

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

1040' FNL &amp; 1190' 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)

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

320

## 19. PROPOSED DEPTH

2500'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 20. ROTARY OR CABLE TOOLS

rotary

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

6802 GR

## 22. APPROX. DATE WORK WILL START\*

August 1, 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  
(This space for Federal or State office use)

Agent

DATE 7-25-77

PERMIT NO.

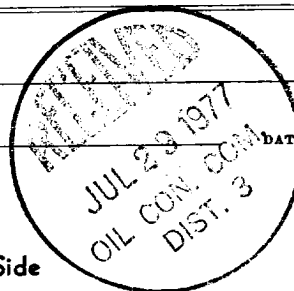
APPROVAL DATE

APPROVED BY

TITLE

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-128  
Effective 1-1-65

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

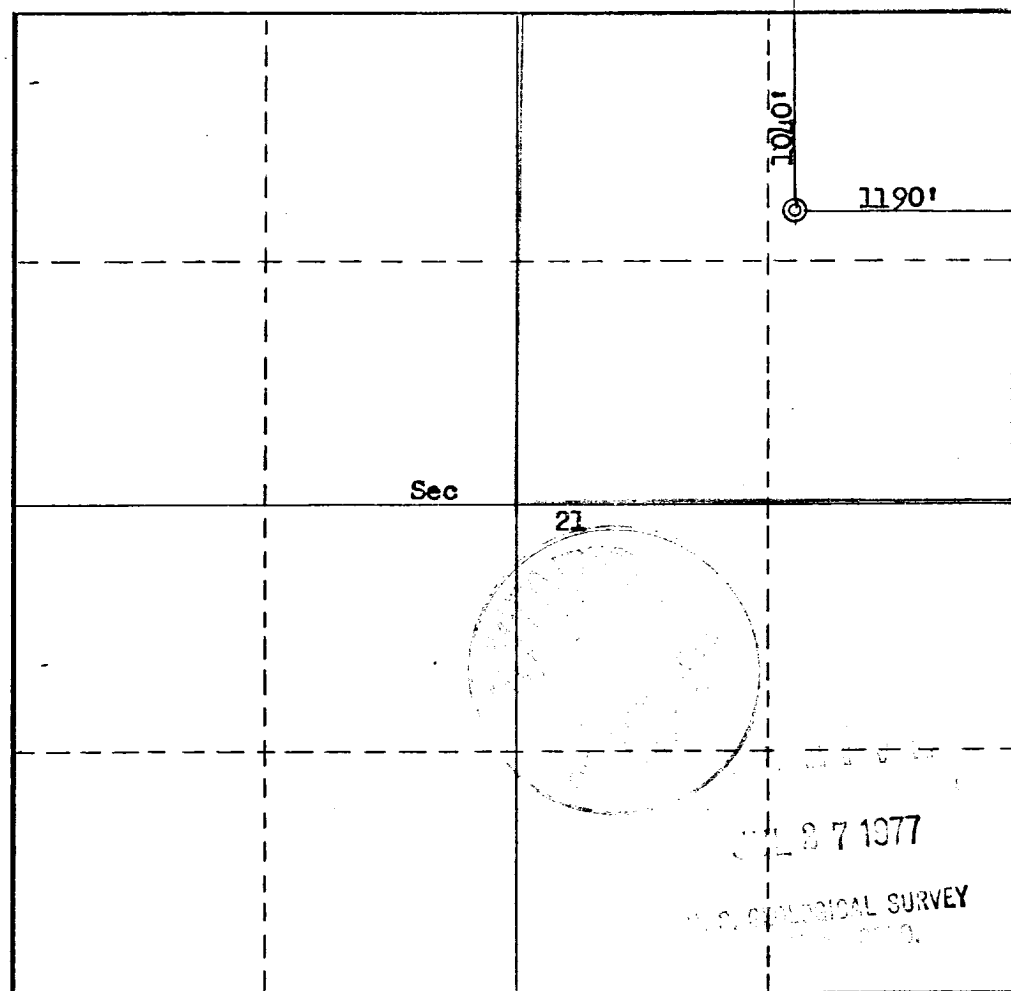
Operator <b>Kirby Exploration Company</b>			Lease <b>Navajo 21</b>		Well No. <b>1</b>
Unit Letter <b>A</b>	Section <b>21</b>	Township <b>22N</b>	Range <b>7W</b>	County <b>Sandoval</b>	
Actual Footage Location of Well: <b>1040</b> feet from the <b>North</b> line and <b>1190</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6802</b>	Producing Formation <b>Chacra</b>		Pool <b>Rusty Chacra Extension</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 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

July 25, 1977

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 18, 1977

Registered Professional Engineer and/or Land Surveyor

*Fred B. Keen Jr.*  
Fred B. Keen Jr.

Certificate No.

3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0