

## OCD-HOBBS

Form 3160-3  
(April 2004)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

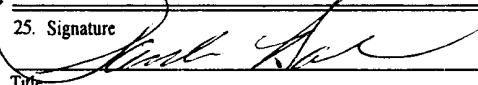
FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

|   |  |  |
|---|--|--|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER  |  | 5. Lease Serial No.<br><b>LC-032573B</b>                                   |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone |  | 6. If Indian, Allottee or Tribe Name                                       |
| 2. Name of Operator<br><b>Range Operating New Mexico, Inc.</b>  |  | 7. If Unit or CA Agreement, Name and No.                                   |
| 3a. Address <b>777 Main St., Ste. 800<br/>Fort Worth, TX 76102</b>  |  | 8. Lease Name and Well No. <b>&lt;301545&gt;<br/>Elliott B Federal #13</b> |
| 3b. Phone No. (include area code)<br><b>817-810-1916</b>  |  | 9. API Well No.<br><b>30-025-37785</b>                                     |
| 4. Location of Well (Report location clearly and in accordance with any State requirements:*)<br>At surface <b>990' FSL &amp; 330' FEL</b><br>At proposed prod. zone <b>990' FSL &amp; 330' FEL</b>         |  | 10. Field and Pool, or Exploratory<br><b>Tubby Drinkard</b>                |
| 11. Sec., T. R. M. or Blk. and Survey or Area<br><b>Sec. 6, T22S, R37E, N.M.P.M.</b>  |  | 12. County or Parish<br><b>Lea</b>   |
| 12. Distance in miles and direction from nearest town or post office*<br><b>2 miles SE from Eunice, NM</b>  |  | 13. State<br><b>TX</b>   |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)   | 16. No. of acres in lease<br><b>360</b>                    | 17. Spacing Unit dedicated to this well<br><b>40</b>                       |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  | 19. Proposed Depth<br><b>6800</b>                          | 20. BLM/BIA Bond No. on file<br><b>NM2399</b>                              |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br><b>3438'</b>   | 22. Approximate date work will start*<br><b>02/15/2006</b> | 23. Estimated duration<br><b>15</b>  |

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

|  |   |                           |
|--|---|---------------------------|
| 25. Signature<br> | Name (Printed/Typed)<br><b>Paula Hale</b> | Date<br><b>02/10/2006</b> |
| Title<br><b>Sr. Reg. Sp.</b>   |   |                           |

|   |  |                            |
|---|--|----------------------------|
| Approved by (Signature)<br><b>/s/ Tony J. Herrell</b> | Name (Printed/Typed)<br><b>/s/ Tony J. Herrell</b> | Date<br><b>APR 04 2006</b> |
| Title<br><b>FIELD MANAGER</b>                         | Office<br><b>CARLSBAD FIELD OFFICE</b>             |                            |

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, are attached.

**APPROVAL FOR 1 YEAR**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

\*(Instructions on page 2)

Witness Surface Casin 19

**CONDITIONS OF APPROVAL:** Approval for Drilling --  
CANNOT produce Downhole commingled until DHC  
is approved according to R-11363 by the OCD  
District office.

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**



United State Department of the Interior


Bureau of Land Management

ROSWELL FIELD OFFICE  
2902 West Second Street  
Roswell, New Mexico 88201

Statement Accepting Responsibility for Operations

Operator Name: Range Operating New Mexico, Inc.  
Street or Box: 777 Main Street, Suite 800  
City, State: Fort Worth, TX  
Zip Code: 76102

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.: LC-032573B  
Legal Description of Land: Sec. 6, T22S, R37E  
SE/4 SE/4  
Formations: Tubb, Drinkard  
Bond Coverage: (State, Nationwide or Individual) Statewide  
BLM Bond File No.: NM23<sup>9</sup>89 

Authorized Signature: \_\_\_\_\_

Title: Petroleum Engineer

Date: 2-10-06

## NOTICE TO SURFACE OWNER

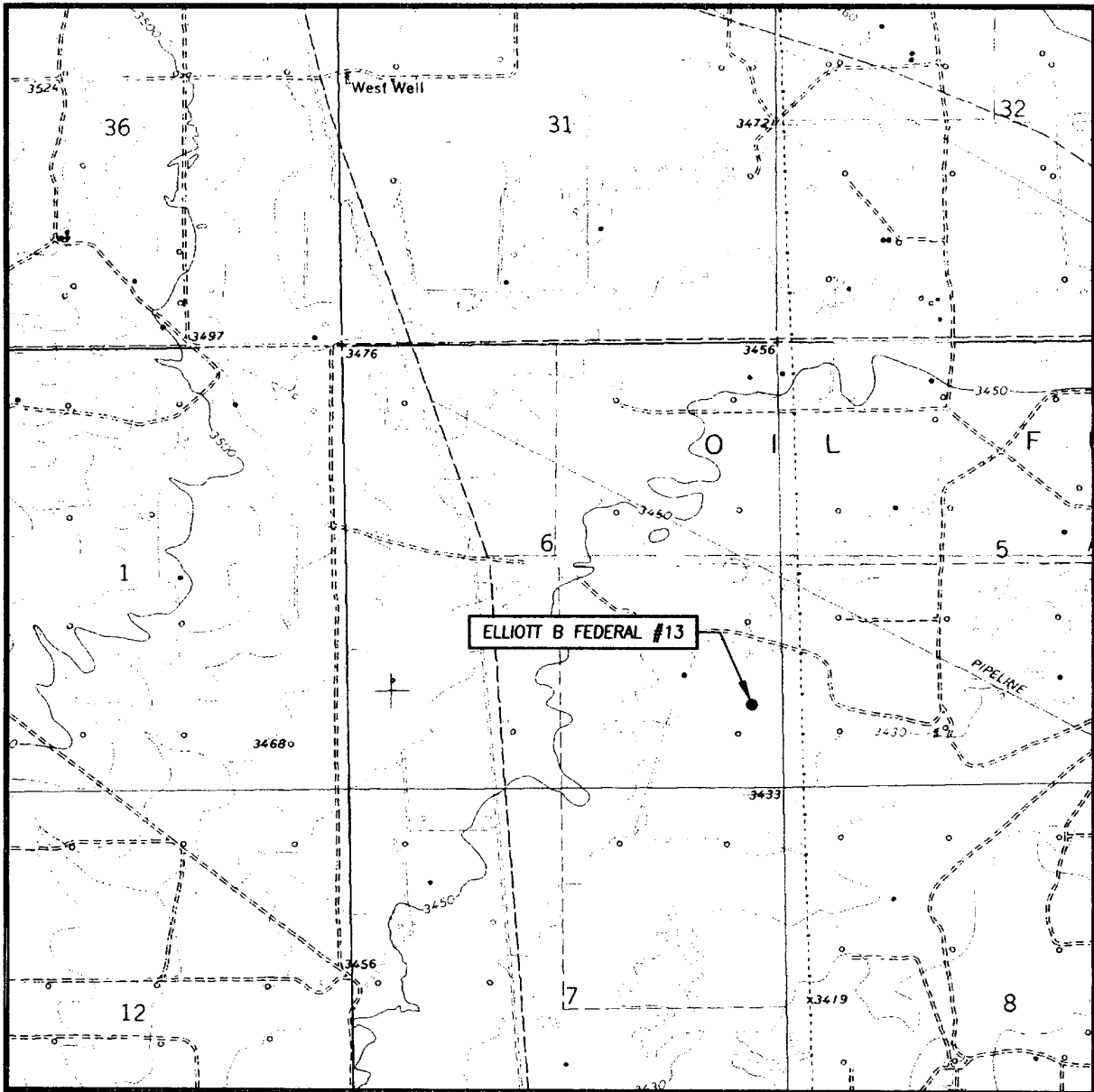
### Surface Owner

Range Operating New Mexico, Inc.  
777 Main St., Ste. 800  
Fort Worth, TX 76102

### Notice Date

2-10-06

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
EUNICE, N.M. - 10'

SEC. 6 TWP. 22-S RGE. 37-E

SURVEY \_\_\_\_\_ N.M.P.M. \_\_\_\_\_

COUNTY \_\_\_\_\_ LEA \_\_\_\_\_

DESCRIPTION 990' FSL & 330' FEL

ELEVATION 3437.6'

OPERATOR RANGE OPERATING  
NEW MEXICO, INC

LEASE ELLIOTT B FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

EUNICE, N.M.

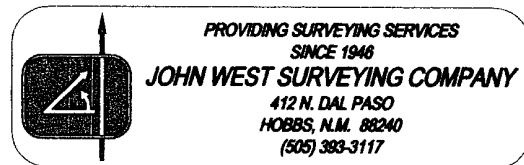
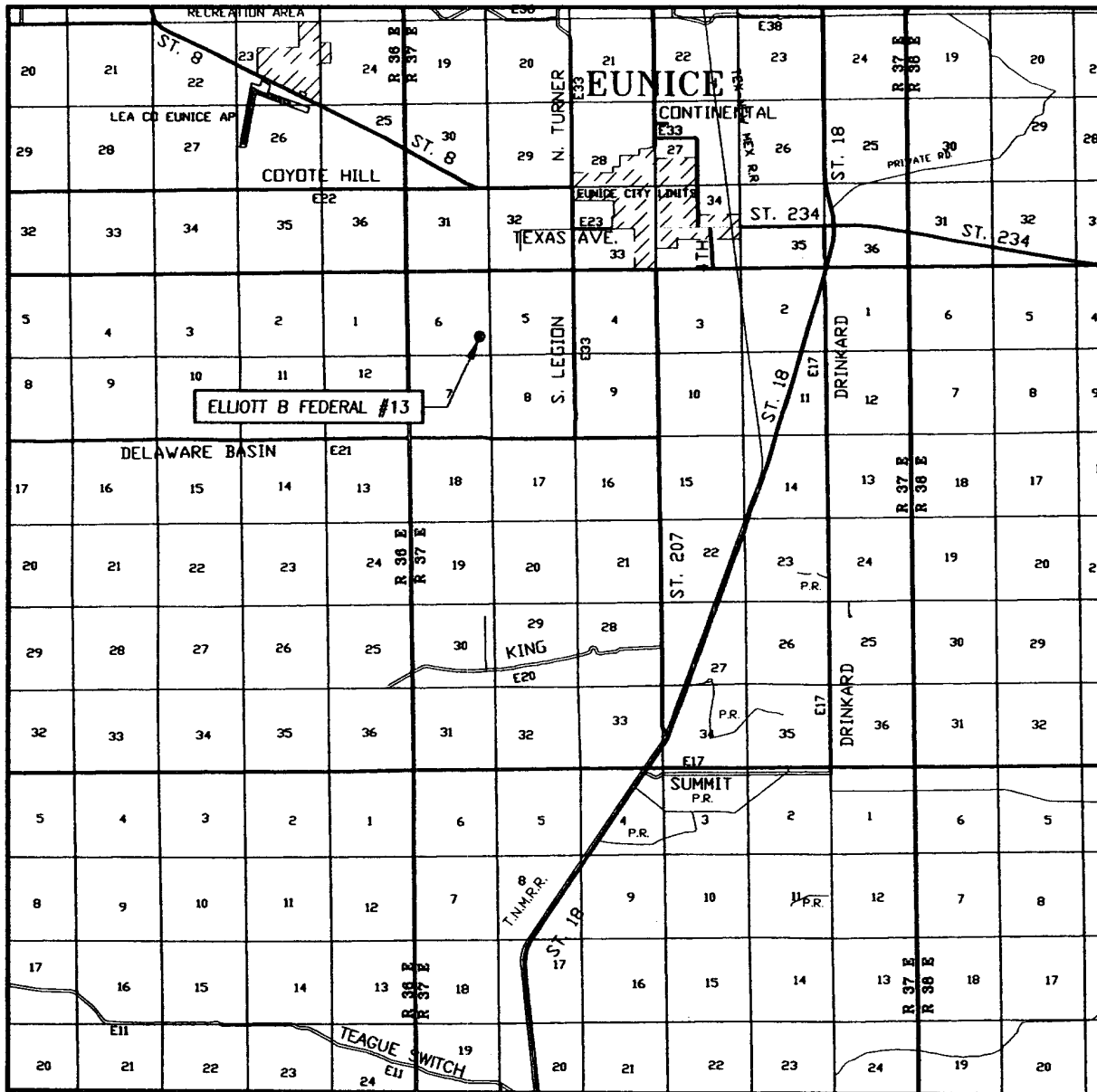


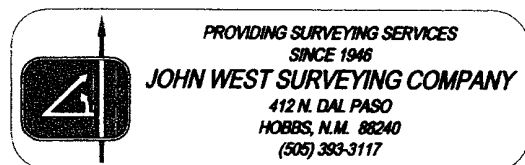
EXHIBIT A

# VICINITY MAP

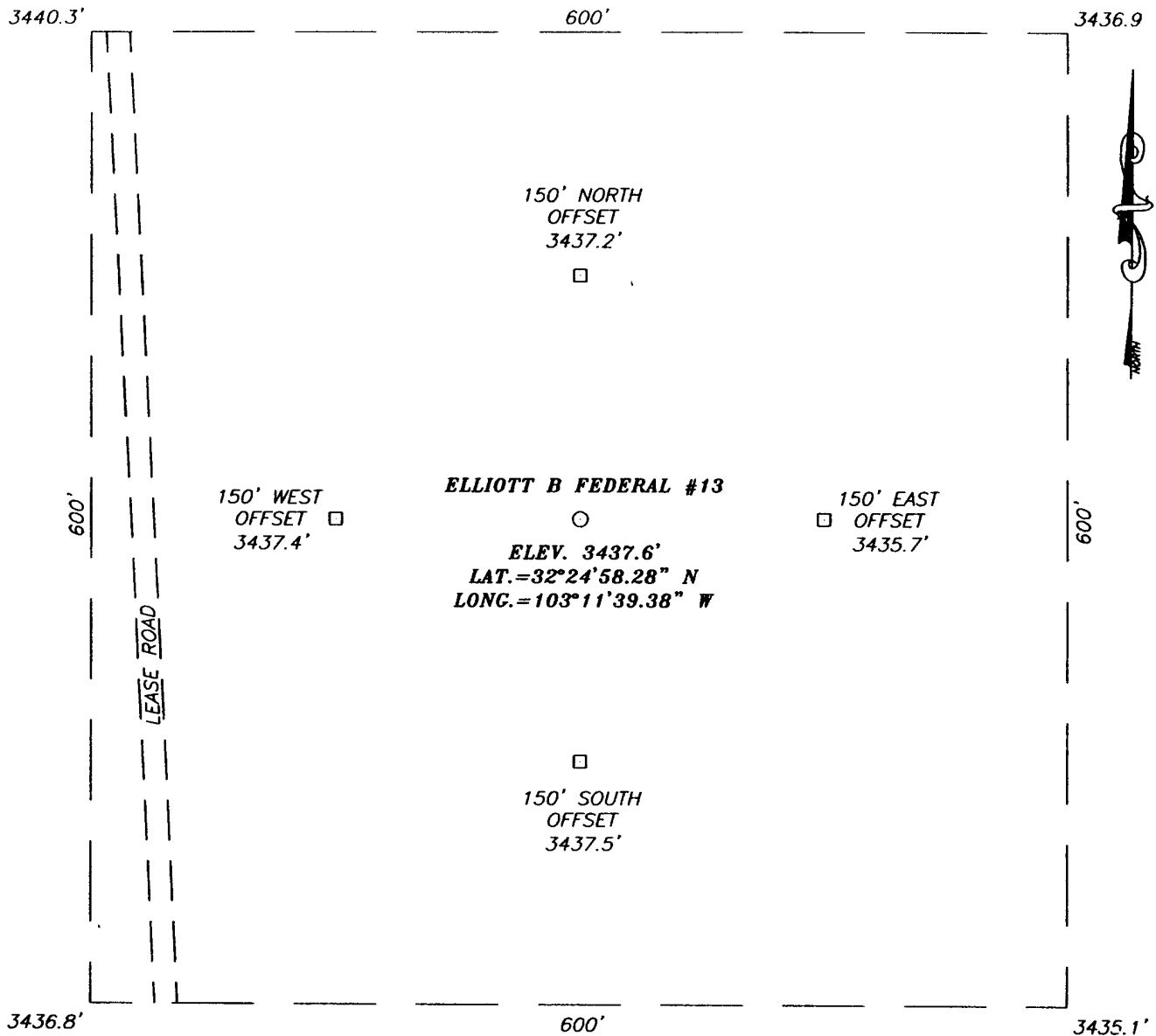


SCALE: 1" = 2 MILES

SEC. 6 TWP. 22-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 990' FSL & 330' FEL  
 ELEVATION 3437.6'  
 OPERATOR RANGE OPERATING  
NEW MEXICO, INC  
 LEASE ELLIOTT B FEDERAL

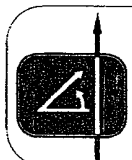
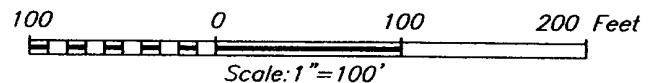


**SECTION 6, TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,**  
 LEA COUNTY, NEW MEXICO



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF E33 AND E21 GO WEST APPROX. 1.7 MILES TO A LEASE RD. GOING NORTH. CONTINUE NORTH ON LEASE RD. FOR APPROX. 1.6 MILES TO A LEASE RD. GOING SOUTHEAST. GO SOUTHEAST FOR APPROX. 0.4 MILES TO A LEASE RD. GOING SOUTH SE. GO SOUTH SE FOR APPROX. 0.3 MILES, THIS LOCATION IS APPROX. 250 FEET TO THE EAST.



PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (505) 393-3117

**RANGE OPERATING NEW MEXICO, INC**

ELLIOTT B FEDERAL #13 WELL  
 LOCATED 990 FEET FROM THE SOUTH LINE  
 AND 330 FEET FROM THE EAST LINE OF SECTION 6,  
 TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO.

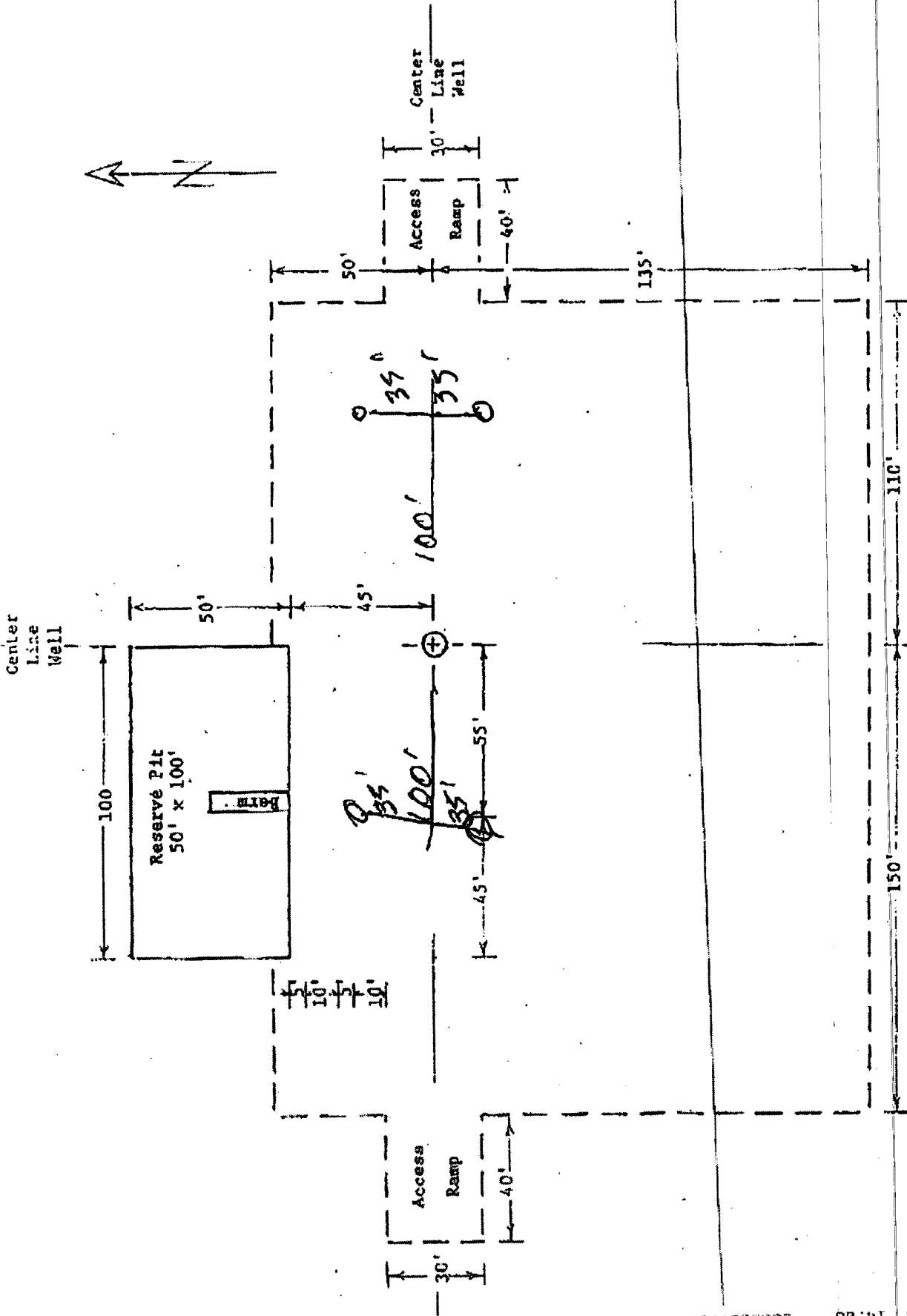
|                         |            |                     |               |
|-------------------------|------------|---------------------|---------------|
| Survey Date: 12/23/05   |            | Sheet 1 of 1 Sheets |               |
| W.O. Number: 05.11.2003 |            | Dr By: RZB          | Rev 1:N/A     |
| Date: 12/29/05          | Disk: CD#4 | 05112003            | Scale:1"=100' |

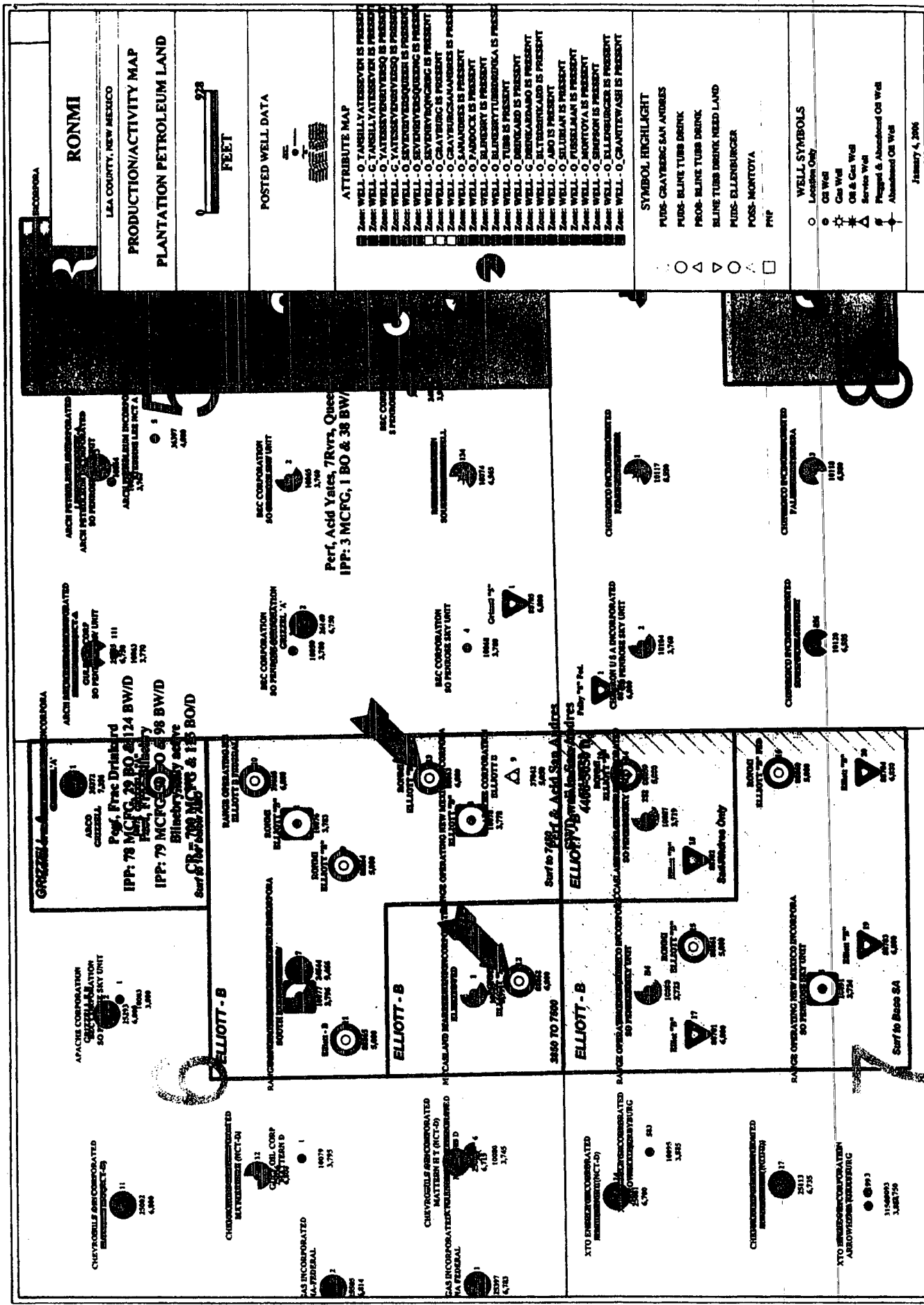
EXHIBIT C

UNITED DRILLING, INC.

LOCATION PLAN

SLC 2X 30







## DISTRICT I

1625 N. FRENCH DR., HOBBBS, NM 88240

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

## DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

## State of New Mexico

Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

|                                   |   |                                      |
|-----------------------------------|---|--------------------------------------|
| API Number<br><b>30-025-37785</b> | Pool Code<br>19190/60240                                | Pool Name<br>Drinkard/Tubb Oil & Gas |
| Property Code<br>301545           | Property Name<br><b>ELLIOTT B FEDERAL</b>               | Well Number<br>13                    |
| OGRID No.<br>227588               | Operator Name<br><b>RANGE OPERATING NEW MEXICO, INC</b> | Elevation<br>3438'                   |

## Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 6       | 22-S     | 37-E  |         | 990           | SOUTH            | 330           | EAST           | 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 |
|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
|                       |                 |                    |           |         |               |                  |               |                |        |
| Dedicated Acres<br>40 | Joint or Infill | Consolidation Code | 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

|          |          |          |          |
|----------|----------|----------|----------|
| LOT 4    | LOT 3    | LOT 2    | LOT 1    |
| 37.24 AC | 40.12 AC | 40.21 AC | 40.30 AC |
| LOT 2    |          |          |          |
| 37.13 AC |          |          |          |
| LOT 3    |          |          |          |
| 37.07 AC |          |          |          |
| LOT 4    |          |          |          |
| 36.88 AC |          |          |          |

DETAILED

3440.3' 3436.9'

600'

3436.8' 3435.1'

SEE DETAIL

330'

990'

GEODETIC COORDINATES  
NAD 27 NME

Y=516996.9 N  
X=851508.9 E

LAT.=32°24'58.28" N  
LONG.=103°11'39.38" W

OPERATOR CERTIFICATION

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

Signature  
Paula Hale

Printed Name  
Sr. Reg. Sp.

Title  
1-20-2006

Date

SURVEYOR CERTIFICATION

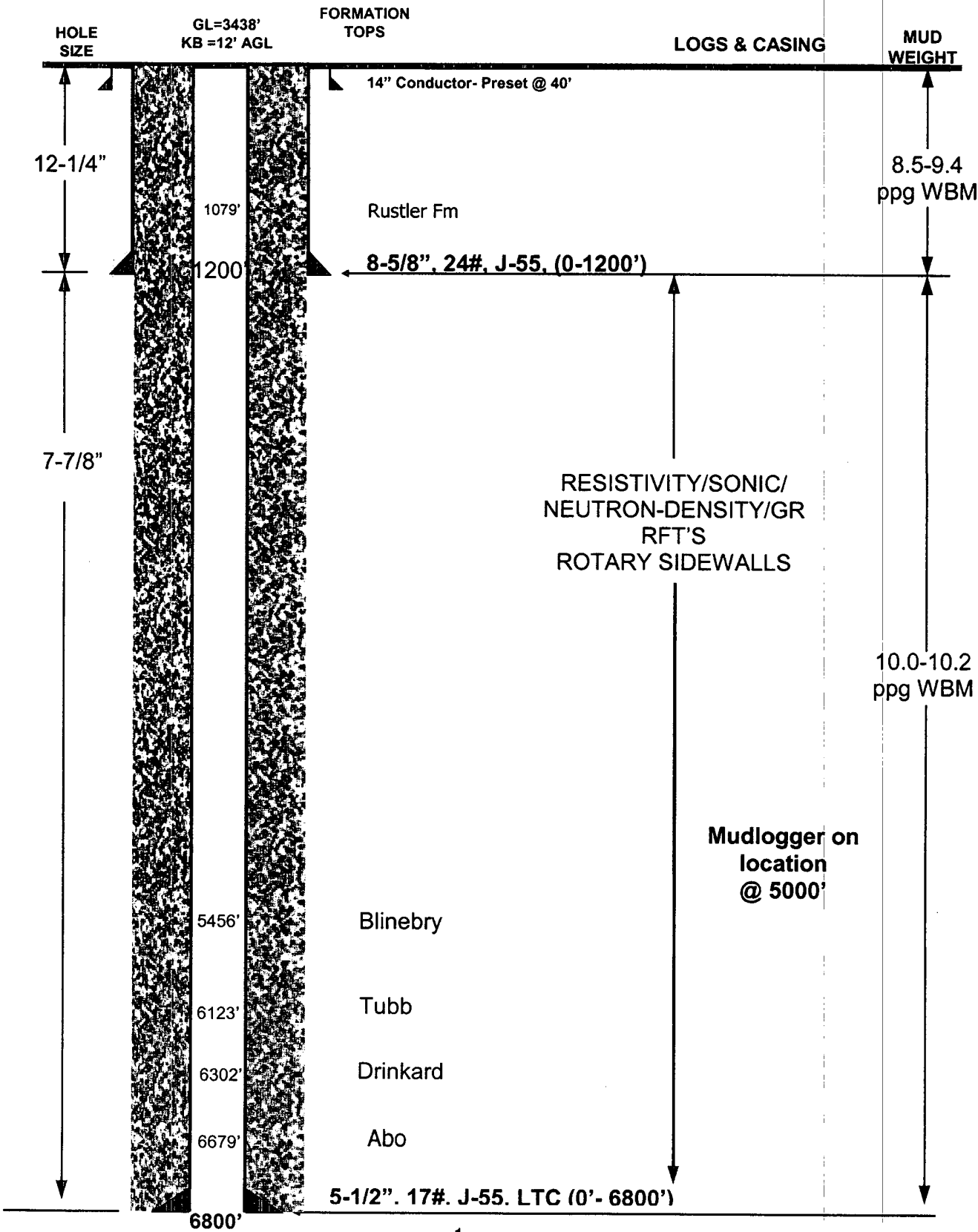
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

RONALD J. EIDSON  
DECEMBER 23, 2005  
DATE SURVEYED  
SIGNATURE & Seal of Professional Surveyor  
RZB

Certificate No. GARY EIDSON 12641  
RONALD J. EIDSON 3239

WELL : Elliott B Federal #13  
SL : 990' FSL & 330' FEL, Sec 6-T22S-R37E  
COUNTY : LEA COUNTY  
STATE : NEW MEXICO

AFE:  
FIELD: Drinkard  
TD: 6800'  
PERMIT NO:





Range Operating New Mexico  
**Elliott B Federal #13**  
**Lea County, NM**  
**Drilling Program**  
Prepared January 19, 2006

**PROPOSED DEPTH:** 6,800' MD / 6,800' TVD  
**GROUND ELEVATION:** 3,438'  
**KB:** 12'

**LOCATION:** 990' FSL & 330' FEL, Section 6-T22S-R37E, Lea County, NM

**ANTICIPATED PRODUCTIVE FORMATION:** Tubb-Drinkard

**API NO:**

**GENERAL:**

The Elliott B Federal #13 will be a 6,800' Tubb-Drinkard test in Lea County, New Mexico drilled on a daywork basis by United Rig #30. A 12-1/4" surface hole will be drilled to +/-1200'. A string of 8-5/8" casing will be run and cemented to surface.

Nipple up BOPs and test same, drilling will continue with a 7-7/8" hole to a total depth of 6,800'. Actual TD will be spaced so that casing will be landed where the casing head can be screwed on. After electric-logging the open-hole interval, a string of 5-1/2" casing will be run and cemented from total depth to 1,000' and the tubing head installed.

**ESTIMATED FORMATION TOPS: (Log Depths)**

|                             |          |            |   |
|-----------------------------|----------|------------|---|
| Upper Permian Rustler Fm    | +2375 ft | 1079 ft MD |   |
| Upper Permian PS Fm         | -30 ft   | 3485 ft MD |   |
| Upper Permian San Andres Fm | -435 ft  | 3890 ft MD | + |
| Upper Permian Glorieta Fm   | -1647 ft | 5102 ft MD | + |
| Upper Permian Blinbry Fm    | -2001 ft | 5456 ft MD | * |
| Lower Permian Tubb Fm       | -2668 ft | 6123 ft MD | * |
| Lower Permian Drinkard Fm   | -2847 ft | 6302 ft MD | * |
| Lower Permian Abo Fm        | -3224 ft | 6679 ft MD |   |
| PTD                         | -3345 ft | 6800 ft MD |   |

\*= Primary Reservoir Targets

+ = Secondary Reservoir Targets

### **DETAILED DRILLING PROCEDURE**

#### **TIMES AND EVENTS TO NOTE ON DRILLING REPORT:**

- A. SPUD (date and time)
- B. TD (each interval date and time)
- C. CEMENT IN PLACE (date and time)
- D. RIG RELEASE (date and time)

### **BOTTOM HOLE ASSEMBLIES**

- BHA #1: (0-1200') - Bit, (2) 8" DC, (10) 6.25" DC's
- BHA #2: (1200'-6000') - Bit, (2) 6.25" DC's, IBS, (1) 6.25" DC, IBS, (22) 6.25" DC's
- BHA #3: (6000'-6800') - Bit, (22) 6.25" DC's

The IBS's will be layed down prior to drilling the Tubb.

### **USE OF RT TOOL**

Two RT tools will be run, one 500' above the top of the collars and the other at 1500' above the top the first RT tool.

### **MUD PROGRAM**

| INTERVAL      | MUD WEIGHT  | FUNNEL VIS. | API Fluid Loss |
|---------------|-------------|-------------|----------------|
| 0' - 1200'    | 8.4 – 9.4   | 32-34       | NC             |
| 1200' - 6000' | 10.0        | 28          | NC             |
| 6000' - 6800' | 10.0 – 10.2 | 30-33       | 10cc           |

- 1) Level and build an all-weather location and access road.
- 2) MIRU United Rig #30. Perform rig safety inspection and ensure that everything is in proper working order prior to spudding well.
- 3) Notify NMOCD of intent to spud, run casing and cement each 24 hours in advance 505-748-1283.
- 4) Spud well with 12-1/4" mill tooth bit. BHA should consist of 3-8" drill collars and 6" drill collars. Drill to +/- 1200' with surveys at 500' and 1000' (Actual depth will be determined by the length of the casing). Circulate hole clean. Sweep and condition hole to run casing. Pull out of hole, lay down BHA.

**NOTE:** Mud through this interval will be a native spud mud supplemented with Bentonite. Lime may be used to flocculate the mud and increase the yield point to clean the hole. Mix paper for seepage control. Utilize all solids control equipment to control drill solids. Run as fine of mesh shaker screens as possible. Use water to control mud weight and viscosity. Maintain mud weight at 8.4 – 9.0 ppg.

5) Rig up casing crew and run 8-5/8", 24#, J-55 casing as follows:

1-8-5/8" Texas Pattern Shoe  
1-8-5/8" Insert Float Collar  
1-8-5/8" x 11" Centralizer 10' above shoe  
1-8-5/8" x 11" Centralizer every other joint  
1-8-5/8" Stop Ring

6) Circulate for at least bottoms up plus one casing volume with mud prior to cementing. Cement surface casing according to cement recommendation. **NOTE:** Have field bin, cement, and circulating equipment on location prior to casing job.

- a) Review rates, pressures, displacement volumes and casing pressure rating with Service Company and rig personnel. All cement slurries are to be lab tested; both a pilot test and a test of the actual field blend. Report results, including 24 hour compressive strengths, to the office. **(See Cement Testing Requirements below)**. Also keep two samples of each dry cement in the event that a problem is encountered while cementing. Discard this sample if all indications are positive.
- b) Cement well as follows: Pump 20 bbl fresh water followed by **200** sks of Lead: 35/65 POZ: Class C + 6% D020 + 5% (BWOW) D044 + 1 pps D130, @ 12.8 ppg, followed by **180** sks Tail: Class C + 1% S001 + 0.1 pps D130 @ 14.8 ppg. Displace with fresh water, bump plug with w/ 500 psi over final pump pressure.
- c) If cement is not circulated to surface, contact the office and the NMOCD and prepare to run 1" pipe and top out cement. Have 1" pipe on location for possible top-out.
- d) If cement falls, fill 12-1/4" X 8-5/8" annulus with cement.

7) Release pressure and check for flow back. Set casing on bottom. If float is holding, base nipple up of wellhead and BOP on the surface cement samples. Well must stand at least 8 hours total before any testing of casing is performed as per NMOCD.

8) After cementing casing, weld on 8-5/8" flange type casing head. Test BOP blind rams & choke manifold to 250# low & 3000# high. Pick up Bit #2 (7-7/8") & BHA, trip in hole, test BOP pipe rams to 250# low & 3000#. **Pressure test casing to 1000 psi for 30 minutes prior to drilling out shoe.** Clearly report this test information of the daily drilling report.

**MUD NOTES: See Mud Program for details**

After cementing 8-5/8" casing circ pit with brine water. Mix paper for seepage control. Utilize pre-hydrated Gel/Lime sweeps for flushing the hole. Run all available solids control equipment to control weight. Add brine water as needed to maintain volume. Add LCM to system only as needed. Use batch LCM treatment if losses occur and maintain as needed.

- 9) Drill ahead with brine water in 7-7/8" hole taking deviation surveys every  $\pm 500'$  or nearest bit run per NMOCD rules. Use sweeps as needed to clean hole. Drill to  $\pm 6800'$ ; exact TD will be determined by the length of the casing. Sweep and condition hole in preparation for logging. Spot a 50 bbl, 40-42 visc pill prior to POOH for logs. Strap out of hole.
- 10) RU Wireline Truck and Tools. Log well as instructed by Range Operating NM. Rotary sidewall cores may be required along with RFT's.

- 11) Make a conditioning trip prior to running casing. Trip into hole with BHA and drill pipe, break circulation at 6800'. Ream last two stands to bottom. Circulate and condition hole. Maintain viscosity of 28. TOH laying down 4-1/2" drill pipe and drill collars. Clear floor and prepare to run casing.
- 12) Rig up casing crew and run 5-1/2", 17#, J-55, LT&C as follows:
  - a) Float shoe (thread-lock)
  - b) 1 jt. 5-1/2", 17#, J-55, LT&C casing (thread-lock)
  - c) Float collar (thread-lock)
  - d) 5-1/2", 17#, J-55, LT&C Casing to surface.

The float shoe, bottom joint of 5-1/2" casing and the float collar should be thread-locked (do not weld pipe).  
Run 1 centralizer 5' above shoe with limit clamp, one on the next collar, one just below the float collar with limit clamp and one per joint up to 4500'.
- 13) Circulate mud for at least bottoms up plus one casing volume prior to cementing.
- 14) Cement the production casing as follows. Re-figure cement volumes on a basis of: caliper + 20% + 50 sx. Precede cement with 20 bbl fresh water, 500 gals superflush, 20 bbl fresh water.

**Cement well as follows:**

Lead: **370** sks of 50/50 POZ:Class C + 10% D020 + 5% (BWOW) D044 + 0.25 pps D29 + 0.2% D046. Slurry weight = 12.0 ppg, Yield = 2.39 cf/sk followed by:

Tail: **350** sks of 50/50 POZ:Class C + 2% D020 + 5% (BWOW) D044 + 0.25 pps D29 + 0.2% D046 + 0.2% D167 + 4 pps D042. Slurry weight = 14.2 ppg, Yield = 1.38 cf/sk. Displace with fresh water.

Review rates, pressures, displacement volumes and casing pressure rating with Service Company and rig personnel. All cement slurries are to be lab tested; both a pilot test and a test of the actual field blend. Report results, including 24 hour compressive strengths, to the office. **(See Cement Testing Requirements below)**. Also keep two samples of each dry cement.

- a) Have additional water storage on location as necessary for mixing cement. Have water analyzed by cementing company for compatibility with cement and chemicals.
  - b) Reciprocate pipe during cement job. Take special care to move pipe very slowly on the down stroke. Pump spacer and cement at 7-8 BPM. When the last cement has been pumped, maintain rate at 7-8 BPM. Displace with fresh water. When reaching displacement to shoe joint minus 10 bbls slow pump rate to 2 barrels per minute or less prior to bumping plug. Bleed off pressure and check for backflow. If negative, remove the cap and drop the opening bomb for the second stage job.
  - c) Bump plug with 500 psi over final displacement pressure and hold pressure for 15 minutes.
- 15) Release pressure and check for flow back. If floats are holding, continue to make preparations to hang 5-1/2" casing one (1) foot off bottom. If floats do not hold, wait 12 hours on cement.
  - 16) Set 5-1/2" slips in "A" section with full string weight. Nipple down BOP, Nipple up well head.
  - 17) Install cap. Clean mud pits and release rig.

## **CEMENT TESTING REQUIREMENTS:**

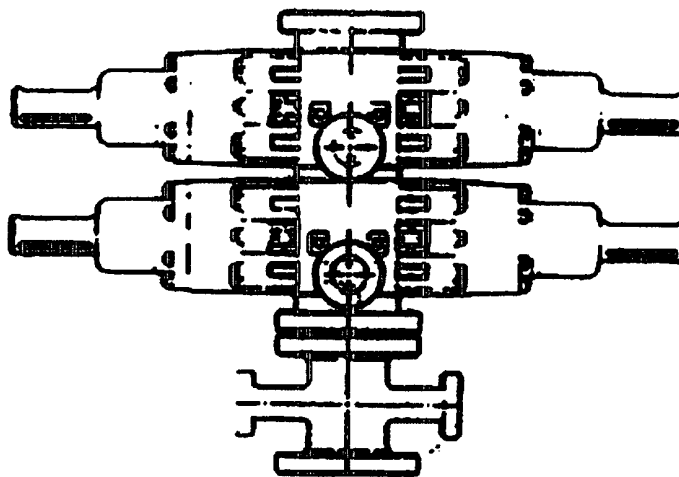
- Laboratory Blend:** Obtain thickening time, rheology, water loss, and compressive strengths of the laboratory cement blend with a water sample of the actual water to be used in cementing for each cement slurry to be pumped.
- Field Blend:** Obtain thickening time of the field cement blend with a water sample of the actual water to be used in cementing for each slurry to be pumped. If the thickening time of the field blend is consistent with the thickening time of the laboratory blend, proceed with the cement job. If not, wait on the compressive strength results. Regardless of thickening time results, obtain all of the compressive strengths of field blend to compare with the compressive strengths of the laboratory blend.

|                   |                    |                |                |                |
|-------------------|--------------------|----------------|----------------|----------------|
| Don Robinson      | Drilling Manager   | (469) 450-2281 | (972) 317-8345 | (817) 509-1506 |
| George Allen Teer | VP of Operations   | (817) 723-1107 | (817) 491-3740 | (817) 870-2601 |
| Bryan Surles      | District Engineer  | (817) 360-9663 | (817) 346-8188 | (817) 810-1971 |
| Martin Emery      | Chief Geologist    | (817) 366-3693 | (817) 430-4861 | (817) 870-2601 |
| Paula Hale        | Sr. Regulatory Sp. | (817) 773-6002 |                | (817) 810-1916 |

|  |                    |                                  |                                      |
|--|--------------------|----------------------------------|--------------------------------------|
| <b>United Rig Company, Artesia, NM</b>     | Rig Company        | Angel Salazar                    | (505) 623-7730                       |
| <b>United Rig #30</b>                      |                    |                                  |                                      |
| <b>Nova Mud, Inc - Hobbs, NM</b>           | Drig Mud           | Dale Welch                       | (800) 530-8786                       |
| <b>Master Tubulars – Midland, TX</b>       | Casing & Tubing    | Randy Martin                     | (800) 682-8996                       |
| <b>Suttles Logging, Inc. – Midland, TX</b> | Mudlogging         | Sam Samford                      | (432) 687-3148                       |
| <b>Schlumberger-Artesia, NM</b>            | Cementing Service  | Lynn Northcutt                   | (505)748-1392<br>cell (505) 365-7510 |
| <b>National – Hobbs, NM</b>                | Well Heads         |                                  | (505) 393-9928                       |
| <b>TFH –Hobbs, NM</b>                      | Dirt Contractor    |                                  | (505) 397-3270                       |
| <b>Weatherford –Artesia, NM</b>            | Float Equipment    |                                  |                                      |
| <b>Halliburton Logging –Hobbs, NM</b>      | Open Hole Logs     | Michael Escriva<br>Tommy Johnson | (505) 392-7543                       |
| <b>Allen's Casing Crew -Hobbs, TX</b>      | Csg Crew           |                                  |                                      |
| <b>Riverside- Carlsbad, TX</b>             | Water -            |                                  | (505) 885-6663                       |
| <b>National –Hobbs, NM</b>                 | General Supplies   |                                  | (505) 393-9928                       |
| <b>TFH –Hobbs, NM</b>                      | Fork Lift          |                                  | (505) 397-3270                       |
| <b>Abbot Brothers</b>                      | Conductor setting  |                                  |                                      |
| <b>RTO Sales &amp; Lease</b>               | Satellite Internet |                                  | (432) 550-5678                       |



# BLOW OUT PREVENTION EQUIPMENT



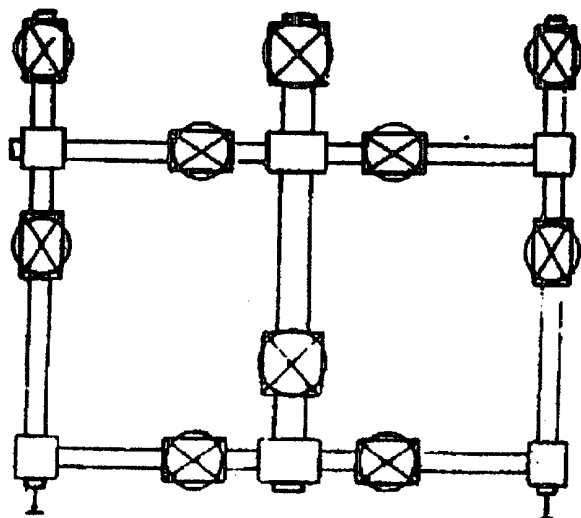
## BOP Stack

- 1 Rucker Shaffer "B" double ram  
10" - 3000 psi WP

## Closing Unit

- Hydril model 80 three station  
accumulator
- Controls located in accumulator  
house and on rig floor

## CHOKE MANIFOLD



900 Series, 3000 psi WP

PLAT #2



**EUNICE PROSPECT (Blinebry/Tubb/Drinkard)**  
**Elliott "B" Fed. No. 13**  
**Well Objectives/Prognosis/Evaluation**  
**January 4, 2006**

**I) GENERAL**

|                               |   |               |
|-------------------------------|---|---------------|
| Operator:                     | Range Operating NM, Inc. (100%)                     |               |
| Partners/WI:                  | none  |               |
| Proposed Well Designation:    | Elliott "B" Fed. No. 13                             |               |
| API No.:                      | 30-025-   |               |
| Well Classification:          | PUD   |               |
| Confidentiality Status:       | Restricted, no information release without approval |               |
| PTD (Permit Depth):           | 6800 ft MD  |               |
| Anticipated Spud Date:        |   |               |
| Estimated Days to Drill:      | 20  |               |
| Drilling Contractor:          |   |               |
| Expected Type of Hydrocarbon: | Oil/Gas, Gravity and GOR variable                   |               |
| Contacts:                     | Tom Brace, Geol. Mgr.                               | (817)810-1926 |
|                               | Martin Emery, Project Geologist                     | (817)810-1951 |
|                               | Steve Chapman, Reservoir Engineer                   | (817)810-1912 |
|                               | Bobby Ebeier, Landman                               | (817)810-1987 |
|                               | Don Robinson, Drilling Mgr.                         | (817)509-1506 |
|                               | Bryan Surles, Oper. Eng.                            | (817)810-1971 |

**II) WELL OBJECTIVES**

The objective of the well is to drill and evaluate the Blinebry, Tubb, and Drinkard Formations and complete the well as a Blinebry-Drinkard producer. The expected EUR for the well is 1194 MMCFGE. The expected IP is 400 MCFG & 90 BO/D.

**III) LOCATION**

|                         |   |
|-------------------------|---|
| Surface Location:       | 990 ft FSL      330 ft FEL<br>Section 6-T22S-R37E<br>Lea County, New Mexico<br>Lat: 32 deg 24' 57.98"<br>Long: 103 deg 11' 39.60" |
| Bottom-hole Location:   | same, vertical  |
| Elevation:              | GL: 3443 ft est<br>KB: 3455 ft est  |
| Directions to Location: |   |
| Access to Location:     | Unrestricted  |

**IV) PROGNOSIS**

|                             |          |            |   |
|-----------------------------|----------|------------|---|
| Upper Permian Rustler Fm    | +2375 ft | 1079 ft MD |   |
| Upper Permian PS Fm         | -30 ft   | 3485 ft MD |   |
| Upper Permian San Andres Fm | -435 ft  | 3890 ft MD | + |
| Upper Permian Glorieta Fm   | -1647 ft | 5102 ft MD | + |
| Upper Permian Blinebry Fm   | -2001 ft | 5456 ft MD | * |
| Lower Permian Tubb Fm       | -2668 ft | 6123 ft MD | * |
| Lower Permian Drinkard Fm   | -2847 ft | 6302 ft MD | * |
| Lower Permian Abo Fm        | -3224 ft | 6679 ft MD |   |
| PTD                         | -3345 ft | 6800 ft MD |   |

\*= Primary Reservoir Targets

+ = Secondary Reservoir Targets

**EUNICE PROSPECT (Blinebry/Tubb/Drinkard)**  
**Elliott "B" Fed. No. 13**  
**Well Objectives/Prognosis/Evaluation**

**V) PRIMARY RESERVOIR TARGETS**

**Upper Permian Blinebry DOL**

|                        |   |
|------------------------|---|
| Rock Type:             | crypto-c xlln DOL                         |
| Thickness:             | 50-75 ft net pay                          |
| Avg. Porosity:         | 8%; ranges from 2-18%                     |
| Avg. Perm.:            | ? md                                      |
| Est. Reservoir Temp.:  | 120°F                                     |
| Est. Reservoir Press.: | 2200 psi (assuming no pressure depletion) |

**Lower Permian Tubb DOL**

|                        |   |
|------------------------|---|
| Rock Type:             | crypto-c xlln DOL                         |
| Thickness:             | 10-15 ft net pay                          |
| Avg. Porosity:         | 8%; ranges from 2-15%                     |
| Avg. Perm.:            | ? md                                      |
| Est. Reservoir Temp.:  | 130°F                                     |
| Est. Reservoir Press.: | 2480 psi (assuming no pressure depletion) |

**Lower Permian Drinkard DOL**

|                        |   |
|------------------------|---|
| Rock Type:             | crypto-c xlln DOL                         |
| Thickness:             | 50-75 ft net pay                          |
| Avg. Porosity:         | 12%; ranges from 2-20%                    |
| Avg. Perm.:            | ? md                                      |
| Est. Reservoir Temp.:  | 135°F                                     |
| Est. Reservoir Press.: | 2640 psi (assuming no pressure depletion) |

**VI) SECONDARY RESERVOIR TARGETS**

Upper Permian San Andres DOL & Glorieta/Paddock DOL

**VII) PROPOSED WELL DESIGN**

Drilling Fluids/Additives: Brine, 10.1 lbs/gal  
Casing Design:

**VIII ) EVALUATION**

Mud-Logging:

|                     |  |
|---------------------|--|
| Contractor:         | <b>SUTTLES LOGGING, INC.</b><br><b>Office: (432)687-3148</b><br><a href="http://www.sutlog.com">www.sutlog.com</a>   |
| Basic Requirements: | Cuttings lithology description/comments<br>Oil shows/fluorescence/cut description<br>Gas monitoring, chromatography, gas ratios<br>Penetration rate/depth, rig operations, bit and mud properties<br>One man unit  |
| Correlation:        | Please use the following logs for correlation and refer to Section (X) for offset well tops:<br>1) <b>CHEVRON</b><br><b>Mattern NCT "D" No. 13</b><br>810 ft FSL & 1930 ft FWL<br>Section 6-T22S-R37E<br>30-025-25057<br>2) <b>RONMI</b><br><b>Elliott "B" No. 7</b><br>1980 ft FSL & 1780 ft FEL<br>Section 6-T22S-R37E<br>30-025-24544 |
| Sampling:           | 2500-6800 ft MD 10 ft samples<br>Collect 1 dry sample per interval   |
| Reporting:          | E-mail/WWW or fax daily reports/logs to:<br><b>Martin Emery (Primary)</b><br>(817)810-1951 (wk) <a href="mailto:memery@rangeresources.com">memery@rangeresources.com</a><br>(817)810-1988 (fax)<br>(817)430-4861 (hm)<br>(817)366-3693 (cell)  |
| Distribution:       | see attached distribution  |

EUNICE PROSPECT (Blinebry/Tubb/Drinkard)  
Elliott "B" Fed. No. 13  
Well Objectives/Prognosis/Evaluation

VIII) EVALUATION (cont)

|                      |                           |   |
|----------------------|---------------------------|---|
| Conventional Coring: | None                      |   |
| Open-Hole DSTs:      |                           |   |
| DST Contractor:      | None                      |   |
| DST Program:         | None                      |   |
| Distribution:        | see attached distribution |   |
| Open-Hole Logging:   |                           |   |
| Contractor:          | HALLIBURTON               |   |
| Logging Program:     | 2500-6800 ft MD (TD)      | SGR-DSN-SDL-DLL-MSFL-FWS (delta T)<br>(log GR-Neutron to surface) |
|                      | Optional 5000-6800 ft     | GR-RSCT   |
| Distribution:        | see attached distribution |   |

IX) POTENTIAL HAZARDS/PITFALLS

|   |  |
|---|--|
| Problematic Drilling Zones:                       |  |
| Abnormal Pressure/Temperature Zones:              | Possibility of partial depletion within Queen to Grayburg Formations     |
| Fractured/Lost Circulation Zones:                 | See above; Please tag mud if circulation is lost in primary pay interval |
| Presence of H <sub>2</sub> S or CO <sub>2</sub> : | None expected  |
| Faults Intersecting the Wellbore:                 | None expected  |

X) CORRELATION LOG TOPS:

| Correlations                | CHEVRON<br>Mattern NCT "D" No. 13<br>Sec. 6-T22S-R37E<br>KB: 3471 ft | RONMI<br>Elliott "B" No. 7<br>Sec. 6-T22S-R37E<br>KB: 3457 ft |
|-----------------------------|--|---|
| Upper Permian Rustler Fm    | (+2373') 1098'   | NL  |
| Upper Permian PS Fm         | (15') 3476'  | (-36') 3493'  |
| Upper Permian San Andres Fm | (-430') 3901'  | (-449') 3903'   |
| Upper Permian Glorieta Fm   | (-1649') 5120'   | (1649') 5106'   |
| Upper Permian Blinebry Fm   | (-2078') 5549'   | (-2075') 5532'  |
| Lower Permian Tubb Fm       | (-2683') 6154'   | (-2690') 6147'  |
| Lower Permian Drinkard Fm   | (-2865') 6336'   | (-2872') 6329'  |
| Lower Permian Abo Fm        | NDE  | (-3247') 6704'  |
| TD                          | 6715'  | 9466'   |

Prepared by: Martin Emery  
Date: January 4, 2006  
Revised:

SPECIAL DRILLING STIPULATIONS

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN

Operator's Name: Range Operating New Mexico Inc Well Name & #: Elliott B Federal #13  
Location 990 F S L & 330 F E L; Sec. 6, T.22 S., R. 37 E.  
Lease #: LC-032573b County: Lea State: New Mexico

The Special stipulations check marked below are applicable to the above described well and approval of this application to drill is conditioned upon compliance with such stipulations in addition to the General Requirements. The permittee should be familiar with the General Requirements, a copy of which is available from a Bureau of Land Management office. EACH PERMITTEE HAS THE RIGHT OF ADMINISTRATIVE APPEAL TO THESE STIPULATIONS PURSUANT TO TITLE 43 CRF 3165.3 AND 3165.4.

This permit is valid for a period of one year from the date of approval or until lease expiration or termination whichever is shorter.

I. SPECIAL ENVIRONMENT REQUIREMENTS

- ( ) Lesser Prairie Chicken (stips attached) ( ) Flood plain (stips attached)  
( ) San Simon Swale (stips attached) ( ) Other

II. ON LEASE - SURFACE REQUIREMENTS PRIOR TO DRILLING

( x ) The BLM will monitor construction of this drill site. Notify the ( x ) Carlsbad Field Office at (505) 234-5972 ( ) Hobbs Office (505) 393-3612, at least 3 working days prior to commencing construction.

( ) Roads and the drill pad for this well must be surfaced with \_\_\_\_\_ inches of compacted caliche upon completion of well and it is determined to be a producer.

( ) All topsoil and vegetation encountered during the construction of the drill site area will be stockpiled and made available for resurfacing of the disturbed area after completion of the drilling operation. Topsoil on the subject location is approximately \_\_\_\_\_ inches in depth. Approximately \_\_\_\_\_ cubic yards of topsoil material will be stockpiled for reclamation.

( ) Other.

III. WELL COMPLETION REQUIREMENTS

( ) A Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the BLM. The effective date of the agreement must be prior to any sales.

( x ) Surface Restoration: If the well is a producer, the reserve pit(s) will be backfilled when dry, and cut-and-fill slopes will be reduced to a slope of 3:1 or less. All areas of the pad not necessary for production must be re-contoured to resemble the original contours of the surrounding terrain, and topsoil must be re-distributed and re-seeded with a drill equipped with a depth indicator (set at depth of ½ inch) with the following seed mixture, in pounds of Pure Live Seed (PLS), per acre.

- |   |   |
|---|---|
| ( ) A. Seed Mixture 1 (Loamy Sites)                   | ( x ) B. Seed Mixture 2 (Sandy Sites)                   |
| Side Oats Grama ( <i>Bouteloua curtipendula</i> ) 5.0 | Sand Dropseed ( <i>Sporobolus cryptandrus</i> ) 1.0     |
| Sand Dropseed ( <i>Sporobolus cryptandrus</i> ) 1.0   | Sand Lovegrass ( <i>Eragrostis trichodes</i> ) 1.0      |
|   | Plains Bristlegrass ( <i>Setaria magrostachya</i> ) 2.0 |
| ( ) C. Seed Mixture 3 (Shallow Sites)                 | ( ) D. Seed Mixture 4 (Gypsum Sites)                    |
| Side oats Grama ( <i>Boute curtipendula</i> ) 1.0     | Alkali Sacaton ( <i>Sporobollud airoides</i> ) 1.0      |
|   | Four-Wing Saltbush ( <i>Atriplex canescens</i> ) 5.0    |

( ) OTHER SEE ATTACHED SEED MIXTURE

Seeding should be done either late in the fall (September 15 - November 15, before freeze up, or early as possible the following spring to take advantage of available ground moisture.

( ) Other

## RESERVE PIT CONSTRUCTION STANDARDS

The reserve pit shall be constructed entirely in cut material and lined with 6-mil plastic. Mineral material extracted from within the boundary of the APD during construction of the well pad and reserve pits and be used for the construction of this well pad and its immediate access road only, as long as that portion of the access road it is use on remains on-lease. Removal of any additional material from this location for construction or improvement of other well pads and other access or lease roads must first be purchased from BLM.

Reclamation: Reclamation of this type of deep pit will consist of pushing the pit walls into the pit when sufficiently dry to support track equipment. The pit liner is NOT TO BE RUPTURED to facilitate drying; a ten month period after completion of the well is allowed for drying of the pit contents.

The pit area must be contoured to the natural terrain with all contaminated drilling mud buried with at least 3 feet of clean soil. The reclaimed area will then be seeded as specified in this permit.

## OPTIONAL PIT CONSTRUCTION STANDARDS

The reserve pit may be constructed in predominantly fill material if:

- (1) Lined as specified above and
- (2) A temporary or emergency pit may be constructed immediately adjacent to the reserve pit as long as the pit remains within the APD boundary. Mineral material removed from this pit may be used for the construction of this well pad only and its immediate access road, as long as that portion of the access road the material is used on remains on-lease. Removal of any material from the APD boundary for use on other well locations or roads must first be purchased from BLM.

Reclamation of the reserve pit consists of bulldozing all reserve pit contents and contaminants into the borrow pit and covering with a minimum of 3 feet of clean soil material. The entire area must be re-contoured, all trash removed, and reseeded as specified in this permit.

## CULTURAL

Whether or not an archaeological survey has been completed and notwithstanding that operations are being conducted as approved, the lessee/operator/grantee shall notify the BLM immediately if previously unidentified cultural resources are observed during surface disturbing operations. From the time of the observation, the lessee/operator/grantee shall avoid operations that will result in disturbance to these cultural resources until directed to process by BLM.

## TRASH PIT STIPS

All trash, junk, and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

BLM SERIAL #: LC-032573B  
COMPANY REFERENCE: Range Operating New Mexico Inc  
WELL # & NAME: Elliott B Federal #13

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

| <u>Species</u>                                      | <u>lb/acre</u> |
|---|----------------|
| Sand dropseed ( <i>Sporobolus cryptandrus</i> )     | 1.0            |
| Sand love grass ( <i>Eragrostis trichodes</i> )     | 1.0            |
| Plains bristlegrass ( <i>Setaria macrostachya</i> ) | 2.0            |

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

## CONDITIONS OF APPROVAL - DRILLING

Operator's Name: RANGE OPERATING NEW MEXICO, INC.  
Well Name & No. 13 – ELLIOTT B FEDERAL  
Location: 990' FSL & 330' FEL – SEC 6 – T22S – R37E – LEA COUNTY  
Lease: LC-032573B

.....

### I. DRILLING OPERATIONS REQUIREMENTS:

A. The Bureau of Land Management (BLM) is to be notified a minimum of 4 hours in advance for a representative to witness:

1. Spudding (Setting of a conductor pipe does not constitute the spudding of a well)
2. Setting and/or Cementing of all casing strings
3. BOPE tests

- Lea County call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612

B. There is no reported occurrence of Hydrogen Sulfide (H<sub>2</sub>S) gas in Sec 6 – T22S – R37E.

C. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

### II. CASING:

A. The 8-5/8 inch surface casing shall be set at 1200 feet and cemented to the surface.

1. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey (an electronic type temperature survey will be used) or cement bond log shall be run to verify the top of the cement.
2. Wait on cement (WOC) time for a primary cement job will be a minimum of 12 hours for a non-water basin, 18 hours for a water basin, or 24 hours in the potash area.
3. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours or 500 psi compressive strength (which ever is greater) after bringing cement to surface.
4. If cement falls back, remedial action will be done prior to drilling out that string.

B. The minimum required fill of cement behind the 5-1/2 inch production casing is cement shall extend upward a minimum of 500 feet above the uppermost hydrocarbon bearing interval.

C. No "new" hardband drill pipe will be rotated inside the casing. Hardband drill pipe will be considered new until it has a smooth surface.

### III. PRESSURE CONTROL:

A. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53.

B. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface shoe shall be 2000 psi.

C. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

1. The tests shall be done by an independent service company.
2. The results of the test shall be reported to the appropriate BLM office.
3. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
4. The BOP/BOPE test shall include a low pressure test in accordance with API RP 53. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
5. A variance to test the surface casing and BOPE to the reduced pressure of 1000 psi with the rig pumps is approved.



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☐

|  |  |   |
|--|--|---|
| Operator: <u>Range Operating New Mexico, Inc.</u> Telephone: <u>817/810-1916</u> e-mail address: <u>phale@rangeresources.com</u>   |  |   |
| Address: <u>777 Main St., Ste. 800, Ft. Worth, TX 76102</u>  |  |   |
| Facility or well name: <u>Elliott B Federal #13</u>  | API #: <u>30-025-37785</u>   | U/L or Qtr/Qtr <u>P</u> Sec <u>6</u> T <u>22S</u> R <u>37E</u>  |
| County: <u>Lea</u>   | Latitude <u>32°24'58.28"N</u>  | Longitude <u>103°11'39.38 W</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/> |
| Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>  |  |   |
| <b>Pit</b><br>Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/><br>Workover <input type="checkbox"/> Emergency <input type="checkbox"/><br>Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/><br>Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/><br>Pit Volume <u>6,000</u> bbl | <b>Below-grade tank</b><br>Volume: _____ bbl Type of fluid: _____<br>Construction material: _____<br>Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____ |   |
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)   | Less than 50 feet  | (20 points)   |
|  | 50 feet or more, but less than 100 feet  | (10 points)   |
|  | 100 feet or more   | ( 0 points)   |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)  | Yes  | (20 points)   |
|  | No   | ( 0 points)   |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)  | Less than 200 feet   | (20 points)   |
|  | 200 feet or more, but less than 1000 feet  | (10 points)   |
|  | 1000 feet or more  | ( 0 points)   |
| <b>Ranking Score (Total Points)</b>  |  |   |

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: Pit will also have a felt liner under the synthetic liner.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.

Date: 1/20/2006

Printed Name/Title Paula Hale

Signature 

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:


Printed Name/Title \_\_\_\_\_

Signature \_\_\_\_\_

Date: \_\_\_\_\_

**PETROLEUM ENGINEER**

APR 10 2006

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial Assurance Requirement  
**Attachments:**

**Sent:** Fri 4/7/2006 8:06 AM

All have blanket bonds and none appear on Jane's list.

---

**From:** Mull, Donna, EMNRD  
**Sent:** Friday, April 07, 2006 7:44 AM  
**To:** Phillips, Dorothy, EMNRD  
**Cc:** Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD  
**Subject:** Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK ?

EOG Resources Inc (7377)  
Pogo Producing Co (17891)  
Range Operating New Mexico Inc (227588)  
Harvard Petroleum Corp (10155)  
Yates Petroleum Corp (25575)  
Platinum Exploration Inc (227103)  
Marbob Energy Corp (14049)  
Chevron USA Inc (4323)  
Marathon Oil Co (14021)  
XTO Energy Inc (5380)

Please let me know. Donna