

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
P.O. Box 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

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 (Footage, Sec., T., R., M., or Survey Description)
1980' FNL & 1980' FEL
Sec. 24, T22S, R32E

5. Lease Designation and Serial No.

NM 87268

6. If Indian, Allottee or Tribe Name

7. If Unit or C/A, Agreement Designation

8. Well Name and No.
Jackalope '24' No. 1
Federal

9. API Well No.

Unassigned

10. Field and Pool, or exploratory Area
West Red Tank Delaware
Red Tank Bone Spring

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☒ Other Changes Name/Csg.
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Burlington Resources Oil & Gas Company (formerly Meridian Oil Inc.) respectfully requests that the above referenced well name be changed to the Jackalope '24' Federal well no. 1.

This

location was previously permitted as the Checkerboard 24 Federal well no. 3. In June of 1996, Meridian requested that the name be changed to the Jackalope 24 Federal well no. 3. The drilling permits for the Checkerboard 24 Federal well no. 1 & 2 will be expiring in January of 1997. We will not be able to drill those locations under the current permits. Therefore, we request to renumber the Jackalope well from the # 3 to the # 1.

It is also requested to change the permitted csg and cementing program to the attached revised drilling plan.

OPER. CONTROL NO. 26485

PROPERTY NO. 19964

POOL CODE 51683

EXP. DATE 11/14/96

API NO. 30-025-32878

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Regulatory Compliance Date 10/24/96

(This space for Federal or State office use)

Approved (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date 11/6/96

Conditions of approval, if any:

OPERATORS NAME:	Burlington Resources Oil & Gas Company
LEASE NAME AND WELL NO.:	Jackalope '24' Federal Well No. 1
LOCATION:	1980' FNL & 1980' FEL, Sec. 24, T22S, R32E
FIELD NAME:	W. Red Tank Delaware/Red Tank Bone Spring
COUNTY:	Lea County, NM
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'
T. Salt/B. Salt	1100'-4500'
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" casing strings. 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.

EXISTING CASING:

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

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

6 1/8" hole, 4 1/2" K-55 11.6# LTC 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'd w/200 sxs 'C' + 4% gel + 2% CaCl₂, tail w/ 200 sxs 'C' + 2% CaCl₂. Circ to surface
- b. 7 " csg: Cmt'd w/600 sxs 'C' Lite, tail w/200 sxs 'C' + 2% CaCl₂.

- c. 4 1/2" csg: Cmt w/130 sxs 'C' + 3% econolite + .5 pps flocele, tail w/ 370 sxs 'H' 50/50 Poz + .6% Halad-9 + 2% gel + 3 pps Kcl + .25% flocele. TOC @ +/-4400'.

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
850'-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: Two man unit 4650' to TD
- d. Logs to be run: DIL/GR/Density/Neutron/Sonic/Gamma Ray

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.

No abnormal pressures are anticipated. 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

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.

OPERATORS CERTIFICATION

I hereby certify that I, **Tim Friesenhahn, Drilling Engineer**, under my direct supervision, have inspected the proposed drill site and access route that I am familiar with the conditions that currently exist; that the statements made in the APD package are, to the best of my knowledge, true and correct, and that the work associated with operations proposed herein will be performed by **not yet determined** contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under BLM **statewide** bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

DATE: 10/24/96

NAME AND TITLE: Tim Friesenhahn, Drilling Engineer

SIGNATURE:

