

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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  
McClellan Oil Corporation

3. ADDRESS OF OPERATOR  
P. O. Dr. 730, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1980' FNL and 1980' FEL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
13 miles Northeast of Roswell, New Mexico

16. NO. OF ACRES IN LEASE  
1200

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160

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

19. PROPOSED DEPTH  
4150'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3547 GR

22. APPROX. DATE WORK WILL START\*  
October 1, 1981

5. LEASE DESIGNATION AND SERIAL NO.  
NM-35925

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Dana Federal

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 5-T9S-R25E

12. COUNTY OR PARISH  
Chaves

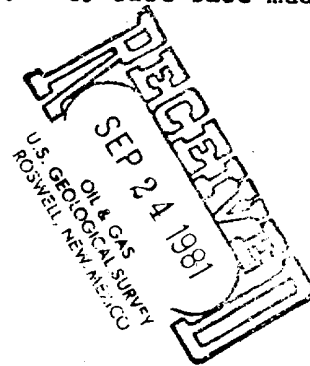
13. STATE  
New Mexico

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48#	40'	6 yards ready mix
10 3/4"	8 5/8"	20#	400-450'	300 Sx Circulated
7 7/8"	4 1/2"	10.5#	4150'	300 Sx

Mud Program: Will drill with native mud to the top of the Abo. Will mud-up with 10 cc water loss, 50 viscosity and 9.2 wt. salt base mud.

Gas sales are not dedicated.



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 George H. Stewart Agent for:  
TITLE McClellan Oil Corporation DATE Sept. 24, 1981

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE \_\_\_\_\_

APPROVED BY (Orig. Sgd.) GEORGE H. STEWART TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

FOR

JAMES A. GILMAN  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

All distances must be from the outer boundaries of the Section.

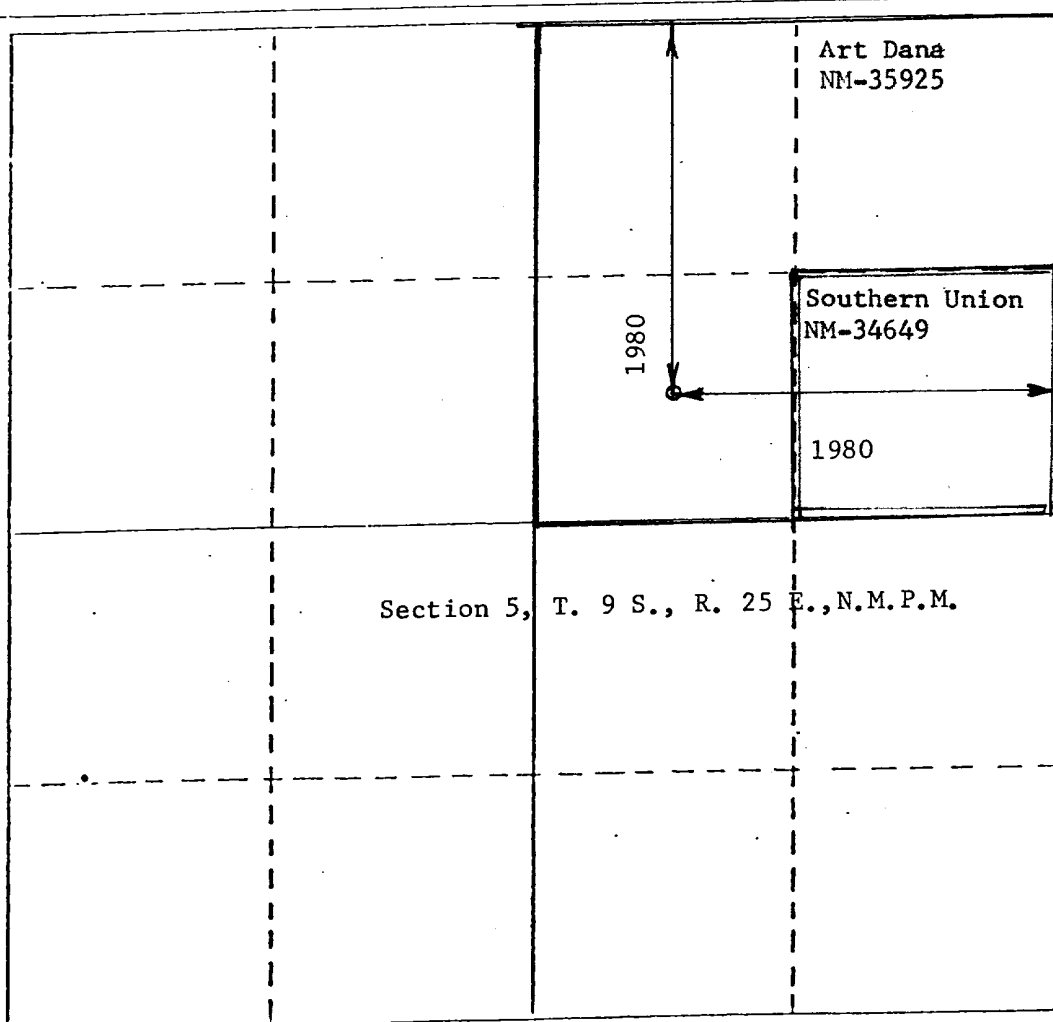
Operator <b>McClellan Oil Corp.</b>			Lease <b>Dana Federal</b>			Well No. <b>2</b>		
Unit Letter <b>S</b>	Section <b>5</b>	Township <b>9 South</b>	Range <b>25 East</b>	County <b>Chaves</b>				
Actual Footage Location of Well: 1980 feet from the East line and 1980 feet from the North line								
Ground Level Elev. <b>3547</b>	Producing Formation <b>Abo</b>		Pool <b>Undesignated</b>			Dedicated Acreage: <b>160</b> 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 Communitization

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 Division.



CERTIFICATION

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

*George R. Smith*

Name  
**George R. Smith**

Position  
**Agent for:**

Company  
**McClellan Oil Corp.**

Date  
**Sept. 24, 1981**

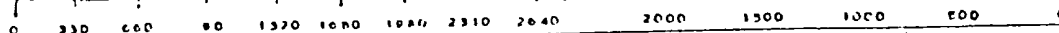
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**September 14, 1981**

Registered Professional Engineer and/or Land Surveyor

**John D. Jaquess P.E. & L.S.**

Certificate No.  
**6290**



# APPLICATION FOR DRILLING

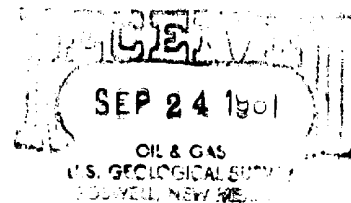
McCLELLAN OIL CORPORATION  
Dana Federal, Well No. 1  
1980' FNL & 1980' FEL, Sec. 5, T9S-R25E  
Chaves County, New Mexico  
Lease No.: NM-35925  
(Exploratory Well)

In conjunction with Form 9-331C, Application for Permit to Drill subject well, McClellan Oil Corporation submits the following items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Permian with quaternary alluvium other surficial deposits.
2. The estimated tops of geologic markers are as follows:

San Andres	550'	Abo	3550'
Glorieta	1350'	T. D.	4150'
Tubb	2850'		
3. The estimated depth at which anticipated water, oil, or gas formations are expected to be encountered:  
Water: Possible surface water from 100' - 300'.  
Oil: None expected.  
Gas: Abo between 3550' and 4150'.
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: BOP's are Schaffer Model 39, 4500 lb. test. See Exhibit "E".
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging and Coring Program:  
Drill Stem Tests: None planned.  
Logging: Compensated Neutron Formation Density      Surface to T. D.  
          Dual Induction-SFL                                      Int. Csg. to T. D.  
          Cyberlook    100' above Abo to T.D.  
Coring: None planned.
9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: October 1, 1981.  
Anticipated completion date of drilling operations: Two weeks.

McCLELLAN OIL CORPORATION  
1980' FNL & 1980' FEL, Sec. 5-T9S-R25E  
Chaves County, New Mexico  
Lease No.: NM-35925  
(Exploratory Well)



This plan is submitted with the Application for Permit to Drill the above captioned well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, 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 operations.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a New Mexico State Highway Department map showing the location of the well as staked. Exhibit "B" is a section of a USGS Topo map also showing the well location as staked. The well site is approximately 13 miles northeast of the U. S. highway 285/70 "Y" north of Roswell, New Mexico. There will be approximately 7.6 miles of U. S. Highway 285 north, and 5.3 miles of county and ranch roads.
- B. Directions: Travel north on U. S. Highway 285 for approximately 7.6 miles from the U. S. Highway 285/70 "Y". Upon reaching an electric power station on the left side of the highway, turn right (east) onto the county gravel road. Continue east on this road for approximately 2.6 miles where the county road turns northeast at a fork in the road. Continue straight on the east fork for approximately .4 mile to the Texas-New Mexico Oil pipeline crossing. Turn southeast on the pipeline road approximately 1.2 mile to a gate. Pass through the gate and turn left (east) and travel southeast along the Transwestern pipeline ROW for approximately 1.8 miles to the start of the new access road to the drill site. The new 500 foot access road and the drill site are staked and flagged.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The new access road will be 12 feet wide (20' ROW) and approximately 500 feet long.
- B. Construction: The new access road will be constructed by grading and topping with compacted caliche. The surface will be properly drained.
- C. Turnouts: There will be a turnout where the access road starts and turns south at the pipeline ROW. No other turnouts are required.
- D. Culverts: None will be required.
- E. Cuts and Fills: None will be required.
- F. Gates and Cattleguards: There will be two cattleguards required on the existing access road and pipeline ROW.

3. LOCATION OF EXISTING WELLS:

A. Existing wells within a two mile radius are shown on Exhibit "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. There are no production facilities on this lease at the present time.

B. If the well proves to be commercial, the necessary production facilities, gas separation-process equipment and tank battery will be installed on the drilling pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with fresh and brine water. The water will be obtained from private and commercial sources and will be transported over the existing and proposed access roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing the access road and well site pad will be obtained from a private pit owned by Armstrong and Armstrong Construction Co. Top soil from the location will be stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except for those necessary for actual grading and leveling of the drill site and access road.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drill cuttings will be disposed of in the reserve pits.

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

C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.

D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted to the USGS for approval.

E. Oil produced during operations will be collected in tanks until sold.

F. Current laws and regulations pertaining to the disposal of human waste will be complied with.

G. 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.

H. All trash and debris will be removed from the well site or buried within 30 days after finishing drilling and/or completion operations.

8. ANCILIARY FACILITIES:

A. None required.

9. WELLSITE LAYOUT:

A. Exhibit "D" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged.

B. Mat Size: 175' X 195'

C. Cut and Fill: The wellsite pad will not require any cutting or filling since it is all a very flat old lake bottom.

D. The surface will be topped and compacted with caliche and the reserve pit will be plastic lined.

10. PLANS FOR RESTORATION OF THE SURFACE:

A. After completion of drilling and/or completion operations all equipment and other material not used for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until filled.

C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION:

A. Topography: The land surface in the vicinity of the wellsite is a flat old lake bottom.

B. Soil: The topsoil at the wellsite and the access road is a white sandy gyp soil.

C. Flora and Fauna: The vegetative cover consists mainly of salt cedar, with some miscellaneous flowers and weeds and a heavy sacaton grass cover. No wildlife was observed but it is likely that typical semi-arid desert wildlife inhabit the area, which is used for cattle grazing.

D. Ponds and Streams: There are no streams or natural or manmade ponds in the area.

E. Residences and other Structures: There are no residences or other structures within a mile of the well site.

F. Land Use: Cattle grazing.

11. OTHER INFORMATION: cont.....

- G. Surface Ownership: The proposed location and access road is on Federal surface and minerals.
- H. There is no evidence of any archaeological, historical or cultural sites in the area. An archaeological survey has been conducted by New Mexico Archaeological Services, Inc., P. O. Box 1341, Carlsbad, New Mexico 88220, and their report has been submitted to the appropriate government agencies.


12. OPERATOR'S REPRESENTATIVES:

Paul Ragsdale	Jack L McClellan
601 Moore	3106 N. Montana
Roswell, New Mexico 88201	Roswell, New Mexico 88201
Telephone: (505) 622-8302 (office)	Telephone: (505) 622-3200 (office)
(505) 623-3940 (home)	(505) 622-4076 (hone)
Mobile: (505) 623-0989 Unit # 4128	

13. CERTIFICATION:

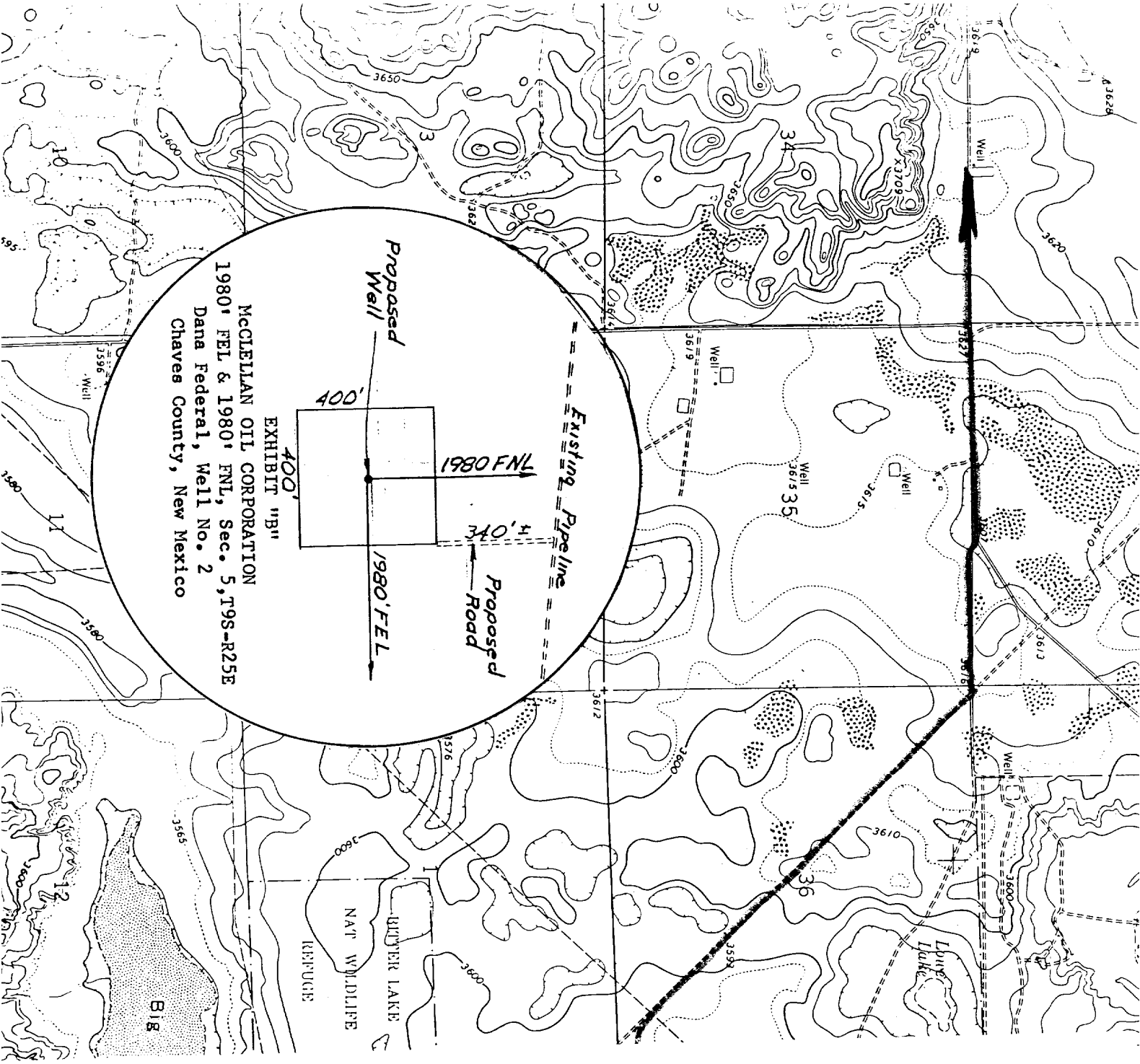
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge true and correct; and that the work associated with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

September 24, 1981

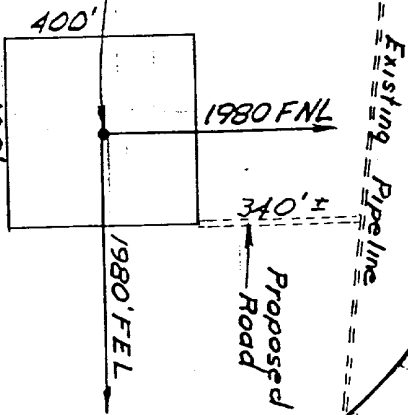
  
George R. Smith  
Agent for:  
McClellan Oil Corporation



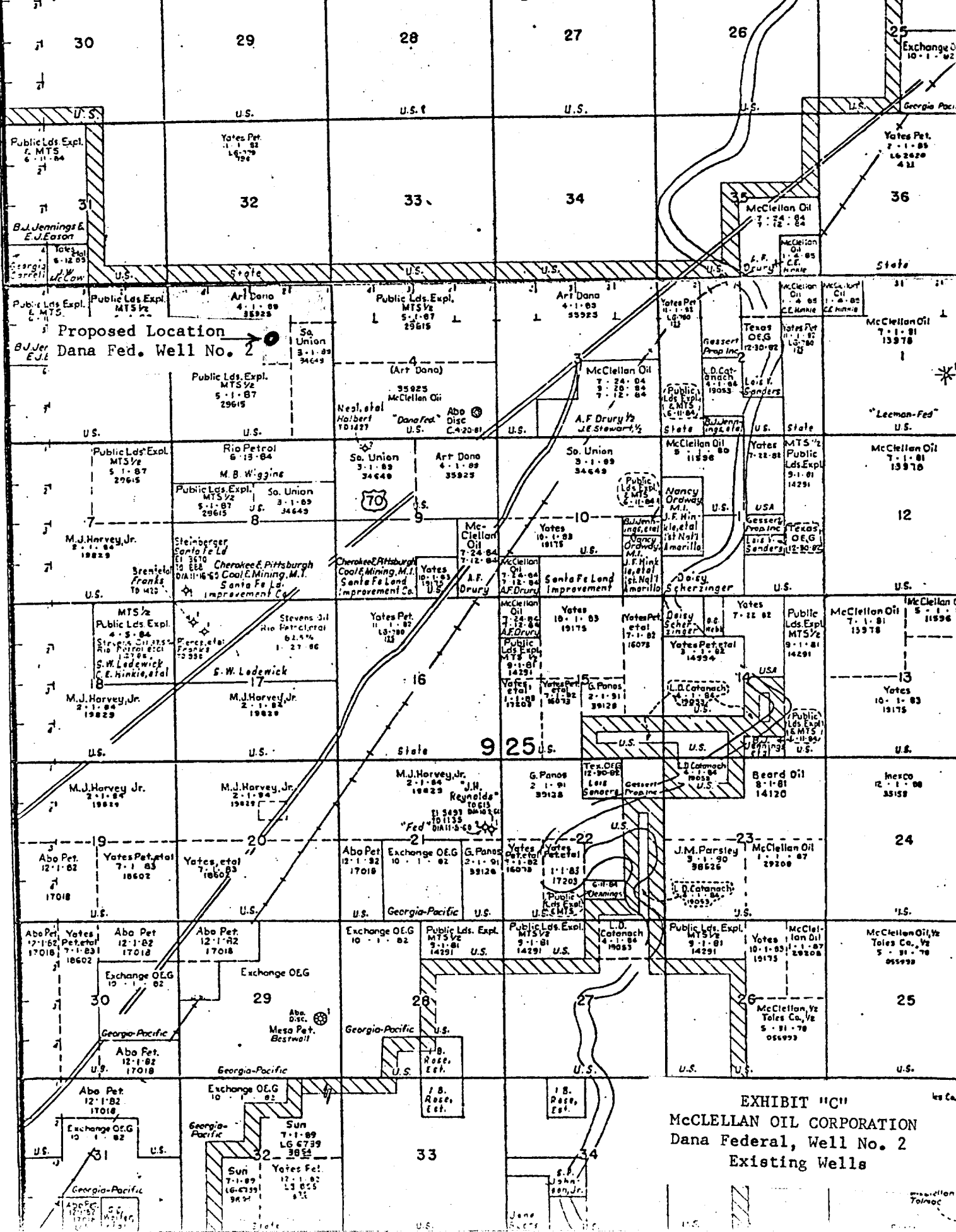




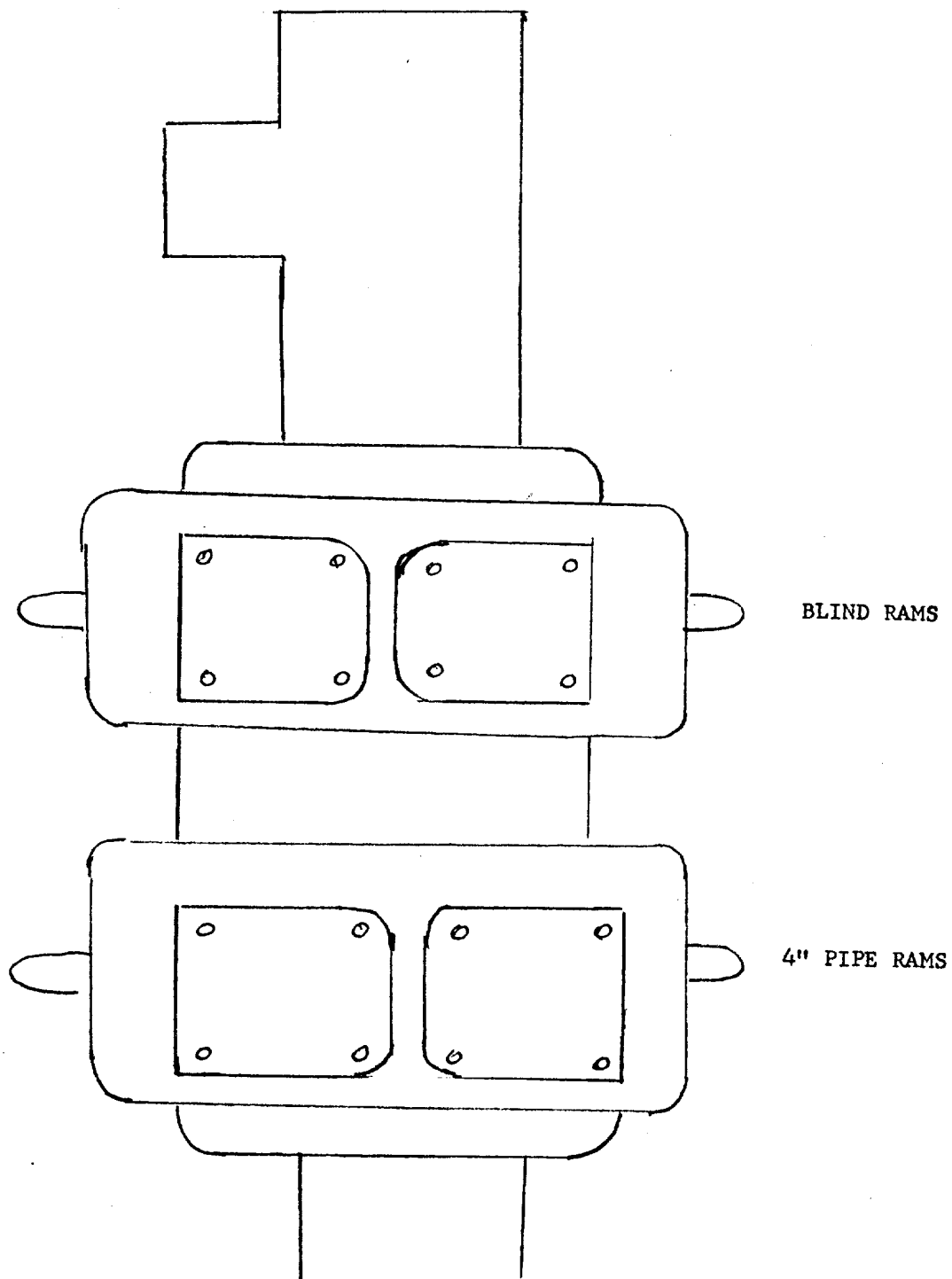
McIELLAN OIL CORPORATION  
EXHIBIT "B"  
1980' FEL & 1980' FNL, Sec. 5, T9S-R25E  
Dana Federal, Well No. 2  
Chaves County, New Mexico



# Bitter Lake National Wildlife Refuge







TEX-MEX BOP Diagram for Rig # 2  
Schaffer Model 39  
4500 lb. psi test

EXHIBIT "E"  
McCLELLAN OIL CORPORATION  
Dana Federal, Well No. 2  
Blowout Preventer Spec.