

Bureau of Land Management

Form 3160-3 (September 2001)

# Durango, Colorado **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

## FORM APPROVED OMB No. 1004-0136

Expires January 31, 200	)
Lease Serial No.	
I-22-IND-2772	

APPLICATION FOR PERMIT TO DRILL OR REENTER	6.	lf	f India	n, Alle	ottee	or Tr	ibe Na	ame
					_			

Well plat certified by a registered surveyor.	1	<del></del>	as unless covered by an existing	
The following, completed in accordance with the requirements of Onsho				AL
6330, GR Venting / Flaring approved for 30 days	24. Attachments	?	EE ATTACHED	7
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta	art*	23. Estimated duration	
to nearest well, drilling, completed, applied for, on this lease, ft.	3,100'			
18. Distance from proposed location*	19. Proposed Depth	20. BLM/E	BIA Bond No. on file	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  16. No. of Acres in lease 8,400  17. Spacing Unit dedicated to this well acres E/A 320				
5 miles to La Plata	T., S	1	San Juan	NM
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State
At proposed prod. zone				
At surface NENE Lot A 990' FNL & 1290	* FEL		A Sec 22-T32N-F	R14W NMPM
4. Location of Well (Report location clearly and in accordance with	any State requirements.*)		11. Sec., T., R., M., or Bik. ar	•
Farmington, NM 87402-8807	(505) 326-9700		Basin Dakota	
3a. Address 3401 E. 30th St.	3b. Phone No. (include area code)		10. Field and Pool, or Explora	atory
2. Name of Operator Burlington Resources		Ì	9. API Well No. 30-045-	33303
1b. Type of Well: Oil Well 🖾 Gas Well 🚨 Other	ple Zone	8. Lease Name and Well No	'Ute #74	
la. Type of Work: TX DRILL REENTE	R		7. If Unit or CA Agreement,	-
		Ute Mountain		

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

Item 20 above).

Operator certification.

Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Name (Printed/Typed) Catherine Smith Title

5/5/05

Date

Approved by (Signature)

Agent for Burlington Resources, Huntington Energy, L.L.C.

APPROVED FOR A PERIOD NOT TO EXCLED I YEAR.

Name (Printed/Typed)

/s/ Brian W. Title

Fight Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person kno willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jumps

\*(Instructions on reverse)

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject lease which are committed hereto ...





DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

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 June 10, 2003

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

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

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> APl Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	
30-045~	3 3303	71599	Basin Dakot	a ·
Property Code			<sup>5</sup> Property Name	<sup>6</sup> Well Number
183/2680-		74		
OGRID No.		<sup>e</sup> Elevation		
14538	BURLINGTON RESOURCES OIL & GAS COMPANY LP			6330
	·	40		

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Α	22	32-N	14-W		990	NORTH	1290	EAST	SAN JUAN

<sup>11</sup> 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
12 Dedicated Acre	s		<sup>15</sup> Joint or	Infill	<sup>14</sup> Consolidation C	ode	<sup>15</sup> Order No.		
160									

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

			T.	
16	QTR. CORNER FD 3 1/4" AC 1986 B.L.M.	S 89-59-51-W 2641.8'(M)	SEC. CORNER FD 3 1/4" AC 1986 B.L.M.	17 OPERATOR CERTIFICATION  I hereby certify that the information contained herein
		, oo		is true and complete to the best of my knowledge and
		<u>с</u>		belief.
			0.7 Mar.	Du - Sin
	LAT: 36.9 LONG: 108.29	798" N (NAD 27) 118" W (NAD 27)	1290'	Signature Smith
			M (1	Catherine Smith
			-31 (W)	Printed Name
			) – 01 39.8.	Agent for Burlington Res.
			S 00.	4/30/05
				Date
	<del> </del>	2 <del></del>	<del></del>	<i>,</i>
			QTR. CORNER FD 3 1/4" AQ	18 SURVEYOR CERTIFICATION
		ÿ.	1986 B.L.M	I hereby certify that the well location shown on this pla
			4/	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 test of my belief.
				A VUKONO
		Men.	¥ 8	Date & El ME C
			74	Signature and Seal of trees one dirveyor:
				2
				PROFESSION NO.
	7.27	© (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	X.	PROFE489
		PALLYPA ROMES AVE	THE STATE OF THE S	Certificate Number

#### **OPERATIONS PLAN**

Well Name:

Ute Mountain Ute #74

Location:

990' FNL, 1290' FEL, NENE Sec 22, T-32-N, R-14-W NMPM

San Juan Co., New Mexico

Formation:

Wildcat Dakota

Elevation:

6330' GR

Formation Tops:	Top	<b>Bottom</b>	Contents
Mesaverde	Surface	560'	
Mancos	560'	1590'	
Gallup (Niobrara)	1590'	2335'	oil
Greenhorn	2335'	2390'	
Graneros	2390'	2460'	
Dakota	2460'	2880'	gas
Morrison	2880'	3100'	gas
TD	3100'		_

### **Logging Program:**

Mud log - 300' to TD

Open hole logs - DIL/SFL/GR/SP/ML - TD to surface casing

Cased hole logs-CBL/GR-TD to surface

Cores & DST's - none

## **Mud Program:**

Interval	<u>Type</u>	Weight	<u>Vis.</u>	Fluid Loss
0 - 300	Spud	8.4-9.0	40-50	no control
0 - 3100'	LSND	8.4-9.0	40-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

#### Casing Program (as listed, the equivalent, or better):

Casing	Tiogram (as i	istou, the equivalent, or	Detter J.		
	Hole Size	Depth Interval	Csg. Size	<u>Wt.</u>	<u>Grade</u>
	11"	0-300'	7 5/8"	29.7#	P-110
	6 1/4"	0-3100'	4 ½"	10.5#	J-55
Tubing	Program:	0-3100'	2 3/8"	4.7#	J-55

## **BOP Specifications, Wellhead and Tests:**

#### Surface to TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

#### **Completion Operations:**

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

#### Float Equipment:

7 5/8" surface casing – saw tooth guide shoe.

Centralizers will be run in accordance with Onshore Order #2.

4 ½" intermediate casing — guide shoe and self-fill float collar. Standard centralizers run every other joint above shoe. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

#### Wellhead:

7 5/8" x 4 ½" x 2 3/8" x 2000 psi tree assembly.

#### General:

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drilling crew.
- All BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

## **Cementing:**

7 5/8" surface casing -

Cement to surface w/174 sx Class A, B Portland Type I, II cement (244 cu. ft. of slurry). WOC 8 hours before pressure testing or drilling out from under surface casing.

4 1/2" production Casing -

Lead with 377 sx Premium Lite w/3% calcium chloride, 5pps LCM-1, and ¼#/sack flocele, 0.4% FL-52, & 0.4% SMS. Tail w/90 sx Type III cement w/1% calcium chloride, ¼#/sack flocele and 0.2% FL-52 (928 cu. ft., 50% excess to circulate to surface.)

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

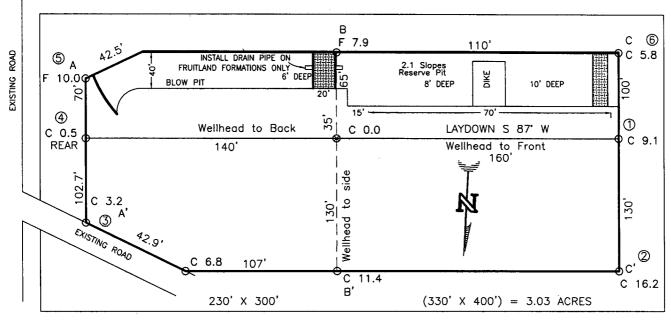
Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

• If hole conditions permit, an adequate water space will be pumped ahead of each cement job to prevent cement/mud contamination or cement hydration.

## **Additional Information:**

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressure for the Dakota is 750 psi.
- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation
  is encountered.
- The northeast quarter of Section 22 is dedicated to this well. This gas is dedicated.

HUNTINGTON ENERGY, LLC / BURLINGTON RESOURCES OIL & GAS COMPANY LP UTE MOUNTAIN UTE NO. 74, 990 FNL 1290 FEL SECTION 22, T-32-N, R-14-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 6330, DATE: FEBRUARY 15, 2005



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. C/L ELEV. A-A 6340 6330 6320 6310 C/L ELEV. B-B 6340 6330 6320 Services NM 87401 6310 ELEV. C-C C/I 15068 • Farmington, P 326-1772 • Fax (505) Field 6340 and Oil 6330 Daggett Surveying . (505) 6320 6310 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.

Minimum BOP installation for all Completion-Workover Operations, 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind a pipe rams. A stripping head to be installed on the top RECEIPT SHALL BY BELLING FOR Completion/Workover Rig the BOP. All BOP equipment is 2000 pai wo BOP Configuration 2,000 psi System BC NO MOTION . 10 P.E Choke manifold installation from Surface Casing Point to Total Depth. 2,000psl working pressure Drilling Rig Choke Manifold Configuration 2000 psi System Figure #3 equipment with two chokes. ADJUSTABLE OR POSITIVE CHOICE ADJUSTABLE ON POSITIVE -1 FROM DARLENG SPOOL 4-20-01 PLOW NIPPLEALOOKE LINE BOP Installation from Surface Casing Point to Total Depth. 11" Bors 10" Nomina, 2000 pai working pressure double gate BDP to be equipped with blind main and pipe rams. A 500 pai rotating head on tramp preventers. All BOP equipment to 2,000 pai working pressure amproventers. All BOP equipment to 2,000 pai working pressure. CHOKE WANFOLD 2000 psl System Drilling Rig BLNO PIPE GROUND LEVEL Ā RIO FLDOR DOUBLE DATE T FILLUP LINE · NOTATING HEAD:

I Markman Une

pressure or greater excluding 500 psl stripping head. Figure #2

4-20-01

Figure #1