

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

2341' FNL & 1697' FEL

At proposed prod. zone

2260' FSL & 1850' FEL

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

7 miles southeast of Jal, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1697'

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

N/A

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

19. PROPOSED DEPTH

7000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3059'

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"	8 5/8" K-55	28#	800'	425 GALLONS
6 1/8"	4 1/2" K-55	11.6#	7000'	600 GALLONS

Not in Designated Potash Area  
Not in Hydrogen Sulfide Area

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

NOTICE OF STAKING SUBMITTED ON 5/5/97.

ARCHEOLOGICAL REPORT SUBMITTED VIA FAX ON 6/2/97

Directional wellbore due to surface restrictions

Contact Person: Donna Williams, 915-688-6943

OPER. OGRID NO. 26485

PROPERTY NO. 21125

POOL CODE 34170

EFF. DATE 7/29/97

API NO. 30-025-34071

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 6/16/97

(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

TITLE

ADM, MINERALS

DATE

7/17/97

\*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.

RECEIVED

1997 JUN 18 A 9:31

BUREAU OF LAND MANAGEMENT  
ROSWELL OFFICE

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

State of New Mexico  
Energy, Minerals, and Natural Resources Department

Form O-102  
Revised 02-10-94

Instructions on back

DISTRICT II  
P. O. Drawer DD  
Artesia, NM 88211-0719

## OIL CONSERVATION DIVISION

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

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

☐ AMENDED REPORT

DISTRICT III  
1000 Rio Brazos Rd.  
Aztec, NM 87410

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name Justis Abo			
4 Property Code		5 Property Name JUSTICE 25 FEDERAL				6 Well Number 1	
7 OGRID No. 26485		8 Operator Name BURLINGTON RESOURCES OIL & GAS CO.				9 Elevation 3059'	

#### 10 SURFACE LOCATION

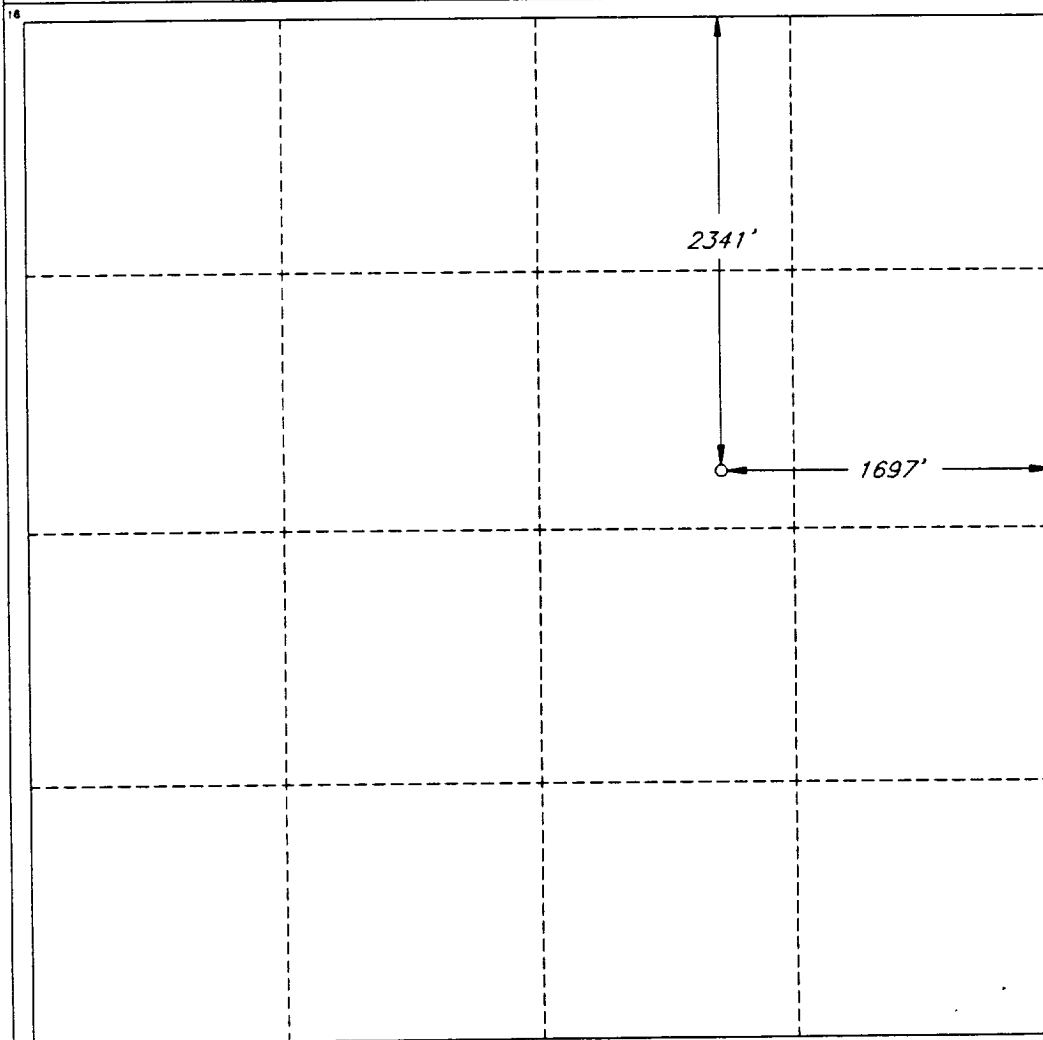
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	25	25 SOUTH	37 EAST, N.M.P.M.		2341'	NORTH	1697'	EAST	LEA

#### 11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	25	25S	37E		2260'	South	1850'	East	Lea

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  
6/16/97

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 6, 1997

Signature and Seal of  
Professional Surveyor

REGISTERED PROFESSIONAL SURVEYOR  
12123

Certificate No.  
ROGER M. ROBBINS P.S. #12128

JOB #51659 / 20 SE / JSJ

## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Roswell Resource Area  
P.O. Drawer 1857  
Roswell, New Mexico 88202-1857

## Statement Accepting Responsibility for Operations

Operator name: Burlington Resources Oil and Gas Company  
Street or box: P.O. Box 51810  
City, State : Midland, Texas  
Zip code, : 79710-1810

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NM 0766

Legal Description of land: Sec. 25, T25S, R37E, Lea County, New Mexico

Formation(s) (if applicable): Abo

Bond Coverage:(State if individually bonded or another's bond)  
Nationwide

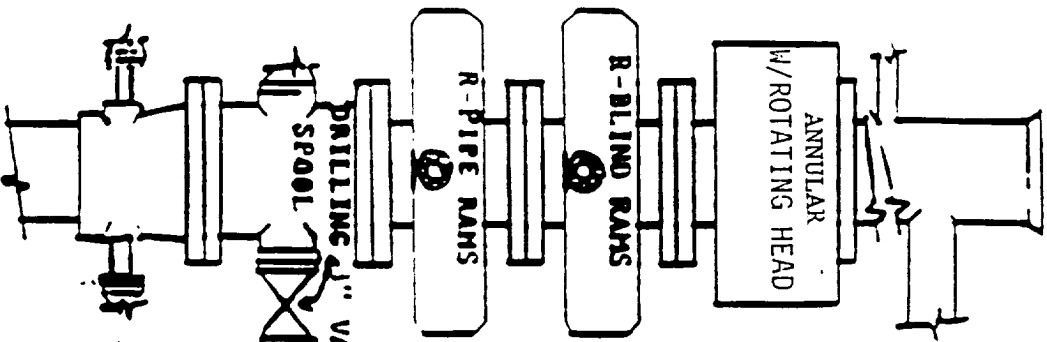
BLM Bond File No.: MT0719

Authorized Signature: 

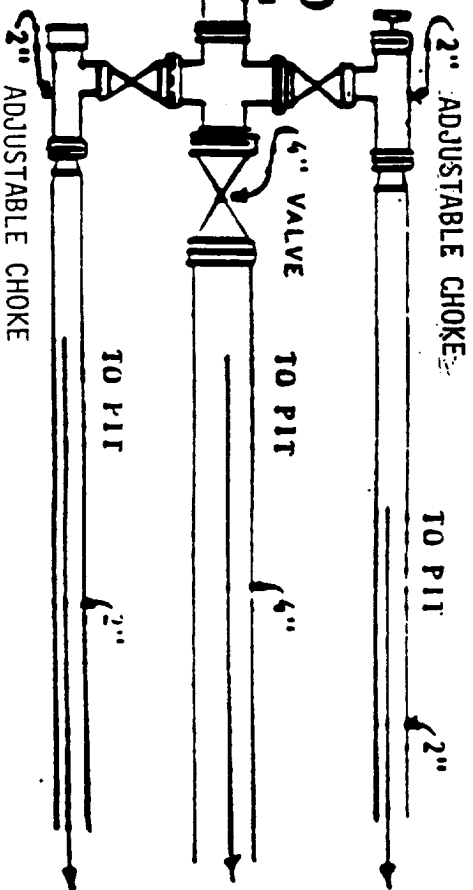
Title: West Area Landman

Date: 6/16/97

# DOUBLE RAM



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



<b>OPERATORS NAME:</b>	<u>Burlington Resources Oil &amp; Gas Company</u>
<b>LEASE NAME AND WELL NO.:</b>	<u>Justis '25' Federal Well No. 1</u>
<b>LOCATION:</b>	<u>2341' FNL &amp; 1697' FEL, Sec. 25, T25S, R37E</u>
<b>FIELD NAME:</b>	<u>Justis Abo</u>
<b>COUNTY:</b>	<u>Lea County, New Mexico</u>
<b>LEASE NUMBER:</b>	<u>NM 0766</u>

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	910'
Seven Rivers	2520'
Glorieta	4600'
Paddock	4855'
Blinebry	5100'
Abo	6072'
Lower Abo	6567'

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.

Abo	6072'
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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 8 5/8" 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 8 5/8" 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, 8 5/8" K-55 28# csg, set @ 800'

6 1/8" hole, 4 1/2" K-55 11.6# csg, set @ 7000'

This well is planned directional due to surface restrictions. Downhole motors and MWD will be utilized to build angle at 3 /100' up a maximum of 15 . KOP @ 3230', horizontal displacement is 694' at the top of the Abo and 862' @ TD, azimuth 192.7 . Total depth is 6811', and 6771' MD, 6700' TVD.

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. 8 5/8" csg: Cmt w/225 sxs Class 'C' + 4% gel + 2% CaCl<sub>2</sub> + 1/4 pps flocele, tail w/200 sxs Class 'C' + 2% CaCl<sub>2</sub> + 1/4 pps flocele. Circ. to surface.
- b. 4 1/2" csg: Two Stages-Cmt w/250 sxs Class 'H' + .5% CF-2 + 5% Salt. 2nd Stage: Lead w/1660 sxs 'C' Lite + 6% salt, tail w/150 sxs 'C' neat. Circ. to surface.

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:

0-800' Fresh water, gel and lime system, MW 8.6-9.0

800'-7000' brine, MW, 10.0-10.1 ppg

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 6000' to TD

d. Logs to be run: CNL/LDT, DLL/MSFL, GR,CAL

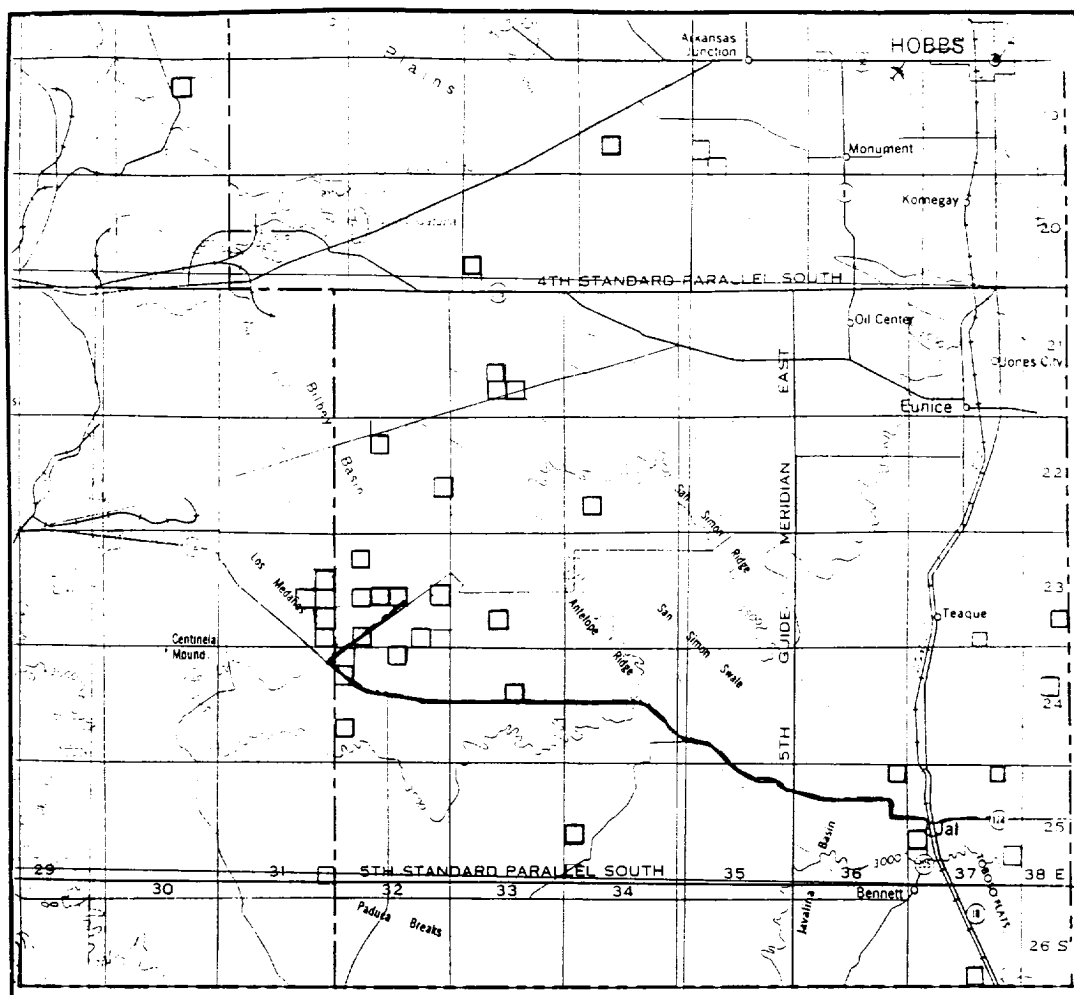
The expected bottom-hole pressure and any anticipated abnormal pressures, temperatures or potential hazards that are expected to be encountered, such as lost circulation zones and hydrogen sulfide. The operator's plans for mitigating such hazards shall be discussed. Should the potential to encounter 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 2600 psi. Bottom hole temperature 175 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 25 TWP 25-S RGE 37-E  
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN  
 COUNTY LEA STATE NM  
 DESCRIPTION 1661' FSL & 2219' FWL

OPERATOR BURLINGTON RES. OIL & GAS CO.  
 LEASE JUSTICE 25 FEDERAL #2

DISTANCE & DIRECTION FROM THE JCT. OF S.H. 128 &  
S.H. 18 IN JAL, NO EAST 5.2 MILES ON S.H. 128, THENCE  
SOUTH 2.6 MILES ON LEASE ROAD, THENCE EAST 0.1  
MILE ON LEASE ROAD TO A POINT ±500' NORTH 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