

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. OIL CONS. COMMISSION
P. O. BOX 1280
HOBBS, NEW MEXICO 88240
SUBMIT IN TRIPL
Other instructions on
Form 3160

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Burlington Resources Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 51810 Midland, TX 79710-1810

915-688-6943

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2039' FNL & 1980' FWL

At proposed prod. zone

Unit F

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

30.8 miles north/northeast of Jal. New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1980'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3720'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	850'	365 SXS
8 3/4"	7"	23#	4650'	800 SXS
6 1/8"	4 1/2"	11.6#	9100'	650 SXS

OPER. OGRID NO. 26485

PROPERTY NO. _____

POOL CODE 51689

EFF. DATE 6/16/97

API NO. 30-025-34022

Not in Designated Potash Area

Not in Prairie Chicken Area

Not in Hydrogen Sulfide Area

Notice of Staking Submitted on May 5, 1997

Contact Person: Donna Williams, 915-688-6943


APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

RECEIVED
1997 MAY 23 P 10:40
BUREAU OF LAND MGMT.
NEWELL OFFICE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE Regulatory Compliance

DATE 5/22/97

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

(ORIG. SIGNATURE) FERGUSON

TITLE

ADM. MINERALS

DATE

6-10-97

*See Instructions On Reverse Side

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 representations as to any matter within its jurisdiction.

P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Reg. Minerals, and Natural Resources Department

Form L-142
Revised 02-10-84

Instructions on back

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT II

P. O. Drawer DD
Artesia, NM 88211-0710

DISTRICT III

1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV

P. O. Box 2088
Santa Fe, NM 87507-2088

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 APT Number 30-025-34022		2 Pool Code 51689/51683		3 Pool Name West Red Tank Delaware/Red Tank Bone Spring			
4 Property Code 19964		5 Property Name JACKALOPE 24 FEDERAL				6 Well Number 3	
7 OGRID No. 26485		8 Operator Name BURLINGTON RESOURCES OIL & GAS CO.				9 Elevation 3714'	

*** SURFACE LOCATION**

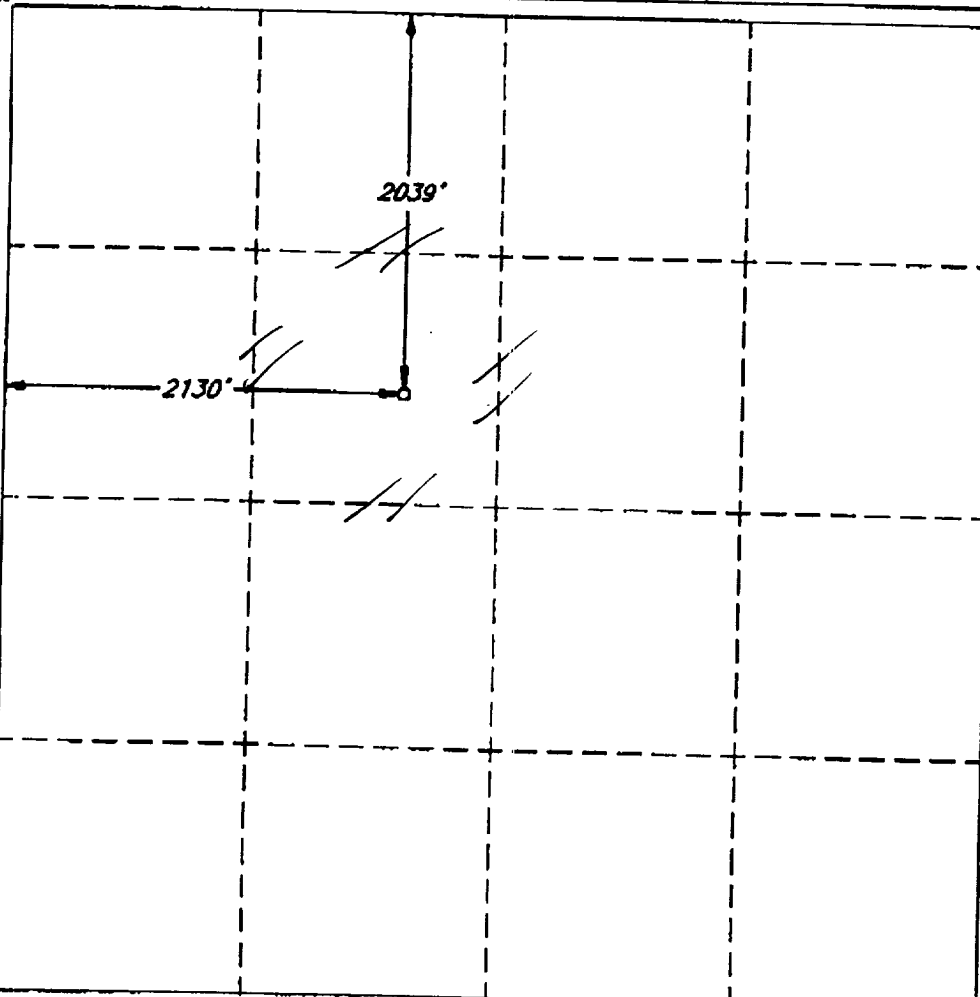
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	24	22 SOUTH	32 EAST, N.M.P.M.		2039'	NORTH	2130'	WEST	LEA

" 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 Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

**OPERATOR CERTIFICATION**

I hereby certify that the information
contained herein is true and complete
to the best of my knowledge and belief.

Signature
Donna Williams

Printed Name
Regulatory Compliance

Title
6/10/97

Date

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
MAY 20, 1997

Signature
V. LYNN BEZNER

Professional Surveyor

STATE OF NEW MEXICO

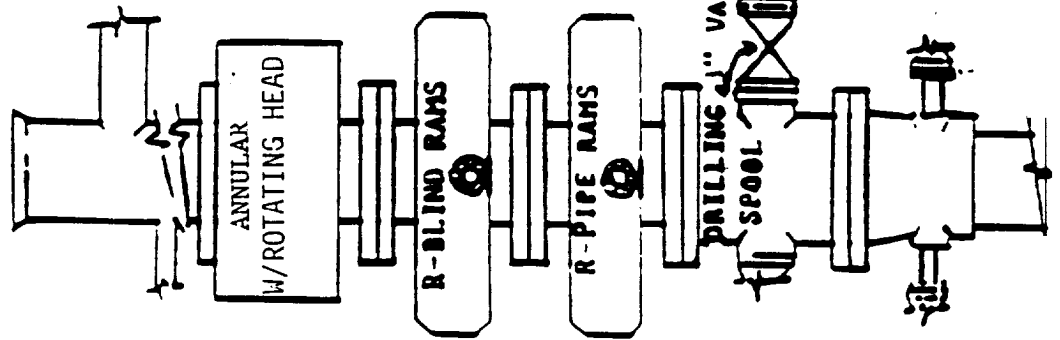
V. LYNN BEZNER

NO. 7920

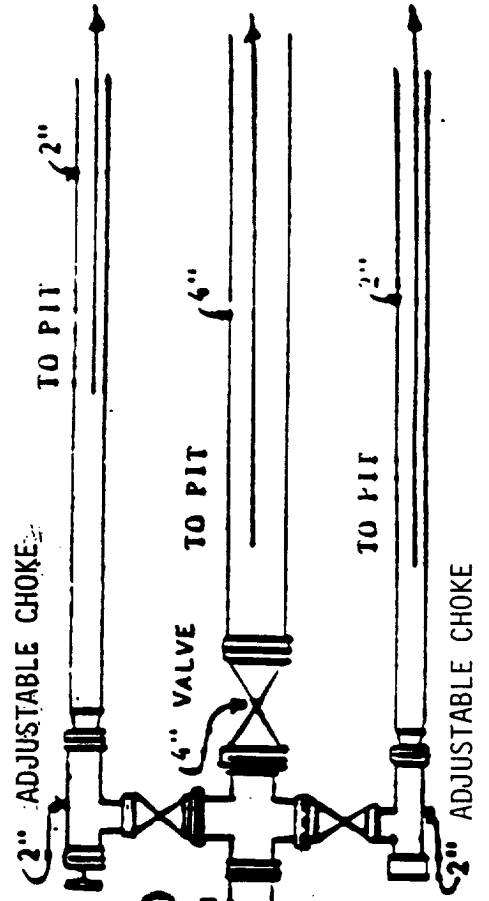
V. L. BEZNER LAND SURV. #7920

JOB # 51689-747 NW / JSJ

DOUBLE RAM



BLOW OUT PREVENTION EQUIPMENT
10" 900s ALL FLANGED CONNECTIONS
3000# WORKING PRESSURE



OPERATORS NAME:	Burlington Resources Oil & Gas Company
LEASE NAME AND WELL NO.:	Jackalope '24' Federal Well No. 3
LOCATION:	2039' FNL & 1980' FWL, Sec. 24, T22S, R32E
FIELD NAME:	West Red Tank Delaware/Red Tank Bone Spring
COUNTY:	Lea County, New Mexico
LEASE NUMBER:	NM 87268

The following information is to supplement BLM form 3160-3 Application for permit to drill in accordance with Onshore Oil and Gas Order No. 1:

9 - POINT DRILLING PLAN

1. Name and estimated tops of important geologic formation/marker horizons.

<u>FORMATION</u>	<u>DEPTH</u>
Rustler	970'
Delaware	4850'
Bone Spring	8730'

2. Estimated depths at which the top and bottom of formations potentially containing usable water, oil, gas, or prospectively valuable deposits of other minerals are expected to be encountered and the operator's plans for protecting such resources.

Delaware	4850'
Bone Spring	8730'

3. The operator's minimum specifications for Blowout Preventer (BOP) and related equipment to be used and schematic diagrams thereof showing sizes, pressure ratings, and the testing procedures and testing frequency. BOP and BOP - related equipment (BOPE) schematics shall include schematics of choke manifold equipment. Accumulator systems and remote controls shall be utilized.

11" 3M BOP stack to be installed on the 9 5/8" & 7" csg. The BOP stack will consist of one blind ram BOP, one pipe ram BOP and a rotating head. Tested to 3000 psi before drilling the 7" casing shoe.

4. The proposed casing program including size, grade, weights, type of thread and coupling, and the setting depth of each string and its condition (new or acceptably reconditioned). For exploratory wells, or for wells as otherwise specified by the authorized officer, the operator shall include the minimum design factors for tensions, burst, and collapse that are incorporated into the casing design. In cases where tapered casing strings are utilized, the operator shall also include and/or setting depths of each portion.

CASING:

12 1/4" hole, 9 5/8" K-55 36# csg, set @ 850'

8 3/4" hole, 7" K-55 23# csg, set @ 4650'

6 1/8" hole, 4 1/2" K-55 11.6# csg, set @ 9100'

5. The amount and type(s) of cement, including anticipated additives to be used in setting each casing string, shall be described. If stage cementing techniques are to be employed, the setting depth of the stage collars and amount and type of cement, including additives, and preflush amounts to be used in each stage, shall be given. The expected linear fill-up of each cemented string, or each stage when utilizing stage-cementing techniques, shall also be given.

- a. 9 5/8" csg: Cmt w/165 sxs Class 'C' + 4% gel + 2% CaCl₂ + 1/4 pps flocele, tail w/200 sxs Class 'C' + 2% CaCl₂ + 1/4 pps flocele. Circ. to surface.
- b. 7" csg: Cmt w/600 sxs Class 'C' + 9 pps salt + 5 pps gilsonite + 1 pps econolite + 1/4 pps flocele, tail w/200 sxs 'C' + 2% CaCl₂. Circ. to surface
- c. 4 1/2" csg: Cmt w/650 sxs 'C' + 50 pps Pozmix A + .60% Halad-9 + 2% Bentonite + 2 pps Kcl. Estimated TOC @ 4275'.

6. The anticipated characteristics, additives, use, and testing of drilling mud to be employed, along with the types and quantities of mud products to be maintained, shall be given. When air or gas drilling is proposed, the operator shall submit the following specific information:

Mud Program:

0-850' Fresh water, gel and lime system, MW 8.6-9.0

0850'-4650' brine, MW, 10.0-10.1 ppg

4650'-9100' Fresh water, MW 8.3-8.5

7. The anticipated testing, logging, and coring procedures to be used, including drill stem testing procedures, equipment, and safety measures.

a. DST Program: None

b. Core: None

c. Mud Logging: One man unit 4650' to TD

d. Logs to be run: DIL/GR/Density/Neutron/Sonic/Gamma Ray

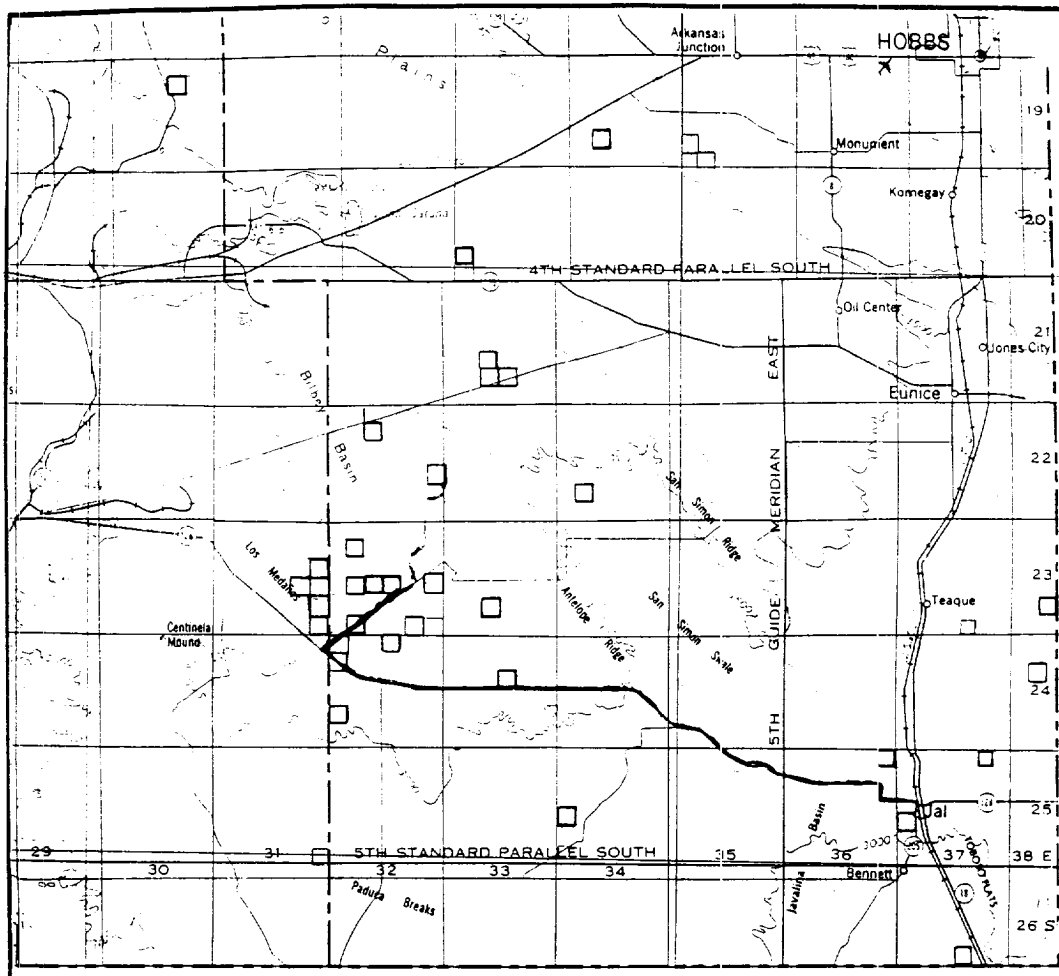
8. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter hydrogen sulfide exist, the mitigation procedures shall comply with the provisions of Onshore Oil and Gas Order No. 6.

Bottom hole pressures at TD expected to be 4300 psi. Bottom hole temperature 140 F. There is no anticipated Hydrogen Sulfide in this known drilling area. No abnormal pressures are anticipated.

9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

Anticipated drilling time expected to be 18 days to TD.

VICINITY MAP



SECTION 24 TWP 22-S RGE 32-E
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN
 COUNTY LEA STATE NM
 DESCRIPTION 2039' FNL & 1980' FWL

OPERATOR BURLINGTON RES. OIL & GAS CO.
 LEASE JACKALOPE 24 FEDERAL #3

DISTANCE & DIRECTION FROM THE JCT. OF S.H. 31 &
S.H. 128, GO SOUTHEAST 19.0 MILES ON S.H. 128,
THENCE NORTHEAST 4.5 MILES ON LEASE ROAD, THENCE
NORTHWEST 1.5 MILES ON LEASE ROAD, THENCE NORTH-
EAST & NORTH 3.2 MILES ON LEASE ROAD, THENCE
EAST 1.5 MILES ON LEASE ROAD, THENCE NORTH 1.1
MILES ON LEASE ROAD TO THE SOUTHEAST CORNER OF
THE SECTION.

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.
 Review this plat and notify us immediately of any possible discrepancy.

TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

1307 N. HOBART
 PAMPA, TX. 79065
 (800) 658-6382

6709 N. CLASSEN BLVD.
 OKLAHOMA CITY, OK. 73116
 (800) 654-3219

2903 N. BIG SPRING
 MIDLAND, TX. 79705
 (800) 767-1653