

N.M. OIL CONS. COMMISSION
UNITED STATES
P.O. BOX 1990
DEPARTMENT OF THE INTERIOR
HOBBS, NEW MEXICO 88240
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

(Other instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-86927	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Meridian Oil Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 51810, MIDLAND, TX 79710 915-688-6943			8. FARM OR LEASE NAME Little Jack "30" Fed.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 990' FEL At proposed prod. zone			9. WELL NO. 6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 34.8 miles West From Jal			10. FIELD AND POOL, OR WILDCAT South Sand Dunes BSpr	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 990'		16. NO. OF ACRES IN LEASE 240	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30, T23S, R32E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'		19. PROPOSED DEPTH 9000'	12. COUNTY OR PARISH Lea	
21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) 3639'		17. NO OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM
20. ROTARY OR CABLE TOOLS Rotary			22. APPROX. DATE WORK WILL START Upon Approval	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8", H-40	48#	600'	550 sxs-surf.
12 1/4"	8 5/8", K-55	28&32#	4500'	1800 sxs-surf.
7 7/8"	5 1/2", K-55	17#	9000'	950 sxs-4300' TOC

No H2S Restrictions as per John Simitz - Roswell/BLM
No Prairie Chicken Restrictions
Not in Designated Potash Area

Lease Description : SE/4 & S2 NE/4 of Sec. 30, T23S, R32E,
240 acre lease

Contact Person: Donna Williams, 915-688-6943

OPER. GRID NO. 26485
PROPERTY NO. 1523
POOL CODE 53805
EFF. DATE 5/26/94
API NO. 20-025-32542

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. [Signature] TITLE Production Assistant DATE 5/11/94
(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: _____
APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVED BY _____ TITLE _____ DATE 5/26/94

*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

JUN 10 1994

OFFICE

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
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-102
Revised February 10, 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

API Number 30-025-30542		Pool Code 53805	Pool Name South Sand Dune Bone Spring
Property Code 13208 15123	Property Name LITTLE JACK 30 FEDERAL		Well Number 6
OGRID No. 26485	Operator Name MERIDIAN OIL INC.		Elevation 3639

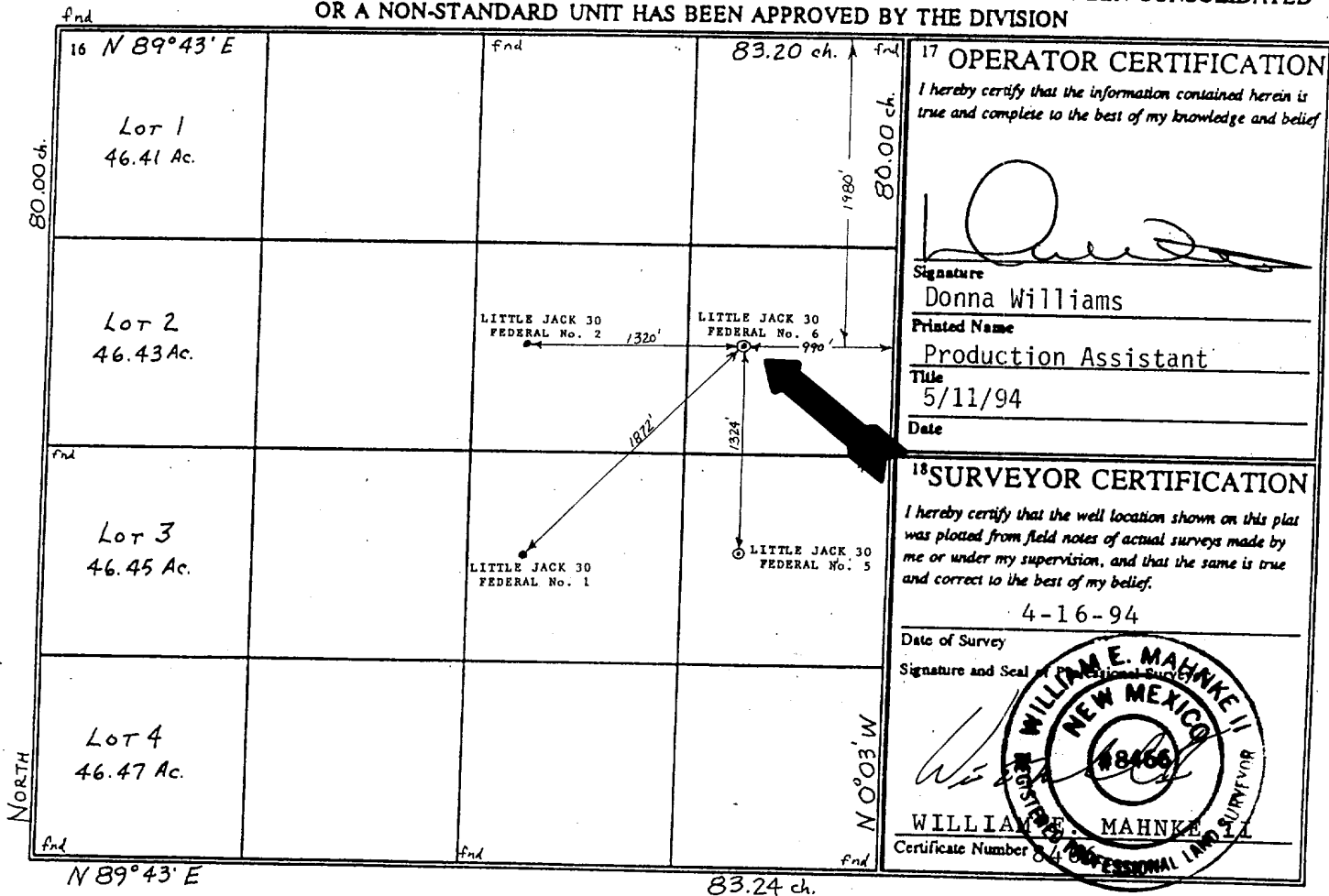
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	30	23 S	32 E		1980	NORTH	990	EAST	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
Same as Surface									
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



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U.S. AIR FORCE
OFFICE

OPERATORS NAME:	<u>Meridian Oil Inc.</u>
LEASE NAME AND WELL NO.:	<u>Little Jack '30' Federal No. 6</u>
LOCATION:	<u>1980' FNL & 990' FEL, Sec. 30, T23S, R32E</u>
FIELD NAME:	<u>South Sand Dunes Bone Spring</u>
COUNTY:	<u>Lea County, NM</u>
LEASE NUMBER:	<u>NM-86927</u>

The following information is to supplement BLM form 3160-3 Application for permit to deepen 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	1025
Salado	1245'
Delaware	4560
BoneSpring	8550'

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	4560-	(Oil)
Bone Springs	8550-9000'	(Oil)

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.

13 5/8" 1.5M psi WP BOP w/rotating head to be installed on the 13 3/8" casing. Tested to 750 psi before drilling the 13 3/8" casing shoe.

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11" 3M psi WP BOP to be installed on the 8 5/8" casing. The BOP stack will consist of one blind ram BOP, one pipe ram BOP, and a rotating head. Tested to 3000 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.

- 17½" hole, 13 3/8" H-40 48# STC csg set @ 600'.
- 12¼" hole, 8 5/8" 28#/32# K-55 BTC csg set @ 4500'.**
- 7 7/8" hole, 5½", K-55 & N-80 17# LTC csg. set @9000'.

** 8 5/8" 28# K-55 BTC - ID=8.017", Drift=7.892", Burst=3390 psi, Collapse=1880 psi, & Tension=437000 lbs.

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. 13 3/8" csg: Cmt w/350 sxs. Class "C" + 4% gel & 2% CaCl₂ ; tail w/ 200 sxs Class "C" +2% CaCl₂. Circ to Surface.
- b. 8 5/8" csg: Cmt w/1500 sxs 'C' Lite, tail w/300 sxs 'C' + 2% CaCl₂.
- c. 5½" csg: cmt first stage w/450 sxs Class 'H' 50/50 Poz + 2% gel + .6% Halad-9 + 3 pps KCL + 1/4 pps Flocele. Cmt second stage: 400 sxs Class 'H' Lite + .4% Halad-9 and tail w/100 sxs Class 'H'. Bring TOC to +/- 4300'.

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:

0-600' fresh water, gel and lime system, MW 8.6 - 9.0

600-4500' Brine, MW 10.0 - 10.1

4500-8800' fresh water, MW 8.5-8.7

8800-9000' fresh water/Drispac, MW 8.6-8.9

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: Two-man unit 4600' to TD.

d. Logs to be run: CNL-LDT/CAL/GR - TD-4500
DIL/GR: TD-ICP
CNL/GR - 4500'-Surface

8. 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.

No abnormal pressures are anticipated. Bottom hole pressures at TD expected to be 4000 psi. Bottom hole temperature 140° F. No Hydrogen Sulfide expected in this known drilling area.

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 from surface to TD.

12-POINT SURFACE USE PLAN OF OPERATIONS

1. **Existing Roads:** A legible map (USGS topographic, county road, or other such map) labeled and showing the access route to the location, shall be used for locating the proposed well site in relation to a town, village, or other locatable point, such as a highway or county road. All access roads shall be appropriately labeled. Any plans for improvement and/or maintenance of existing roads shall be provided. All roads shall be provided. All roads shall be improved or maintained in a condition the same as or better than before operations. The information provided for use and construction of roads will also be used by BLM for the required Plan of Development for a R/W application as described in Section II C of this Order No. 1.

See Exhibits "A" - topographic land surveyors plat showing existing roads and directions to well site.

2. **Access Roads to be Constructed or Reconstructed:** All permanent and temporary access roads to be constructed or reconstructed in connection with the drilling of the proposed well shall be appropriately identified and submitted on a map or plat. The proposed route to the proposed drill site shall be shown, including distances from the point where the access route exists established roads. All permanent and temporary access roads shall be located and designed to implement the goals of transportation planning and meet applicable standards of the appropriate SMA, and shall be consistent with the needs of the users. Final selection of the route location may be accepted by the SMA as early as the predrill inspection or during approval of the APD.

See Exhibit "B" plat for road to be constructed and description.

3. **Location of Existing Wells:** This information shall be submitted on a map or plat, which includes all recorded wells (water, injection, or disposal, producing, or being drilled) within a 1-mile radius of the proposed location.

See Exhibit "C" - portion of land map showing surrounding wells in area.

4. **Location of existing and/or proposed production facilities:** For facilities planned either on or off the well pad, a plat or diagram shall be included showing, to the extent known or anticipated, the location of all production facilities and lines to be installed if the well is successfully completed for production. If new construction is planned, the dimensions of the facility layouts are to be shown. This information for off-pad production facilities may be used by BLM for R/W application information as specified in Section II C of Order No. 1.

Will be laying a line - 2 7/8" steel above ground. It will be +/- 2100' heading west/southwest to the existing tank battery located in Sec. 30, T23S, R32E in Lea County, New Mexico at the Little Jack 30 Federal # 1 well site, 1980' FSL & 2310' FEL on Federal Lease: NM 86927. See Exhibit 'D'.

5. **Location of Types of Water Supply:** Information concerning water supply, such as rivers, creeks, springs, lakes, ponds, and wells, may be shown by quarter-quarter section on a map or plat, or may be described in writing. The source and transportation method for all water to be used in drilling the proposed well shall be noted if the source is located on Federal or Indian Lands or if water is to be used from a Federal or Indian project. If the water is obtained from other than Federal or Indian lands, the location and transportation method shall be identified. Any access roads crossing Federal or Indian lands that are needed to haul the water shall be described as provided in paragraphs (1) and (2) of this Section. If a water supply well is to be drilled on the lease, the APD shall so state. The authorized officer of BLM may require the filing of a separate APD of a water well.

No available surface or sub-surface fresh water exists in the vicinity of the proposed well. Drilling water will be transported or pumped to the drill site from the nearest commercial source.

6. **Construction Materials:** The operator shall state the character and intended use of all construction material, such as sand, gravel, stone, and soil material. If the materials to be used are Federally owned, the proposed source shall be shown either on a quarter-quarter section on a map or plat, or in a written description.

Will try to use Caliche from reserve pit. If unable to use Caliche from reserve pit, then will get Caliche from nearest BLM approved Caliche pit.

7. **Methods of Handling Waste Disposal:** A written description of the methods and locations proposed for safe containment and disposal of each type of waste material (e.g. cuttings, garbage, salts, chemicals, sewage, etc.) that results from the drilling and completion of the proposed well shall be provided.

- Drill cuttings - disposed into drilling pits.
- Drill fluids - allowed to evaporate in drill pits until pits dry.
- Produced water during testing - drill pits.
- Produced oil during testing - storage tank until sold.
- Current laws and regulations pertaining to disposal of human waste will be observed.
- Reserve pit will be plastic lined.
- Waste paper, garbage, and junk will be disposed of into a special container on location and removed regularly to an approved landfill site. All waste material will be covered with a screen or lid and contained to prevent scattering by wind.
- All trash and debris will be removed from well site within 30 days after drilling and/or completion operations are finished.

8. **Ancillary Facilities:** All ancillary facilities such as camps and airstrips shall be identified on a map or plat. Information as to location, land area required, and methods to be used in construction shall also be provided.

None

9. **Well Site Layout:** A plat of suitable scale (not less than 1 inch = 50 feet) showing the proposed drill pad, reserve pit location, access road entry points, and its approximate location with respect to topographic features, along with cross section diagrams of the drill pad and the reserve pit showing all cuts and fills and the relation to topography. The plat shall also include the approximate proposed location and orientation of the drilling rig, dikes and ditches to be constructed, and topsoil and/or spoil material stockpiles.

See Exhibit "E"

10. **Plans for Reclamation of the Surface:** A proposed interim plan for reclamation stabilization of the site and also final reclamation plan shall be provided. The interim portion of the plan shall cover areas of the drillpad not needed for production. The final portion of the plan shall cover final abandonment of the well. The plan shall include, as appropriate, configuration of the reshaped topography, drainage systems, segregation of spoil materials, surface manipulations, redistribution of topsoil, soil treatments, revegetation, and any other practices necessary to reclaim all disturbed areas, including any access roads and pipelines. An estimate of the time for commencement and completion of reclamation operations, including consideration of weather conditions and other local uses of the area, shall be provided.

- After completion of drilling and/or completion of operations, all equipment and other material not needed for operations will be removed. Pits will be filled and locations cleaned of trash and junk to leave well in as aesthetically pleasing a condition as possible.
- Any unguarded pits containing fluids will be fenced until filled.
- After abandonment of well, surface restoration will be in accordance with the Bureau of Land Management Surface Requirements.

11. **Surface Ownership:** The surface ownership (Federal, Indian, State or private) and administration (BLM, FS, BIA, Department of Defense, etc.) at the well location, and of all lands crossed by roads which are to be constructed or upgraded, shall be indicated. Where the surface of the proposed well site is privately owned, the operator shall provide the name, address and telephone number of the surface owner.

Bureau of Land Management
P.O. Box 1778
Carlsbad, NM 88227

12. **Other Information:** Type of bond. The operator shall be covered by a bond in its own name as principal, or by a bond in the name of the lessee or sublessee.

Meridian Oil Inc. is covered by statewide bond.

Operator's Representatives:

Field representatives (Responsible for compliance with approved surface use operations plan.)

Meridian Oil Inc.
P.O. Box 837
Hobbs, NM 88240
Office: 505-393-5844

Mr. Ed Jackson, Drilling Foreman
Loco Hills, NM
Home: 505-677-2323
Mobil: 505-365-7206

Jim Kramer, - Sr. Drilling Eng.
P.O. Box 51810
Midland, TX 79710-1810
Office: 915-688-6843
Home: 915-694-2499

Gary Brink, Drilling Superintendent
P.O. Box 51810.
Midland, TX 79710-1810
Office: 915-688-6842
Home: 915-697-6400

OPERATORS CERTIFICATION

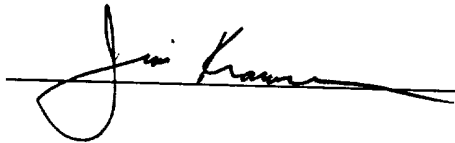
I hereby certify that I, **Jim Kramer, Sr. Drilling Engineer**, under my direct supervision, have inspected the proposed drill site and access route that I am familiar with the conditions that currently exist; that the statements made in the APD package are, to the best of my knowledge, true and correct, 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.

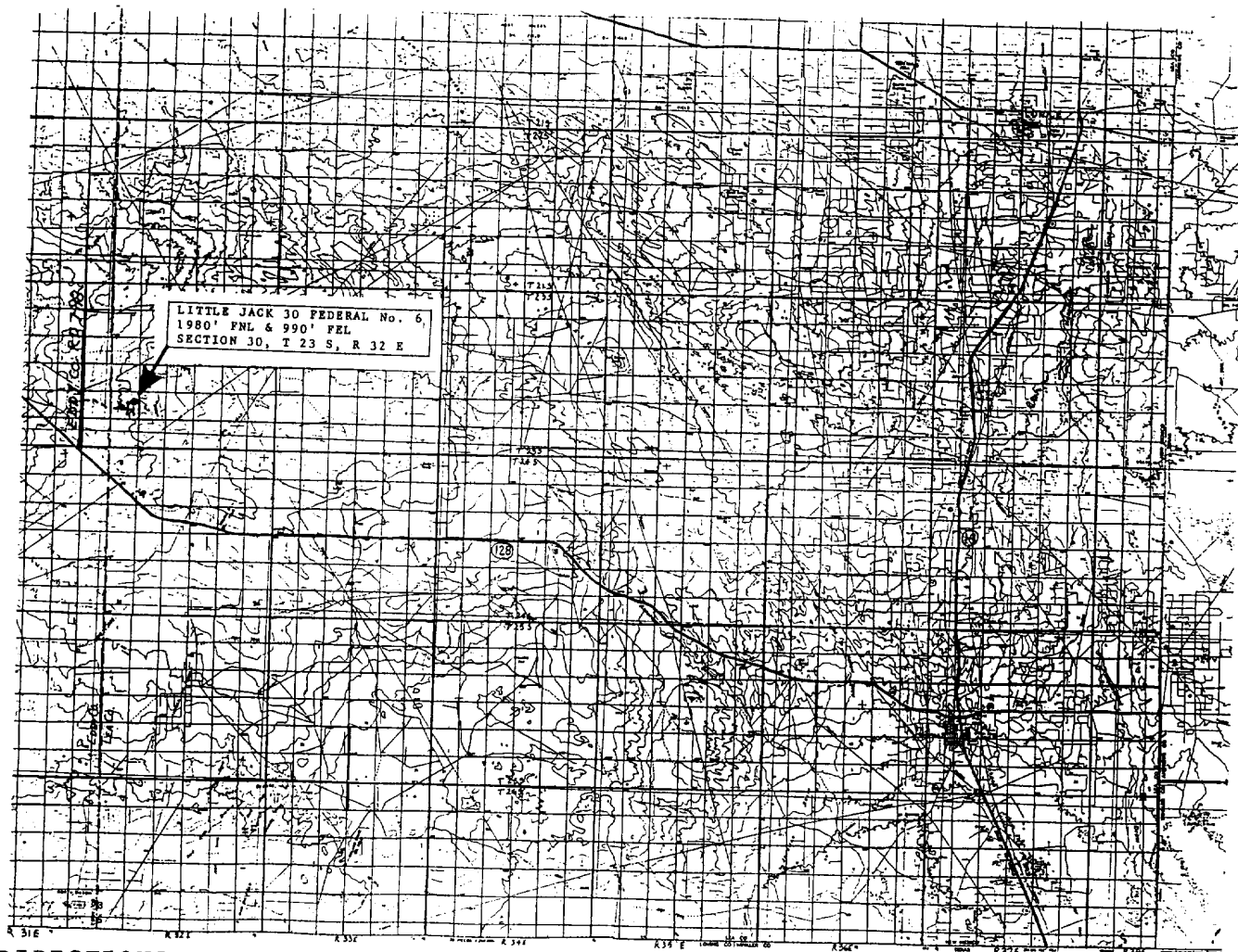
DATE:

4-14-94

NAME AND TITLE: Jim Kramer, Sr. Drilling Engineer

SIGNATURE:





DIRECTIONS:

FROM THE INTERSECTION OF NEW MEXICO HIGHWAY 128 AND NEW MEXICO HIGHWAY 18 IN JAL, NEW MEXICO, GO WEST ON N.M. HWY 128 AND GO 34.8 MILES, THEN TURN RIGHT ON TO EDDY COUNTY ROAD 798 ("RED ROAD") AND GO 1.7 MILES, THEN TURN RIGHT ON TO EXISTING LEASE ROAD AND GO 1.6 MILES, THEN TURN LEFT AND GO 0.25 MILES, THEN TURN RIGHT ON TO A PROPOSED NEW ROAD AND GO 0.25 MILES TO LOCATION.

- PAVED HIGHWAY
- EXISTING ROAD
- - - - - PROPOSED NEW ROAD

EXHIBIT
'A'



Laughlin-Simmons
of Texas
MIDLAND DISTRICT OFFICE
(915) 699-1238
(915) 699-8706
In State Toll Free:
1-800-242-3028

P.O. BOX 1757
MIDLAND, TX 79702

MERIDIAN OIL INC.
LITTLE JACK 30 FEDERAL No. 6

ROAD MAP AND DIRECTIONS

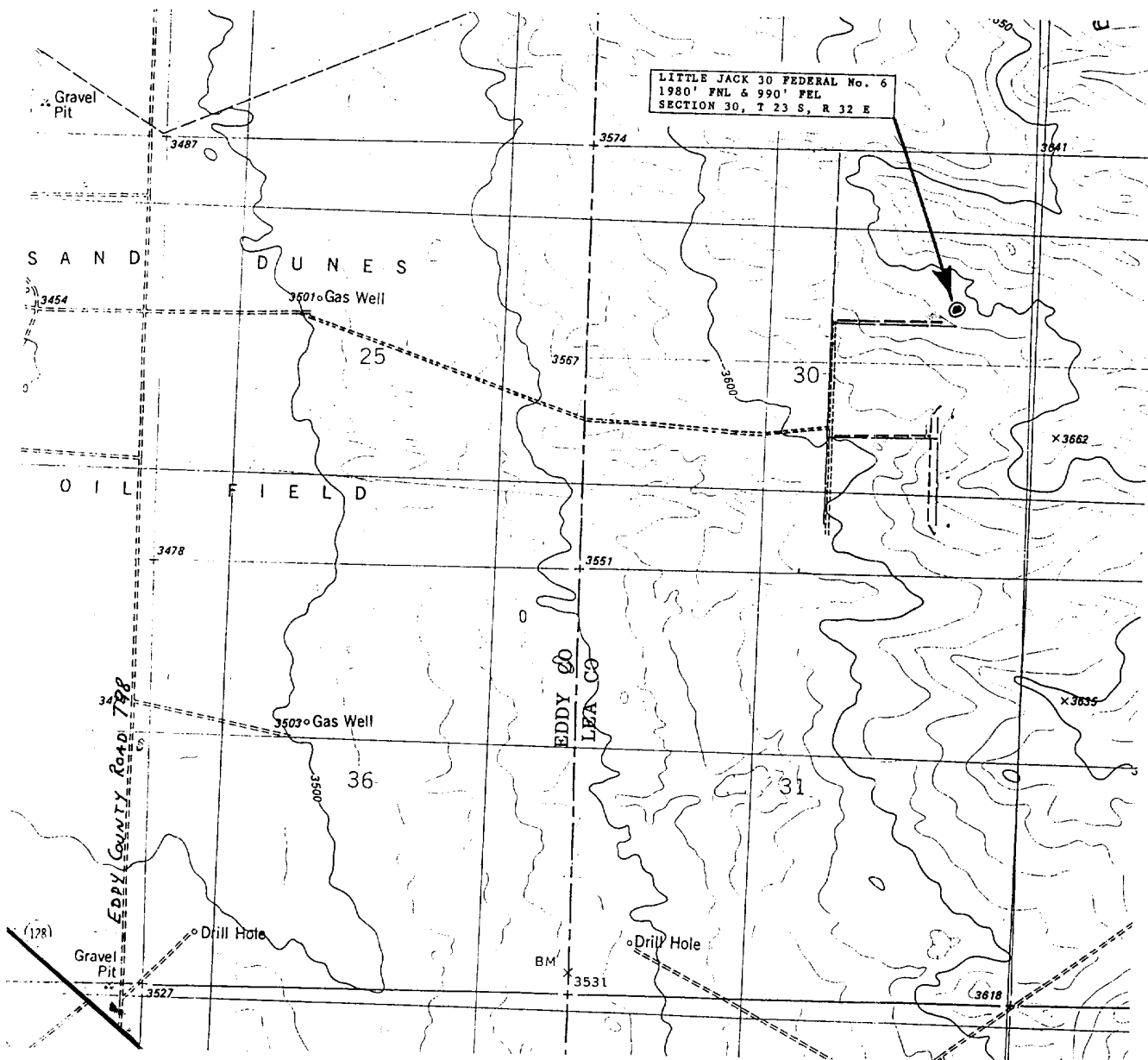
LEA COUNTY, NEW MEXICO

date: 4-27-94

scale:

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RECEIVED
RECEIVED



- PAVED HIGHWAY
 ===== EXISTING ROAD
 - - - - - PROPOSED NEW ROAD
 ———— PROPOSED POWER LINE

EXHIBIT
'B'



Laughlin-Simmons
 of Texas
 MIDLAND DISTRICT OFFICE
 (915) 699-1238
 (915) 699-8706
 In State Toll Free:
 1-800-242-3028

P.O. BOX 1757
 MIDLAND, TX 79702

MERIDIAN OIL INC.
 LITTLE JACK 30 FEDERAL No. 6

PROPOSED ACCESS

LEA COUNTY, NEW MEXICO

date: 4-27-94

scale: 1" = 2000'

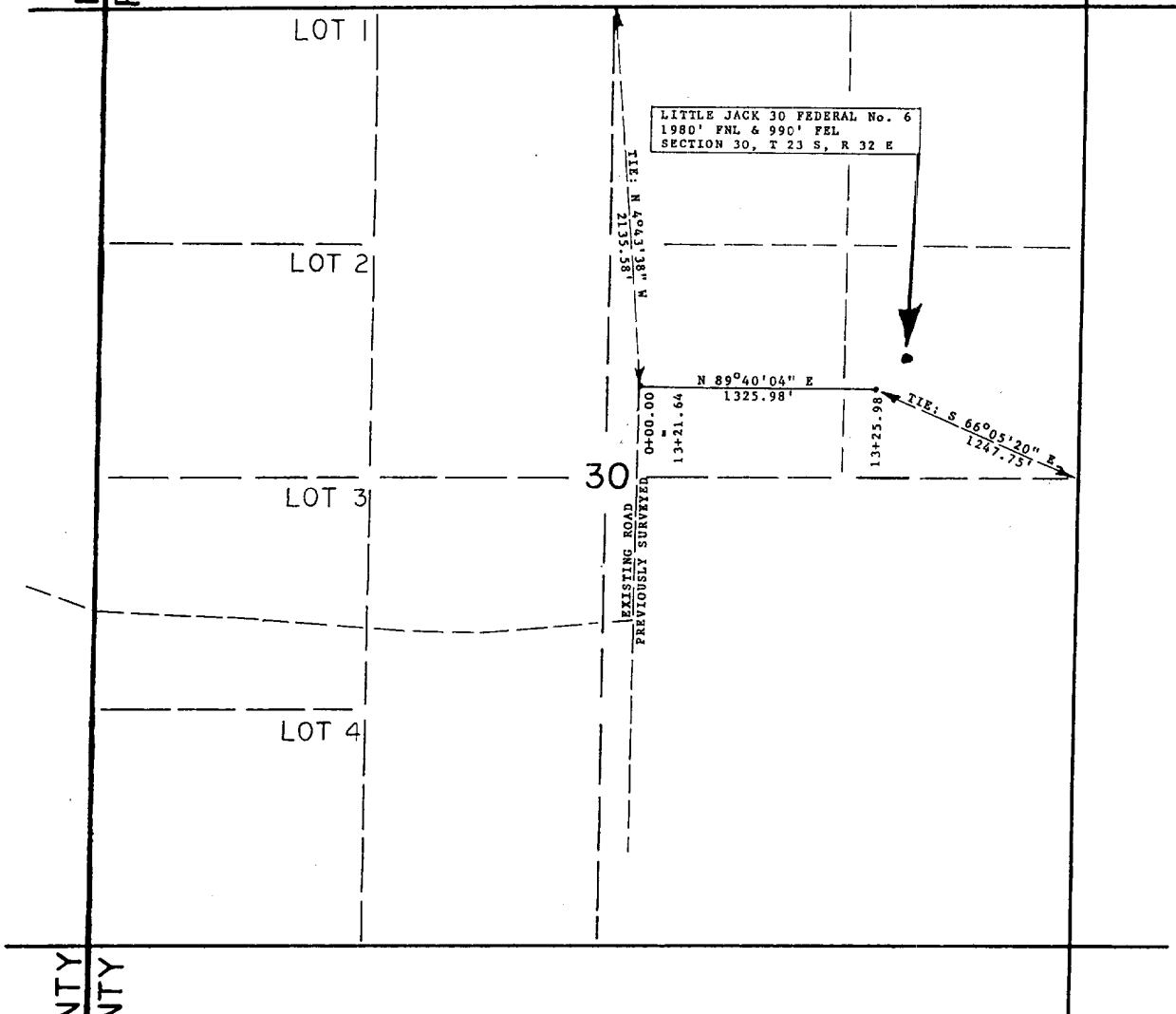
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NOV 19 1961

STANDARD
OFFICE

R 31 E
R 32 E

T 23 S



EDDY COUNTY
LEA COUNTY

LEGAL DESCRIPTION:

A RIGHT OF WAY FOR A PROPOSED ROAD LOCATED IN SECTION 30, TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM, LEA COUNTY, NEW MEXICO, SAID RIGHT OF WAY BEING FIFTY FEET WIDE AND BEING TWENTY FIVE FEET ON EITHER SIDE OF THE SURVEY CENTERLINE MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A STEEL SPIKE SET IN THE CENTER OF AN EXISTING ROAD, AT STATION 13+21.64 OF A SURVEY PREVIOUSLY MADE FOR SAID ROAD, FOR STATION 0+00.00 OF THIS SURVEY, AND FROM WHICH THE NORTH QUARTER CORNER OF SAID SECTION 30 BEARS N 4°43'38" W, 2135.58 FEET;

THENCE N 89°40'04" E, 1325.98 FEET TO POINT OF TERMINATION OF THE HEREIN DESCRIBED SURVEY CENTERLINE AT SURVEY STATION 13+25.98, AND FROM WHICH THE EAST QUARTER CORNER OF SAID SECTION 30 BEARS S 66°05'20" E, 1247.75 FEET;

SAID RIGHT OF WAY BEING 1325.98 FEET OR 80.36 RODS OR 0.25 MILES IN LENGTH, SUCH LENGTH BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 of NE/4	SECTION 30 - 69.47 RODS
SE/4 of NE/4	SECTION 30 - 10.89 RODS
TOTAL - 80.36 RODS	

NOTE:

PROPOSED NEW ROAD:
FROM: 0+00.00
TO: 13+25.98
TOTAL: 1325.98 LF.

I hereby certify this plat to be correct to the best of my knowledge.



Laughlin-Simmons

of Texas
MIDLAND DISTRICT OFFICE
(915) 699-1238
(915) 699-8706
In State Toll Free:
1-800-242-3028

P.O. BOX 1757
MIDLAND, TX 79702



By: WILLIAM E. MAHNKE II, PLS #8466

NOTE - BASIS OF BEARINGS

BEARINGS FOR THIS SURVEY ARE BASED ON THE LINE BETWEEN A BRASS CAP FOUND FOR THE SOUTH WEST CORNER OF SECTION 30 AND A BRASS CAP FOUND FOR THE WEST QUARTER CORNER OF SAID SECTION 30, T 23 S, R 32 E, NMPM, THE LINE IS ASSUMED TO BEAR NORTH, 2638.91 FEET.

MERIDIAN OIL INC.

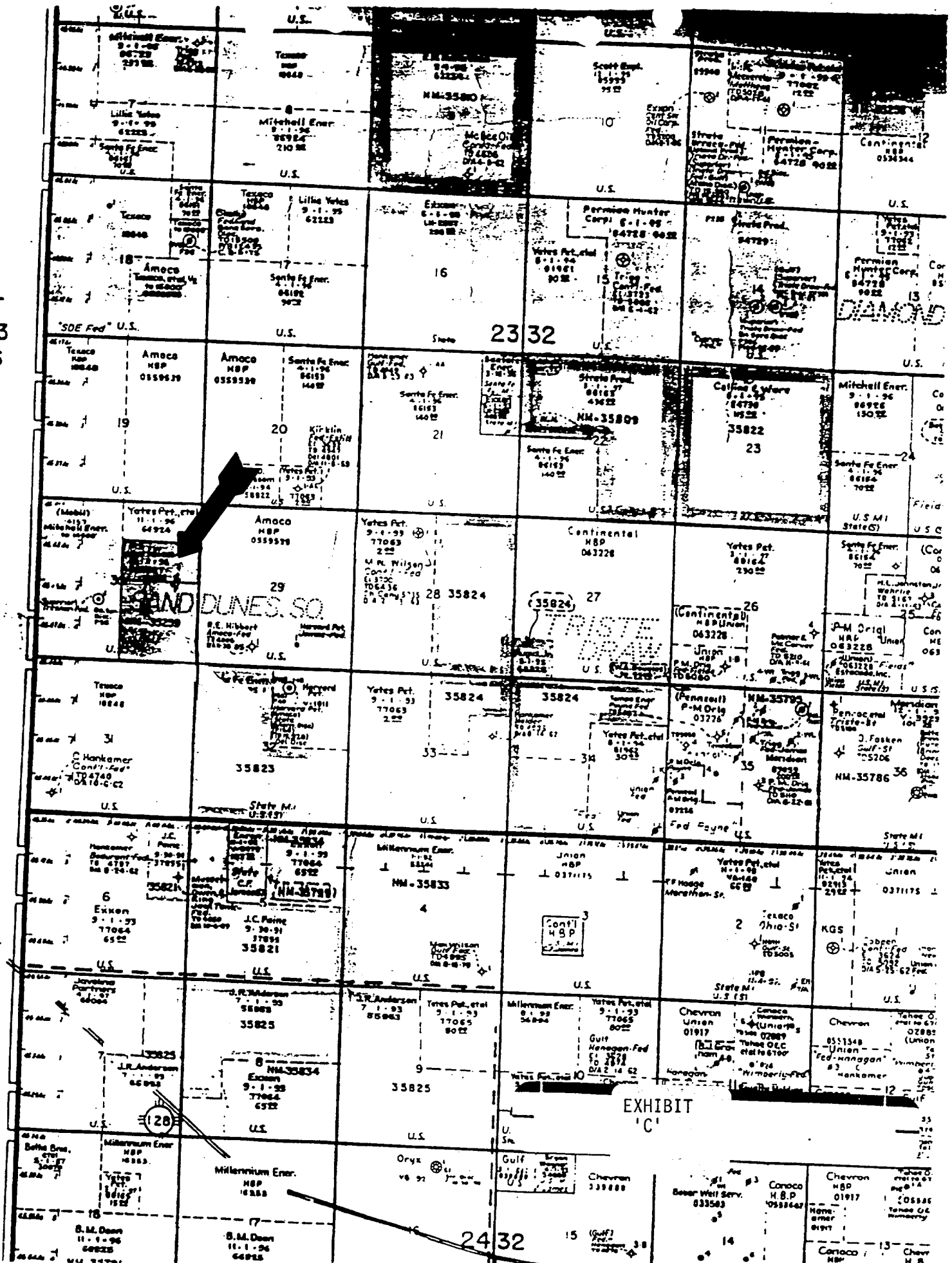
LITTLE JACK 30 FEDERAL No. 6

PROPOSED ROAD RIGHT OF WAY

LEA COUNTY, NEW MEXICO

date: 4-27-94

scale: 1"=1000'



R 31 E
R 32 E

T 23 S



EDDY COUNTY
LEA COUNTY

LOT 1

LOT 2

LOT 3

LOT 4

30

LITTLE JACK 30 FEDERAL No. 6
1980' FNL & 990' FEL
SECTION 30, T 23 S, R 32 E

LITTLE JACK 30 FEDERAL No. 1
1980' FSL & 2310' FEL
SECTION 30, T 23 S, R 32 E

LEGAL DESCRIPTION:

AN EASEMENT FOR A PROPOSED FLOWLINE LOCATED IN SECTION 30, TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM, LEA COUNTY, NEW MEXICO, SAID EASEMENT BEING FIFTY FEET WIDE AND BEING TWENTY FIVE FEET ON EITHER SIDE OF THE SURVEY CENTERLINE MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT FOR STATION 0+00.00 OF THIS SURVEY, FROM WHICH THE EAST QUARTER CORNER OF SAID SECTION 30 BEARS S 63°23'46" E, 1107.79 FEET;

THENCE S 89°36'35" W, 1226.46 FEET TO A POINT FOR SURVEY STATION 12+26.46;

THENCE S 81°12'22" W, AT 99.9 FEET CROSSING A PROPOSED POWER LINE FOR SURVEY STATION 13+26.4, A TOTAL DISTANCE OF 235.22 FEET TO A POINT FOR SURVEY STATION 14+61.68;

THENCE S 0°22'27" W, 864.17 FEET TO A POINT FOR SURVEY STATION 23+25.85;

THENCE S 26°24'14" W, 48.03 FEET TO A POINT FOR SURVEY STATION 23+73.88;

THENCE S 0°01'45" W, 163.96 FEET TO A POINT FOR SURVEY STATION 25+37.84;

THENCE S 89°51'18" E, 263.31 FEET TO A POINT FOR SURVEY STATION 28+01.15;

THENCE S 0°05'12" W, 3.88 FEET TO POINT OF TERMINATION OF THE HEREIN DESCRIBED SURVEY CENTERLINE AT SURVEY STATION 28+05.03, FROM WHICH THE SOUTH EAST CORNER OF SAID SECTION 30 BEARS S 47°39'51" E, 2998.33 FEET;

SAID EASEMENT BEING 2805.03 FEET OR 170.00 RODS OR 0.53 MILES IN LENGTH, SUCH LENGTH BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 of NE/4	SECTION 30	-	19.99	RODS
SW/4 of NE/4	SECTION 30	-	96.79	RODS
NW/4 of SE/4	SECTION 30	-	53.22	RODS
TOTAL		-	170.00	RODS

NOTE - BASIS OF BEARINGS
BEARINGS FOR THIS SURVEY ARE BASED ON THE LINE BETWEEN A BRASS CAP FOUND FOR THE SOUTH WEST CORNER OF SECTION 30 AND A BRASS CAP FOUND FOR THE WEST QUARTER CORNER OF SAID SECTION 30, T 23 S, R 32 E, NMPM, THE LINE IS ASSUMED TO BEAR NORTH, 2638.91 FEET.

I hereby certify this plat to be correct to the best of my knowledge.



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of Texas
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P.O. BOX 1757
MIDLAND, TX 79702



By: WILLIAM E. MAHNKE II, PLS #8466

EXHIBIT
'D'

MERIDIAN OIL INC.
LITTLE JACK 30 FEDERAL No. 6

PROPOSED FLOWLINE EASEMENT

LEA COUNTY, NEW MEXICO

date: 4-27-94

scale: 1"=1000'

MERIDIAN OIL
MIDLAND REGION
DRILL WELL LOCATION SPECIFICATIONS

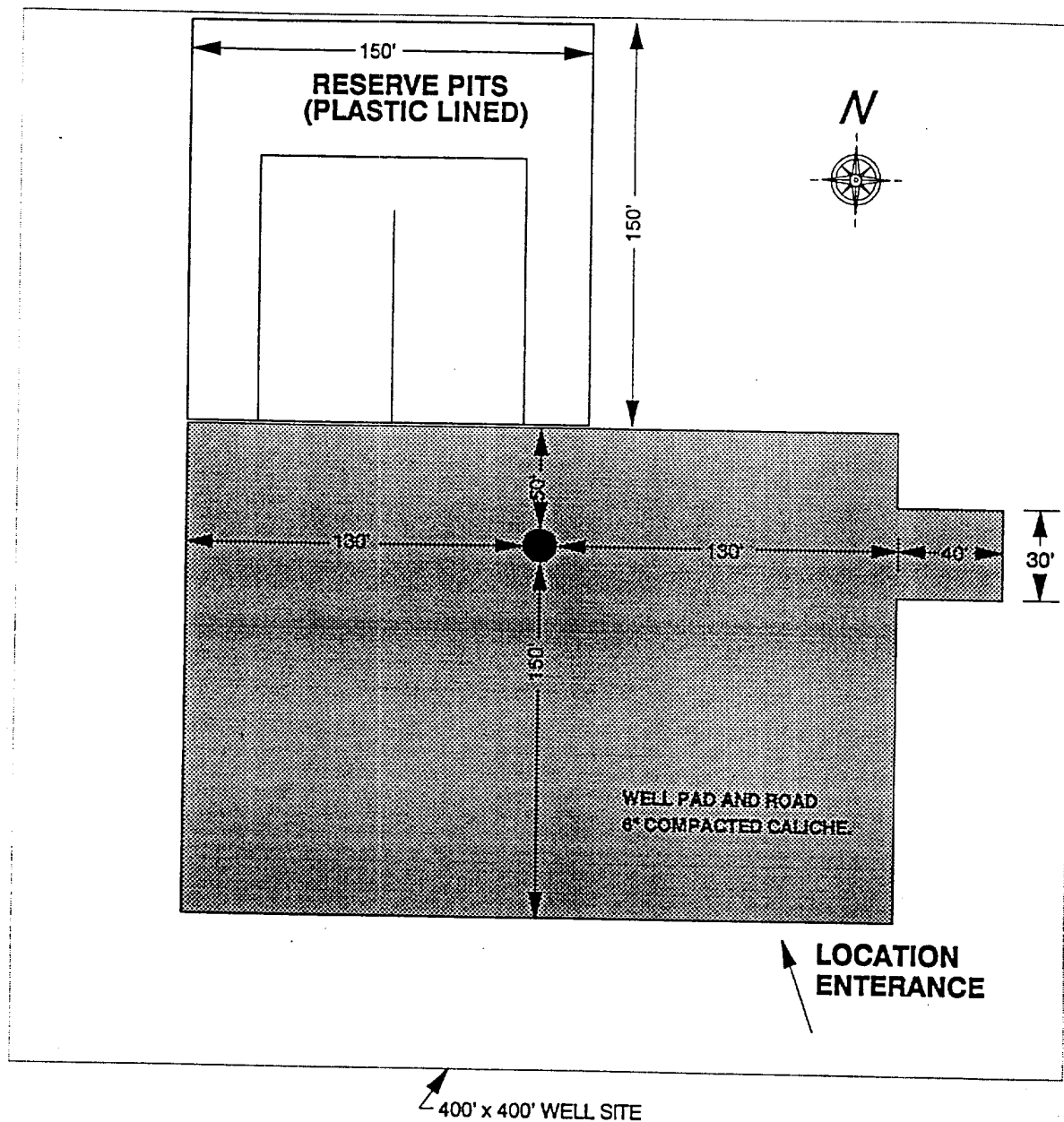


EXHIBIT
'E'

RECEIVED

APR 17 1969

RECORDS
OFFICE