27	30N	10W	8	2228'	NORTH	670'	EAST	SAN JUAN

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									
¹² Dedicated Acres 318.22 Acres - (E/2)			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

10



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 or a compulsory pooling order heretofore entered by the division.

Crystal Tafoya 4/17/09
Signature Date

Crystal Tafoya 4-17-09

Printed Name

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 22, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

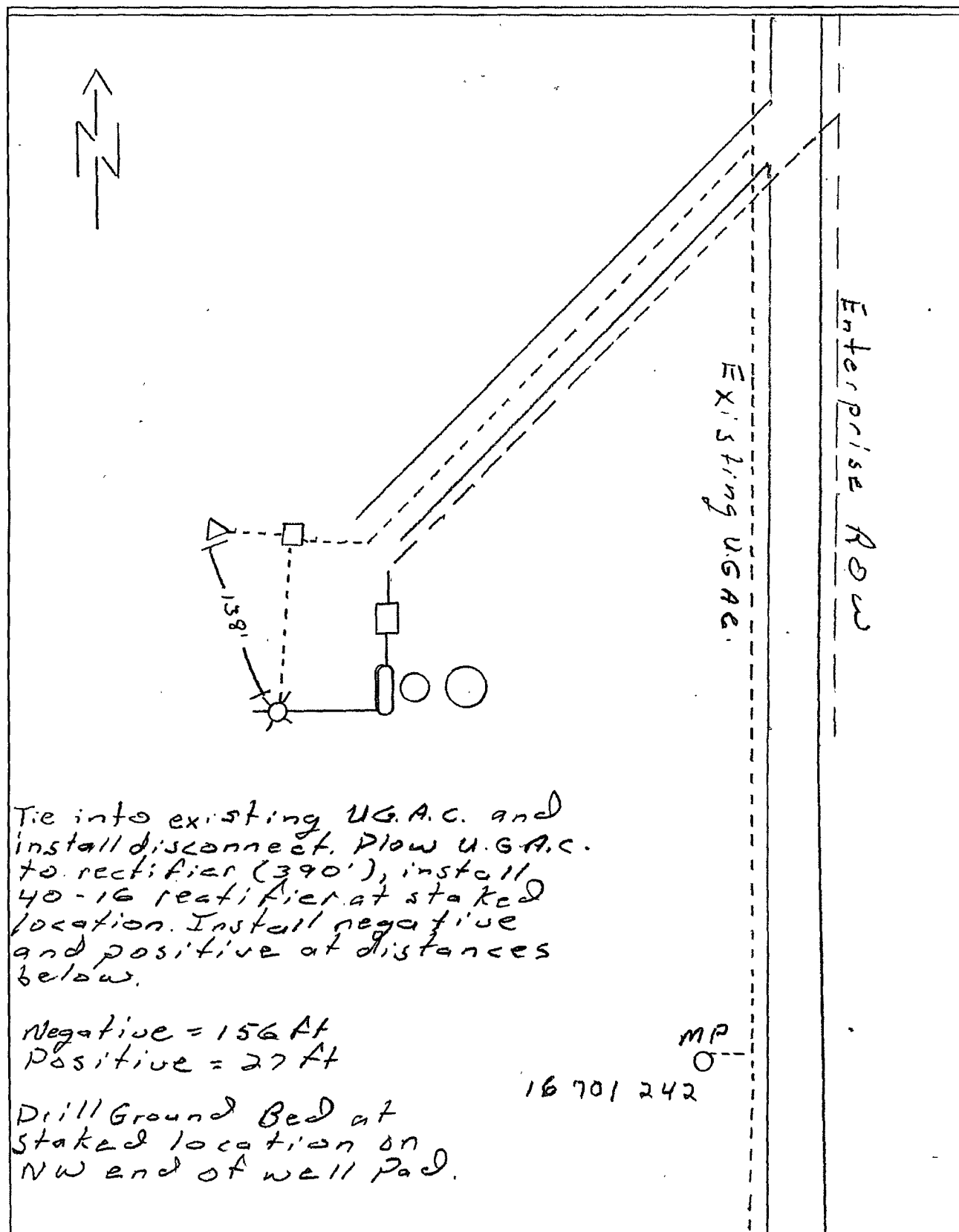
Certificate Number

10201

Cathodic Protection

Riddle B 10 m

Randy Smith



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

RIDDLE B 10M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8306		AFE \$: 1,328,460.07	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Johnson, David		Phone: +1 505-324-6169	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
RON	BLANCO MESAVERDE (PRORATED GAS)				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location:					
Latitude: 36.784275		Longitude: -107.864531		Datum Code: NAD 27	
Footage X: 670 FEL		Footage Y: 2228 FNL		Elevation: 6101 (FT)	
Tolerance:		Section: 27		Range: 010W	
Location Type: Year Round		Start Date (Est.): 1/1/2010		Completion Date:	
Formation Data: Assume KB = 6117		Units = FT		Date In Operation:	
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5917	☐		
OJO ALAMO	1345	4772	☐		
KIRTLAND	1497	4620	☐		
FRUITLAND	2103	4014	☐		Possible Gas
PICTURED CLIFFS	2679	3438	☐		
LEWIS	2825	3292	☐		
Intermediate Casing	2925	3192	☐		8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 659 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3397	2720	☐		
CHACRA	3653	2464	☐		
UPPER CLIFF HOUSE	4194	1923	☐		Gas; Est. Top Perf - 4196 (1921)
MASSIVE CLIFF HOUSE	4282	1835	☐	522	Gas
MENEFEE	4433	1684	☐		
POINT LOOKOUT	4940	1177	☐		
MANCOS	5269	848	☐		
UPPER GALLUP	6173	-56	☐		
GREENHORN	6898	-781	☐		
GRANEROS	6949	-832	☐		
TWO WELLS	6999	-882	☐	1929	Gas
PAGUATE	7085	-968	☐		
LOWER CUBERO	7139	-1022	☐		
UPPER CUBERO	7139	-1022	☐		Est. Btm Perf - 7179 (-1062) based on offset wells
ENCINAL	7199	-1082	☐		TD - T/ENCN
Total Depth	7199	-1082	☐		6-1/4" hole, 4-1/2" 11.6 ppf, L/N-80, LTC casing. Cement w/ 582 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

RIDDLE B 10M

DEVELOPMENT

Production	GRENIER 4-A	30N-10W26 SW SW
Production	RIDDLE B 10E	30N-10W27 NE SW SE
Production	RIDDLE 1-27	30N-10W27 SW NE
Production	GRENIER-A 4-E	30N-10W26 NW SE NW

Logging Program:

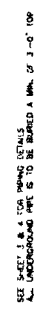
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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\$ JC : 43345

[illegible]

BURLINGTON RESOURCES OIL & GAS COMPANY LP

RIDDLE B #10 M
2228' FNL & 670' FEL
LOCATED IN THE SE/4 NE/4 OF SECTION 27,
T30N, R10W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 173 IN AZTEC, GO EAST ON HWY 173 FOR 8.2 MILES.
- 2) TURN RIGHT & GO 1.2 MILES TO BEGIN ACCESS AFTER CATTLE GAURD.
- 3) TURN RIGHT & FOLLOW RED FLAGGING FOR $\pm 390'$ TO NEW LOCATION.

WELL FLAG LOCATED AT LAT. 36.78428°N, LONG. 107.86515°W (NAD 83).

