

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA NM-015150 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Lively 9. Well Number #12M
4. Location of Well Surf: Unit I (NESE), 1510' FSL & 880' FEL SURF: Latitude 36° 36.8979 N Longitude 107° 37.5447 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 36, T28N, R8W API # 30-045- 34300
14. Distance in Miles from Nearest Town 17 mile/Blanco	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 880'	
16. Acres in Lease	17. Acres Assigned to Well MV/DK - 314.51 (8/2)
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2040' BP Blanco A 1M (MV/DK)	
19. Proposed Depth 7228'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6311' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	5-3-07 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 5/16/07

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

NMOCD

5/18

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

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

2007 MAY -4 PM 3:34

☐ AMENDED REPORT
RECEIVED
BLM

210 EAST BURLINGTON NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045 - 34300	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 18182	*Property Name LIVELY	*Well Number 12M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP	*Elevation 6311'

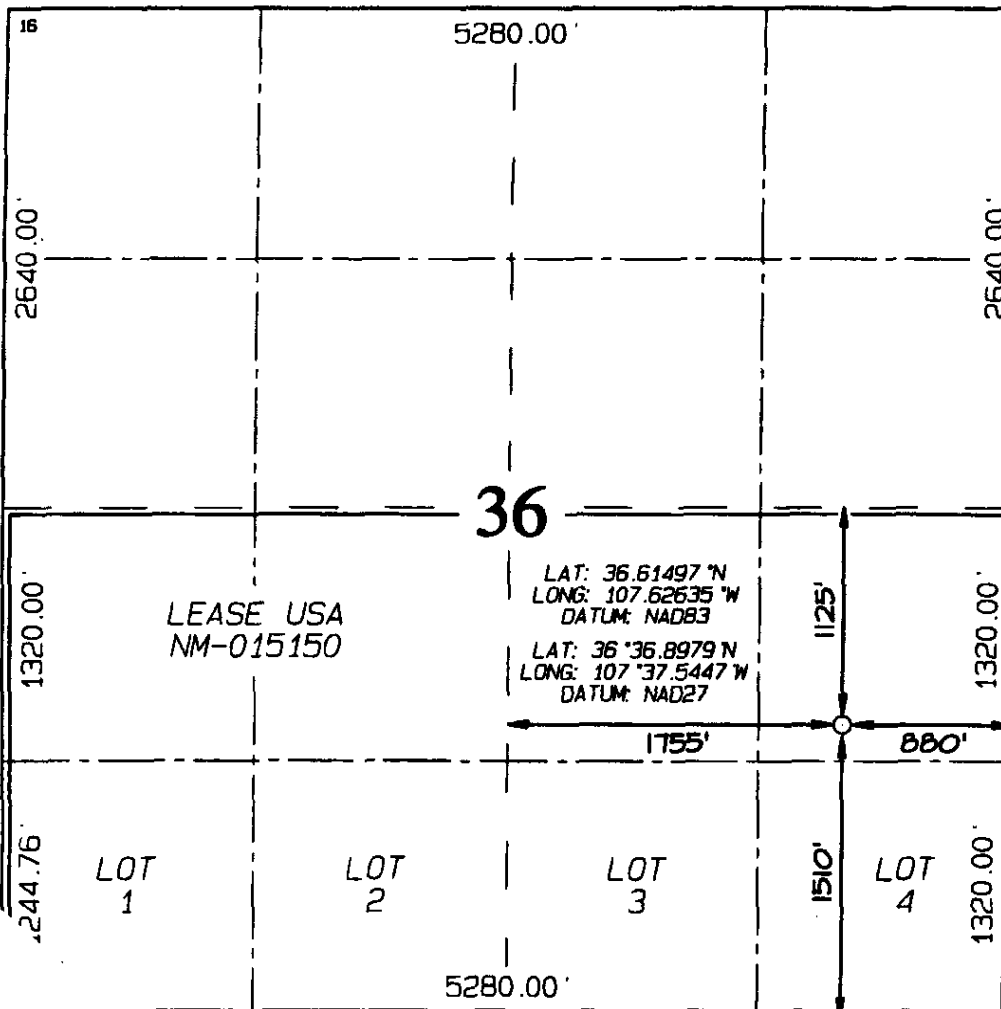
¹⁰ Surface Location

UL or lot no. I	Section 36	Township 28N	Range 8W	Lot Idn	Feet from the 1510	North/South line SOUTH	Feet from the 880	East/West line EAST	County SAN JUAN
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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
								RCVD MAY18'07	
								OIL CONS. DIV.	
*Dedicated Acres 314.54 Acres - S/2					*Joint or Infill	*Consolidation Code	*Order No. DIST. 3		

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.

Tracey N Monroe 1/23/07

Signature Date

Tracey N Monroe

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.

Survey Date: JANUARY 15, 2007

Signature and Seal of Professional Surveyor



Jason C. Edwards

Certificate Number 15269

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Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p>		<p>WELL API NO. 30-045- 34300</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other</p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP</p>		<p>6. State Oil & Gas Lease No. Federal Lease # USA NM-015150</p>
<p>3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402</p>		<p>7. Lease Name or Unit Agreement Name Lively</p>
<p>4. Well Location Unit Letter <u>1</u> : <u>1510'</u> feet from the <u>South</u> line and <u>880'</u> feet from the <u>East</u> line Section <u>36</u> Township <u>28N</u> Rng <u>8W</u> NMPM County <u>San Juan</u></p>		<p>8. Well Number #12M</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6311'</p>		<p>9. OGRID Number 14538</p>
<p>10. Pool name or Wildcat Blanco MV/Basin DK</p>		
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		
<p>Pit type <u>New Drill</u> Depth to Groundwater <u>>100</u> Distance from nearest fresh water well <u>>1000</u> Distance from nearest surface water <u>>1000</u> Pit Liner Thickness: <u>N/A</u> mil Below-Grade Tank: <u>Volume</u> bbls; Construction Material <u></u></p>		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

New Drill, lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flame pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flame pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Rhonda Rogers TITLE Regulatory Technician DATE 5-3-07

Type or print name Rhonda Rogers E-mail address: ogerrs@conocophillips.com Telephone No. 505-599-4018

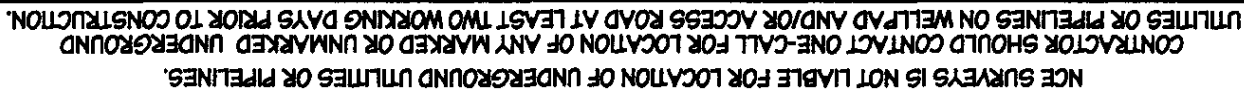
For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 4 DATE MAY 18 2007

Conditions of Approval (if any):

LATITUDE: 36°36.8979N
LONGITUDE: 107°37.5447W
DATE: 1927

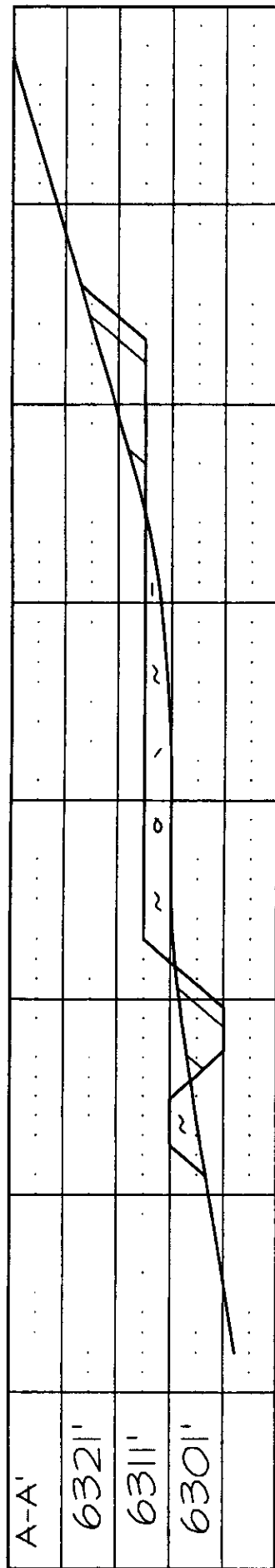
Bureau of Land Management



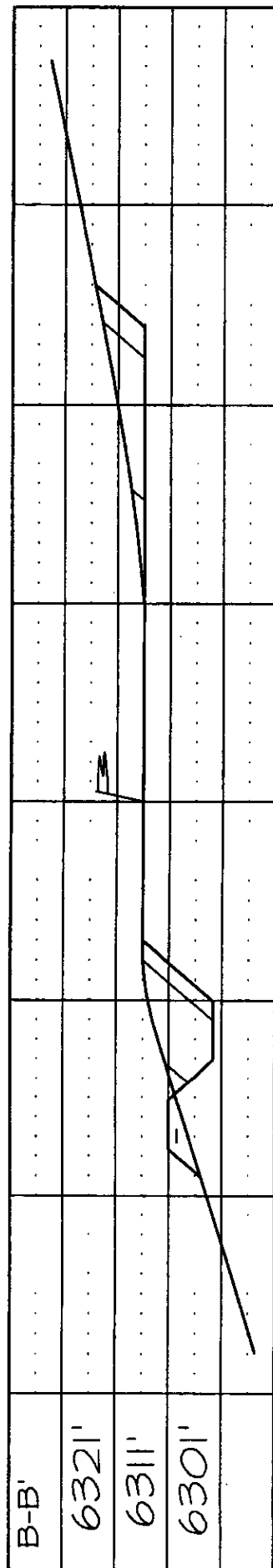
HORIZONTAL SCALE 1"=40'

C/L

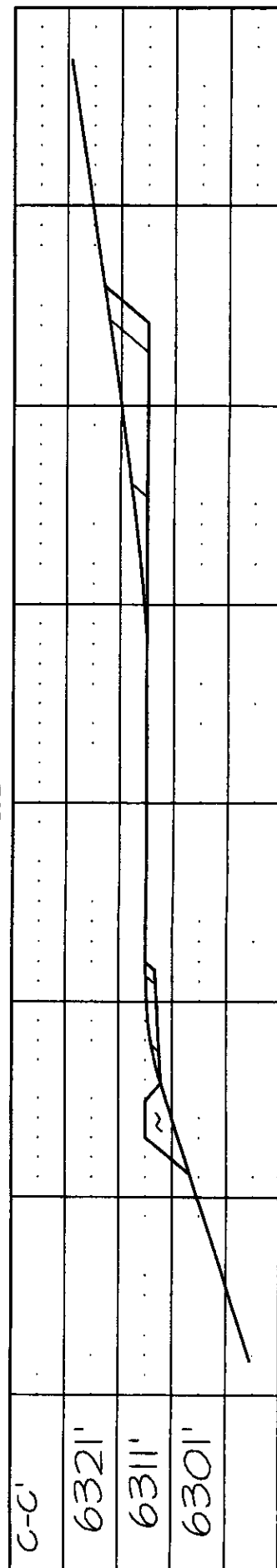
VERTICAL SCALE 1"=30'



C/L



C/L



NCE SURVEYS IS NOT LIABLE FOR LOCATION OF UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CONTACT ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED UNDERGROUND UTILITIES OR PIPELINES ON WELL PAD AND/OR ACCESS ROAD AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LIVELY 12M

DEVELOPMENT

Lease:		AFF #: WAN.CDR.7040		AFF \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 184		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	

Primary Objective (Zones):	
Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.614965	Longitude: -107.625745	X:	Y:	Section: 36	Range: 008W
Footage X: 880 FEL		Footage Y: 1510 FSL		Elevation: 6311 (FT)	Township: 028N
Tolerance:					

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6323	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	216	6107	<input type="checkbox"/>			12-1/4 hole. 216' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJO ALAMO	1942	4381	<input type="checkbox"/>			
KIRTLAND	2004	4319	<input type="checkbox"/>			
FRUITLAND	2470	3853	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2745	3578	<input type="checkbox"/>			
LEWIS	2884	3439	<input type="checkbox"/>			
Intermediate Casing	2984	3339	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 671 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3241	3082	<input type="checkbox"/>			
CHACRA	3699	2624	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	4328	1995	<input type="checkbox"/>	468		Gas
MENEFEE	4423	1900	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	4991	1332	<input type="checkbox"/>			
MANCOS	5371	952	<input type="checkbox"/>			
UPPER GALLUP	6168	155	<input type="checkbox"/>			
GREENHORN	6895	-572	<input type="checkbox"/>			
GRANEROS	6956	-633	<input type="checkbox"/>			
TWO WELLS	7006	-683	<input type="checkbox"/>	3070		Gas
UPPER CUBERO	7121	-798	<input type="checkbox"/>			
LOWER CUBERO	7141	-818	<input type="checkbox"/>			
ENCINAL	7198	-875	<input type="checkbox"/>			
TOTAL DEPTH DK	7228	-905	<input type="checkbox"/>			585 6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 366 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments

PROJECT PROPOSAL - New Drill / Sidetrack

LIVELY 12M

DEVELOPMENT

Logging Program:Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple ComboTD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 28N08W36SE1 and MVNM028N008W36SE1

Zones - DK 28N08W36SE1 and MVNM028N008W36SE1