

Artesia, NM ~~88202~~ NOTED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.

30-005-62651

5. LEASE DESIGNATION AND SERIAL NO.

NM-36159

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mustang Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat Montoya H

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

Sec. 33-T6S-R27E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

## 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 Drilling, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1393, Roswell, NM 88202

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

At surface

At proposed prod. zone  
1980' FNL and FWL 747/N 990/W  
same

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

10 miles NW of Elkins, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1980'

16. NO. OF ACRES IN LEASE

760

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.

none

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

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

4060' or 3965'

22. APPROX. DATE WORK WILL START\*

October 15, 1988

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	13 3/8" Conductor	48#	30'	suff to circ
12 1/4" or 12"	8 5/8"	24#	1300'	suff to circ
7 7/8"	5 1/2"	17#	6500'	suff to cover 500' above pay

RECEIVED

NOV 25 '88

O. C. D.  
ARTESIA OFFICEAttached: 1. C+102 Survey Plat  
2. Supplemental Drilling Data  
3. Surface Use Plan  
4. Maps

BOP will be installed at the offset and tested daily.

GAS NOT DEDICATED.

EXP IN  
1-30-96

30-005-62651

Post ID-1  
NL & API  
12-2-88

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

Rod Rodriguez

TITLE Agent

DATE 9-21-88

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Thomas Meyer, Acting

TITLE

Area Manager

DATE

NOV 10 1988

CONDITIONS OF APPROVAL, IF ANY:

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION  
FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION  
OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT  
ADVANCE.APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR  
CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE  
TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD  
ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

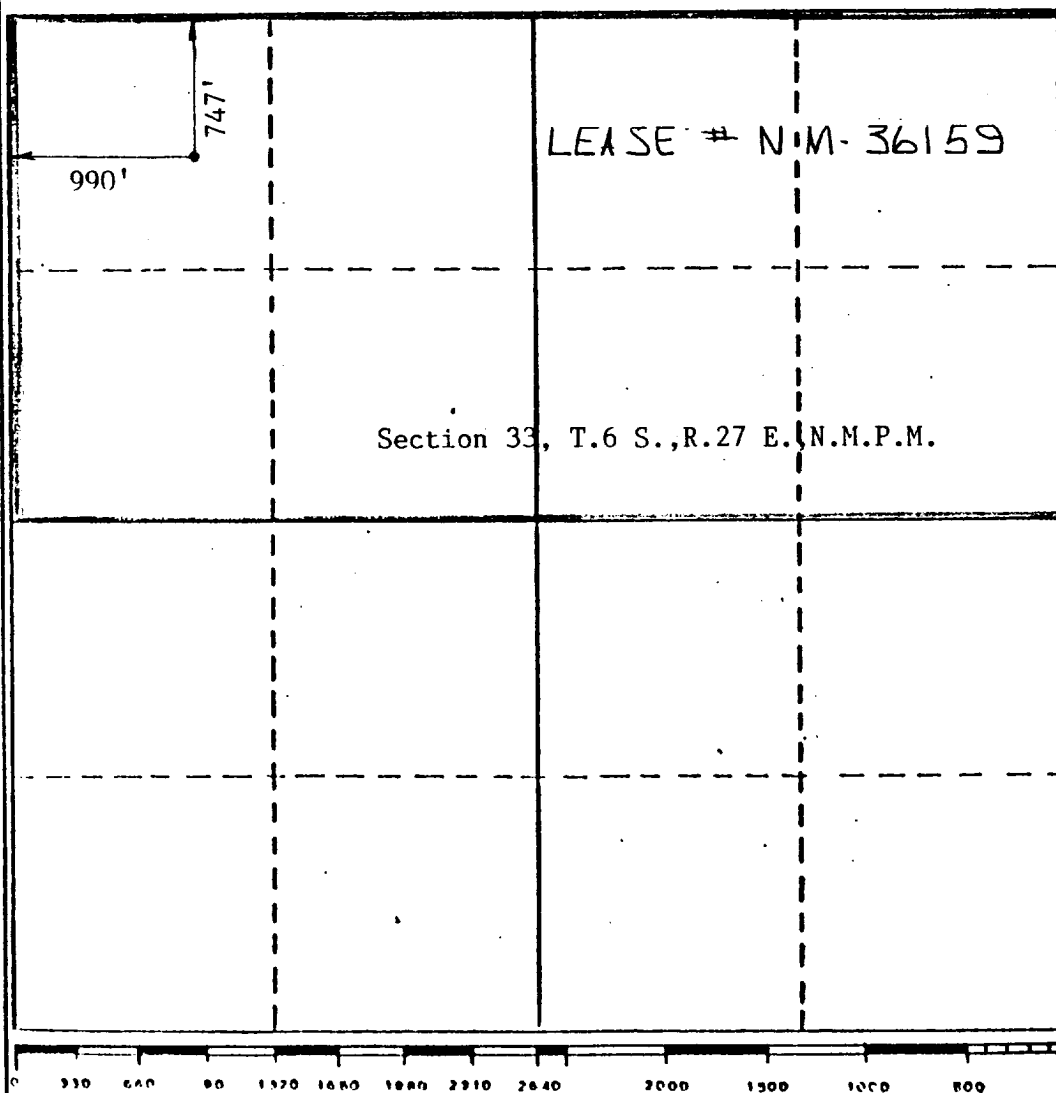
Operator Fred Pool Drilling, Inc.		Lease Mustang Federal		Well No. 1
Unit Letter D	Section 33	Township 6 South	Range 27 East	County Chaves
Actual Footage Location of Well: 747 feet from the North line and 990 feet from the West line				
Ground Level Elev. 3965	Producing Formation MONTROYA	Pool WILDCAT MONTROYA	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 Division.



## CERTIFICATION

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

*Rod Rodriguez*  
Name  
ROD RODRIGUEZ

Position  
AGENT FOR

Company  
FRED POOL DRILLING, INC.

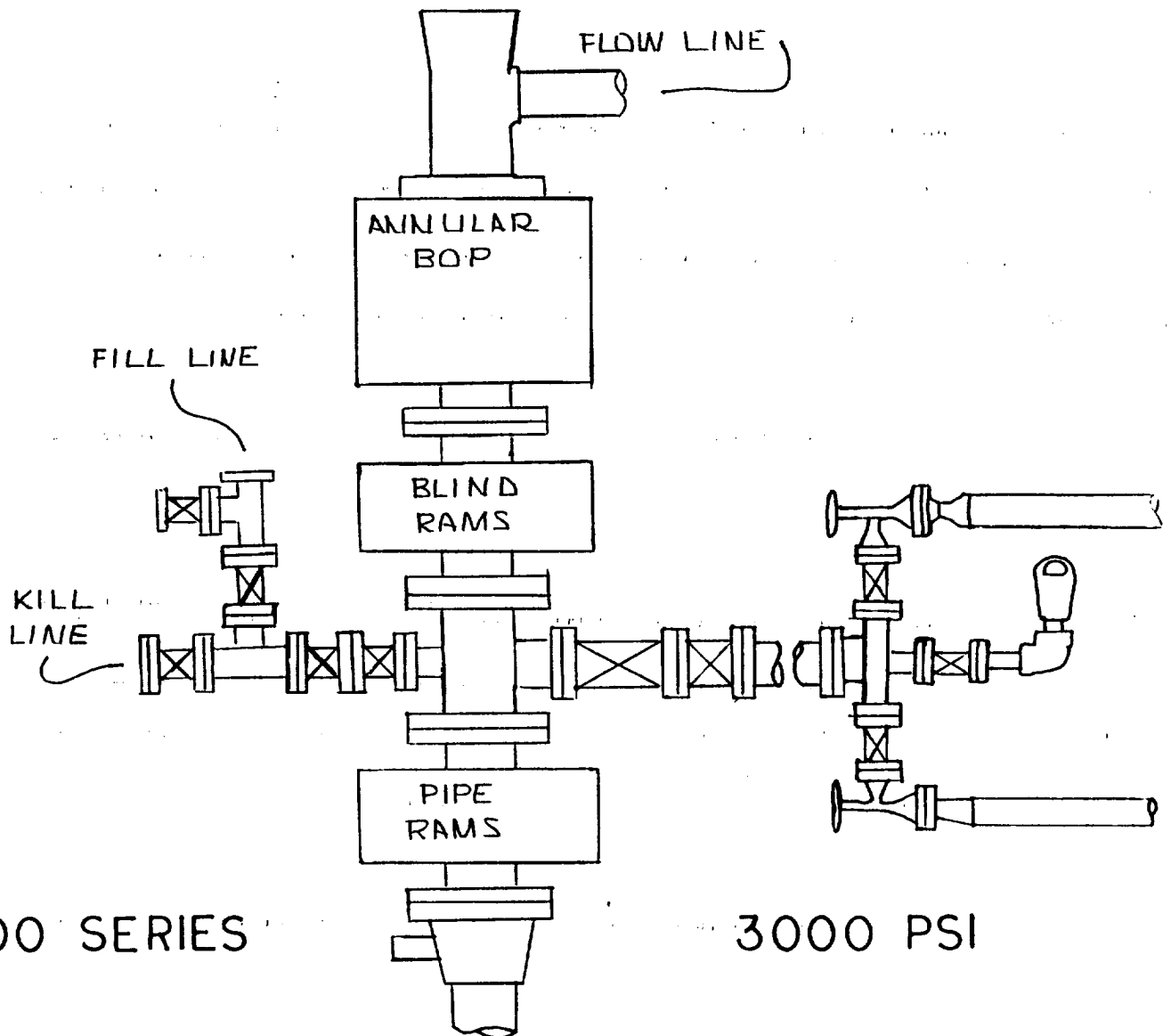
Date  
10-17-88

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  
October 14, 1988  
Registered Professional Engineer  
on/for Land Surveyor  
John D. Jaquess, P.E. L.S.  
Certificate No. 6290

EXHIBIT  
Fred Pool Drilling, Inc.  
Mustang Federal #1  
1980' FNL and FWL  
Section 33-T6S-R27E  
Chaves County, NM

## BOP



Fred Pool Drilling, Inc.  
Mustang Federal #1  
747/N 990/W ~~1980' FNL and 1980' FWL~~  
Section 33-T6s-R27E  
Chaves County, NM

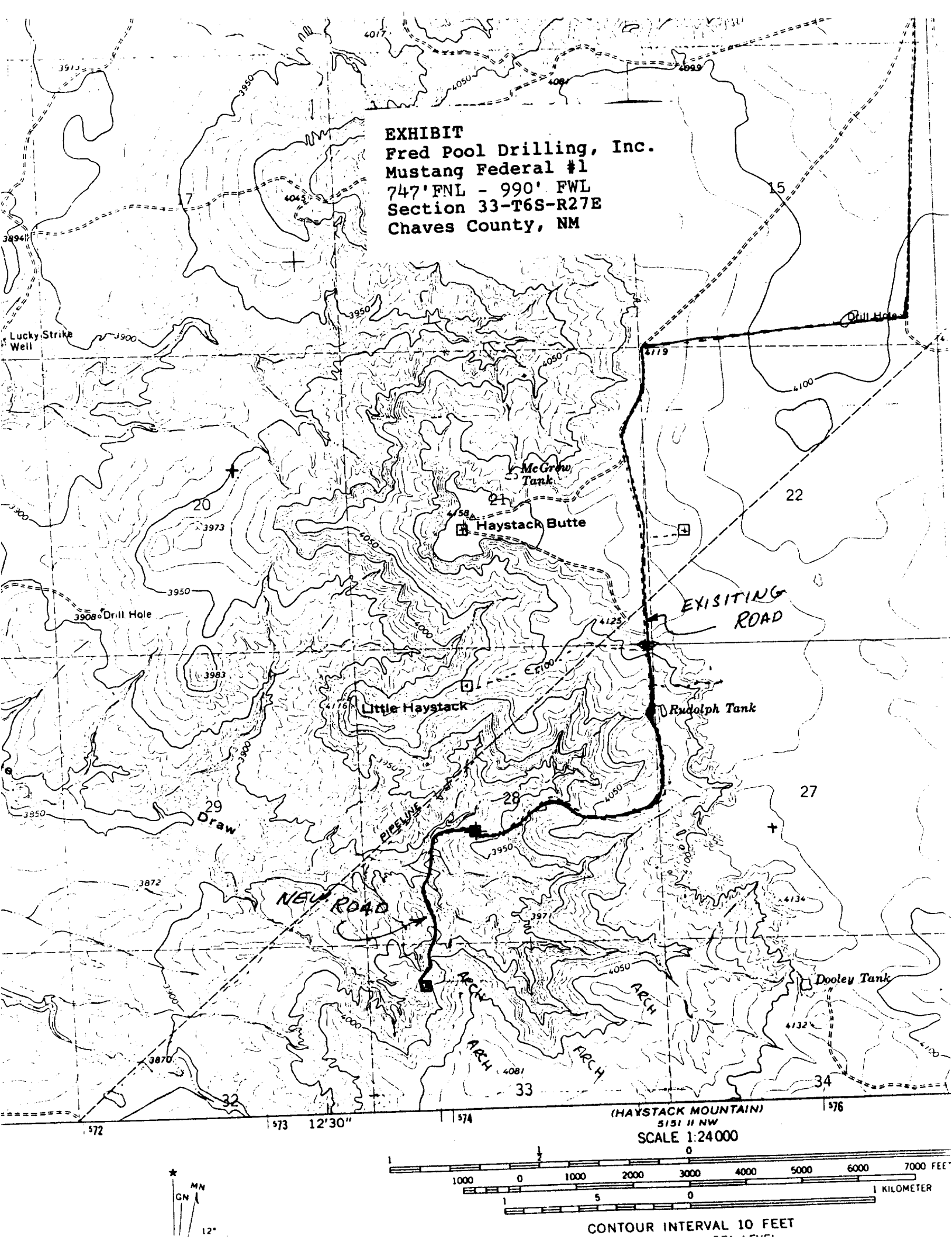
In conjunction with Form 9-331-C, Application for Permit to Drill the well captioned above, Fred Pool Drilling submits the following ten items of pertinent information in accordance with BLM requirements.

1. The geologic surface formation is minor sand dunes and sandstone outcropping.
2. The estimated tops of geologic markers are as follows:

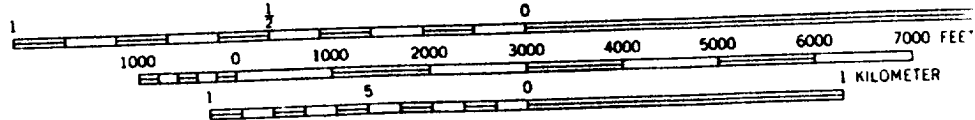
San Andres	1260'	Pennsylvanian	5800'
Glorieta	2360'	Mississippian	6200'
Tubb	3840'	Fusselman	6280'
Abo	4550'	Montoya	6310'
Wolfcamp	5240'	Granite	6480'
		TD	6500'
3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:  
Water: 150'- 250'  
Oil or Gas: Abo 4560', Penn 5810', Montoya 6320'.
4. Proposed Casing Program: See Form 9-331-C.
5. Pressure Control Equipment: See Form 9-331-C and Exhibit.
6. Mud Program:

0 - 1350'	Fresh water native mud
1350'- 4000'	Brine native mud
4000'- TD	Brine mud w/starch
7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.
8. Testing, Logging and Coring Program:  
Testing: If warranted, DST the Penn and Montoya.  
Logging: Gamma Ray, Compensated Neutron/Litho-Density, Dual Laterolog and MSFL.  
Coring: None planned.
9. No abnormal pressures or temperatures are anticipated. In the event they are encountered, the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: ASAP after APD approval and location is built. Drilling time will be approximately 27 days.

**EXHIBIT**  
**Fred Pool Drilling, Inc.**  
**Mustang Federal #1**  
**747' FNL - 990' FWL**  
**Section 33-T6S-R27E**  
**Chaves County, NM**

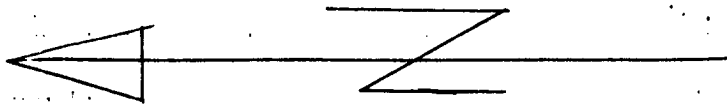


(HAYSTACK MOUNTAIN)  
5151 II NW  
SCALE 1:24000



CONTOUR INTERVAL 10 FEET





TRASH PIT



80'

RESERVE PIT



MUD PITS



WELL BORE

DRLG. RIG

50'

PIPE RACKS

100'

100'

100'

Attachment to "Notice of Staking"

Fred Pool Drilling, Inc.

Mustang Federal #1

990' FNL & 1980' FWL Section 33,  
Township 6 South, Range 27 East

Chaves County, New Mexico.

36159 NM

TOP SOIL  
STOCK PILE