

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 11 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-10431 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 FEB 1 '11 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 Burns Ranch 9. Well Number 2	
4. Location of Well Unit K(NESW), 1603' FSL & 1703' FWL Latitude: 36.736583° N (NAD83) Longitude: 107.208902° W	10. Field, Pool, Wildcat Choza Mesa Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 12, T29N, R4W API # 30-039- 30966	
14. Distance in Miles from Nearest Town 44 miles / Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1603'	17. Acres Assigned to Well 160.00 SW/4 - PC	
16. Acres in Lease 1,760.040		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1828' from Many Canyons 29-4-12 #33 (PC)		
19. Proposed Depth 3961'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7106' 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>5/11/2010</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 1/27/2011

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

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 2

Bond Numbers NMB-000015 and NMB-000089

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

FEB 08 2011

[Signature] NMOCD

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

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

RECEIVED

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 Land Management
1220 South St. Francis Dr. **Farmington Field Office**
Santa Fe, NM 87505

MAY 19 2010

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039- 30966	2 Pool Code 74960	3 Pool Name CHOZA MESA PICTURED CLIFFS
4 Property Code 18485	5 Property Name BURNS RANCH	
6 Well Number 2		
7 OGRID No. 14538	8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	
		9 Elevation 7106

10 SURFACE LOCATION

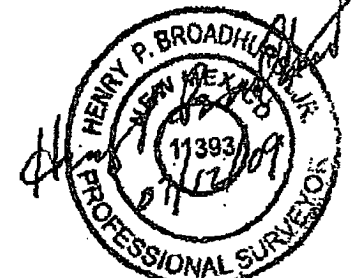
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	12	29-N	4-W		1603	SOUTH	1703	WEST	RIO ARriba

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
K									

12 Dedicated Acres 160.00 SW/4	13 Joint or Infill SW/4	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

<div style="border: 1px solid black; padding: 5px;"> <p>16</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>LOT 2</p> </div> <div style="text-align: center;"> <p>LOT 1</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>SECTION 12, T-29-N, R-4-W</p> </div> <div style="border: 2px solid black; padding: 10px; margin-top: 20px;"> <p style="text-align: center;">SW/4 DEDICATED ACREAGE NMNM-10431</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>2618.6' (R)</p> <p>1703'</p> <p>S 0°22'14" E</p> <p>S 89°41'57" E</p> <p>2580.5' (R)</p> </div> <div style="width: 45%;"> <p style="text-align: center;">WELL FLAG NAD 83 LAT: 36.736583° N LONG: 107.208902° W NAD 27 LAT: 36°44.194510' N LONG: 107°12.498229' W</p> </div> </div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>17 OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <div style="margin-top: 10px;"> <p><i>Crystal Tafoya</i> 5/4/10</p> <p>Signature</p> <p>Crystal Tafoya</p> <p>Printed Name</p> <p>Regulatory Technician</p> <p>Title and E-mail Address</p> <p>May 4, 2010</p> <p>Date</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <div style="margin-top: 10px;"> <p>Date of Survey: 7/1/09</p> <p>Signature and Seal of Professional Surveyor:</p> <div style="text-align: center;">  </div> </div> <p>Certificate Number: NM 11393</p> </div>
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PROJECT PROPOSAL - New Drill / Sidetrack

BURNS RANCH 2

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9128		AFE \$: 0.00	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #1		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
UPL	BLANCO PICTURED CLIFFS

Choza Mesa

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.736575	Longitude: -107.208303	X:	Y:	Section: 12	Range: 004W
Footage X: 1703 FWL	Footage Y: 1603 FSL	Elevation: 7106	(FT)	Township: 029N	
Tolerance:					

Location Type: Restricted	Start Date (Est.): 1/1/2011	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 7121	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	120	7001	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	3329	3792	<input type="checkbox"/>			
FRUITLAND	3470	3651	<input type="checkbox"/>			Gas
PICTURED CLIFFS	3761	3360	<input type="checkbox"/>	1262		Gas; TD - 200' below T/PCCF; Est. Top Perf - 3766 (3355)
Total Depth	3961	3160	<input type="checkbox"/>		115	6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 530 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Conoco 29-4 2	29N 4W 11 NW SE NE
Production	Conoco 29-4 5	29N 4W 12 NW SE NE
Production	Conoco 29-4 4	29N 4W 24 NW SE SW

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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Comments:

BURNS RANCH 2

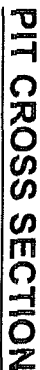
1603' FSL, 1703' FWL

SECTION 12, T-29-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 7106 FIN. ELEV.: 7103 NAVD88 DATE: JULY 1, 2009

NEW ACCESS 183.1'



CC1

CHENAULT CONSULTING INC.

P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 325-7707

NAD 83 LAT.: 36.736583°N / LONG.: 107.208902°W

305' x 360' = 2.52 ACRES

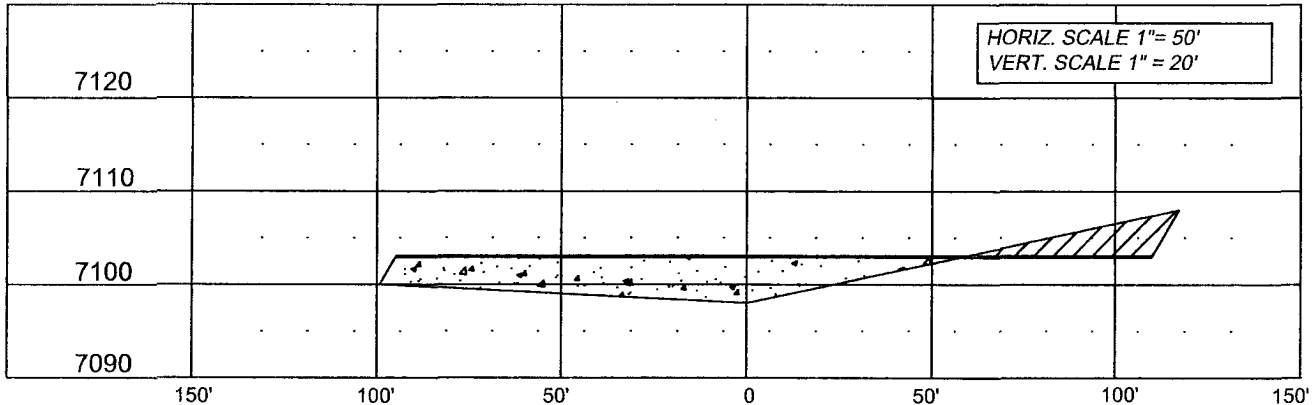
NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP
BURNS RANCH 2
 1603' FSL, 1703' FWL
 SECTION 12, T-29-N, R-4-W, N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO
 GROUND ELEV.: 7106 FIN. ELEV.: 7103 NAVD88

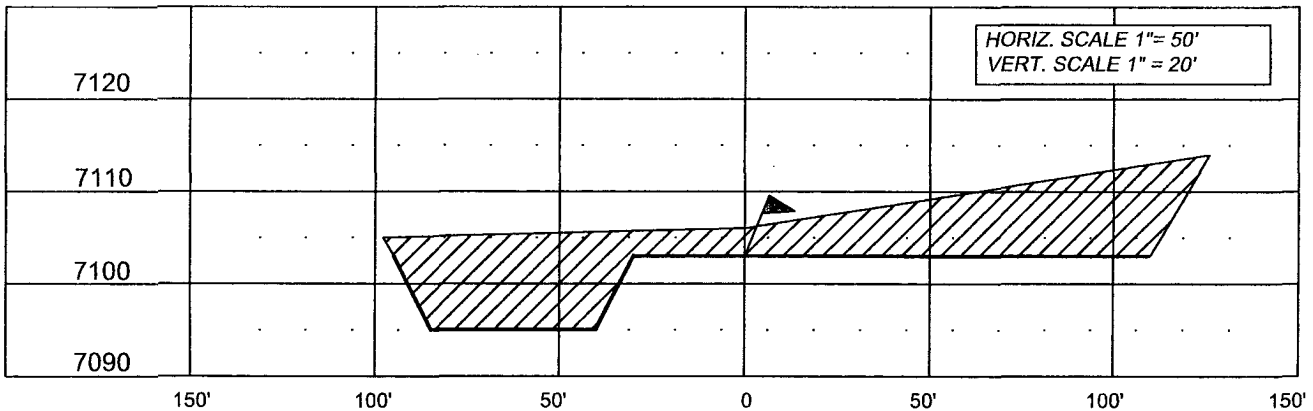
A - A'

C/L



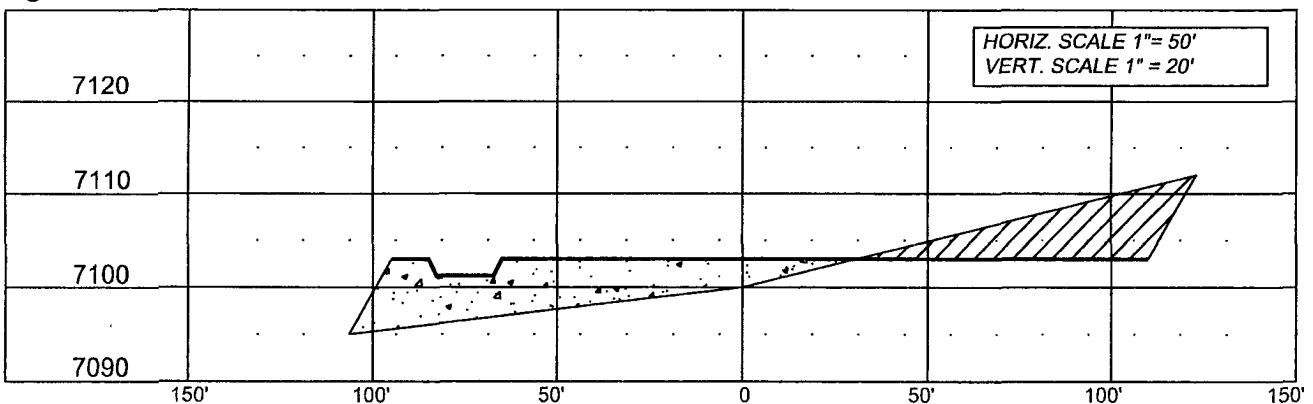
B - B'

C/L



C - C'

C/L



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS

NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUED FOR REVIEW	LH	7/6/09

CCI

P.O. BOX 328
 BLOOMFIELD, NM, 87413
 PHONE: (505) 325-7707

CHENAULT CONSULTING INC.