

*See Instructions On Reverse Side

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SEP 21 1977

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES **G. C. C.**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on
reverse side)

30-005-60450
NM 28315

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 28315
1b. 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 Elk Oil Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 310, Roswell, New Mexico 88201			8. FARM OR LEASE NAME Lowe Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660 FSL & 660 FEL At proposed prod. zone Same			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 1/2 miles Northwest of Dexter			10. FIELD AND POOL OR WILDCAT Calumet San Andres
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 280	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. None	19. PROPOSED DEPTH 1700	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 3546			22. APPROX. DATE WORK WILL START* September 15, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

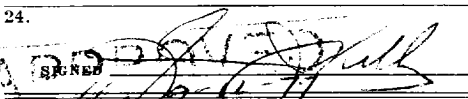
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	20#	1000'	500 SX
7 7/8"	4 1/2"	10.5#	1700'	150 SX

Drill 12 1/4" hole to approximately 1000'. Run 8 5/8" casing and cement w/600 sx. Drill 8" hole to approximately 1700'. Run open hole logs. Run 4 1/2" casing and cement with 150 sx. Perforate and swab test.

Mud Program: 0-1000' Native Mud
1000-1700' No mud (Cable tool interval)

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ARTEJIA, N.M.

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. APPROVED BY  (This space for Federal or State office use)		TITLE President	DATE August 23, 1977
PERMIT NO. SEP 20 1977		THIS APPROVAL IS RETAINED IF OPERATIONS ARE NOT COMPLETED WITHIN 3 MONTHS. APPROVAL DATE	
APPROVED BY H. L. ... ENGINEER		DATE	
CONDITIONS OF APPROVAL, IF ANY:		EXPIRES DEC 20 1977	

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-111
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

ELK OIL COMPANY		Lease		Lower-Federal		Well No. 1	
Section	26	Township	12 South	Range	26 East	County Chaves	
Actual Portage Location of Well:							
660 feet from the south		660 feet from the east					
Ground Level Elev.	3546.2	Producing Formation	San Andres	Calumet	SA		

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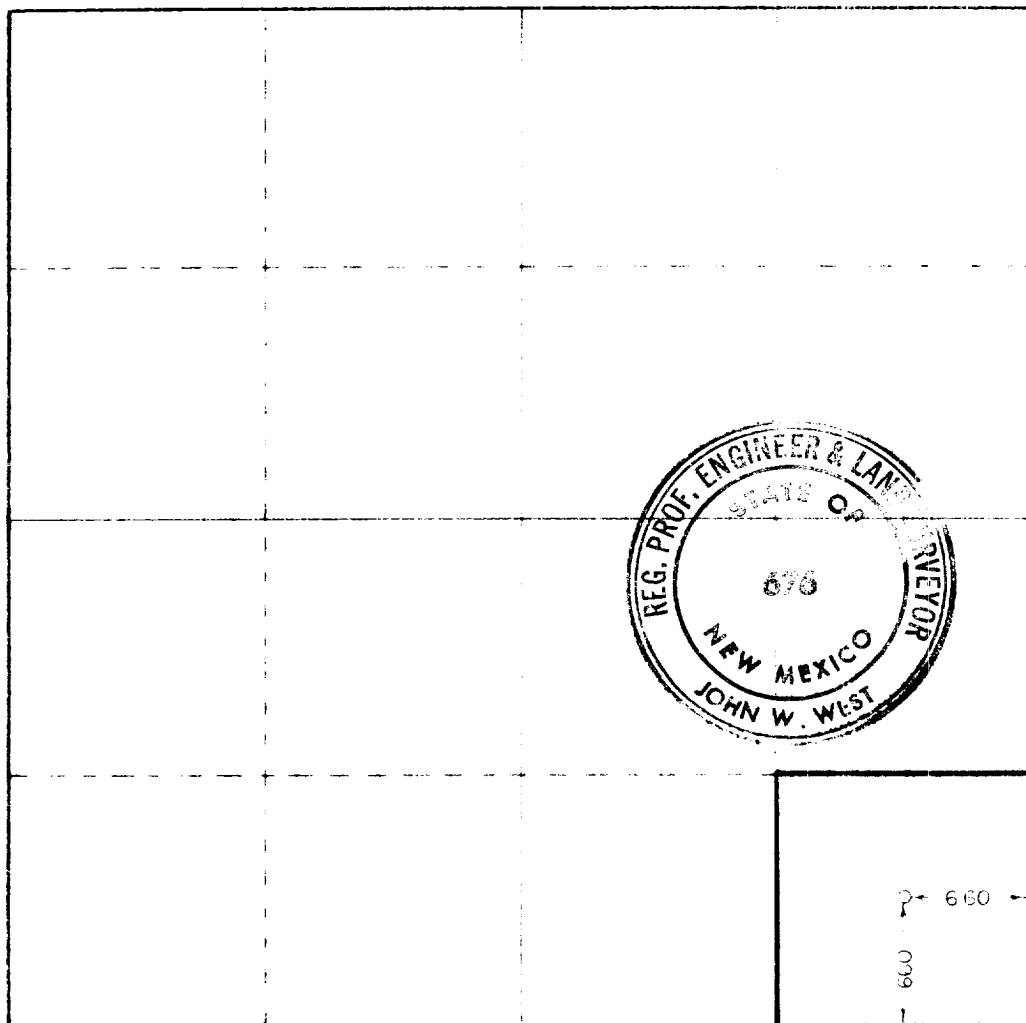
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

Joseph J. Kelly

Joseph J. Kelly
President

Elk Oil Company

August 23, 1977

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.

August 20, 1977

Registered Professional Surveyor

and State of New Mexico

John W. West

Certification No.

676

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

ELK OIL COMPANY
WELL NO. 1 LOWE FEDERAL
660' FSL and 660' FEL Sec. 26-12S-26E
Chaves County, New Mexico
NM 28315

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**U.S. GEOLOGICAL SURVEY
ARTEJA, N. 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 of necessary surface disturbance involved, and the procedures to be followed 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 highway map showing the location of the proposed well as staked. 5½ miles northeast of Dexter on State Highway 409, an improved road, goes north along the west side of Section 26, T-12S, R-26E. Approximately 1 mile east of Highway 409, a ranch road goes east, approximately 1/8 miles south of ranch road, a lease road goes south of proposed wellsite, to well #1.
- B. Exhibit "B" is a plat showing all existing roads within a one-mile radius of the wellsite, and the planned access road.

2. PLANNED ACCESS ROADS:

- A. Beginning at the east line of Section 26 and exiting 660' west, a new road will be constructed with new caliche surface 6" deep and 12' wide, watered and compacted.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells are shown on the attached plat, Exhibit "C".

4. LOCATION OF TANK BATTERIES, ETC.:

- A. Tank batteries or production facilities exist within one mile of the proposed location owned or controlled by Elk Oil Company, shown on attached plat Exhibit "C".
- B. In the event the proposed well is productive, the production facilities will be located in the southwest portion of the drillsite. The facility will consist of 2-200 barrel stock tanks and a heater treater.
- C. The reserve pits will be back filled and leveled and the surface returned to its original contours.

5. LOCATION AND TYPE OF WATER SUPPLY:
 - A. There is no known surface water in the area.
 - B. A windmill is located approximately 2500' northeast of the proposed location.
 - C. All water used in drilling operations will be trucked to the drillsite from commercial sources.
6. SOURCE OF CONSTRUCTION MATERIALS
 - A. Construction material will be caliche, which will be purchased by the dirt contractor.
7. METHODS FOR HANDLING WASTE DISPOSAL:
 - A. Well cuttings will be disposed in the reserve pit. All waste and trash will be either burned or buried in a separate pit.
 - B. After completion any produced water will be collected in tanks and trucked to an approved disposal system.
 - C. During testing operations, all produced fluids will be collected in tanks and trucked from the well site.
8. ANCILLARY FACILITIES:
 - A. None anticipated.
9. WELL SITE LAYOUT:
 - A. Attached is a plat of the well site and rig layout, Exhibit "D".
10. PLANS FOR RESTORATION OF THE SURFACE:
 - A. As soon as practical upon completion of the well, the pits will be back filled and leveled and the surface returned to its original contours.
11. OTHER INFORMATION:
 - A. See attached topographic map for terrain of the general area.
 - B. The soil is a thin, sandy alluvium underlain by a caliche hardpan.
 - C. Vegetation is mesquite and sparse semi-desert grass and weeds.

12. OPERATOR'S REPRESENTATIVE:

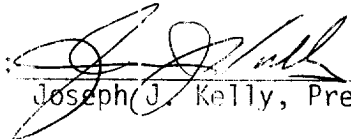
Joseph J. Kelly
Box 310
Roswell, New Mexico 88201

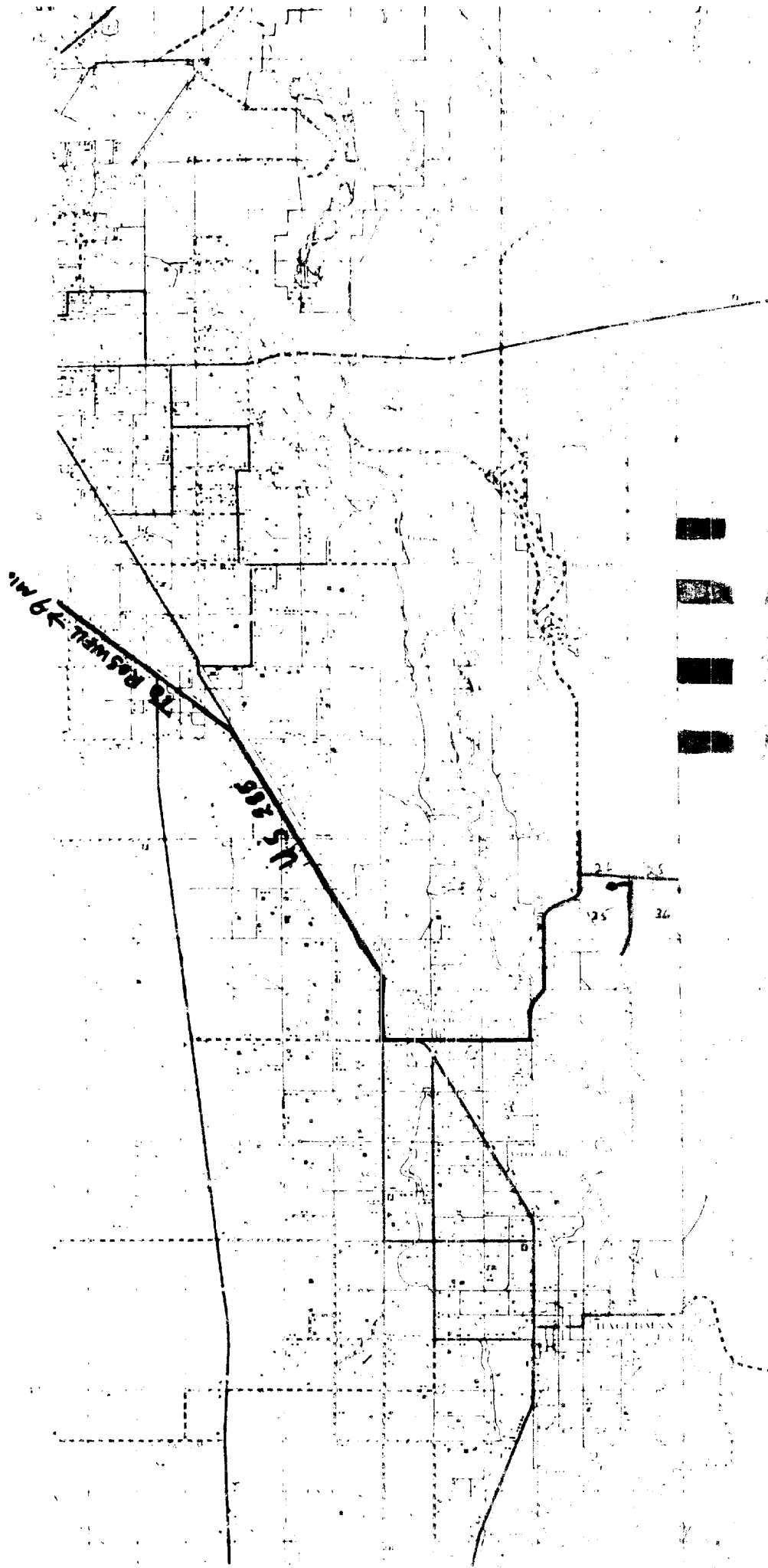
Office Phone: (505) 623-3190
Home Phone: (505) 623-6074

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 ELK OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date: 8/23/77

BY: 
Joseph J. Kelly, President



- Proposed Well
- Existing Access Road
- Proposed 12' (12' wide)
- Proposed Well Site

EXHIBIT "A"
Elk Oil Company
Well No. 1 Lowe Federal
660' FEL, FSL, Section 26
Township 12 South, Range 26 East
Chaves County, New Mexico

120

(BOTTOMLESS LAKES)

17'30"

2257 22

19

State Highway 409

LEASE LINE

KGS

Dexter

Elk Oil Company
Well No. 1 Lowe Federal
660' FEL, FSL, Section 26
Township 12 South, Range 26 East
Chaves County, New Mexico

Scale 1" = 4000'

R-26-E

T
12
S

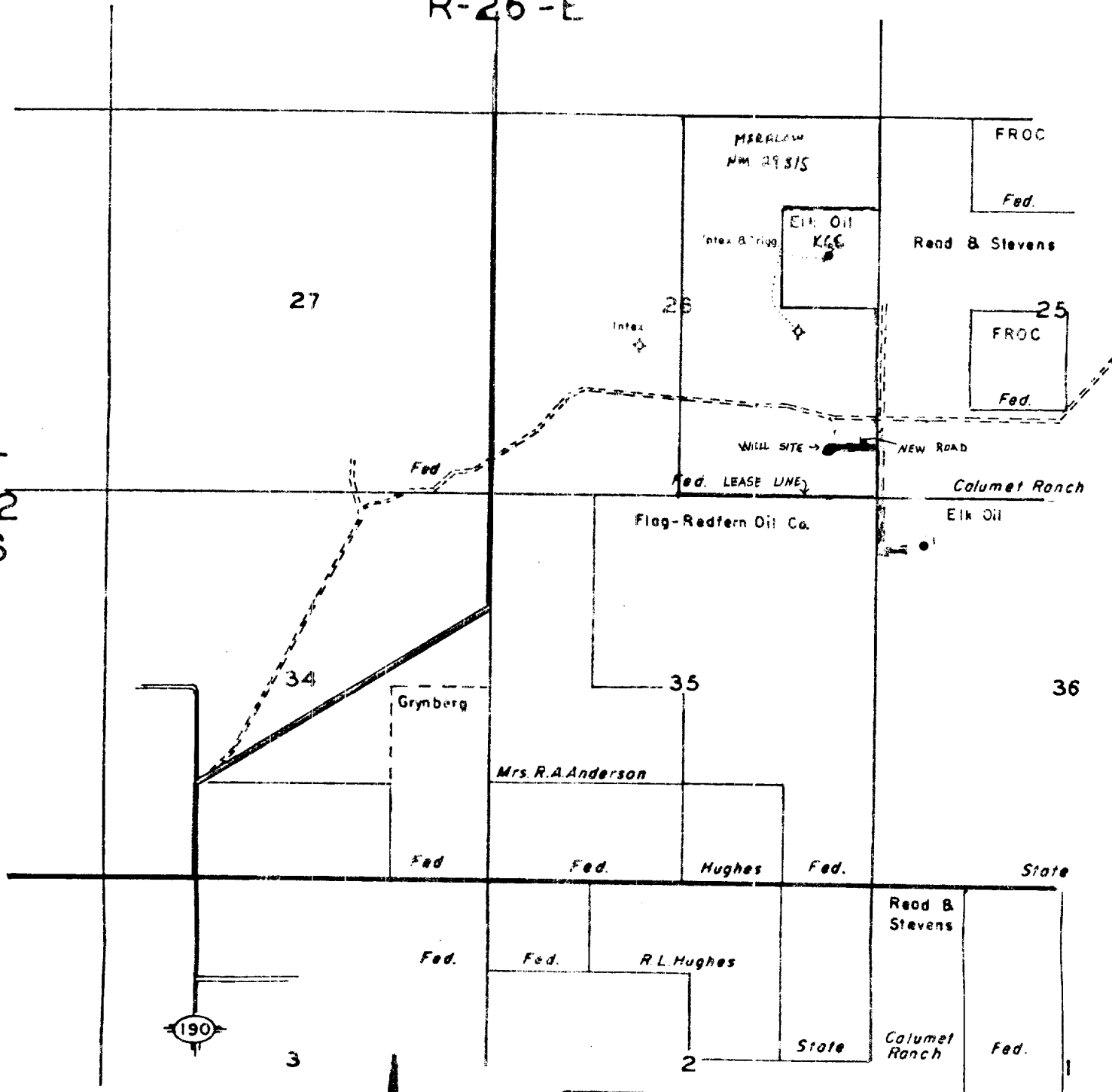


EXHIBIT "C"

Elk Oil Company
Well No. 1 Lowe Federal
660' FEL, FSL, Section 26
Township 12 South, Range 26 East
Chaves County, New Mexico

Scale 1" = 2000'

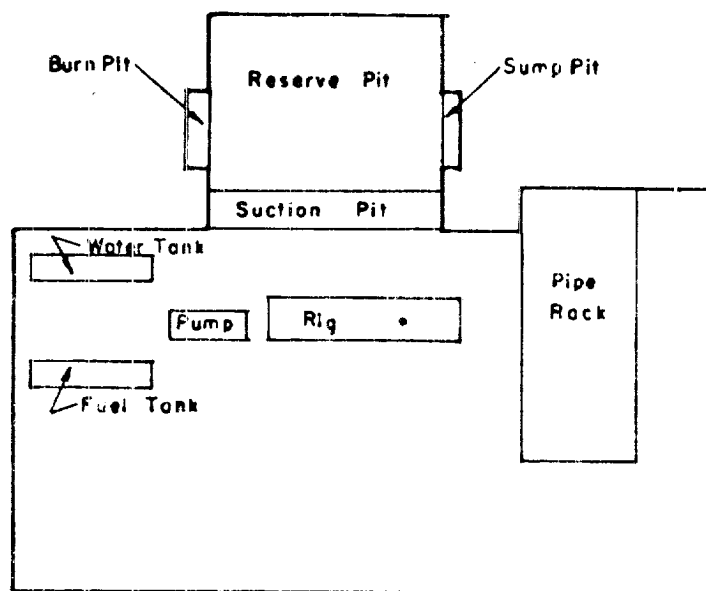


EXHIBIT "D"
 Elk Oil Company
 Well No. 1 Lowe Federal
 660' FEL, FSL, Section 26
 Township 12 South, Range 26 East
 Chaves County, New Mexico

Scale 1" = 50'