

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
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 1600' FNL & 790' FEL
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles west of Counselors Trading Post

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

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.

19. PROPOSED DEPTH
2500

20. ROTARY OR CABLE TOOLS
rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6788 GR

22. APPROX. DATE WORK WILL START*
August 10, 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	24#	90'	100 sacks class "B"
6 3/4	4 1/2	10.5#	2500'	200 sacks class "B"

Spud 12 1/4" hole with native mud. Set 8 5/8" surface casing as above. Install 6" 900 series blow out preventer prior to drilling from under surface.

Drill 6 3/4" hole to 2500'. Mud properties approximately as follows: wt. 9.0# per gallon, vis. 35 seconds per quart, water loss 10± cc per 30 minutes. Open hole logs to consist of IES, FDC/CNL with GR-Caliper.

If commercial, run 4 1/2" casing and cement as above.

If non-commercial, well will be plugged according to U.S.G.S. specifications.

Gas under this lease is not committed to a contract.

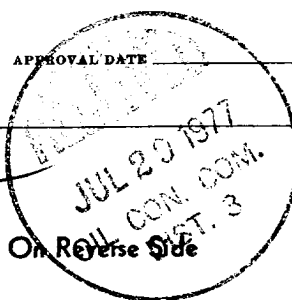
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED John Alexander TITLE Agent DATE 7-21-77
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



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

Form C-102
Supersedes C-12.
Effective 1-1-65

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

Operator Kirby Exploration Company			Lease Navajo 28		Well No. 1
Unit Letter H	Section 28	Township 22N	Range 7W	County. Sandoval	
Actual Footage Location of Well: 1600 feet from the North line and 790 feet from the East line					
Ground Level Elev. 6788	Producing Formation Chacra		Pool Rusty Chacra Extension		Dedicated Acreage: 160 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 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 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

7-21-77

Date

John Alexander

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

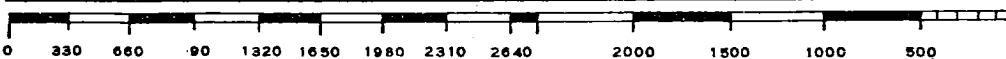
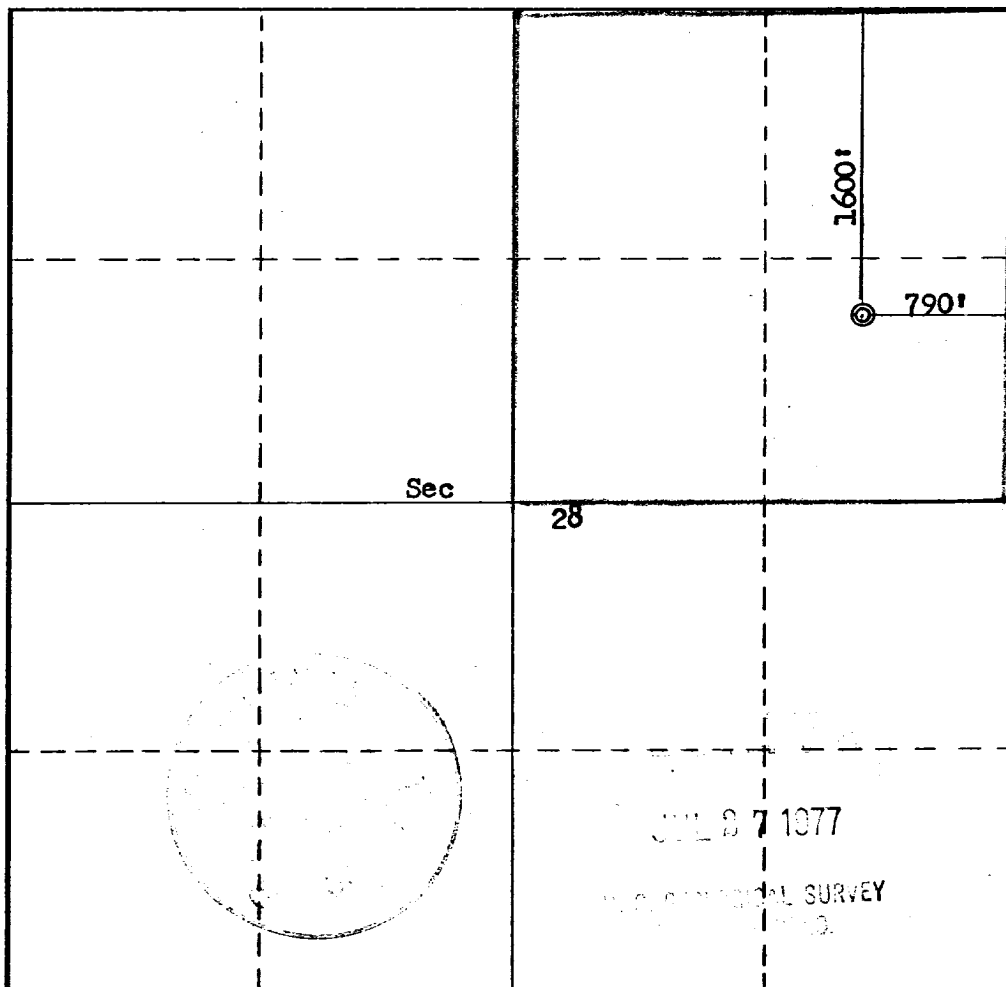
July 9, 1977

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950



3E COMPANY, INC.

Engineering • Energy • Exploration

P. O. Box 190 —:— 505/327-4020

FARMINGTON, NEW MEXICO 87401

July 21, 1977

U.S. Department of Interior
Geological Survey
P.O. Box 1809
Durango, CO 81301

Attention: Mr. Jerry Long
District Engineer

RE: Development Plan for Surface Use
Kirby Exploration Company
Navajo 28 #1
1600' FNL & 790' FEL
Sec 28, T22N, R7W
Rusty Chacra Extension
Sandoval 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, vicinity map and archaeologists report. Mr. Bob Moore of the Bureau of Land Management, Mr. Lee Freeman 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 be trucked from Escrito approximately 25 miles to the north.

Point 7. A waste disposal pit will be provided for the garbage and trash. Locations 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.

JUL 27 1977

U. S. GEOLOGICAL SURVEY
DURANGO, CO 81301

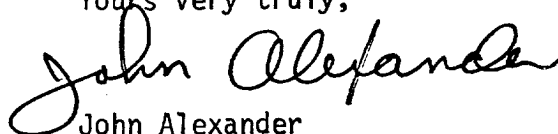
- Point 10. Should the well be a commercial producer, it will be equipped to facilitate producing operations with all drilling pits filled, location leveled and well site reseeded in compliance with current Bureau of Land Management seeding requirements. During dry out time required for the reserve pit it will be fenced to eliminate livestock entry. All facilities will be painted Green: Federal Standard 595-34127
- Point 11. The proposed location is on top of a small peninsula, bounded by Cañada Alemita. Principle vegetation is juniper, sage brush and blue gramma. About 900' of new road will need to be bladed for access to the location.
- 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.

7-21-77


John Alexander

Should further information be desired, please advise.

Yours very truly,


John Alexander

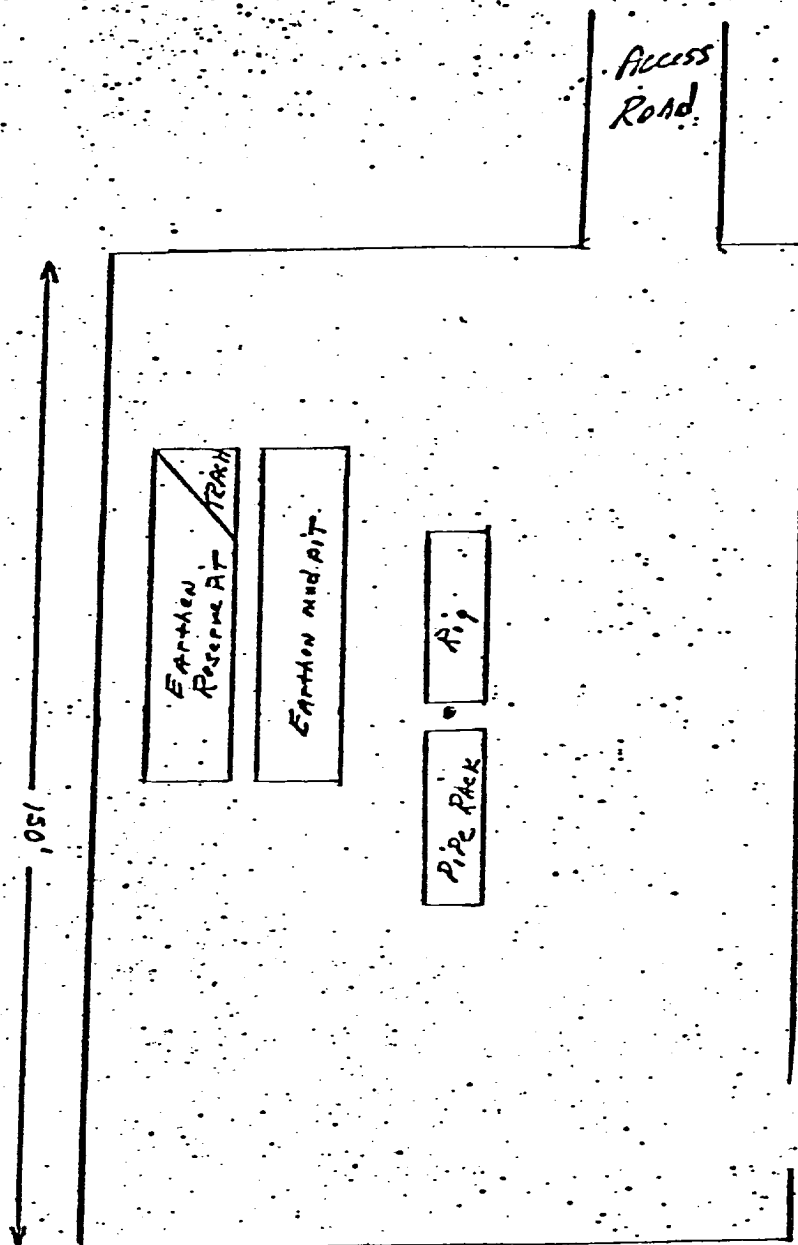
JA:st

Attachments

JUL 27 1977

U.S. GEOLOGICAL SURVEY

Well site PLAT



KIRBY EXPLORATION COMPANY
NAVAJO 28 #1
1600' FNL & 790' FEL
Sec 28 - 22N - 7W
Sandoval County, New Mexico

7.1077
SURVEY

