

N.M.O.C.D. COPY

SUBMIT IN TWO PARTS  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23387

## 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

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Texaco Inc.

## 3. ADDRESS OF OPERATOR

P. O. Box 3109 Midland, Texas 79702

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

At surface

1980' FSL &amp; 660' FEL of Section 18.

At proposed prod. zone

1980' FSL &amp; 660' FEL of Section 18.

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

7 Miles Southeast of Loco Hills, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

660'

## 16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1st

Well

## 19. PROPOSED DEPTH

12230

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3630' Gr.

## 22. APPROX. DATE WORK WILL START\*

8-01-80

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	625'	625'	700 Sx.
12-1/4"	9-5/8"	48# H-40ST&C 1900'	4500'	2700 Sx.
		40# N-80LT&C 1000'		
		40# K-55ST&C 1600'		
		36# S-80ST&C		
8-1/2"	5-1/2"	200'	12230	1635 Sx.
		17# S-95LT&C 3400'		
		17# N-80LT&C 2900'		
		17# K-55ST&C 3200'		
		17# N-80LT&C 2530'		
		17# S-95LT&C		

GAS NOT DEDICATED.

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JUN 30 1980

O. C. D.

ARTESIA OFFICE

MAY 30 1980

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

Dale Holloman

TITLE

Assistant Division  
Petroleum Engineer

DATE

May 27, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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 <b>Texaco Inc.</b>		Lease <b>Kincaid-Watson Federal</b>		Well No. <b>1</b>
Unit Letter <b>I</b>	Section <b>18</b>	Township <b>18-S</b>	Range <b>31-E</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1980</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3630'</b>	Producing Formation <b>Morrow</b>	Pool <b>North Shugart Morrow</b>	Dedicated Acreage: <b>320</b> Acres	

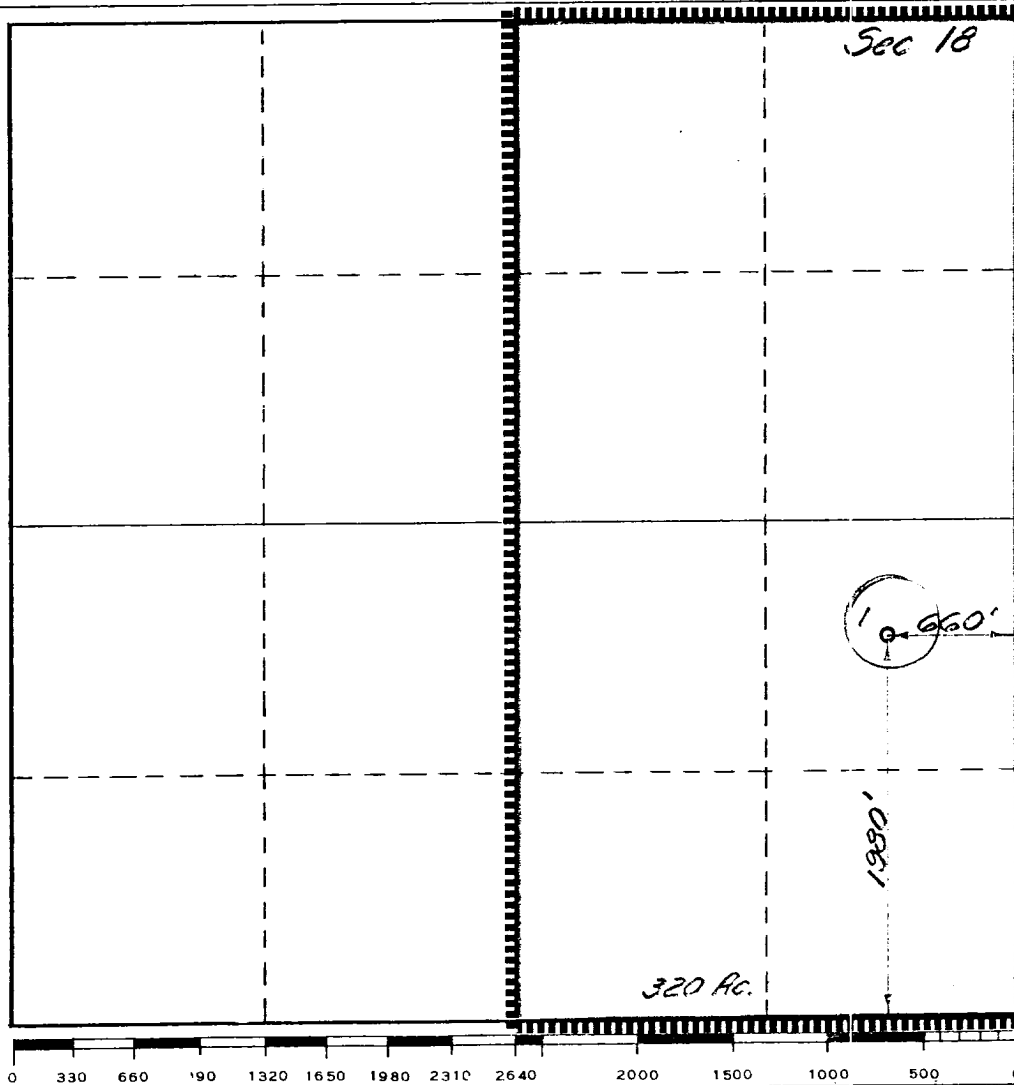
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

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ARTESIA, NEW MEXICO



CERTIFICATION

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

*B. L. Eiland*

Name

**B. L. Eiland**

Position

**Division Surveyor**

Company

**Texaco Inc.**

Date

**May 27, 1980**

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.

**May 21, 1980**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*B. L. Eiland*  
**B. L. Eiland**

Certificate No.

**4386**



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# United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Drawer U  
Artesia, New Mexico 88210

RECEIVED

JUN 30 1980

O. C. D.  
ARTESIA, OFFICE

June 24, 1980

Texaco Inc.  
Post Office Box 3109  
Midland, Texas 79702

Gentlemen:

TEXACO INC.  
Kincaid-Watson Federal No. 1  
1980 FSL 660 FEL Sec. 18 T. 18S, R. 31E.  
Eddy County Lease No. LC 029393-b

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 12,230 feet to test the Morrow is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
4. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
6. Before drilling below the 9-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
7. A kelly cock will be installed and maintained in operable condition.

8. After setting the 9-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
9. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
  - (1) A recording pit level indicator to determine pit volume gains and losses.
  - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
  - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
10. Notify the Survey by telephone 24 hours prior to spudding well.
11. Cement behind the 13-3/8" casing must be circulated.
12. Special Stipulations:
  - a. Water pipeline will be relocated to parallel access road to the well location.
  - b. Utilize caliche pit in NW/4 NE/4 sec. 29, T. 18S., R. 31E.
13. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

(Sgt. S/A) GEORGE H. STEWART

George H. Stewart  
Acting District Engineer

TEXACO INC.  
KINCAID & WATSON FEDERAL NO. 1  
1980' FSL & 660' FEL  
Sec. 18, T-18-S, R-31-E  
Eddy County, New Mexico

PROPOSED CASING AND CEMENTING PROGRAM

Surface Casing : 700 Sx. Class "C" W/2% CaCl<sub>2</sub>  
(14.8 ppg, 1.32 ft<sup>3</sup>/sx)

Intermediate Casing: 2500 Sx. 50/50 Pozmix Class "C"  
W/1/4# Flocele (14.8 ppg, 1.32 ft<sup>3</sup>/sx)  
followed by 200 Sx. Class "C" W/cac1<sub>2</sub>  
(14.8 ppg, 1.32 ft<sup>3</sup>/sx.)

Production Casing : 1st Stage: 325 sx. Lite W/15% Halad  
22-A 5#/sx KCL (12.7 ppg, 1.97 ft<sup>3</sup>/sx)  
followed by 485 sx. Class "H" W/.6%  
Halad 22-A and .3% CFR-2 & 5#/sx.  
KCL (15.8 ppg, 1.2 ft<sup>3</sup>/sx)  
2nd Stage: 725 sx. Lite W/14% Halad  
22-A & 1/4#/sx. Flocele (12.7 ppg,  
1.97 ft.<sup>3</sup>/sx) followed by 100 sx.  
Class "H" W/.5% CFR-2 (15.8 ppg,  
1.2 ft<sup>3</sup>/sx).

3. Surface Formation: Quarternary Alluvium

7. FORMATION TOPS

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Minerals</u>
0					
600'	Rustler			X	
2000'	Yates	X			
6000'	Bone Spring	X			
9550'	Wolfcamp	X			
10780'	Strawn	X			
10970'	Atoka		X		
11570'	Morrow		X		
12129'	Miss Ls		X		
12229'	TD				

10. Blowout Preventer (see Exhibit "A") will be installed after surface pipe is set at 625 feet. Testing frequency every eight hours.

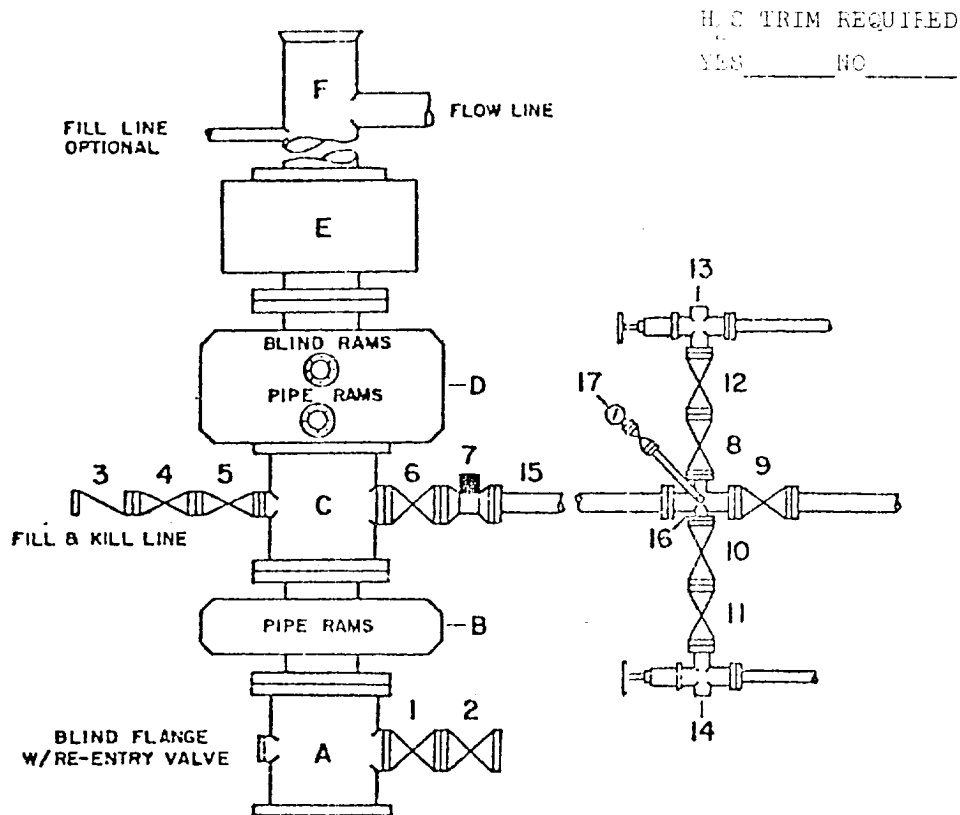
11. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0- 625'	Spud mud	8.4 - 8.6	32-35
625- 4500'	Brine Water	10.0	28-30
4500-10500'	Fresh Water	8.4	28-30
10500-12230'	Brine-Polymer	9.0 - 10.0	32-35

12. This well will test the Atoka and Morrow. A combination Gamma Ray CNL-FDC and Dual Induction Lateral Log will be run.
13. No abnormal pressures or temperatures or hazardous gases are anticipated to be encountered in this well.
14. Anticipated starting date will be August 1, 1980.

# DRILLING CONTROL

## CONDITION IV-5000 PSI WP



### DRILLING CONTROL

#### MATERIAL LIST - CONDITION IV

- |   |   |
|---|---|
| A | Texaco Wellhead   |
| B | 5000# Single Ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines |

MULTI-POINT SURFACE USE AND OPERATOR'S PLAN

TEXACO INC.  
KINCAID & WATSON FEDERAL NO.1  
1930' FSL & 660' FEL, SEC. 18  
T-18-S R-31-E EDDY COUNTY, NEW MEXICO

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MAY 30 1980  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. This location can be reached from the intersection of U. S. Highway No. 82 and State Highway 31 (located approximately five miles East of Loco Hills), proceed South on State Highway No. 31 for 5.1 miles to a point where a graded lease road intersects this State Highway. Turn right (West) on said lease road for 1.1 mile to point where proposed new lease road will be built North 640 feet to the location.

2. PLANNED ACCESS ROAD

- A. Length and Width: 640' of new road will be built. It will be 12' feet wide and surfaced with 6" of caliche, watered, compacted and crowned to allow drainage. This new road is color coded and shown on Exhibit "B". The center line of the proposed new road has been staked and flagged with the flags being visible from any one to the next.
- B. Maximum Grade: The new road is over flat sandy land.
- C. Turnouts: No turnouts will be required.
- D. Drainage Design: 6" of watered and compacted caliche will be used on the new road and the finished surface will be crowned to allow for drainage.
- E. Location and Size of Culverts: None will be required.
- F. Surface Material: Caliche will be used to surface the new road and well pad.
- G. Gates, Cattleguards or Fence Cuts: No gates or cattleguards will be required.



MULTI-POINT SURFACE USE AND OPERATOR'S PLAN

TEXACO INC.  
KINCAID & WATSON FEDERAL NO.1  
1980' FSL & 660' FEL, SEC. 18  
T-18-S R-31-E EDDY COUNTY, NEW MEXICO

H. The 1.1 mile of existing lease road will be graded and caliche will be used where necessary.

3. LOCATION OF EXISTING WELLS

All existing wells within one mile are shown on Exhibit "C".

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. This will be Texaco's first well. The Company has no other facilities within a mile radius.

B. If the proposed well is completed as a producer, a tank battery (60' x 230') will be built at the southeast corner of the existing well pad. Since the tank battery will be built on the well pad no additional surface will be disturbed and no flow line will be needed.

5. LOCATION AND TYPE OF WATER SUPPLY

A. Water for drilling will be purchased from the Double Eagle Water Co., Loco Hills, New Mexico. The water will be carried by a 3" plastic pipe laid on the surface from a valve on the Double Eagle water line, located in NW/4 NE/4, Sec. 29, T-18-S, R-31-E, to the drilling rig. This line has been staked and is shown on Exhibit "B".

6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche for the road and well pad will be obtained from an existing pit located in the SE/4 of NE/4 Sec. 29 T-18-S R-31-E, Eddy Co., New Mexico.

B. This caliche pit is on Federal land. The contractor who builds the road and well pad will haul the material from this pit to the construction site over the roads as shown on Exhibit "B".

7. METHOD OF HANDLING WASTE DISPOSAL

A. Drilling cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until they are dry.

## MULTI-POINT SURFACE USE AND OPERATOR'S PLAN

TEXACO INC.

KINCAID & WATSON FEDERAL NO.1

1980' FSL & 660' FEL, SEC. 18

T-18-S R-31-E EDDY COUNTY, NEW MEXICO

- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human wastes will be complied with.
- E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit "D".
- F. All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

### 8. ANCILLARY FACILITIES

- A. None will be required.

### 9. WELL SITE LAYOUT

- A. Exhibit "D" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. Only minor leveling will be required. No significant cuts and fills will be necessary.
- C. The reserve pit will be plastic lined.
- D. The pad and pit area has been staked and flagged.

### 10. PLANS FOR RESTORATION OF THE SURFACE

- A. After completion of drilling and completion operations, all equipment not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, any special rehabilitation and/or revegetation requirements of the Surface Management Agency will be complied with and accomplished as expeditiously as possible.

MULTI-POINT SURFACE USE AND OPERATOR'S PLAN

TEXACO INC.

KINCAID & WATSON FEDERAL NO.1

1980' FSL & 660' FEL, SEC. 18

T-18-S R-31-E EDDY COUNTY, NEW MEXICO

- D. Drilling operations on this well will begin on/or before August 1, 1980.

11. OTHER INFORMATION

- A. Topography: Land surface is very sandy and on the western edge of the Querecho Plains.
- B. Soil: Very sandy with numerous dunes.
- C. Flora and Fauna: The vegetative cover is mesquite, shinners oak and perennial grasses. Wildlife in the area is typical of a semi-arid desert which include coyotes, rabbits and reptiles.
- D. Fonds and Streams: There are no lakes, ponds or rivers in this area.
- E. Residences: The nearest residences are at Loco Hills, New Mexico approximately 6 miles northwest.
- F. Land Use: Grazing.
- G. Surface Ownership: Wellsite and road are on Federal surface.

12. OPERATOR'S REPRESENTATIVE

The field representative responsible for assuring compliance with the approved surface use and operations plan are as follows:

A. Gernandt  
P. O. Box 727  
Lovington, New Mexico  
Office Phone: (505) 396-4414  
Home Phone : (505) 396-3419

J. A. Schaffer  
P. O. Box 728  
Hobbs, New Mexico  
Office Phone: (505) 393-7191  
Home Phone : (505) 392-8387

MULTI-POINT SURFACE USE AND OPERATOR'S PLAN

TEXACO INC.  
KINCAID & WATSON FEDERAL NO.1  
1980' FSL & 660' FEL, SEC. 18  
T-18-S R-31-E EDDY COUNTY, NEW MEXICO

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by Texaco Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

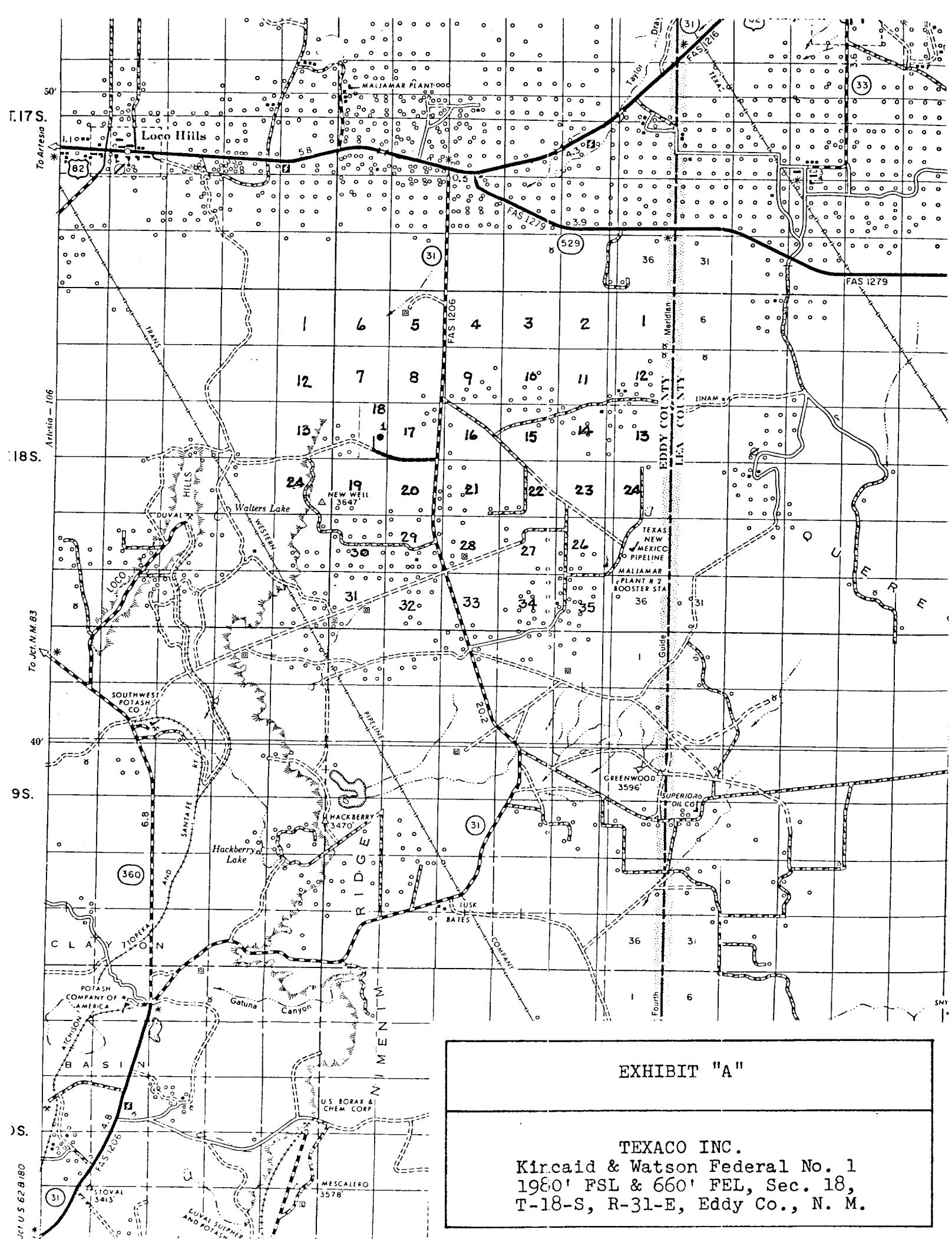
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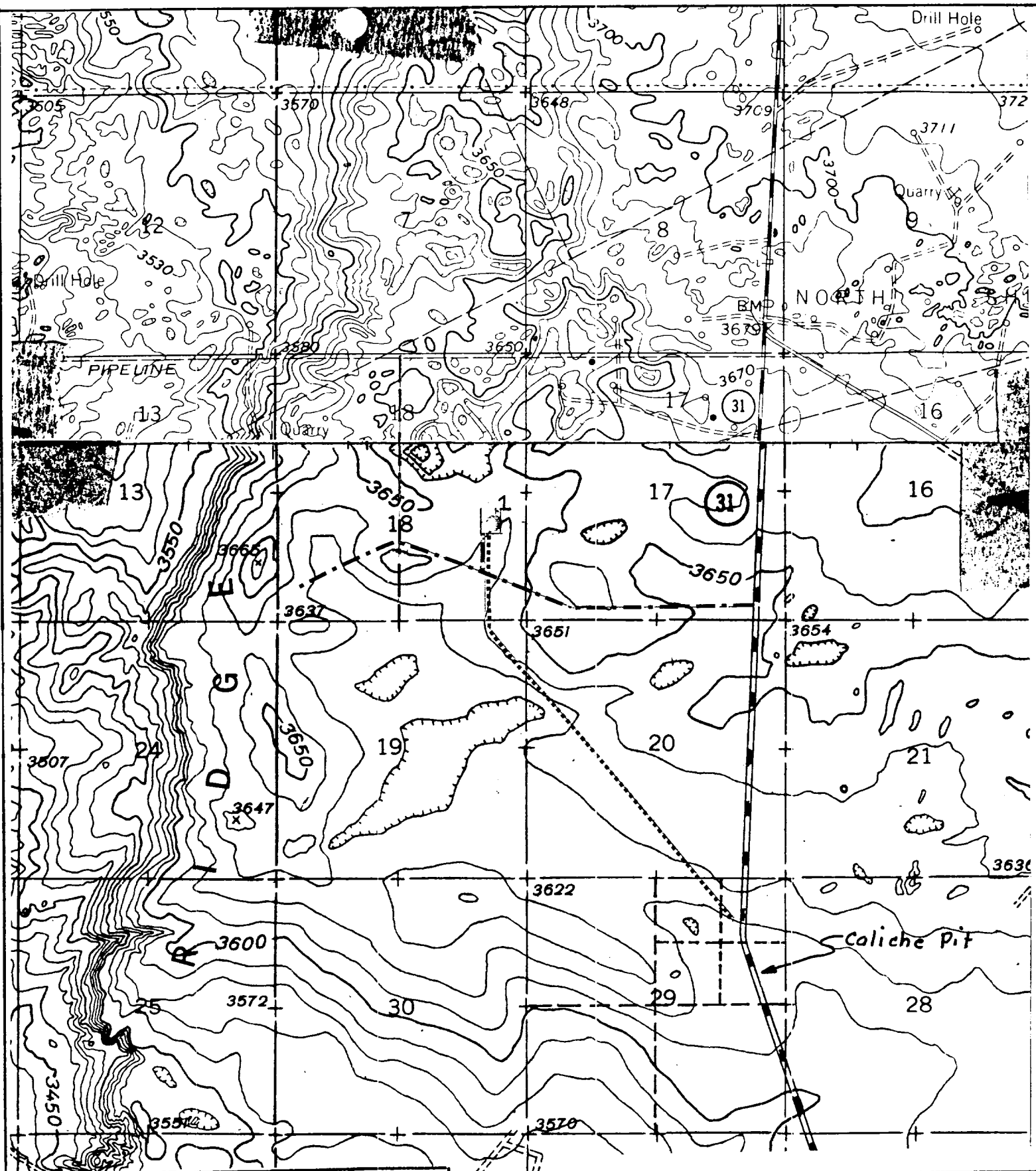
Date



ASST. DIST. SUPT.

Name and Title





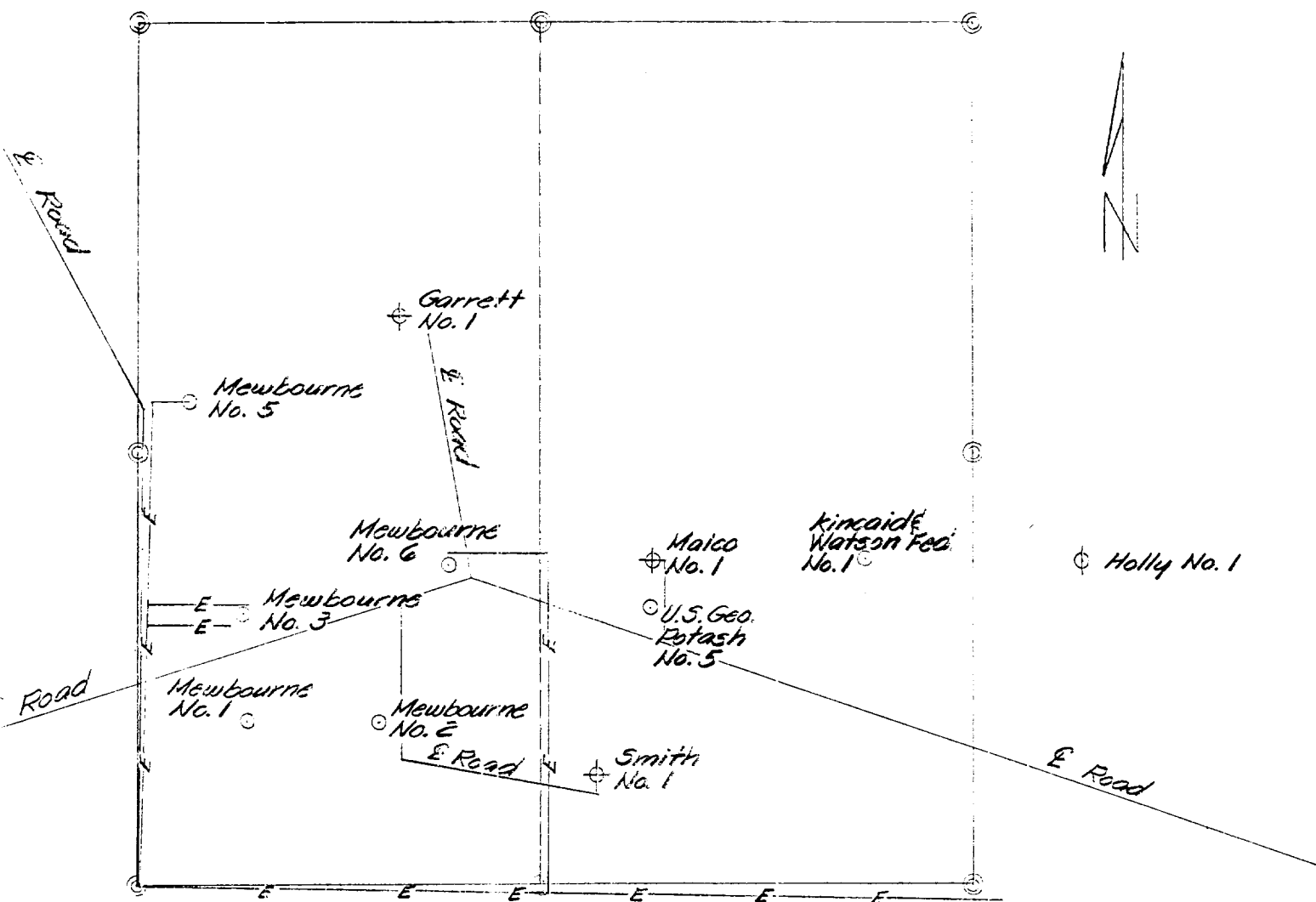
# LEGEND

- Existing Road
- New Road
- Water Line
- Watson-Fed. No. 1

## EXHIBIT B

TEXACO INC.

Kincaid & Watson Federal No. 1  
 1980' FSL & 660' FEL, Sec. 18,  
 T-18-S, R-31-E  
 Eddy Co., New Mexico



Legend

- Well
- ⊕ Plugged & Abandoned
- ⊙ Staked Location
- ⊙ Section & 1/4 Section Corner
- E— Electric Line

Exhibit "C"

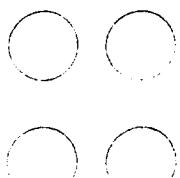
Texaco Inc.  
 Kincaid & Watson Federal  
 320 Acres  
 Eddy County, New Mexico  
 Scale: 1" = 1000'

Reserve Pit  
Plastic Lined

2nd

3rd

Water Tank



Clear Filter

