

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street Artesia, NM 88210-1404  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number
		013837
		API Number
		30-015-33166
Property Code	Property Name	Well No.
33009	Red Lake Sand Unit	40

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	17S	28E		990	North	330	West	Eddy

**Proposed 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
Proposed Pool 1					Proposed Pool 2				
Wildcat, Grayburg									

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	O	R	S	3616
Multiple	Proposed Depth	Formation	Contractor	Spud Date
No	2100	Grayburg	L & M	1/12/2004

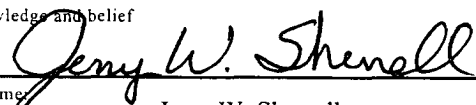
**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	48	350'	Circulated	Surface
7 7/8	5 1/2	17	2100'	Sufficient to Circ	Surface

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mack Energy Corporation proposes to drill to 350', run 8 5/8" casing and cement. Drill to 2100' and test Grayburg Zone, run 5 1/2" casing and cement. Put well on production.

Note: On Production string, a fluid caliber will be run and will figure cement with 25% excess, attempt to circulate.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief		<b>OIL CONSERVATION DIVISION</b>	
Signature 		Approval by: <b>ORIGINAL SIGNED BY TIM W. GUM</b>	
Printed name: Jerry W. Sherrell		Title: <b>DISTRICT II SUPERVISOR</b>	
Title: Production Clerk		Approval Date: <b>JAN 12 2004</b>	Expiration Date: <b>JAN 12 2005</b>
Date: 1/9/2004	Phone: (505)748-1288	Conditions of Approval: Attached <input type="checkbox"/>	

## DISTRICT I

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

## DISTRICT II

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

## DISTRICT III

1000 Rio Grasso Rd., Aztec, NM 87410

## DISTRICT IV

P.O. Box 2088, Santa Fe, N.M. 87504-2088

## State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name Grayburg
Property Code 33009	Property Name RED LAKE SAND UNIT STATE	Well Number 40
GRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 3616

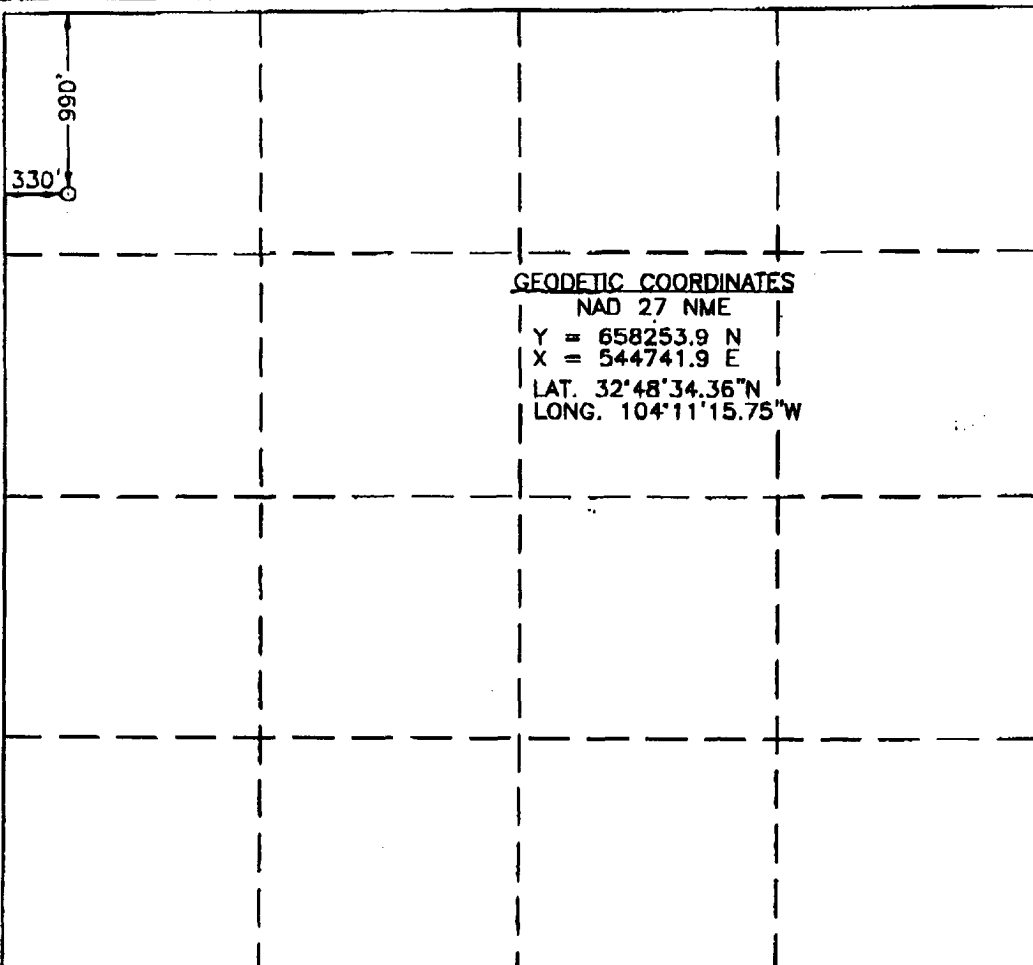


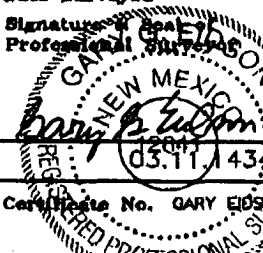
## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	17-S	28-E		990	NORTH	330	WEST	EDDY

## 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 40	Joint or Infill	Consolidation Code	Order No.						

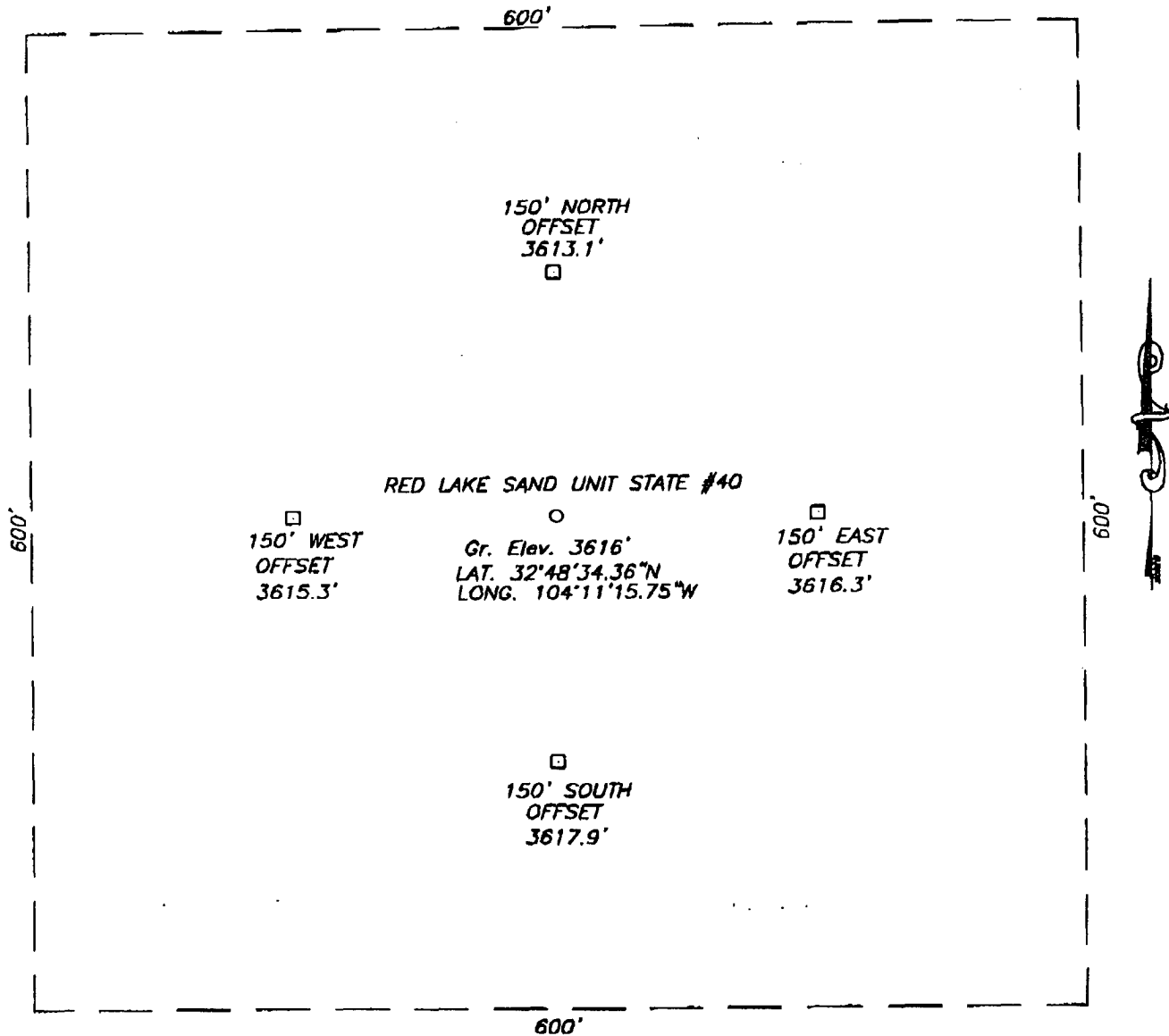
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<b>GEODETIC COORDINATES</b> NAD 27 NME Y = 658253.9 N X = 544741.9 E LAT. 32°48'34.36"N LONG. 104°11'15.75"W
	<b>OPERATOR CERTIFICATION</b> I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.  Signature Jerry W. Sherrell Printed Name Production Clerk Title 1/9/2004 Date
	<b>SURVEYOR CERTIFICATION</b> 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. January 05, 2004 Date Surveyed Signature  Professional Surveyor GARY E. EASON NEW MEXICO 12641 Cert. No.
	

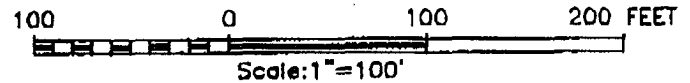
**SECTION 28, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,**

EDDY COUNTY,

NEW MEXICO.

**DIRECTIONS TO LOCATION:**

FROM MILE MARKER 120 ON U.S. HWY #82  
(APPROXIMATELY 11.0 MILES WEST OF LOCO HILLS) GO  
WEST 200' TO CATTLE GUARD ON THE NORTH SIDE OF  
HWY. TURN RIGHT (NORTH) AND GO 0.8 MILES.  
LOCATION IS 500' TO THE EAST.

**MACK ENERGY CORPORATION**

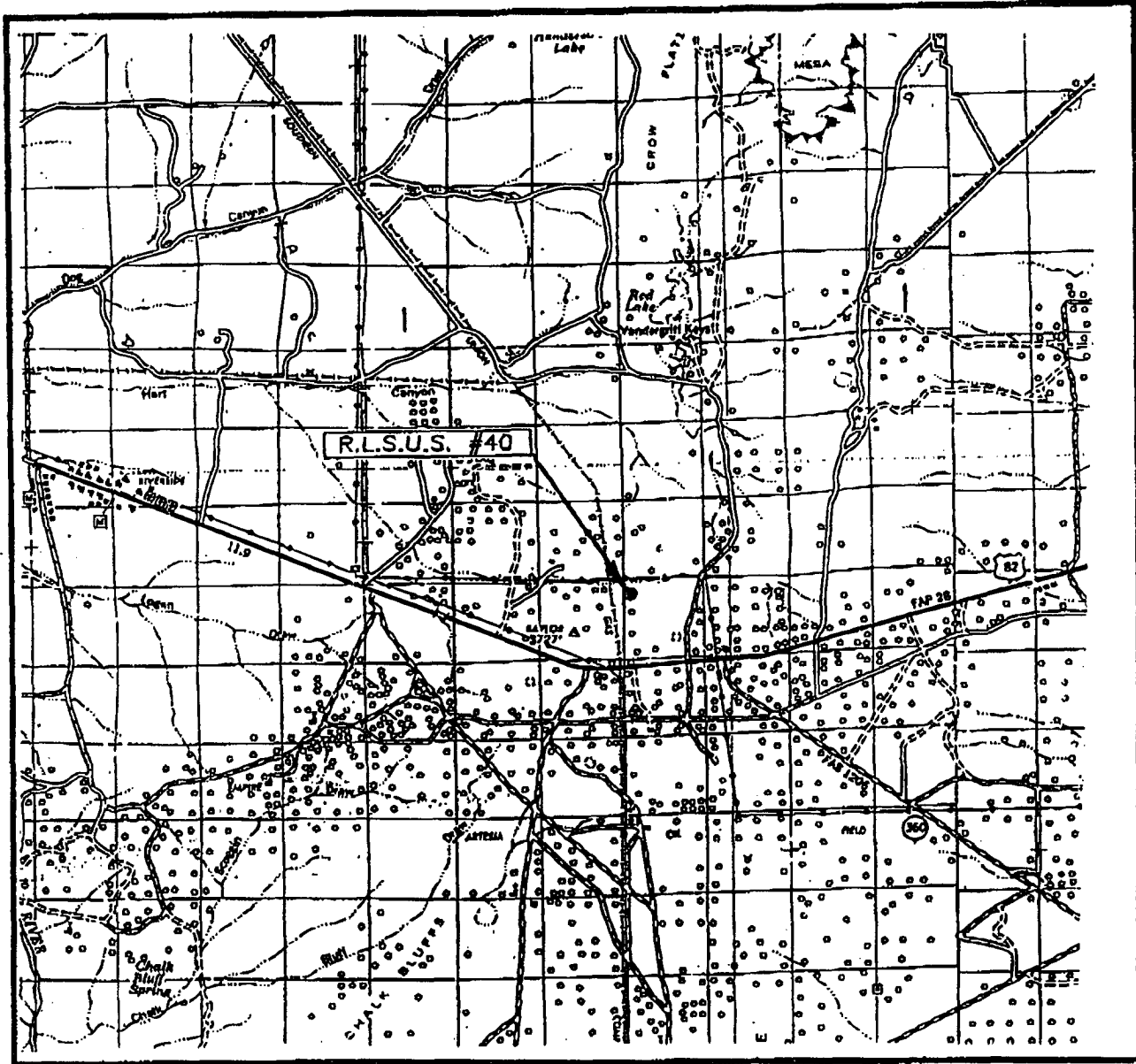
THE RED LAKE SAND UNIT STATE #40 LOCATED  
990' FROM THE NORTH LINE AND 330' FROM THE WEST LINE  
OF SECTION 28, TOWNSHIP 17 SOUTH, RANGE 28 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 01/05/04	Sheet 1 of 1 Sheets
W.O. Number: 03.11.1434	DRAWN BY: A.W.B
Date: 01/08/04	DISK: CD#10
MACK #1434	Scale: 1"=100'

**JOHN WEST SURVEYING COMPANY**

412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117

# VICINITY MAP

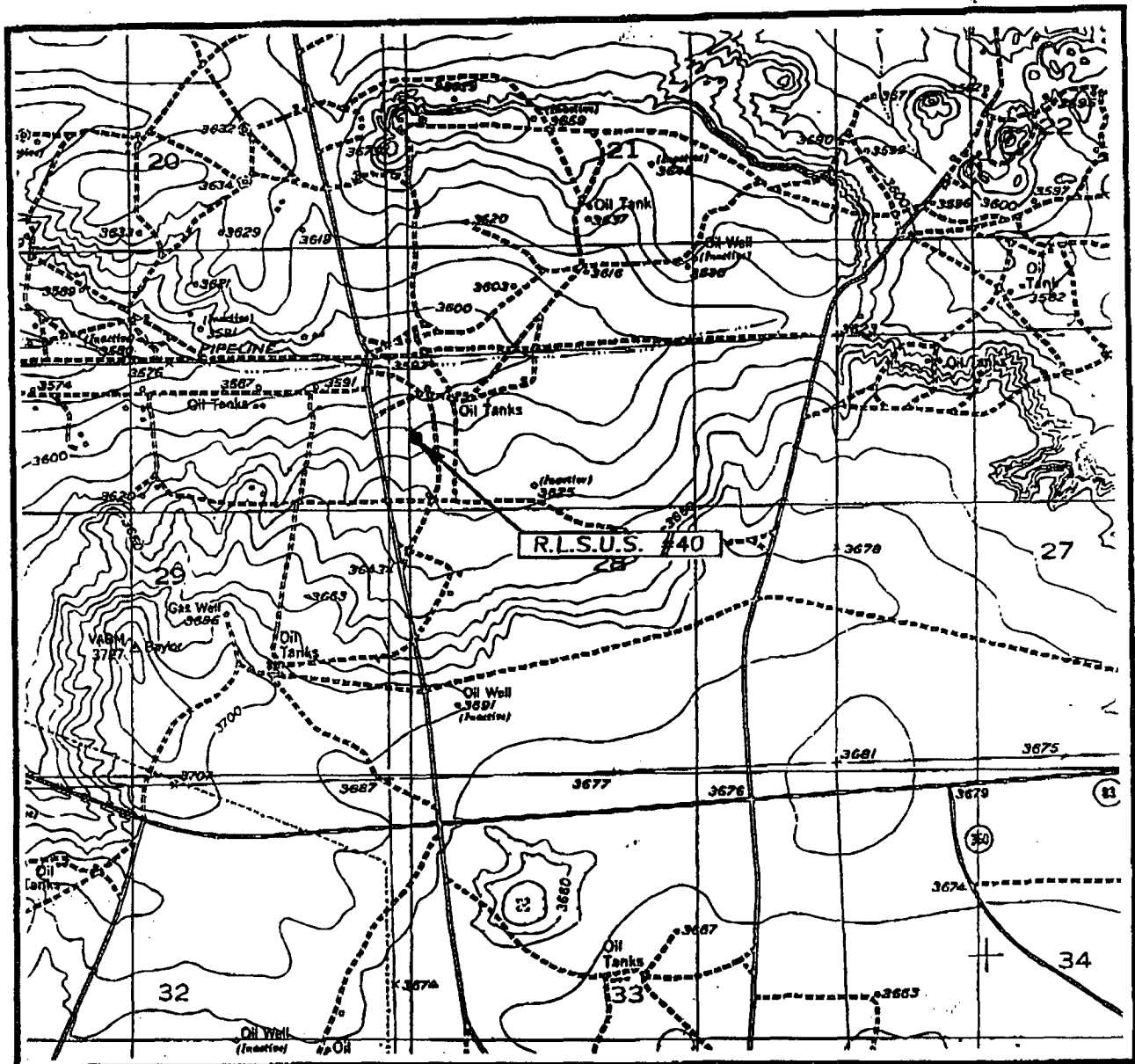


SCALE: 1" = 2 MILES

SEC. 28 TWP. 17-S RGE. 28-ESURVEY N.M.P.M.COUNTY EDDYDESCRIPTION 990' FNL & 330' FWLELEVATION 3616'OPERATOR MAC K ENERGY CORPORATIONLEASE RED LAKE SAND UNIT STATE

**JOHN WEST SURVEYING**  
**HOBBS, NEW MEXICO**  
**(505) 393-3117**

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'  
RED LAKE, N.M.

SEC. 28 TWP. 17-S RGE. 28-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 990' FNL &amp; 330' FWL

ELEVATION 3616'

OPERATOR MACK ENERGY CORPORATION

LEASE RED LAKE SAND UNIT STATE

U.S.G.S. TOPOGRAPHIC MAP

RED LAKE, N.M.

**JOHN WEST SURVEYING**  
**HOBBS, NEW MEXICO**  
**(505) 393-3117**