

83210 UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Meridian Oil Inc. ✓

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 51810, MIDLAND, TX 79710

915-688-6800

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

J, 1980' FSL & 1980' FEL

At proposed prod. zone

Brushy Canyon Delaware

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

24 miles West of Jal, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1980

16. NO. OF ACRES IN LEASE

647.88 acres

17. NO OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

8400'

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show Whether DF, RT, GR, ETC.)

3510' GR

22. APPROX. DATE WORK WILL START

upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Secretary's Potash

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	H-40, 13 3/8"	48#	450'	450 sxs circ. to surf.
12 1/4"	K-55, 8 5/8"	28# & 32#	4000'	1750 sxs circ. to surf.
7 7/8"	K-55, 5 1/2"	17#	8300'	1150 sxs circ. to 3700'

Potash designated area.

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.

SIGNED

Maria L. Perez

TITLE

Production Assistant

DATE

9-7-93

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS

SPECIAL STIMULATIONS

ATTACHED

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:

APPROVED BY

William Calhoun

TITLE

Acting State Director

DATE

11-1-93

*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.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

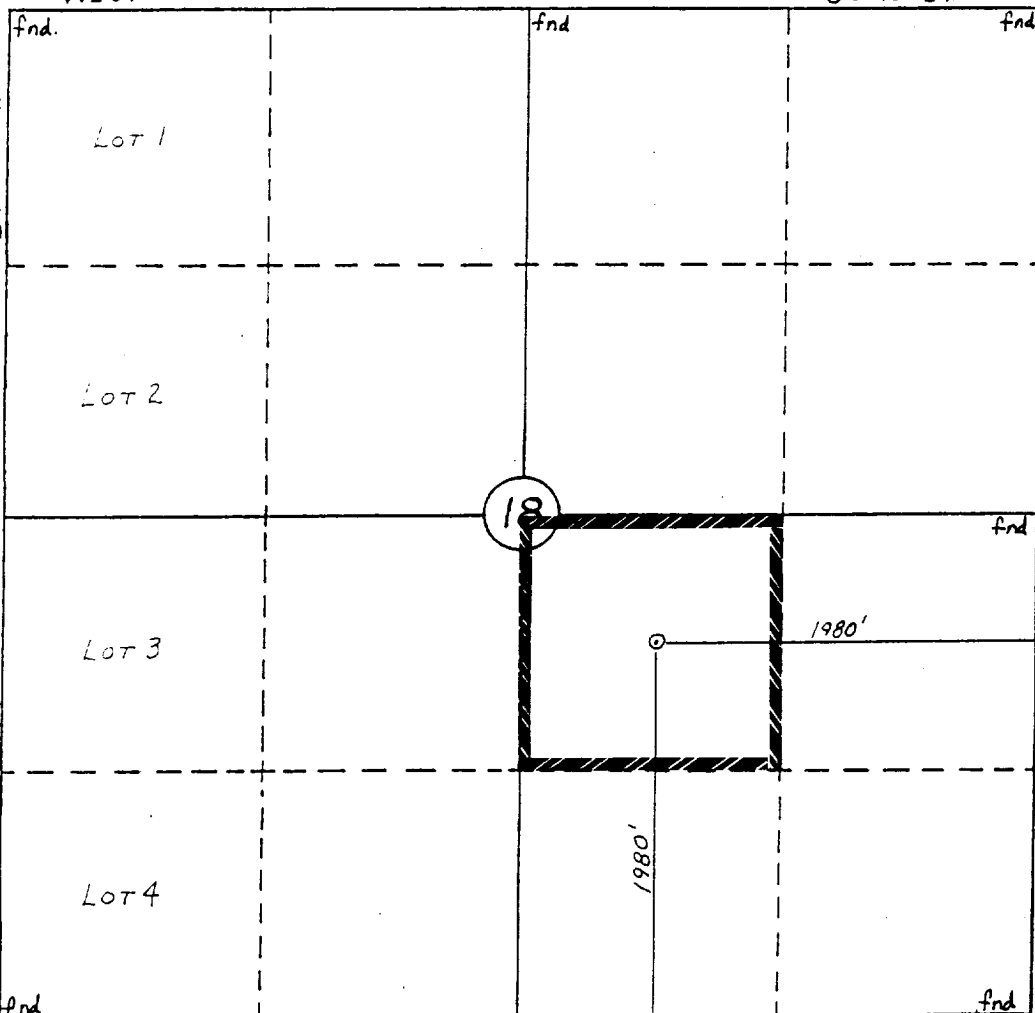
Operator MERIDIAN OIL INC.			Lease POKER LAKE 18 FEDERAL		Well No. 3
Unit Letter J	Section 18	Township 24 SOUTH	Range 31 EAST	County EDDY	
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the EAST line					
Ground level Elev. 3510	Producing Formation DELAWARE		Pool Northwest Poker Lake Delaware Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

WEST

80.92 ch.



OPERATOR CERTIFICATION

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

Signature
Maria L. Perez
Printed Name
MARIA L. PEREZ
Position
PRODUCTION ASST.
Company
MERIDIAN OIL INC.
Date
8-9-93

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 knowledge and belief.
7-22-93

Date Surveyed
WILLIAM E. MAHNKE II

Signature & Seal of
Professional Surveyor
Certificate No.
8466

OPERATORS NAME:	Meridian Oil Inc.
LEASE NAME AND WELL NO.:	Poker Lake "18" Federal #3
LOCATION:	J, 1980' FSL & 1980' FEL, Sec. 18, T24S, R31E
FIELD NAME:	Northwest Poker Lake Delaware Pool
COUNTY:	Eddy County, NM
LEASE NUMBER:	NM-89819

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.

FORMATION	DEPTH
Rustler	635'
Salado	760-4055"
Castille	4055'
Delaware	4275'
Bone Spring	8110'

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	4275'-TD
Bone Spring	8110'

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.

BOP Program: 10" - 3M BOP stack to be installed on 8 5/8" and left for the remainder of drilling and tested to 3000 psi before drilling the 8 5/8" casing shoe. The BOP stack will consist of one blind ram BOP and one pipe ram BOP.

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.

- New 13 3/8" 48# H-40 STL csg set @ 450'.
- New 8 5/8" 81 jts, 28# BTC & 15 jts. 32# LTC K-55 csg. set @ 4000'.
- New 5 1/2" 17# K-55 LTC csg. set @ 8300'.

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/450sxs. "C" w 2% CaCl₂ + 1/4 pps Flocele. Circ. to surf.
- b. 8 5/8" csg: Cmt Lead w/1500 sxs "C" Lite + 9 pps salt + 1/4 pps Flocele. Tail w/250 sxs 'C' + 2% CaCl₂. Circulated cmt to surface.
- c. 5 1/2" csg: Cmt. w/
1st Stage: 550 sx class 'C' 50/50 POZ .5% Halad-9, 3 pps KCL, 1/4 pps Flocele.
2nd Stage: 600 sx Class 'C' 50/50 POZ .5% Halad-9, 3 pps KCL, 1/4 pps Flocele. Circ. cmt to 3700' in 2 stages.

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:

0-450' fresh water gel and lime - 8.6-9.0 ppg

450-4000' Brine 10.0-10.2 ppg

4000-8300' Fresh water 8.5-9.0 ppg

No abnormal pressures or temperatures are expected.

(a.) Length and location of blowout line, including the automatic igniter or continuous pilot light.

Not applicable

(b.) Location of compressor equipment, including safety devices, and the distance from the wellbore.

Not Applicable

(c.) Schematics showing dedustor equipment and rotating head.

Not Applicable

(d.) Amounts, types, and characteristics of stand-by mud and associated circulating equipment.

Not Applicable

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: Possible sidewall cores.

c. Mud Logging: Two-man unit 4300' to TD.

d. Logs to be run: CNL-FDC/CR/CAL: TD SCP(CNL/CR to surface)
DIL/SFL/GR:TD-SCP

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 1500 psi. Bottom hole temperature 110° F. No hydrogen sulfide expected in this known drilling area. No crooked hole or abnormal deviation problems.

9. Any other facets of the proposed operation which the operator wishes for BLM to consider in reviewing the application.

Anticipated start date is upon approval of the drilling 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" and "B" - 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 "C" 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 "D" - 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.

Test tanks will be on well pad while completing and testing well.

The tank battery will be built at unit letter F, Sec. 18, T24S, R31E, Eddy Co., NM

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.

Surface material: caliche will be obtained from the dug reserve pit on location or 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.
416 East Main
Artesia, NM 88210
Office: 505-748-1321

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

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

Jim Kramer, Sr. Drilling Eng.
Office: 915-688-6843
Home: 915-694-2499

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:

9-1-93

NAME AND TITLE: Jim Kramer, Sr. Drilling Engineer

SIGNATURE:

Jim Kramer

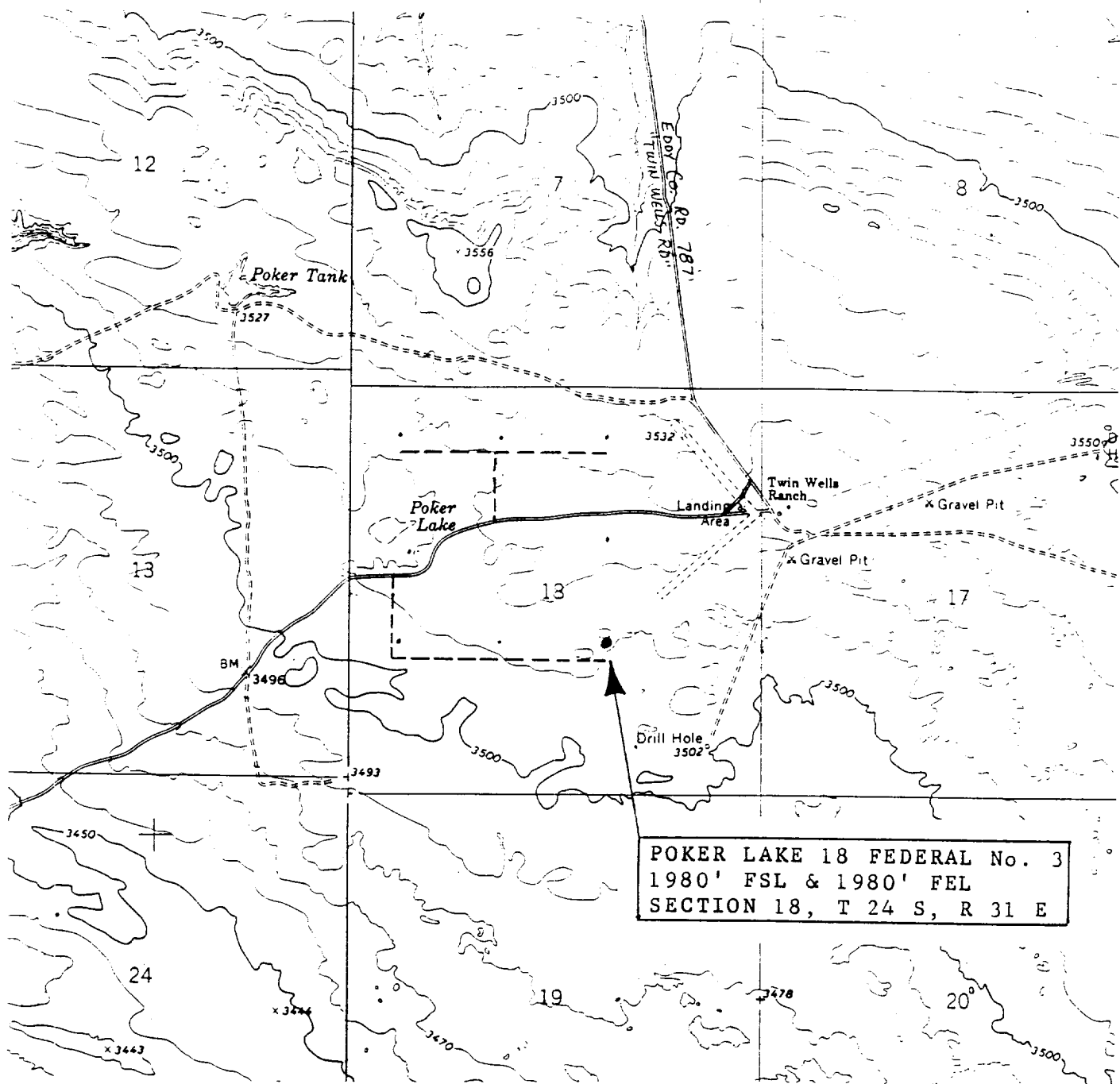


EXHIBIT A



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

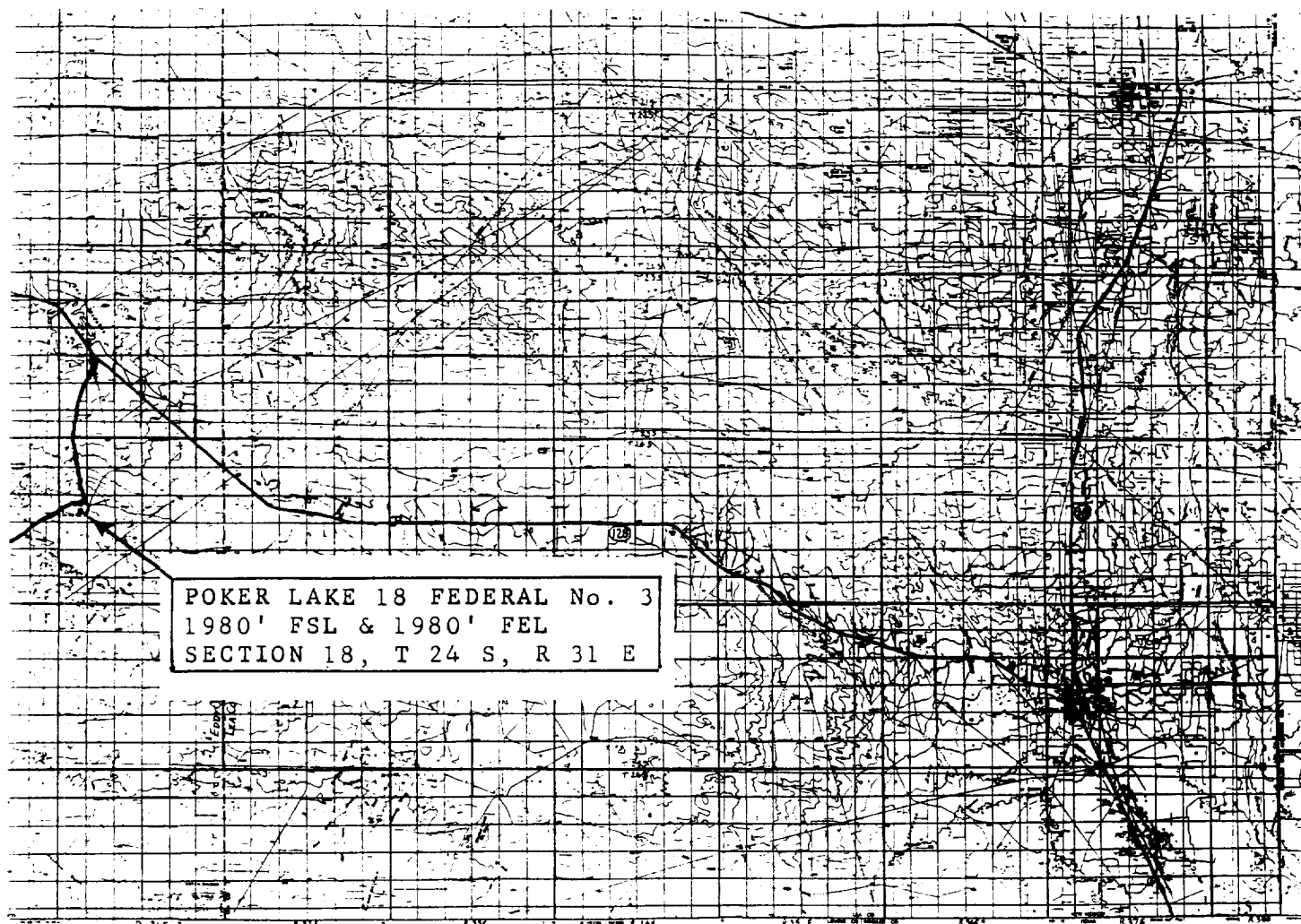
MERIDIAN OIL INC.
POKER LAKE 18 FEDERAL No. 3

PROPOSED ACCESS

EDDY COUNTY, NEW MEXICO

date: 7-30-93

scale:



DIRECTIONS:

FROM THE INTERSECTION OF NEW MEXICO HIGHWAY 128 AND NEW MEXICO HIGHWAY 18 IN JAL, NEW MEXICO, GO WEST ON HIGHWAY 128 FOR 39.8 MILES, THEN TURN LEFT ON EDDY COUNTY ROAD 787 ("TWIN WELLS ROAD") AND GO 6.6 MILES, THEN TURN LEFT ON TO A PROPOSED NEW ROAD AND GO 0.5 MILES TO LOCATION.

- PAVED HIGHWAY
- COUNTY ROAD
- - - - - PROPOSED NEW ROAD

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.
POKER LAKE 18 FEDERAL No. 3

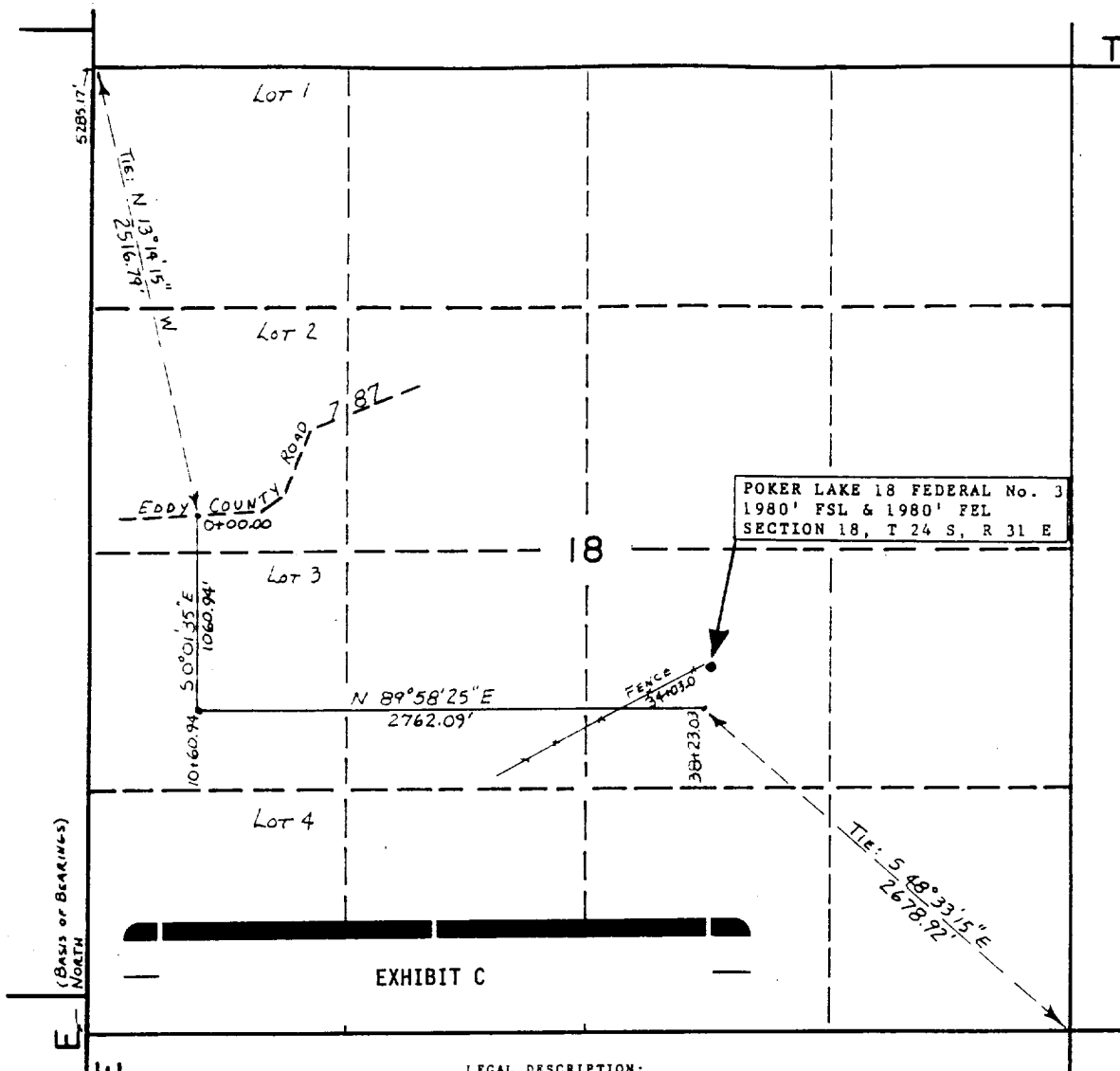
DIRECTIONS AND ROAD MAP

EDDY COUNTY, NEW MEXICO

date: 7-30-93

scale:

T 24 S



LEGAL DESCRIPTION:

A RIGHT OF WAY FOR A PROPOSED ROAD LOCATED IN SECTION 18, TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM, EDDY 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 EDDY COUNTY ROAD 787 FOR STATION 0+00.00 OF THIS SURVEY, FROM WHICH THE NORTH WEST CORNER OF SAID SECTION 18 BEARS N 13°14'15" W, 2516.79 FEET;

THENCE S 0°01'35" E, 1060.94 FEET TO A POINT FOR SURVEY STATION 10+60.94;

THENCE N 89°58'25" E, AT 2342.1 FEET CROSSING AN EXISTING FENCE LINE FOR SURVEY STATION 34+03.0, A TOTAL DISTANCE OF 2762.09 FEET TO POINT OF TERMINATION OF THE HEREIN DESCRIBED SURVEY CENTERLINE AT SURVEY STATION 38+23.03, FROM WHICH THE SOUTH EAST CORNER OF SAID SECTION 18 BEARS S 48°33'15" E, 2678.92 FEET;

SAID RIGHT OF WAY BEING 3823.03 FEET OR 231.70 RODS OR 0.72 MILES IN LENGTH, SUCH LENGTH BEING ALLOCATED BY PORTIES AS FOLLOWS:

LOT 2	SECTION 18	-	11.65	RODS
LOT 3	SECTION 18	-	101.72	RODS
NE/4 OF SW/4	SECTION 18	-	80.00	RODS
NW/4 OF SE/4	SECTION 18	-	38.33	RODS
TOTAL				231.70 RODS

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

MERIDIAN OIL INC.
POKER LAKE 18 FEDERAL No. 3

PROPOSED ROAD RIGHT OF WAY

EDDY COUNTY, NEW MEXICO

date: 7-31-93

scale: 1"=1000'

T 24 S

5285.17'

LOT 1

LOT 2

LOT 3

LOT 4

POKER LAKE 18 FEDERAL No. 1
MEASURED: 1981' FNL & 2180' FWL
SECTION 18, T 24 S, R 31 E

17+87.81
17+67.81
N 0°09'42" E
20.00'

POKER LAKE 18 FEDERAL No. 3
1980' FSL & 1980' FEL
SECTION 18, T 24 S, R 31 E

18
N 44°47'12" W
1767.81'

T.E. S 46°07'09" E
2855.33'

(BASIS OF BEARINGS)
NORTHR 30 E
R 31 E

LEGAL DESCRIPTION:

AN EASEMENT FOR A PROPOSED FLOW LINE LOCATED IN SECTION 18, TOWNSHIP 24 SOUTH, RANGE 31 EAST, NMPM, EDDY 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 SOUTH EAST CORNER OF SAID SECTION 18 BEARS S 46°07'09" E, 2855.33 FEET;

THENCE N 44°47'12" W, 1767.81 FEET TO A POINT FOR SURVEY STATION 17+67.81;

THENCE N 0°09'42" E, 20.00 FEET TO POINT OF TERMINATION OF THE HEREIN DESCRIBED SURVEY CENTERLINE AT SURVEY STATION 17+87.81, FROM WHICH THE NORTH QUARTER CORNER OF SAID SECTION 18 BEARS N 17°58'39" E, 2134.85 FEET;

SAID EASEMENT BEING 1787.81 FEET OR 108.35 RODS OR 0.34 MILES IN LENGTH, SUCH LENGTH BEING ALLOCATED BY FORTIES AS FOLLOWS:

NW/4 of SE/4	SECTION 18 -	50.18 RODS
NE/4 of SW/4	SECTION 18 -	6.46 RODS
SE/4 of NW/4	SECTION 18 -	51.71 RODS
TOTAL		108.35 RODS

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. MAENKE II, PLS #-8466

MERIDIAN OIL INC.

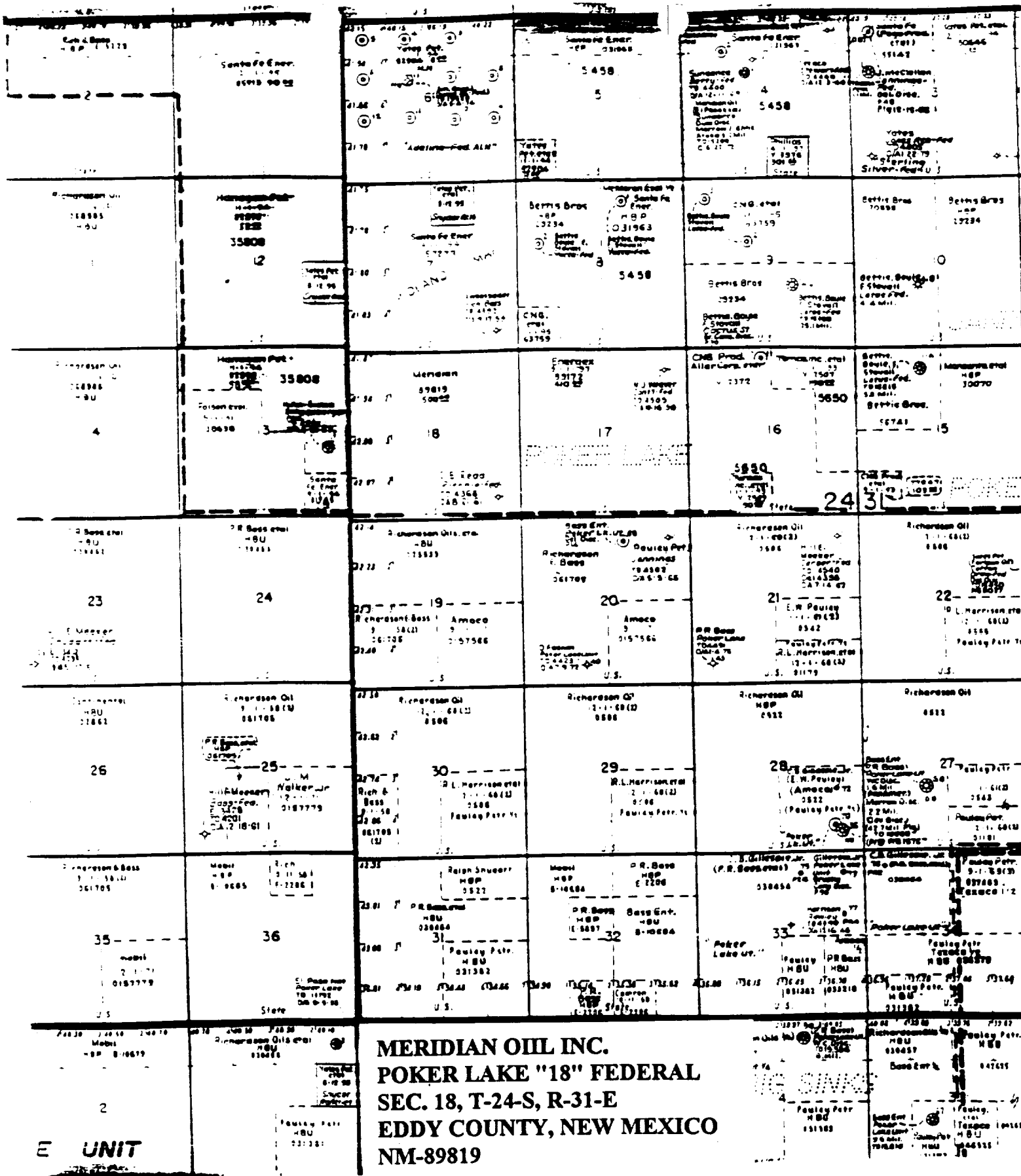
POKER LAKE 18 FEDERAL No. 3

PROPOSED FLOW LINE EASEMENT

EDDY COUNTY, NEW MEXICO

date: 7-31-93

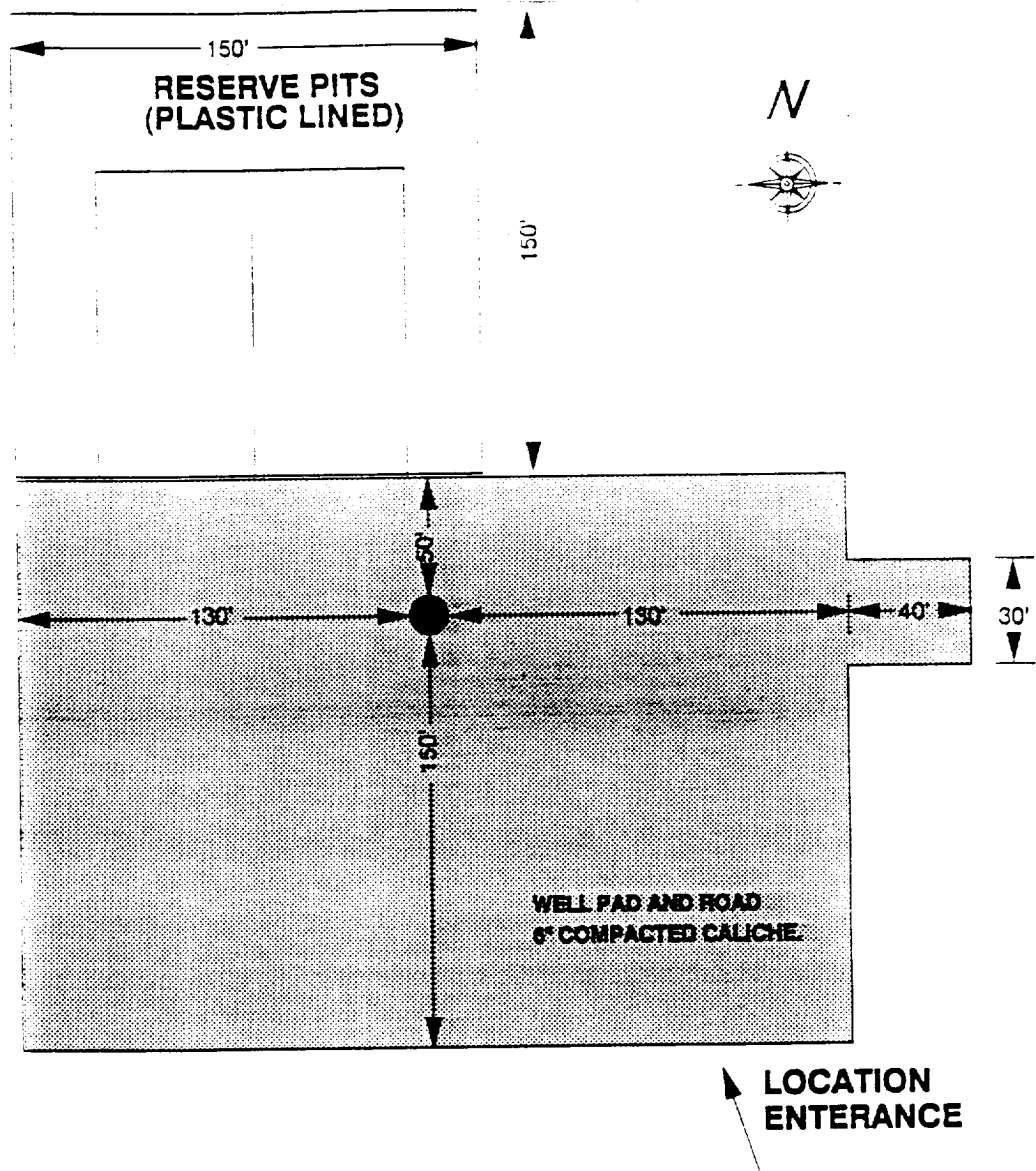
scale: 1"=1000'



MERIDIAN

MIDLAND REGION

DRILL WELL LOCATION SPECIFICATIONS



— 400' x 400' WELL SITE

EXHIBIT E

Diagram illustrating the components of a well logging tool assembly, including:

- ROTATING HEAD
- R-BLIND RAMS
- R-PIPE RAMS
- DRILLING SPOOL

The diagram illustrates a three-line choke system. At the top, three horizontal lines represent the choke lines. The top line is labeled "2" ADJUSTABLE CHOKE" and has a "TO PIT" label with a "2" dimension. The middle line is labeled "4" VALVE" and has a "TO PIT" label with a "4" dimension. The bottom line is labeled "2" POSITIVE CHOKE" and has a "TO PIT" label with a "2" dimension. The lines are connected by a central vertical structure with three valves, each labeled "TO PIT".