

Drilling Department
BURLINGTON RESOURCES
Mid-Continent Division

3300 North "A" St., Bldg 6
Midland, TX 79705

Burlington Resources main office phone
number: (915) 688-6800

FAX

Date 7/21
of pgs sheet including cover 7

TO: Mike Stagner
OCD

FROM: Donna
Burlington Resources

Phone: _____

Phone: _____

Fax: 305-827-1389

Fax: 915-688-6007

CC: _____

URGENT

For Your Review

Reply ASAP

Please Comment

MESSAGE:

For your review!

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
NM77058

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Red Tank Federal # 3

9. API Well No.
30-025-32507

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

11. County or Parish, State
Lea NM

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)
**Sec. 14, T22S, R32E
330' FSL & 990' FWL**

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

| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other Sidetrack wellbore |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

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

13. Describe Proposed or Completed Operations if newly done all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is discontinu-ly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.*

Burlington Resources Oil and Gas Company respectfully request approval to cut a window in the existing wellbore and sidetrack with a lateral hole to an open 18 zone production well that is north of this well. Please see attached drilling plan. No surface use plan is required as work will utilize existing wellpad.

Contact Person: Donna Williams, 915-688-6943

Signed:  Title: **Regulatory Compliance** DATE: **7/17/97**

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

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.

* See instruction on Reverse Side

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
WELLS IN SUPPORT, STEPPER, NEW MEXICO
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|---|--|--|--|--|---------------------------------|
| ¹ API Number 30-025-32507 | | ² Pool Code 51689 | | ³ Pool Name West Red Tank Delaware | |
| ⁴ Property Code 14795 | | ⁵ Property Name Red Tank Federal | | | ⁶ Well Number |
| ⁷ OGRID No. 26485 | | ⁸ Operator Name Burlington Resources Oil & Gas Company | | | ⁹ Elevation 3748' |

¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot. Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| | 14 | 22S | 32E | | 330' | South | 990' | West | Lea |

¹¹ 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 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
| | | | |

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

240 ACRE FEDERAL LEASE & HORIZONTAL PROJECT AREA

Lease Line/Horizontal Project Area Boundary

Minimum Setback by Field Rules (330')

¹⁷ 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
7/21/97
Date

¹⁸ 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
Signature and Seal of Professional Surveyer:
Certificate Number

| | |
|---------------------------------|---|
| OPERATORS NAME: | Burlington Resources Oil & Gas Company |
| LEASE NAME AND WELL NO.: | Red Tank '24' Federal Well No. 3 |
| LOCATION: | 330' FSL & 990' FWL, Sec. 14, T22S, R32E |
| FIELD NAME: | West Red Tank Delaware |
| COUNTY: | Lea County, New Mexico |
| LEASE NUMBER: | NM77058 |

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 | 940' |
| Salado | 1120' |
| Castille | 4472' |
| Delaware | 4777' |
| Bone Spring | 8782' |

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 | 4777' |
|----------|-------|

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.

7 1/16" BOP flange system. Tested to 3000 psi.

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:

17 1/2" hole, 13 3/8" 48# csg, set @ 851'

17 1/4" hole, 8 5/8" 28#/32# csg, set @ 4575'

7 7/8" hole, 5 1/2" 17# csg, set @ 8892'

OPEN HOLE LATERAL:

Top of whipstock is @ 8400'. Window will be cut from 8400'-8413'. Estimated KOP @ 8427' MD. Will use BUR 65 /100'. Length of lateral is to be an estimated 2051' @ N 20 E.

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, volume 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.

EXISTING CEMENT:

- a. 13 3/8" csg: Cmted w/600 sxs 'C' + 4% gel + 2% CaCl₂, Tailed w/200 sxs 'C' + 2% CaCl₂. Circ. to surface.
- b. 8 5/8" csg: Cmted in two stages: Lead w/400 sxs 'C' Lite + 6% Bentonite + 9 pps salt + 5 pps gilsonite + 1 pps econolite + .25 pps flocele, tail w/250 sxs 'C' + 2% CaCl₂. Second Stage Lead w/675 sxs 'C' Lite + 6% Bentonite + 9 pps salt + .25 pps flocele, tailed w/200 sxs 'C' + 2% CaCl₂. Circ. to surface.

- c. 5 1/2" csg: Cmted in two stages: Lead w/500 sxs 'H' 50/50 Poz + 2% Bentonite + .6% Halad-9 + 3 pps KCL + .25 flocele. Second Stage: Led w/750 sxs 'H' Lite + .40 Halad-9, tail w/100 sxs 'H'. Ran temperature survey and TOC@ 3700'.

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:

Open hole lateral section will be drilled w/fresh water and polymer system.

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: 2 Man unit, 10' samples from KOP to TD
- d. Logs to be run: None

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 was an estimated 3250 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 time expected to be 15 days

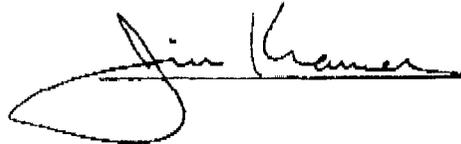
OPERATORS CERTIFICATION

I hereby certify that I, **Jim Kramer, Sr. Staff 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:

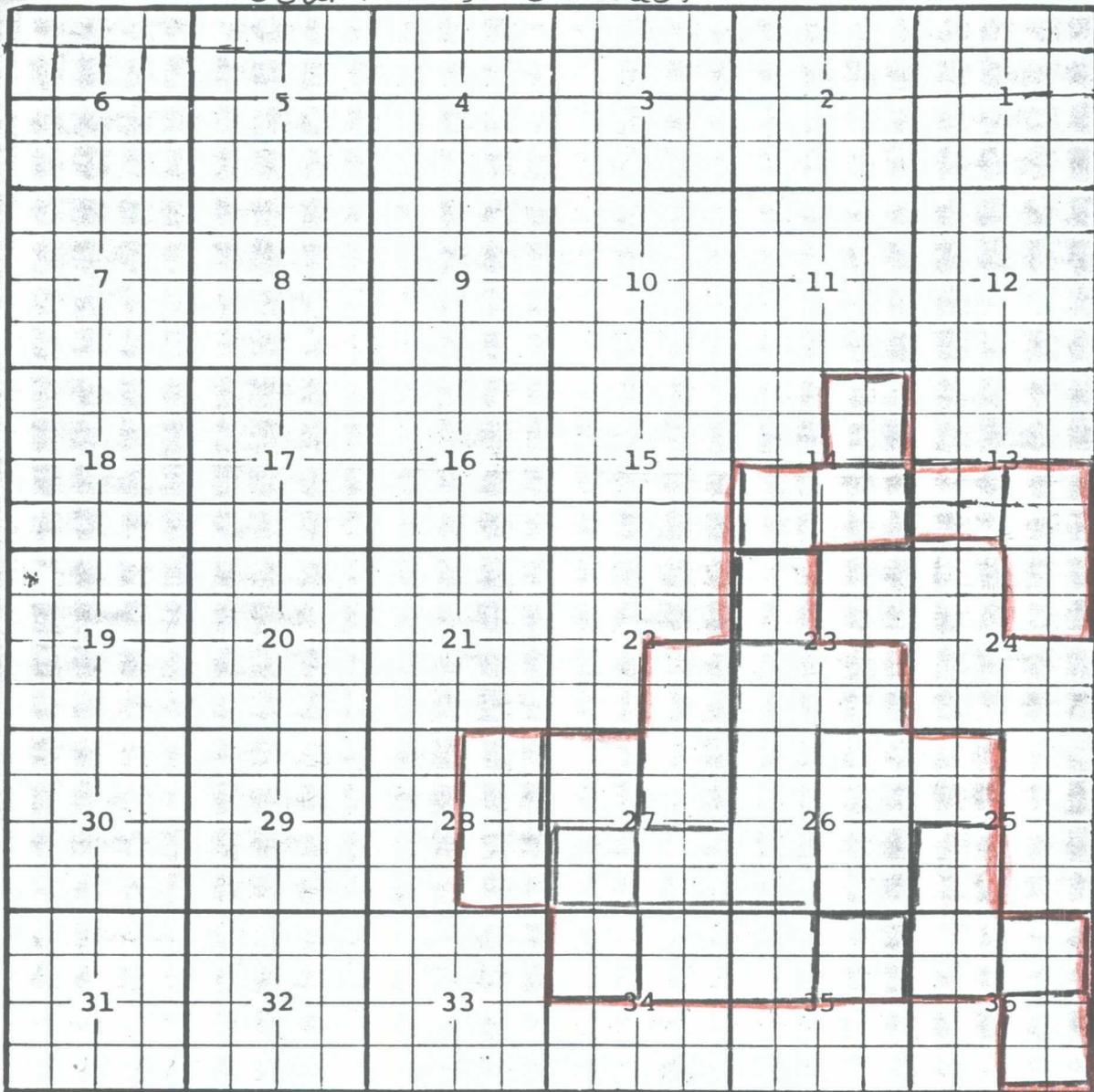
7/21/97NAME AND TITLE: Jim Kramer, Drilling Engineer

SIGNATURE:



County Lea Pool West Red Tank- Delaware

TOWNSHIP 22 South Range 32 East NMPM



Description: SW/4 Sec. 27 (R-9792, 12-3-92)

Ext: 1/2 Sec. 23, W/2 Sec. 26, SE/4 Sec. 27, E/2 Sec. 28 (R-9932, 8-17-93)

Ext: NW/4 Sec. 23 (R-10091, 3-28-94)

Ext: SW/4 Sec. 14, SE/4 Sec. 22, NE/4 Sec. 27, NE/4 Sec. 34, NW/4 Sec. 35 (R-10177, 8-30-94)

Ext: SE/4 Sec. 14, NW/4 Sec. 34 (R-10303, 1-23-95) Ext: NE/4 Sec. 14 (R-10342, 4-24-95)

Ext: NE/4 Sec. 35 (R-10419, 7-17-95) Ext: SW/4 Sec. 25, NW/4 Sec. 36 (R-10495, 10-24-95)

Ext: NW/4 Sec. 25, E/2 Sec. 26 (R-10641, 8-19-96)

Ext: SW/4 Sec. 13, NW/4 Sec. 27, NE/4 Sec. 36 (R-10776, 2-28-97)

Ext: SE/4 Sec. 36 (R-10795, 4-28-97) Ext: SE/4 Sec. 13, NE/4 Sec. 24 (R-10910, 10-31-97)

