

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

2. NAME OF OPERATOR

Mewbourne Oil Company ✓

3. ADDRESS OF OPERATOR

P. O. Box 7698, Tyler, Texas 75711

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

At surface
660' FNL & 1980' FWL

At proposed prod. zone

Same

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

25 miles Southwest from Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)
660'

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

None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3849.1' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8"	24# & 32#	3,000'	2000 sacks - Circulated
7-7/8"	5-1/2"	17# & 20#	10,500'	1600 sacks - circulated

HYDRIL MODEL 1500 and

SHAFFER MODEL 5000 Hydraulic Blowout Preventer

Mud Program:

Fresh water to 3000'

Drill with cut brine to 9000'.

10# brine with salt mud 36-38 Viscosity from 9000' to TD.

Flush with mud for logging.

Charge production of oil & gas
7/10/85

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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

Wayne Thompson

TITLE

Exploration Secretary

DATE Sept. 10, 1985

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

9-24-85

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*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.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

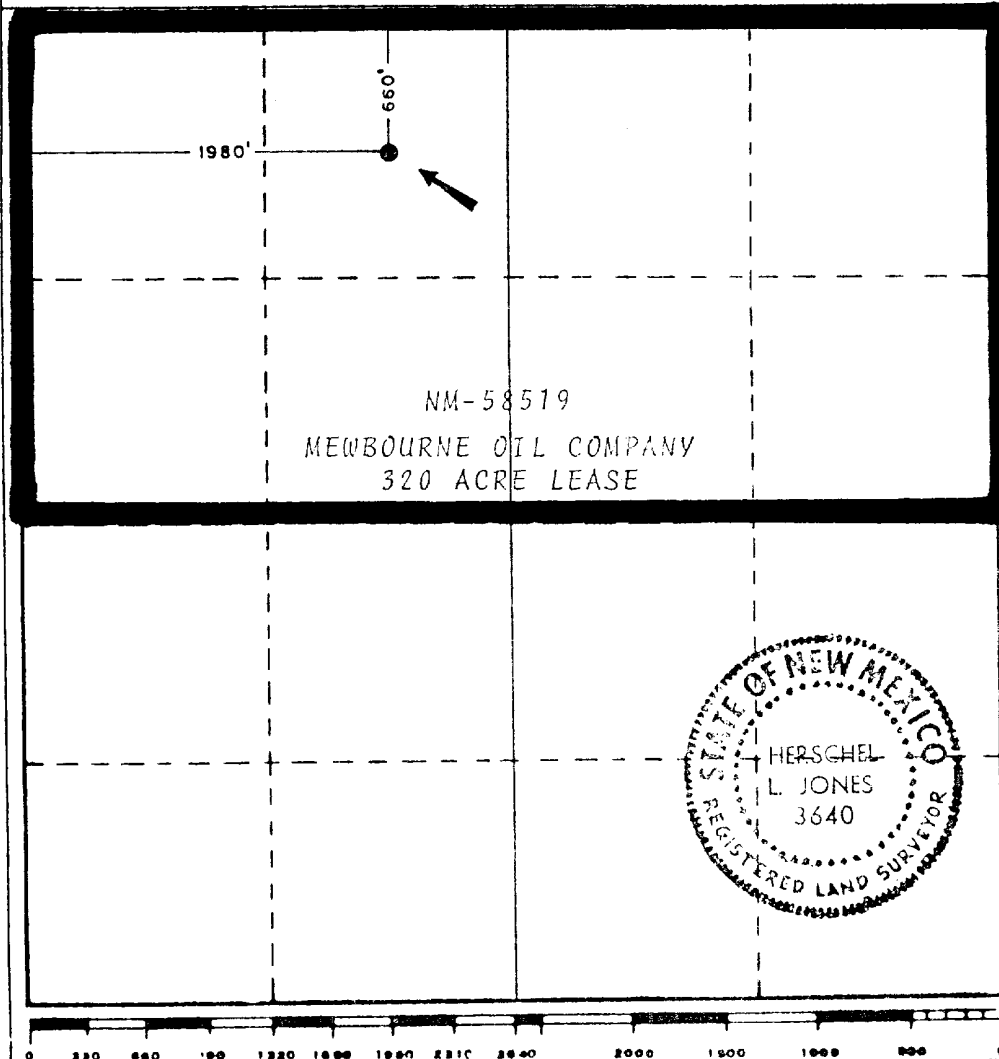
Operator MEWBOURNE OIL COMPANY			Lease Federal "K"		Well No. 1
Unit Letter "C"	Section 13	Township 23 South	Range 24 East	County Eddy	
Actual Footage Location of Well:					
660 feet from the North line and		1260 feet from the West line		1140	
Ground Level Elev. 3849.1	Producing Formation Morrow	Pool Rock Tank Upper & Lower Morrow Gas Pool		Dedicated Acreage 320 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 interests 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 interests, has been approved by the Commission.



CERTIFICATION

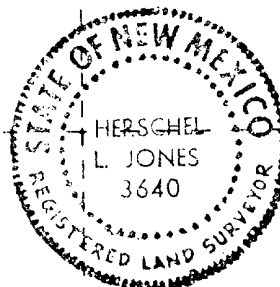
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Gaylon Thompson

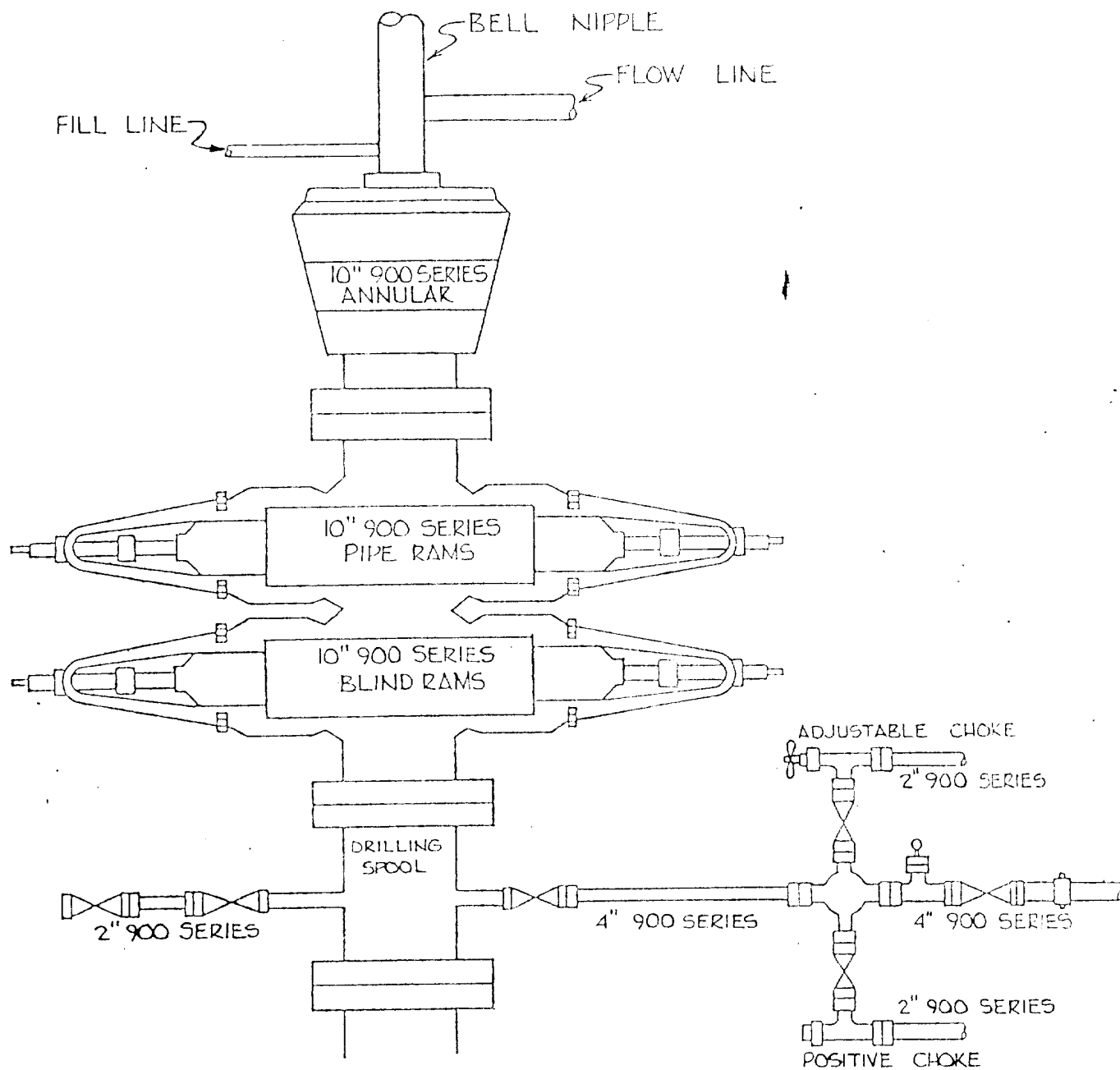
Name
Gaylon Thompson
Position
Exploration Secretary
Company
Mewbourne Oil Company
Date
September 10, 1985

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.

Date Surveyed
7-11-85
Registered Professional Engineer and/or Land Surveyor
Herschel L. Jones
Certificate No.
3640







WELL NAME: Federal "K" NO: 1 LOCATION: 1650' EN & WL, Sec. 13-T23S-R24E
 OSPECT/XXXX: Rock Tank COUNTY: Eddy STATE: New Mexico
 D: 10,500' FORMATION STD: Barnett ELEVATION: EST. SPUD DATE:
 C.W.I.: TYPE OF TEST: Development

	OBJECTIVE	EST. DEPTH	SPACING	FEET OF PAY	O/G
PRIMARY	Upper Morrow	9,200'	640 acres	15'	Gas XXXX /DS
PRIMARY XXXXXX	Lower Morrow	10,300'	640 acres	32'	Gas XXXX /DS
SECONDARY	Atoka	9,850'	640 acres	10'	Gas XXXX /DS
SECONDARY					CORE/DS
SECONDARY					CORE/DS

ST. FORMATION TOPS
 * POSSIBLE SHOWS)

DEPTH

Delaware	1,700'
Bone Springs	3,950'
1st Bone Springs Sand	4,350'
3rd Bone Springs Sand	7,400'
Wolfcamp	7,800'
Penn	8,400'
Strawn	8,550'
*Atoka	9,150'
*Morrow	9,900'
Barnett	10,350'

SAMPLE INSTRUCTIONS:

INT. 10' DEPTH 1500' TO TD
 (or as directed by geologist)

DRILLING TIME - Geolograph
 from Surface casing to TD

Estimated depth at which water, oil, or gas are expected to be encountered:
 Atoka 9150'-9900'

Mud Program: Surface to 3,000' - Fresh water gel with lime to help control hole conditions.
 3,000' to 9,000' - Cut brine with lime and mud seal for seepage.
 9,000' to TD - 10# brine with salt gel mud, lime, and a 36-38 viscosity. Flush with mud before logging.

Logging Program: Density Neutron- TD to surface.
 Dual Guard - Forxo -- TD to intermediate casing.

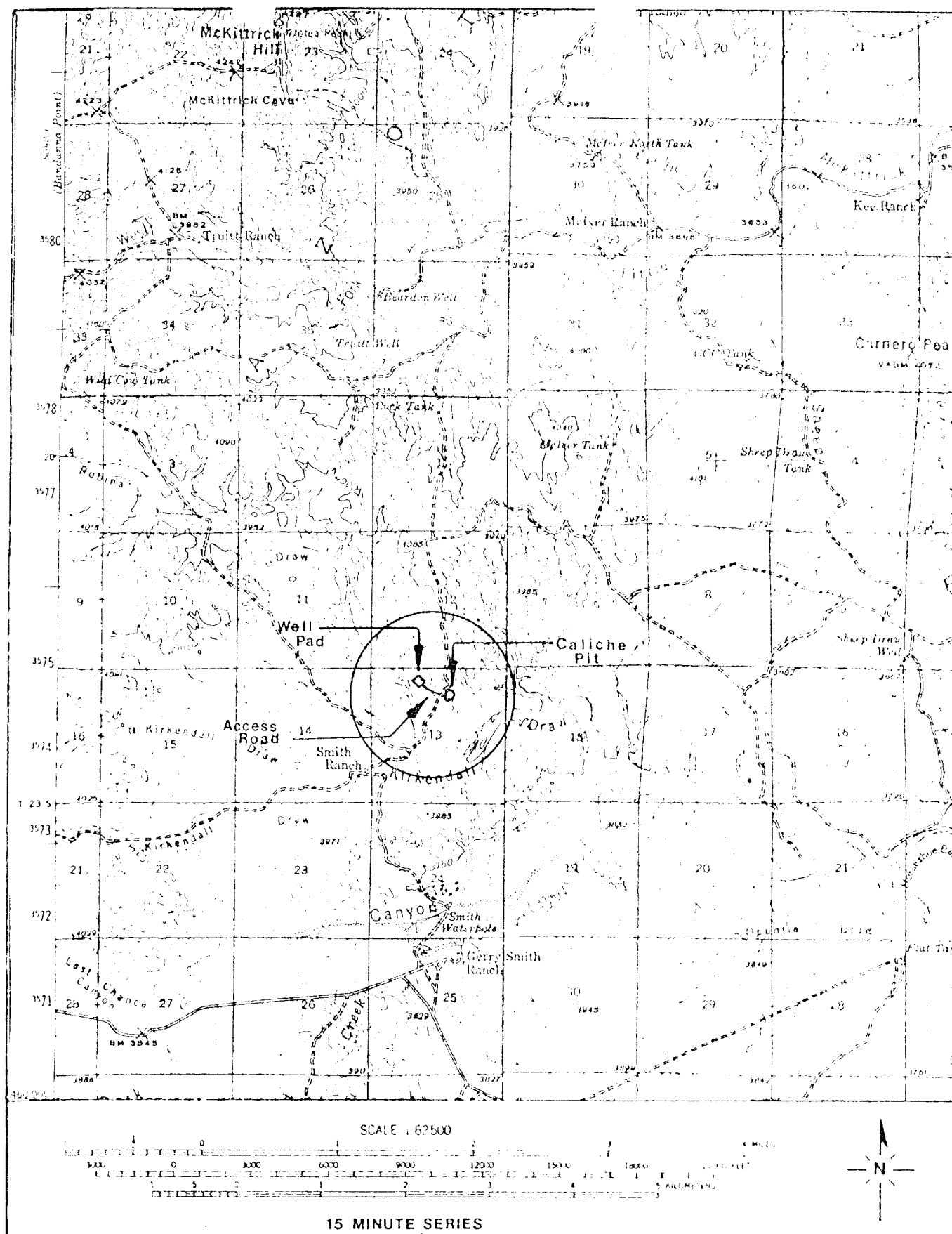


Figure 4. Location of Federal "K" No. 1 well pad, access road, and caliche pit expansion in Section 13, T23S, R24E, NMPM, Eddy County, New Mexico.

Map Reference: USGS West Carlsbad, N. Mex. Quadrangle, 1943



200'

RESERVE PIT

60'

99'

101'

STEEL MUD PIT 8' X 90'

WATER TANK

PUMPS

12' x 30'

FUEL TANK

85'

SUBSTRUCTURE

40' x 16'

DOCKHOUSE
8' x 30'

PIPE BASKETS
8' x 35' each

CATWALK 4' 4" x 45'

115'

DERRICK STAND

150'

100'

200'

ACCESS ROAD