

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 13 2008

Bureau of Land Management
Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number NMSF-076386 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 JUN 25 '08 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 Lackey 9. Well Number #100S
4. Location of Well Surf: Unit B(NWNE), 660' FNL & 1445' FEL Surf: Latitude 36.774371° N Longitude 107.991985° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) B Sec. 33, T30N, R11W API # 30-045- 34740
14. Distance in Miles from Nearest Town 5 miles/Bloomfield	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 660'	13. State NM
16. Acres in Lease 155.490	17. Acres Assigned to Well 325.58 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 627' from Murphy E #3 - PC	20. Rotary or Cable Tools Rotary
19. Proposed Depth 2472'	
21. Elevations (DF, FT, GR, Etc.) 5966' GR	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>6/13/08</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 2 and Numbers NMB-000015 and NMB-000089

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.

DR
SU
31H₂S POTENTIAL EXIST

NMOCD

JUL 02 2008

NOTIFY AZTEC 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

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 7 Copies

Fee Lease - 3 Copies

JUN 13 2008

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34740	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 7237	⁵ Property Name LACKEY	⁶ Well Number 100S
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 5966

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
B	33	30-N	11-W		660	NORTH	1445	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
B									

¹² Dedicated Acres 325.58 (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

¹⁶ BLM 1969 WELL FLAG NAD 83 LAT: 36.774371° N LONG: 107.991985° W NAD 27 LAT: 36°46.462000' N LONG: 107°59.481739' W	BLM 1969 S 89°28'05" W S 89°24' W 660'	2634.8' (M) 2643.3' (R) BLM 1969	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. <i>Crystal Walker</i> 4/15/08 Signature Crystal Walker Printed Name Regulatory Technician Title and E-mail Address April 15th, 2008 Date
	E/2 DEDICATED ACREAGE SF-076386 SECTION 33 T-30-N, R-11-W	1445' 2724.5' (R) 2722.1' (R) 611' E 616' 21" E ZZ BLM 1969	
SF-043260-A BLM 1969	BLM 1969 C.C.		

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.48		
LACKEY # 100 S	DATE	4/14/2008
WELL NAME		
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
B 33	30 N	11 W	36 46'27.7362" N	107 59'31.1479" W

COUNTY

SAN JUAN

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

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	X			
	X			
	X			
# 8	200'			
# 8	1800'			
			CITY OF FMN	
			1000'	

COMMENTS

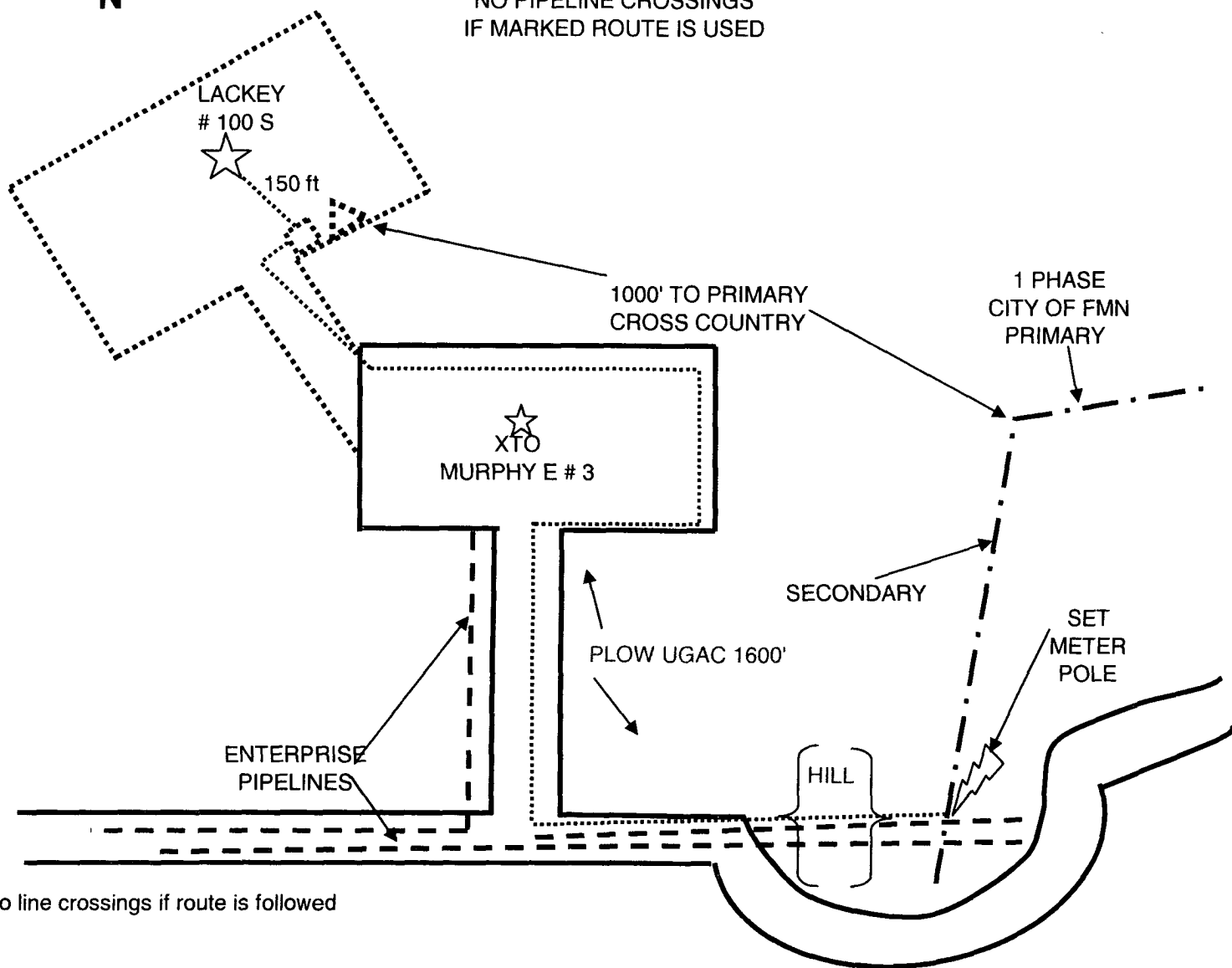
set meter pole - plow ugac to loc 1600 ft - 1 phase city Fmt power 1/2 mile across
country - short steep hill noted - install rectifier system - mostly sandy clay

WELL NAME
LACKEY # 100 S



INSTALL RECTIFIER SYSTEM

NO PIPELINE CROSSINGS
IF MARKED ROUTE IS USED



TANK 	SEP OR DEHY 	SOLAR 	METER POLE 	PUMP JACK 	GND/BED EXISTING CABLE
RECT 	PIT 	WELL 	proposed solar/gb 	PROPOSED CABLE 	POWER LINE
			FOREIGN PL 		CONOCO PL

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LACKEY 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8046		AFE \$: 223,531.14	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.774367	Longitude: -107.991362	X:	Y:	Section: 33	Range: 011W
Footage X: 1445 FEL	Footage Y: 660 FNL	Elevation: 5966	(FT)	Township: 030N	
Tolerance:					

Location Type:	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
Formation Data: Assume KB = 5977 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5857	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	895	5082	☐			
KIRTLAND	1015	4962	☐			
FRUITLAND	1854	4123	☐			Gas
FRUITLAND COAL	1987	3990	☐			
PICTURED CLIFFS	2272	3705	☐	400		Gas
Total Depth	2472	3505	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 380 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Intermediate	Murphy E #3	

Logging Program:

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

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

GR_CBL

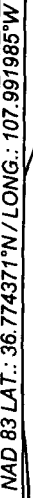
Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

Comments:

LACKEY 100S

NEW ACCESS 627.4'



BURLINGTON RESOURCES OIL & GAS COMPANY LP

LACKEY 100S

660' FNL, 1445' FEL

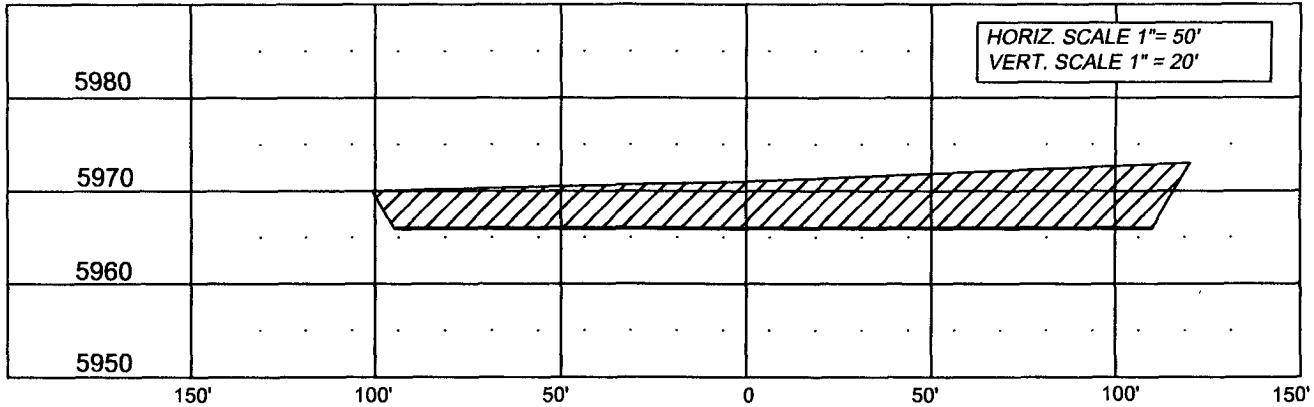
SECTION 33, T-30-N, R-11-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 5966 NAVD88

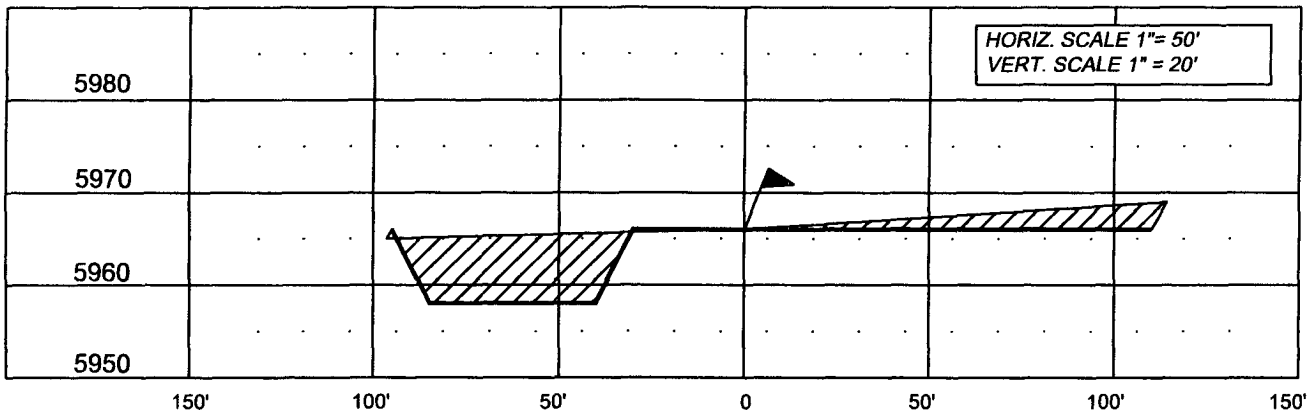
A - A'

C/L



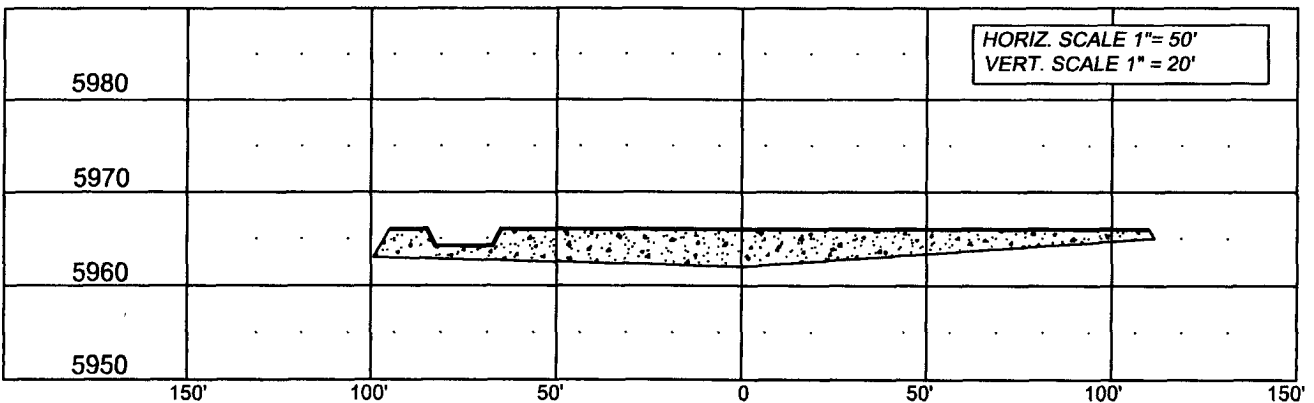
B - B'

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	A F	3/20/08

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

**LACKEY 100S
660' FNL, 1445' FEL
SECTION 33, T-30-N, R-11-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
NAD 83 LAT.: 36.774371°N LONG.: 107.991985° W
ELEV.: 5966 NAVD88
NEW ACCESS ROAD 627.4'**

DRIVING DIRECTIONS TO: BROG LACKEY #100S

Driving directions from Bloomfield, NM

Beginning at the intersection of Hwy 550 NORTH and Hwy 64 EAST (traffic light by Dollar General Store)

- Go: 4.5 miles north on Hwy 550 towards Aztec N.M. TURN LEFT (WEST) on Pipeline road.
- Go: 0.6 miles west on Pipeline road. TURN RIGHT (NORTH) on well access road to XTO Murphy E #3 well.
- Go: 0.2 miles north on Murphy E #3 well location. Begin 627.7 foot new access road off of the NW edge of this location.