

N.M.O.C.D. COPY

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

30-005-60957

5. LEASE DESIGNATION AND SERIAL NO.

N.M. 32324

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

RECEIVED

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME MAY 8 1981
M & M Fed.9. WELL NO. O. C. D.
#1 ARTESIA, OFFICE

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 21 T6S R23E

12. COUNTY OR PARISH 13. STATE

Chaves

N. M.

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

Fred Pool Jr. Drilling Co. ✓

3. ADDRESS OF OPERATOR

Box 1300 Clovis Star Rt. Roswell, N. M. 88201

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

At surface

1980 FSL and 660 FWL Sec. 21

At proposed prod. zone

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

30 miles NW of Roswell

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

1120

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.

None

19. PROPOSED DEPTH

4200

20. ROTARY OR CABLE TOOLS

Rotary

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

22. APPROX. DATE WORK WILL START*

May 10, 1981

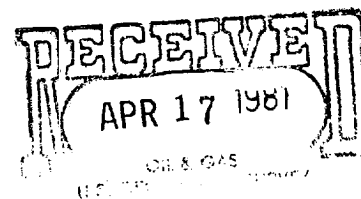
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8	54.50 #	30'	Grouted in
12 1/4	8 5/8	24	1000'	1000 sx circulated
7 7/8	4 1/2	10.5 #	4200'	650 sx circulated

Selectively perforate and treat pay zone. Gas is not dedicated to a pipeline. Attached are:

Survey Plat (c-102)
Supplemental Drilling Data
Surface Use Plan



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

TITLE President

DATE 4-16-81

(This space for Federal or State office use)

PERMIT NO.

GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

MAY 1 1981

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

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

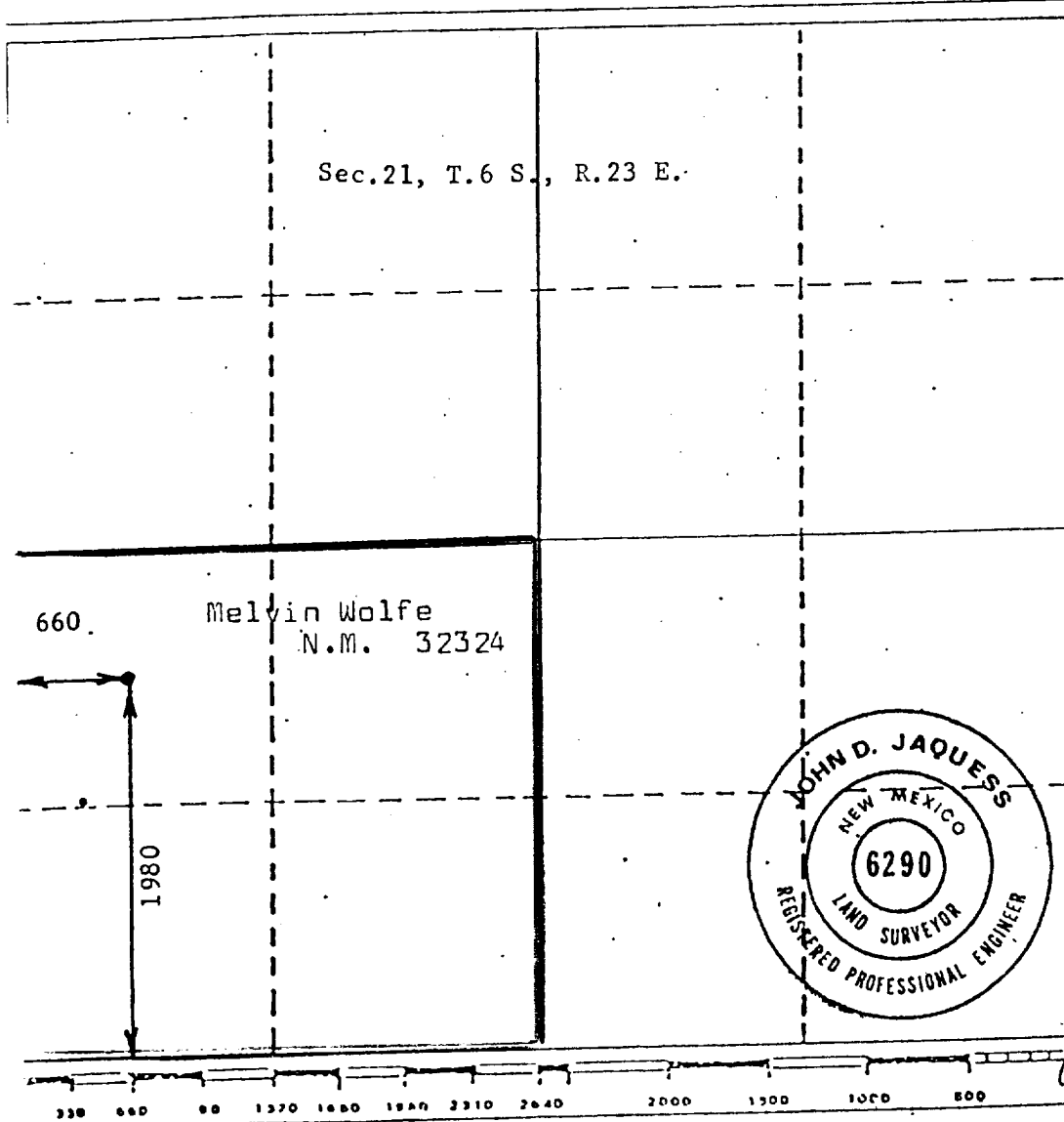
Operator Fred Pool Jr.		Lease M & M Federal		Well No. 1	
Well Letter L	Section 21	Township 6 South	Range 23 East	County Chaves	
Actual Footage Location of Well: 660 feet from the West line and 1980 feet from the South line					
Ground Level Elev. 4103	Producing Formation ABO	Pool Wildcat Und.		Dedicated Acreage: 160 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 Division.



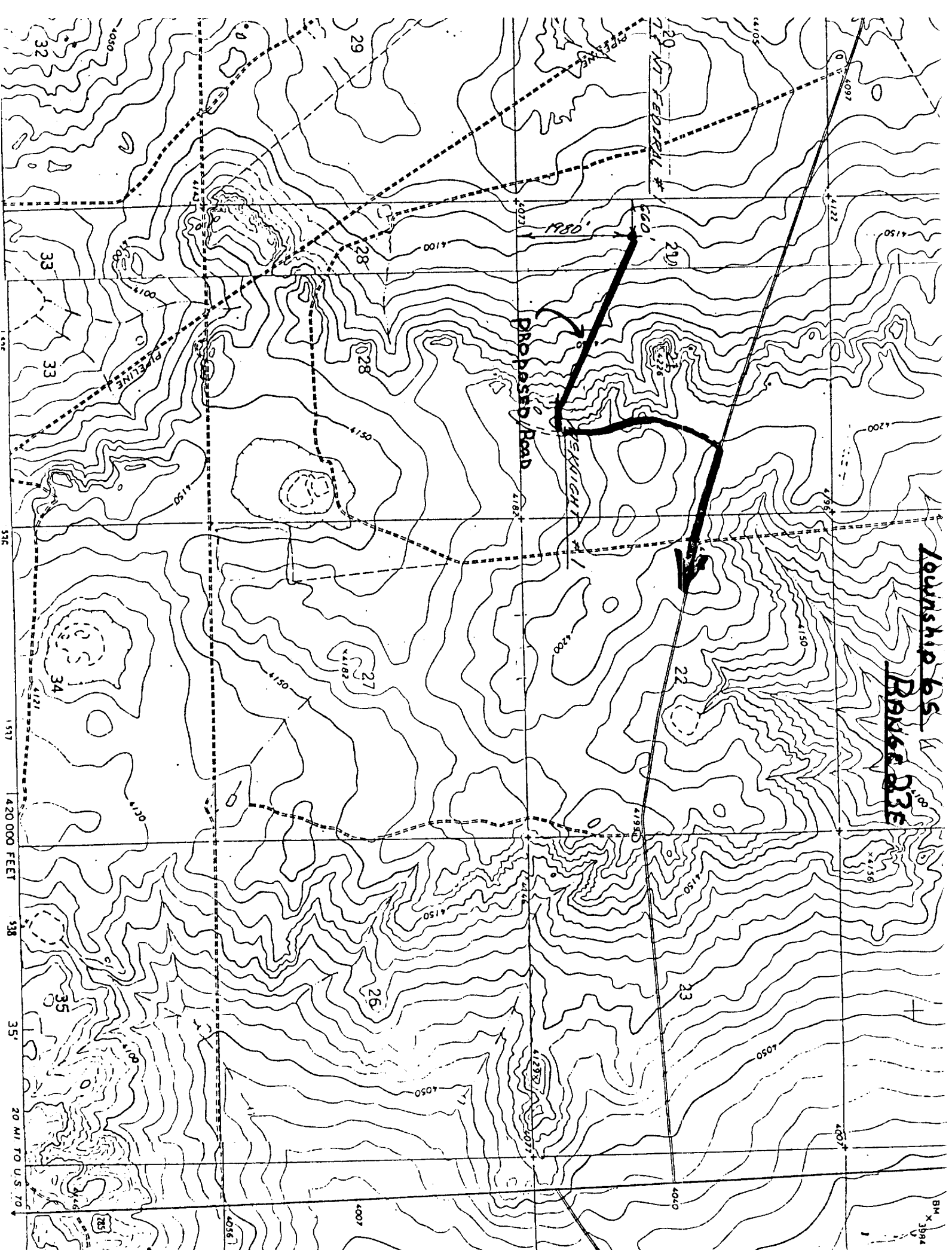
CERTIFICATION

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

Name **Fred Pool Jr.**
Position **President**
Company **Fred Pool Drilling**
Date **4-14-81**

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 **April 14, 1981**
Registered Professional Engineer and/or Land Surveyor
John D. Jaquess
John D. Jaquess, P.E. & L.S.
Certificate No. **6290**



ESTIMATED TOPS

M & M Federal #1

San Andres	Surface
Glorieta	1000'
Tubb	2500'
Abo	3050'
Wolfcamp	3680'

SUPPLEMENTAL DRILLING DATA

Fred Pool Drilling Company
Well #1 M & M Federal
660 FWL 1980 FSL Section 21
Township 6S Range 23E Chaves County, N.M.

In conjunction with form 9-331C, application for permit to drill subject well, Fred Pool Drilling Company submits the following items of pertinent information in accordance with USGS requirements.

1. Surface Formation: Permian
2. Production Zone: Abo
3. Proposed Depth: 4200'
4. Proposed Casing Program: See Form 9-331C
5. Auxiliary Equipment: Shaffer Double Ram Series 900, BOP to be used.
6. Testing and Logging Program: Surface: Casing to TD
Logging: a) Compensated Neutron Formation Density
b) Dual Laterlog Micro-SFL
c) Computer processed
7. Anticipated starting date: It is planned that operation will commence May 10, 1981.

MULTI-POINT SURFACE USE

AND

OPERATIONS PLAN

Fred Pool Drilling Company
M & M Federal #1
660 FWL 1980 FSL Section 21
Township 6S, Range 23E, Chaves County, N.M.

This plan is submitted with Form 9-331C, application for permit to drill. The purpose for this plan is to describe the location of proposed well, the proposed construction activities, pad, and access roads.

1. LOCATED: 30 Miles N.W. of Roswell
2. FEDERAL LEASE NUMBER: NM 32324
3. RECORD LESSEE: Melvin Wolfe
4. OPERATION AUTHORITY: Designation of operator from record lessee.
5. BOND COVERAGE: \$10,000. Bond of oil & gas, Lessee
6. ACRES IN LEASE: 1120 More or less
7. SURFACE OWNERSHIP: William McKnight
Dunlap Star Route
Roswell, New Mexico 88201
8. WELL SPACING: ABO 160 Acres
9. DIRECTION: Starting point is intersection of Highway 70 and Highway 285 N. of Roswell. Take Highway 285 North 26 miles to Cottonwood Ranch Road Turn West 3.0 miles, turn south to location approximately 1.5 miles.

10. PLANNED ACCESS ROAD:

- A. See Exhibit "A"
- B. The proposed new access road will be approximately 3/4 mile in length.
- C. The new road will be 12 feet in width (Driving surface, except at point of origin, adjacent to existing road, at which point enough additional width will be provided to allow heavy trucks and equipment to turn.

11. WATER SUPPLY: Water tanks will be used. Water to be hauled.

12. LOCATION OF EXISTING WELLS: There is no producing well on this lease at the present time.

13. WELL SITE LAYOUT:

- A. The drill site has been surveyed, staked and flagged.
- B. The dimensions of location and pits is shown on attachment "B".

14. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operation, all equipment and other material not needed 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 fluid will be fenced until they are filled.

15. PONDS AND STREAMS: None
16. SOURCE ON CONSTRUCTION MATERIAL: Some caliche may be hauled from Federal pit.
17. ARCHAEOLOGICAL REPORT: Archaeological report was preformed by E.N.M.U., April 16, 1981. This report will be submitted to USGS office in Roswell, and the BLM office in Roswell.
18. LAND USE: Grazing and occassional hunting.
19. OPERATOR'S REPRESENTATIVE: Representative responsible for assuring compliance with the approved surface use plan:

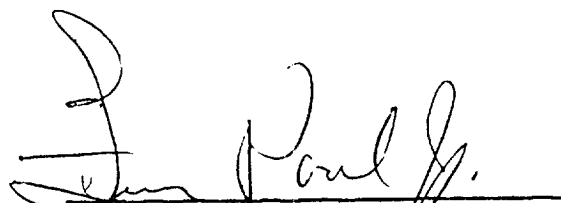
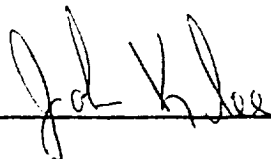
John Klee
Box 1300 Clovis Star Route
Roswell, New Mexico 88201
Phone: (505) 623-8202

20. CERTIFICATION:

I hereby certify that I have inspected the proposed drill site and access routes that I am familar with the conditions which presently exists; 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 FRED POOL DRILLING COMPANY and its subcontractors in conformity with this plan and terms and conditions, under which it is approved.

Prepared: April 14, 1981.

by

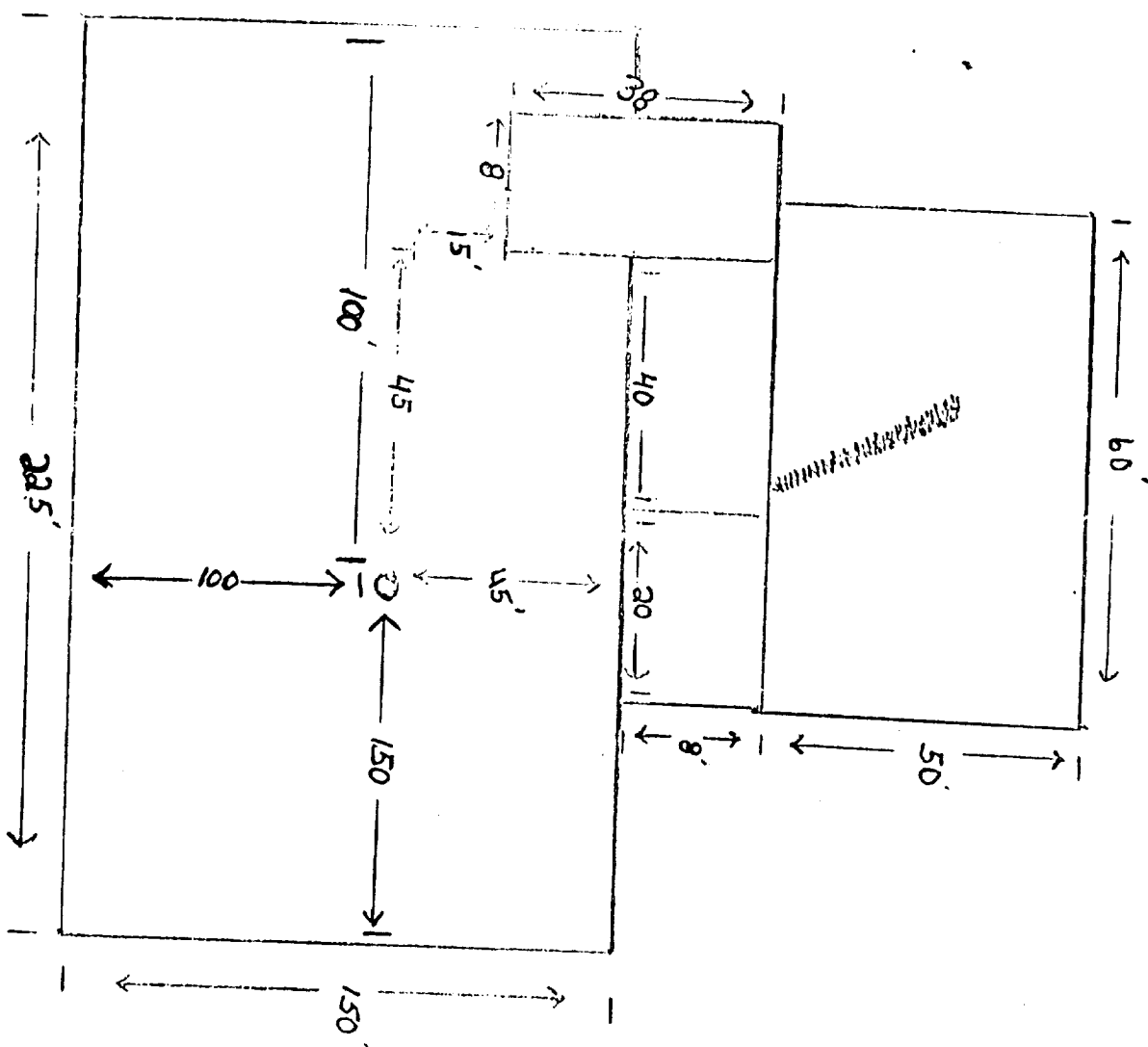


Fred Pool Jr.
FRED POOL DRILLING COMPANY

EXHIBIT B

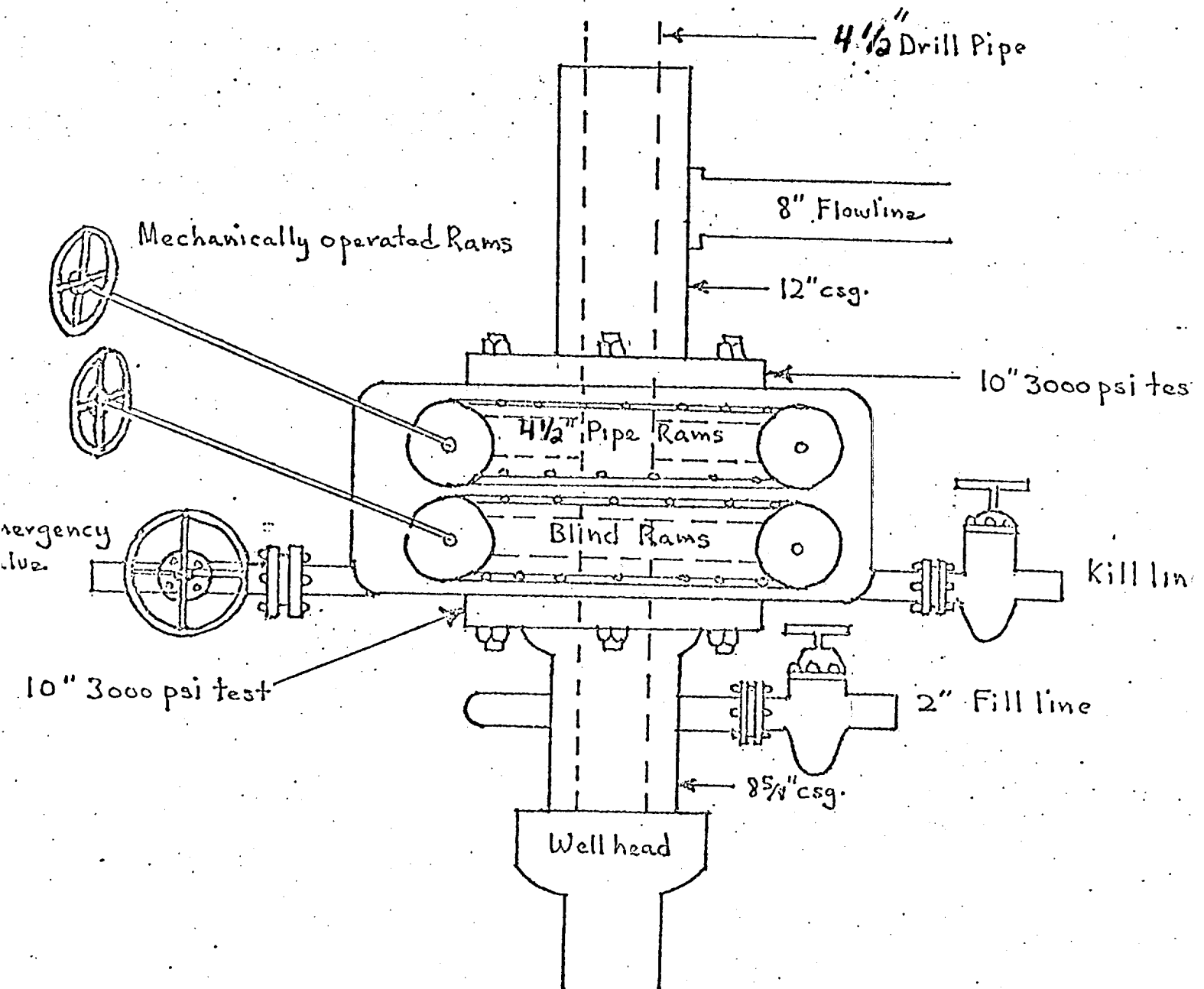
Fred Pool Drilling, Inc.

location plat



Reserve Pits 4 ft. deep
Working pits 5 ft. deep

Blowout Preventer Specifications



BOP's are Shaffer Double Rams Series 900, 10 inch. mechanically operated. Rated to 3000 psi. Rams consist of one 4 1/2 inch pipe rams and one blind rams. All connections and valves are 3000 psi working pressure.