

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-22475

5. LEASE DESIGNATION AND SERIAL NO.  
NM-0560222

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Fusselman Federal

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Nipp Pictured Cliff EXT

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec 17, T26N, R12W

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

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  
Kirby Exploration Company

3. ADDRESS OF OPERATOR  
P.O. Box 1745, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1190' FNL & 1090' FWL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
27 miles south of Farmington, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
16. NO. OF ACRES IN LEASE  
320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
19. PROPOSED DEPTH  
1250

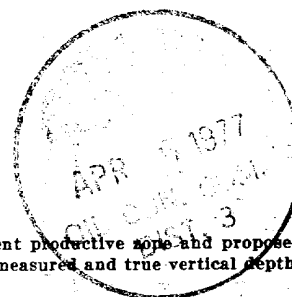
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5931 GL

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#	50'	50 sacks class "B" + 2% CaCl <sub>2</sub>
6 3/4	4 1/2	9.5#	1250'	200 sacks class "B"

Move in rotary tools. Drill 12 1/4 hole to 50 feet. Set 50 feet of new 8 5/8" casing and cement as above. Wait on cement 12 hours. Install 6" 900 series blow out preventers and test. Drill 6 3/4" hole to 1250 feet. No abnormal pressure or temperature is expected. Mud system will be gel-chem weighing 9-9.2# per gallon, W. L. 8-10 c.c. and viscosity of 30-40 seconds per quart. Open hole logging will consist of IES, FDC-CNL and GR Caliper logs. If commercial, 4 1/2" casing will be run and cemented as above. If non-commercial, plug and abandonment will follow U.S.G.S. specifications.

Gas under this lease is not committed to a contract.



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 John Alexander TITLE Agent DATE 3-29-77  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE APR 5 1977

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N.M.

\*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>KIRBY EXPLORATION COMPANY</b>		Lease <b>FUSSELMAN FEDERAL</b>		Well No. <b>2</b>
Unit Letter <b>D</b>	Section <b>17</b>	Township <b>26 NORTH</b>	Range <b>12 WEST</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1190</b> feet from the <b>NORTH</b> line and <b>1090</b> feet from the <b>WEST</b> line				
Ground Level Elev. <b>5931</b>	Producing Formation <b>Pictured Cliff</b>	Pool <b>Nipp Pictured Cliff</b>	Dedicated Acreage: <b>160</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 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.

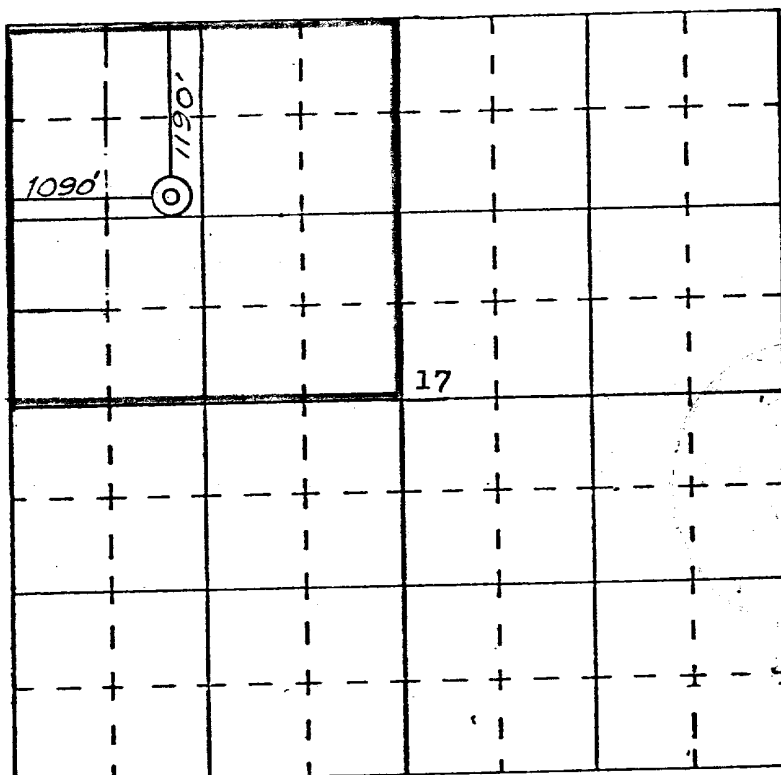
**CERTIFICATION**

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

John Alexander  
Name  
Agent  
Position  
Kirby Exploration Company  
Company  
3-29-77  
Date

I hereby certify that the well location shown on this plat was plotted from field notes or 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.

11 March 1977  
Date Surveyed  
James P. Leese  
Registered Professional Engineer  
and/or Land Surveyor **James P. Leese**

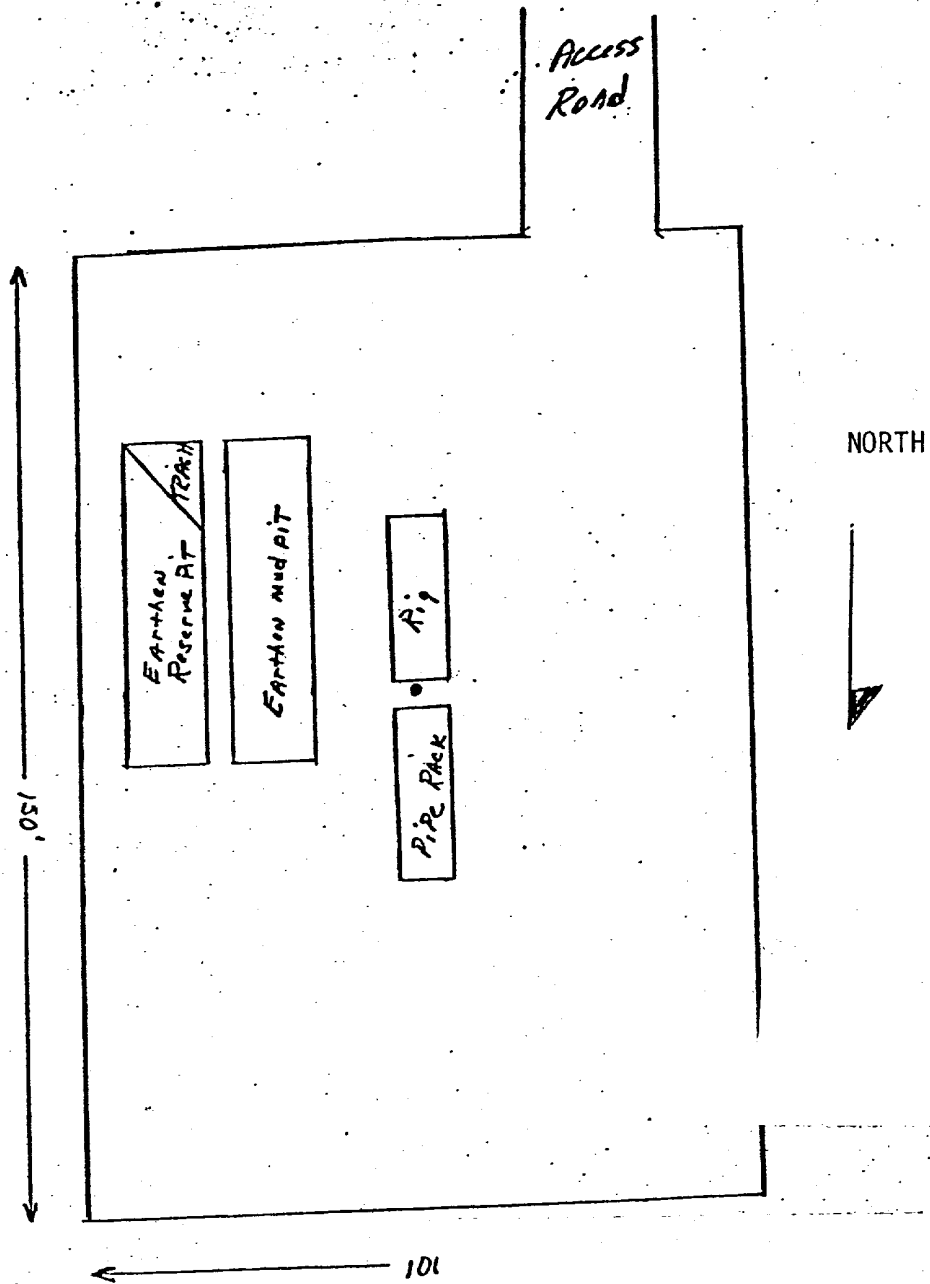


SCALE—4 INCHES EQUALS 1 MILE

**SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.**

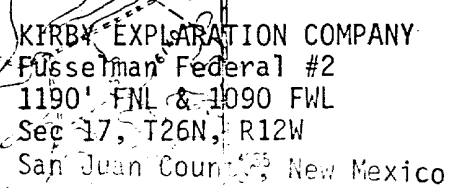
1463  
Certificate No.

# Well Site PLAT



Scale 1" = 30'

Kirby Exploration Company  
Fusselman Federal #2  
1190' FNL & 1090' FWL  
Sec 17, T26N, R12W  
San Juan County, New Mexico



# 3E COMPANY, INC.

*Engineering • Energy • Exploration*

P. O. Box 190      —:—      505/327-4020

FARMINGTON, NEW MEXICO 87401

March 29, 1977

U.S. Department of Interior  
Geological Survey  
P.O. Box 959  
Farmington, NM 87401

Attention: Mr. P. T. McGrath  
District Engineer

RE: Development Plan for Surface Use  
Kirby Exploration Company  
Fusselman Federal #2  
1190' FNL & 1090' FWL  
Sec 17, T26N, R12W  
Nipp Pictured Cliff  
San Juan County, New Mexico

Gentlemen:

Attached is the "Application for Permit to Drill" (form #9-331C) for the subject well. Also enclosed are the following items: surveyor's plat, drill site plat and vicinity map. The archaeological report will follow under separate cover. Ms. Zarnowski gave oral approval of location. Mr. Bob Moore of Bureau of Land Management, Mr. Don Miller of the United States Geological Survey and Ms. Pat Zarnowski of the Agency of Conservation Archaeology have inspected the site.

The development plan for surface use is as follows:

Points 1, 3, 4, 6, & 9    Vicinity map and drill site plat attached.

Point 2.    Water bars will be used on all roads where necessary.

Point 5.    Water for drilling will be trucked from the San Juan River approximately 27 miles to the north.

Point 7.    A waste disposal pit will be provided for the garbage and trash. Location shown on drill site plat. Drilling fluids will be contained in reserve pit until such time as evaporation occurs and then pits will be covered.

Point 8.    No camps or airstrip.

March 29, 1977

Point 10. Should the well be a commercial producer, it will be equipped to facilitate producing operations with all drilling pits filled, location leveled and well site reseeded in compliance with current Bureau of Land Management seeding requirements. During dry out time required for the reserve pit it will be fenced to eliminate livestock entry. All facilities will be painted sandstone: Federal Standard 595-30318.

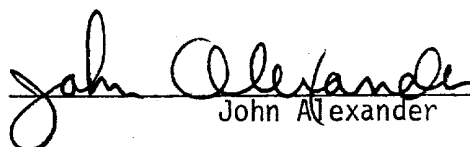
Point 11. The location is on a level plain surrounded by native vegetation with no trees. A well traveled road 1400 feet to the south will provide access.

Point 12.

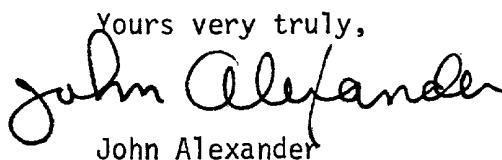
John Alexander  
3E Company, Inc.  
P.O. Box 190  
Farmington, NM 87401  
Phone: 505-327-4020

Point 13. I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site 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 Kirby Exploration Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

3-29-77

  
John Alexander

Should further information be desired, please advise.

Yours very truly,  
  
John Alexander

JA:st

Attachments