



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

Oil Conservation Division

**December 21, 2005**

**Mack Energy Corporation**  
**P. O. Box 960**  
**Artesia, New Mexico 88211-0960**

**Attention: Jerry Sherrell**  
*jerrys@mackenergycorp.com*

***Administrative Order NSL-5317***

Dear Mr. Sherrell:

Reference is made to the following: (i) your application (***administrative application reference No. pSEM0-534328588***) submitted to the New Mexico Oil Conservation Division ("Division") in Santa Fe, New Mexico on December 8, 2005; and (ii) the Division's records in Santa Fe and Hobbs: all concerning Mack Energy Corporation's ("MEC") request for an exception to Rule 4 of the "*Special Rules and Regulations for the Baish-Wolfcamp Pool*," as promulgated by Division Order No. R-2765, as promulgated by Division Order No. R-2765, issued in Case No. 3097 on September 8, 1964, for an off-pattern non-standard replacement Wolfcamp oil well location within a former standard 80-acre stand-up oil spacing and proration unit comprising the E/2 NW/4 of Section 22, Township 17 South, Range 32 East, NMPM, Baish-Wolfcamp Pool (**4480**), Eddy County, New Mexico.

Your application has been duly filed under the provisions of: (i) Rule 5 of the "*Special Rules and Regulations for the Baish-Wolfcamp Pool*"; (ii) Division Rule 104.F; and (iii) Division Rule 1210.A (2) [formerly Division Rule 1207.A (2), see Division Order No. R-12327-A, issued by the New Mexico Oil Conservation Commission in Case No. 13482 on September 15, 2005].

From the Division's records the discovery well for the Baish-Wolfcamp Pool was located on this 80-acre unit with Continental Oil Company's M. E. Baish "B" Well No. 14 (**API No. 30-025-00637**), later redesignated the Baish "B" Well No. 1, located 660 feet from the North line and 1650 feet from the West line (Unit C) of Section 22 (*see Division Order No. R-2292, issued in Case No. 2601 on July 20, 1962 and made effective August 1, 1962*). This well was initially drilled to a total depth of 13,657 feet in 1960 and later, in 1962, completed in the Wolfcamp interval. This well produced from the Baish-Wolfcamp Pool from May, 1962 to May, 1988. Conoco, Inc. subsequently plugged and abandoned the Baish "B" Well No. 1 in 1991.

The Division's review of its records also indicate that the S/2 SE/4 of Section 21, Township 17 South, Range 32 East, NMPM, Lea County, New Mexico, and the NE/4, E/2 NW/4, SW/4, and the NW/4 SE/4 of Section 22 comprise a single federal lease (*United States Government lease No. LC-029509-B*) in which mineral interests within the Wolfcamp interval is common throughout and MEC is the leasehold operator.

By authority granted me under the provisions of Division Rule 104.F (2) and the applicable provisions of the special pool rules governing the Baish-Wolfcamp Pool, the following described well to be drilled as a replacement oil well within this 80-acre Wolfcamp oil spacing and proration unit at an off-pattern non-standard oil well location is hereby approved:

J. C. Federal Well No. 4  
1650' FNL & 2310' FWL (Unit F).

30-025-37656

Jurisdiction of this cause is retained for the entry of such further orders as the Division deems necessary.

Sincerely,



Mark E. Fesmire, P. E.  
Director

MEF/ms

cc: New Mexico Oil Conservation Division - Hobbs  
U. S. Bureau of Land Management - Carlsbad

ABOVE THIS LINE FOR DIVISION USE ONLY

RECEIVED

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -



DEC 8 - 2005

1220 South St. Francis Drive, Santa Fe, NM 87505

OIL CONSERVATION  
DIVISION

## ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]  
[A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply  
[A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
[B] ☐ Offset Operators, Leaseholders or Surface Owner  
[C] ☐ Application is One Which Requires Published Legal Notice  
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
[F] ☐ Waivers are Attached

- [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

- [4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Jerry W. Sherrell  
Print or Type Name

*Jerry W. Sherrell*  
Signature

Production Clerk  
Title

12/6/2005  
Date

jerrys@mackenergycorp.com  
e-mail Address



P.O. Box 960  
Artesia, NM 88211-0960  
Office (505) 748-1288  
Fax (505) 746-9539

December 6, 2005

Oil Conservation Division  
Attn: Mike Stogner  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Dear Mr. Stogner:

Mack Energy Corporation respectfully requests an administrative approval without notice and hearing of the following unorthodox well location.

The well location and legal description is as follows:

JC Federal #4  
1650 FNL & 2310 FWL  
Sec. 22, T17S R32E  
Lea County, New Mexico

The well will be completed in the Wolfcamp formation in the Baish Wolfcamp Pool.

Attached to this application are the following exhibits.

- A.) Well location and acreage dedication plat (form C-102) filed with the Hobbs office of the Oil Conservation Division (Exhibit A).
- B.) A plat showing the proposed unorthodox locations, the respective proration units, and the offsetting proration units (Exhibit B).

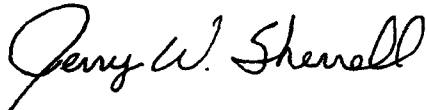
Mack Energy is proposing to drill the JC Federal #4 to a total depth of 10,500'. The acreage dedicated to this well is 80 acres, E/2 of NW/4 Sec. 22 T17S R32E. Mack Energy Corp. also operates the acreage that we are encroaching upon, via an agreement with Conoco Phillips Company and therefore no offset operators need be notified. Due to special pool rules this well should be located no more than 150' from the center of the QQ. There is a plugged and abandoned injection well located in the center of this QQ. To limit problems associated with drilling thru a pressurized zone, this well has been moved 317' unorthodox, but still within the 330' of the outer boundary. Moving the well to the west would be encroaching upon a different lease.

Thank you for your assistance in this matter. If you have any questions, please feel free to call.

Oil Conservation Division  
December 6, 2005  
Page 2

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell". The signature is written in dark ink and is positioned above the printed name and title.

Jerry W. Sherrell  
Production Clerk

JWS/

Enclosures

## DISTRICT I

1625 N. FRENCH DR., BOBBS, 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 87505

Form 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             | Pool Code<br>4480                        | Pool Name<br>Baish;Wolfcamp |
| Property Code<br>25101 | Property Name<br>JC FEDERAL              | Well Number<br>4            |
| OCRID No.<br>013837    | Operator Name<br>MACK ENERGY CORPORATION | Elevation<br>4004'          |

## Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F             | 22      | 17-S     | 32-E  |         | 1650          | NORTH            | 2310          | WEST           | LEA    |

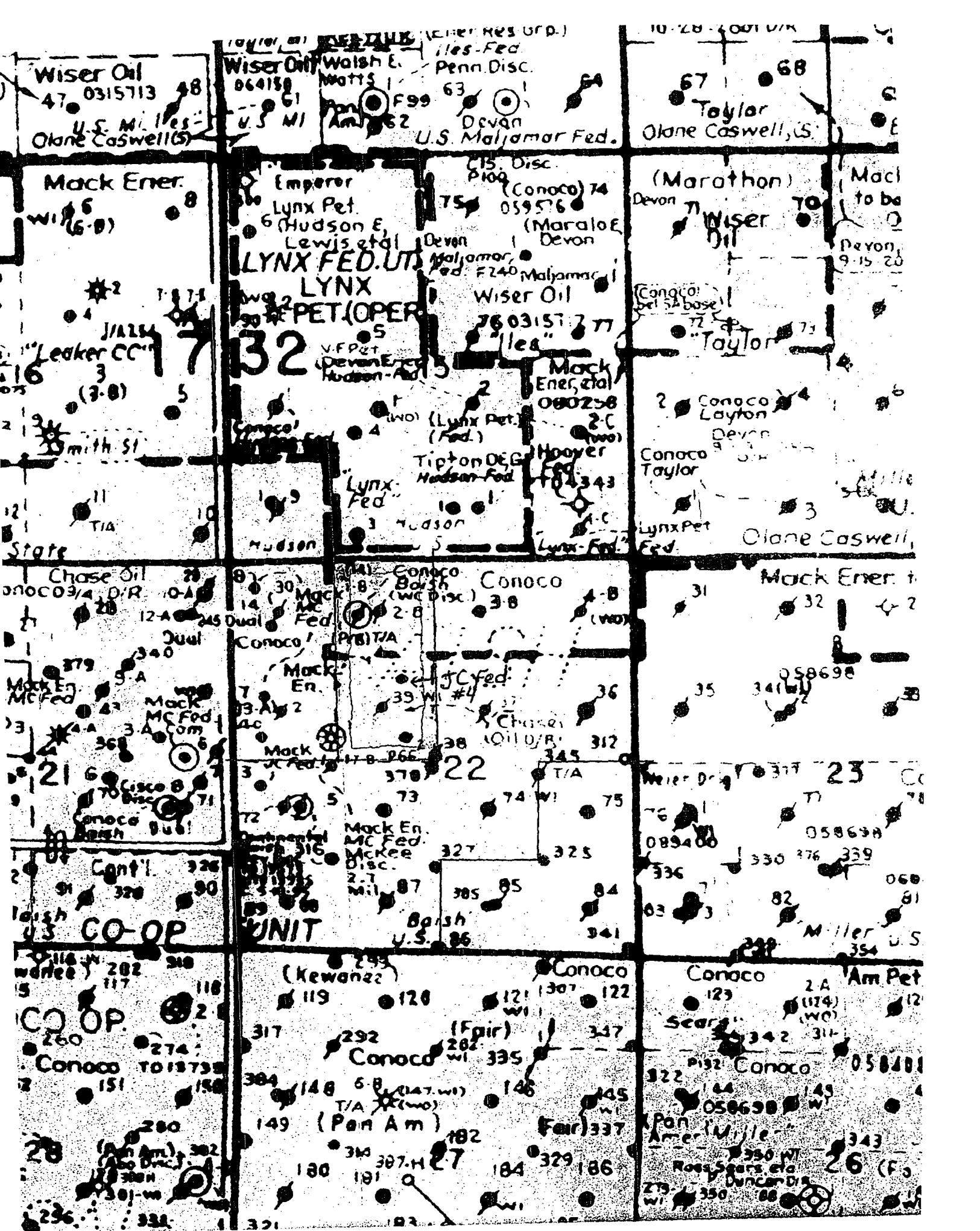
## Bottom Hole Location If Different From Surface

| 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>80 | 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

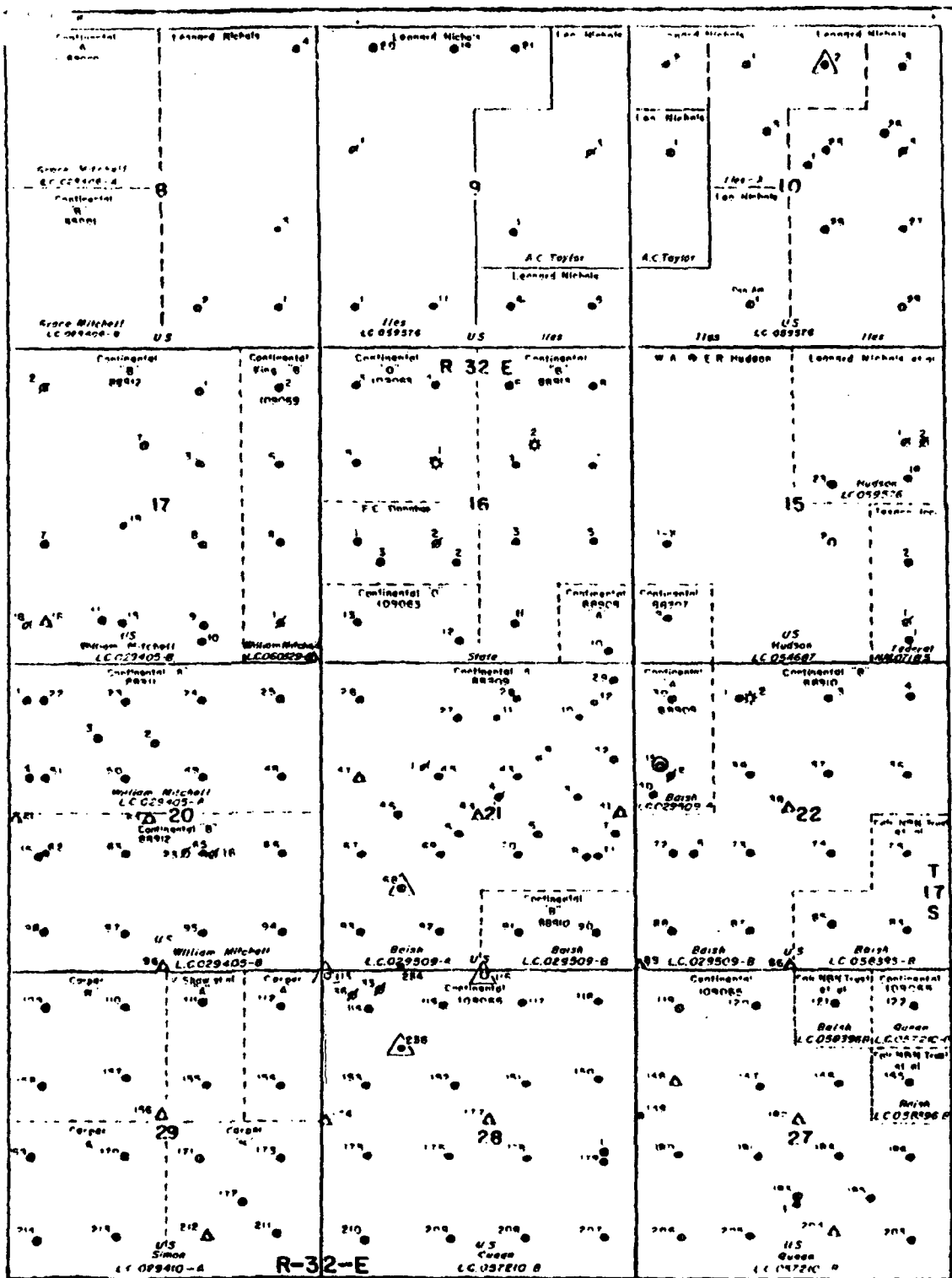
|  |  |
|--|--|
| <p>GEODETIC COORDINATES<br/>NAD 27 NME<br/>Y=663494.9 N<br/>X=677717.8 E<br/>LAT.=32°49'21.71" N<br/>LONG.=103°45'17.35" W</p> | <b>OPERATOR CERTIFICATION</b><br>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature<br>Jerry W. Sherrell<br>Printed Name<br>Production Clerk<br>Title<br>12/1/2005<br>Date  |
|  | <b>SURVEYOR CERTIFICATION</b><br>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.<br>NOVEMBER 09, 2005<br>Date Surveyed JR<br>Signature & Seal of Professional Surveyor<br><br>05.11.1728<br>Certificate No. GARY EDSON 12841<br>RONALD J. EDSON 3239 |

Standard 640-acre Section









CONTINENTAL OIL COMPANY  
 PRODUCTION DEPARTMENT  
 HORRS DISTRICT  
 MALJAMAR POOL AREA  
 Lea County, New Mexico

SCALE  
 0 1000 2000