

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instructions on
reverse side)

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

1b. 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

330' FNL & 1712' FEL

At proposed prod. zone

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

31 miles northwest of Jal, NM

13. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1200'

19. PROPOSED DEPTH

9100'

20. ROTARY OR CABLE TOOLS

Rotary

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

3689

22. APPROX. DATE WORK WILL START*

Upon Approval

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" H-40	36#	850'	850 SXS
8 3/4"	7" K-55	23#	4650'	1550 SXS
6 1/8"	4 1/2" K-55	11.6#	9100'	500 SXS

Not in Potash Area
Not in Prairie Chicken Area
No Hydrogen Sulfide anticipated

Notice of Staking submitted on 4/7/97.

Contact Person: Donna Williams
915-688-6943

CARLSBAD CONTROLLED WATER BASIN

OPER. GUID NO. 26485

PROPERTY NO. 20925

POOL CODE 90603

EFF. DATE 4/19/97

API NO. 30-1225-34D30

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

acc
5/29/97

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 [Signature] TITLE Regulatory Compliance

DATE 4/24/97

(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. SGD.) ARMANDO A. LOPEZ

TITLE REG. COMPL. MINERALS

DATE 5/29/97

*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.

4
JUN 1997
Received
4-6-97
200

Certificate No.
 ROGER M. ROBBINS P.S. #12128
 JOB #51082-2 / 47 SW / V.H.B.

OPERATORS NAME:	Burlington Resources Oil & Gas Company
LEASE NAME AND WELL NO.:	Red Ruby '35' Federal Well No. 2
LOCATION:	330' FNL & 1712' FEL, Sec. 35, T23S, R32E
FIELD NAME:	Triste Draw Delaware/Triste Draw Bone Spring
COUNTY:	Lea County, New Mexico
LEASE NUMBER:	NM 89055

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	1200'
Delaware	4850'
Bone Spring	8865'

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	8865'

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 7" csg. The BOP stack will consist of one blind ram BOP, one pipe ram BOP and a rotating head. Tested to 1500 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" H-40 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/650 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/1100 sxs Class 'C' + 9 pps salt + 5 pps gilsonite + 1 pps econolite + 1/4 pps flocele, tail w/450 sxs 'C' + 2% CaCl₂. Circ. to surface
- c. 4 1/2" csg: Cmt w/300 sxs 'C' + 3% econolite + .5 pps flocele, tail w/200 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

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 4600' to TD

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

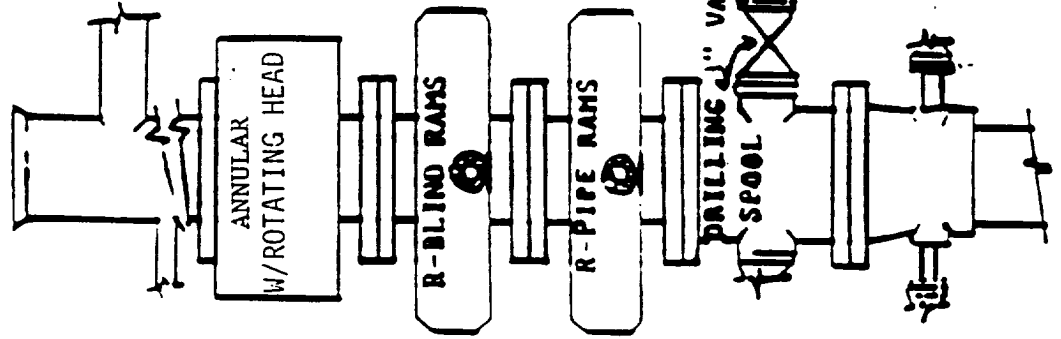
8. The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter 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.

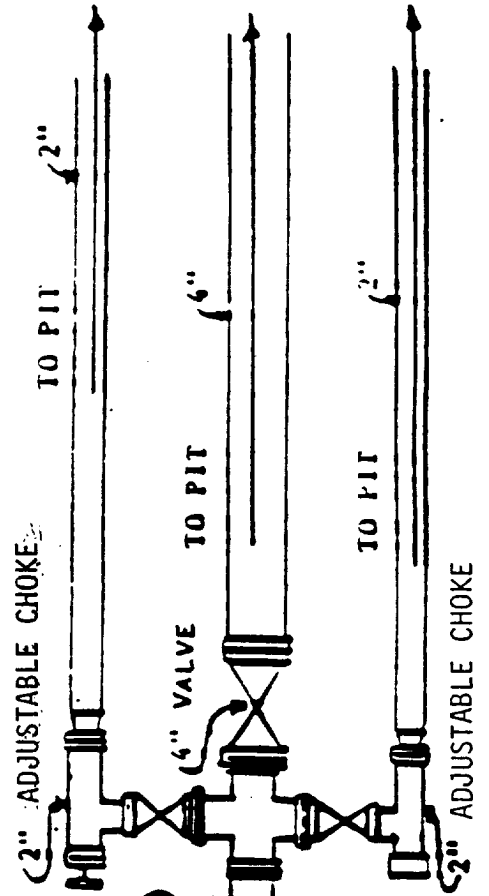
9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

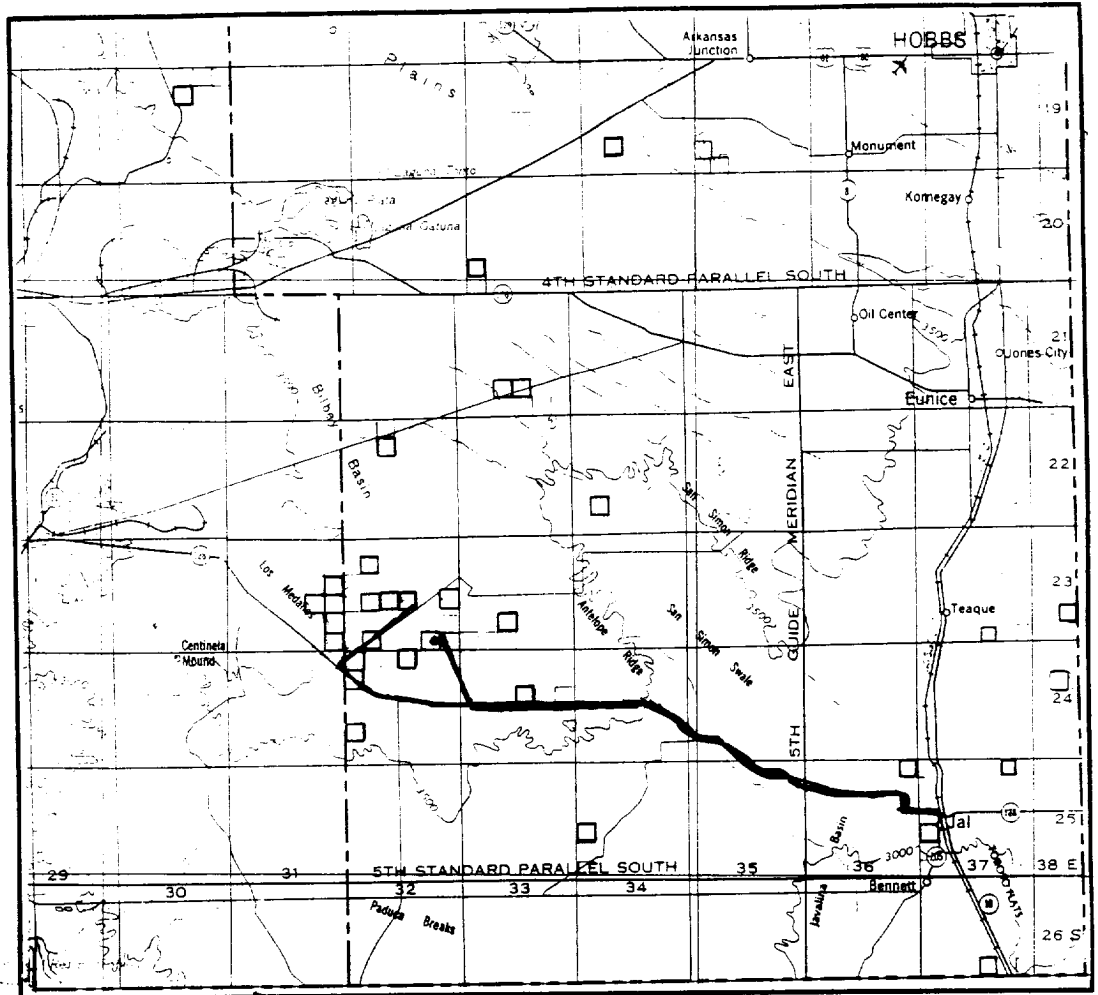
Anticipated drilling time expected to be 18 days to TD.

DOUBLE RAM



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





SECTION 35 TWP 23-S RGE 32-E
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN
 COUNTY LEA STATE NM
 DESCRIPTION 330' FNL & 1712' EL

OPERATOR BURLINGTON RESOURCES OIL & GAS CO.
 LEASE RED RUBY "35" FEDERAL #2

DISTANCE & DIRECTION FROM THE JCT. OF STATE HWY.
18 & STATE HWY. 128 IN JAL, GO WESTERLY ±26 MILES
STATE HWY. 128, THENCE NORTHWESTERLY 4.8 MILES ON
CALICHE ROAD, THENCE WESTERLY 0.6 MILE ON LEASE
ROAD, THENCE NORTHERLY 330' TO A POINT ±320' WEST
OF THE LOCATION.

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 plot 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