

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 03 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOC FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOC PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.	5. Lease Number USA SF-080594
1b. Type of Well GAS		Unit Reporting Number NMNM-78383D-DIC
		6. If Indian, All. or Tribe
		RCVD JUN 24 '08
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. Canyon Largo Unit Com	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name DIST. 3	
		9. Well Number 318F
4. Location of Well Unit M (SWSW), 855' FSL & 845' FWL Latitude 36.307933 N Longitude 107.426192 W	10. Field, Pool, Wildcat Basin Dakota	
		11. Sec., Twn, Rge, Mer. (NMPM) Sec. 13, T24N, R6W API # 30-039-30540
14. Distance in Miles from Nearest Town 8 Miles/Blanco, Counselors NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 845'		
16. Acres in Lease 685.400	17. Acres Assigned to Well DK 320.00 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 922' from C.L.U. #84		
19. Proposed Depth 6588'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6485' 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>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	Date <u>6-2-08</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE ACM

DATE 6/23/08

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 4 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

JUN 30 2008

NMOC

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

JUN 03 2008

Bureau of Land Management
Farmington Field Office

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 30-039-30540		² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 6888	⁵ Property Name CANYON LARGO UNIT COM		⁶ Well Number 318F
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6485

¹⁰ SURFACE LOCATION

UL or lot no. M	Section 13	Township 24-N	Range 6-W	Lot Idn	Feet from the 855	North/South line SOUTH	Feet from the 845	East/West line WEST	County RIO ARRIBA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. M	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320.00 (W/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

¹⁶ USA SF - 079086 USA SF - 080594-A W/2 DEDICATED ACREAGE USA SF-080594 SECTION 13 T-24-N, R-6-W WELL FLAG NAD 83 LAT: 36.307933° N LONG: 107.426192° W NAD 27 LAT: 36°18.475252' N LONG: 107°25.535347' W W 845' N 1°32'40" W N 1°19' W N 89°44' W N 89°58'16" W 855' 2639.5' (M) 2640.0' (R) 5259.5' (R) 5258.0' (M)	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 dygnon. <i>Crystal Walker</i> 4/15/08 Signature Crystal Walker Printed Name Regulatory Technician Title and E-mail Address April 15th, 2008 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: 2/11/08 Signature and Seal of Professional Surveyor:  Certificate Number: NM 11393	

COMPANY

Burlington Resources

CHARGE CODE

WAN.RFE.PD07.JM

WELL NAME

Canyon Largo Com # 318 F

DATE

12/11/2007

DUAL WELL

WELL NAME

Canyon Largo # 84

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RNGE

LATITUDE

LONGITUDE

13

24 N

6 W

38.307651 N

107.428259 W

COUNTY

Rio Arriba

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D.C. CABLES

A.C. CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

SAMS

TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
40/16	X			
	X			
100 A	X			
# 8	500 FT			
# 8	350 TREY			
	300 FT		JEMEZ	

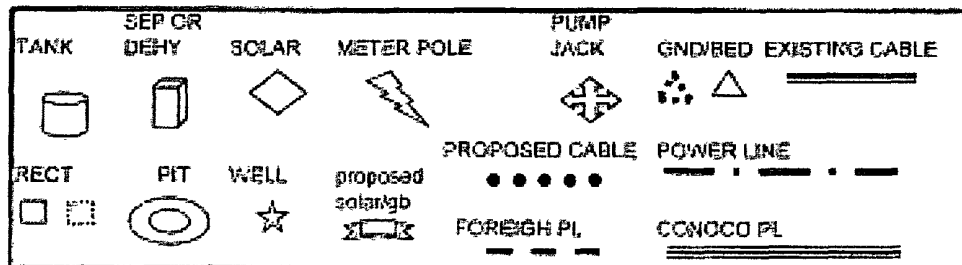
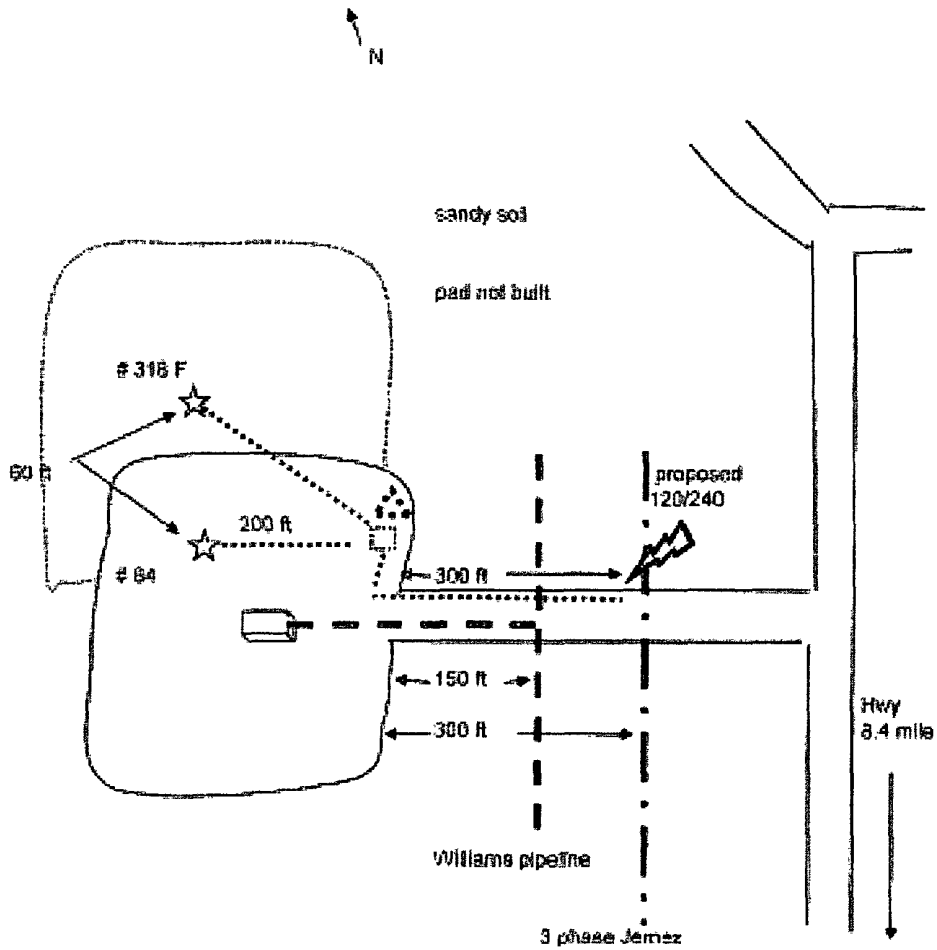
COMMENTS

COULD GET 3 PHASE 480 V IF NEEDED

SANDY SOIL

need two negatives

Canyon Largo 318 F



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

CANYON LARGO UNIT COM 318F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7420				AFE \$: 569,419.20	
Field Name: hBR_SAN JUAN		Rig: Bearcat Rig 4		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahvu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.307920		Longitude: -107.425589		X:	Y:	Section: 13	Range: 006W
Footage X: 845 FWL		Footage Y: 855 FSL		Elevation: 6485 (FT)		Township: 024N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6499 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200 320	6299	☐			12 1/4" Hole. 8 5/8" 24 ppf, J-55, STC casing. Cement with 200 cu-ft. Circulate cement to surface.	
OJO ALAMO	1521	4978	☐				
KIRTLAND	1710	4789	☐				
FRUITLAND	1826	4673	☐			Possible Gas	
PICTURED CLIFFS	2098	4401	☐				
LEWIS	2215	4284	☐				
HUERFANITO BENTONITE	2440	4059	☐				
CHACRA	2905	3594	☐				
MASSIVE CLIFF HOUSE	3595	2904	☐				
MENEFEE	3665	2834	☐				
MASSIVE POINT LOOKOUT	4267	2232	☐			GAS	
MANCOS	4549	1950	☐				
UPPER GALLUP	5355	1144	☐				
GREENHORN	6290	209	☐				
GRANEROS	6346	153	☐				
TWO WELLS	6381	118	☐	2034		Gas	
PAGUATE	6458	41	☐				
UPPER CUBERO	6491	8	☐				
LOWER CUBERO	6518	-19	☐				
OAK CANYON	6570	-71	☐				
TOTAL DEPTH DK	6588	-89	☐			7 7/8" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 2087 cu-ft. Circulate cement to surface. No open hole log.	
Reference Wells:							
Reference Type	Well Name		Comments				
Intermediate	Bolack D-2						
Production	Canyon Largo 297						

PROJECT PROPOSAL - New Drill / Sidetrack

CANYON LARGO UNIT COM 318F

DEVELOPMENT

Logging Program:

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

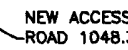
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR_CBL. Bottom perf 30' above TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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NEW ACCESS 1048.3'



NAD 83 LAT.: 36.307933°N / LONG.: 107.426192°W

330' x 400' = 3.030 ACRES

NOTES:

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW--3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. 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

CHENAULT CONSULTING INC.

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

CANYON LARGO UNIT COM #318F

855' FSL, 845' FWL

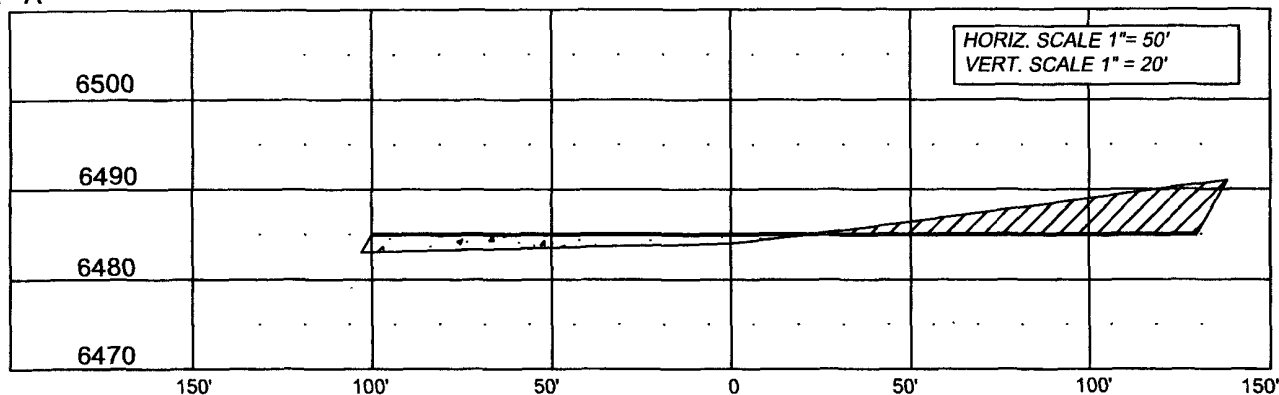
SECTION 13, T-24-N, R-6-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 6485 NAVD88

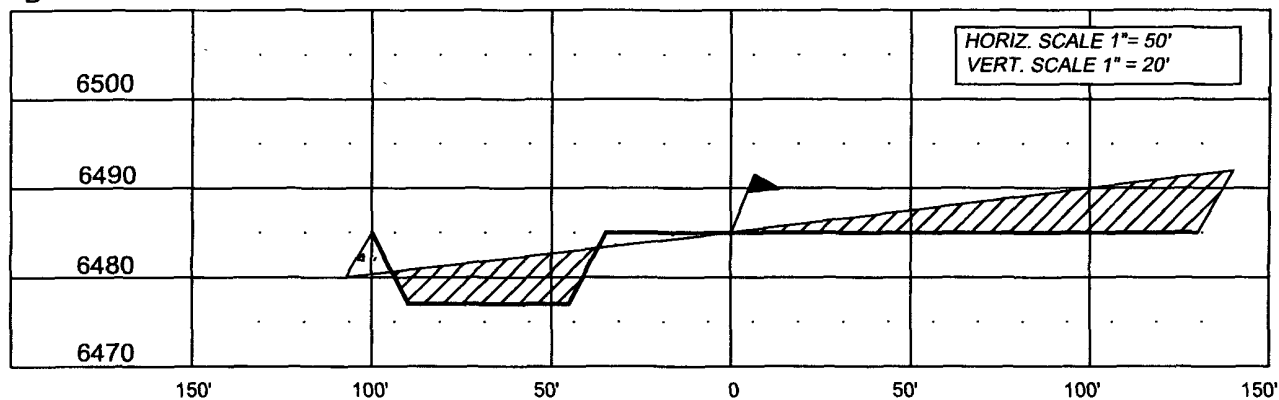
A - A'

C/L



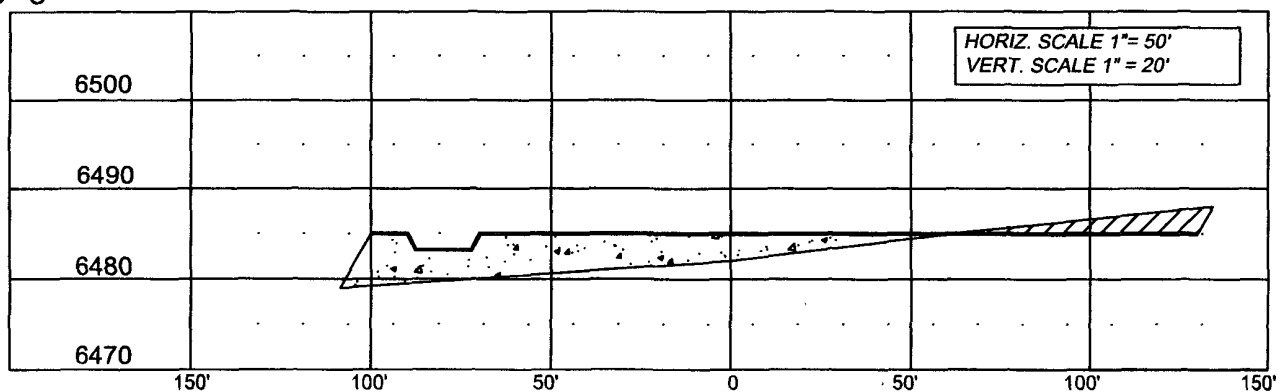
B - B'

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	TJR	12/03/07
2	WELL MOVE	TJR	2/11/08

CCI

CHENAULT CONSULTING INC.

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PHONE: (505) 325-7707

BURLINGTON RESOURCES OIL & GAS COMPANY LP

CANYON LARGO UNIT COM #318F

855' FSL, 845' FWL

SECTION 13, T-24-N, R-6-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

NAD 83 LAT.: 36.307933°N LONG.: 107.426192°W

ELEV.: 6485 NAVD88

NEW ACCESS 1048.3'

Heading Southeast on Hwy 550 from Bloomfield:

- Go: Approximately 54.3 miles south on Hwy 550 and turn left (north) just past Counselors "Stop & Go" convenience store onto State Hwy 403.
- Go: 8.4 miles north on State Hwy 403. TURN LEFT on existing access to BROG Canyon Largo Unit #84.
- GO: 0.1 miles west to begin 1048.3 ft new access from SW edge existing pad. Go westerly across wash to new well pad, entering 40 ft. from laydown stake on working side.