

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-22406

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 790' FNL & 1850' FEL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 1 mile east of Nageezi, New Mexico

16. NO. OF ACRES IN LEASE
 643

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.
 1900'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6901 GL

22. APPROX. DATE WORK WILL START*
 May 5, 1977

5. LEASE DESIGNATION AND SERIAL NO.
 4360-548

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal 31

9. WELL NO.
 1-~~1~~

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 31 - 24N - 8W

12. COUNTY OR PARISH
 San Juan

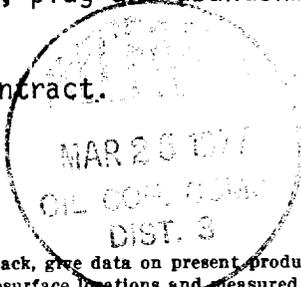
13. STATE
 New Mexico

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#	90'	50 sacks class "B" + 2% CaCl ₂
6 3/4	4 1/2	9.5#	1900'	200 sacks class "B"

Move in rotary tools. Drill 12 1/4 hole to 90 feet. Set 90 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 1900 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.



MAR 24 1977

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 3-23-77
 (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-128
Effective 1-1-65

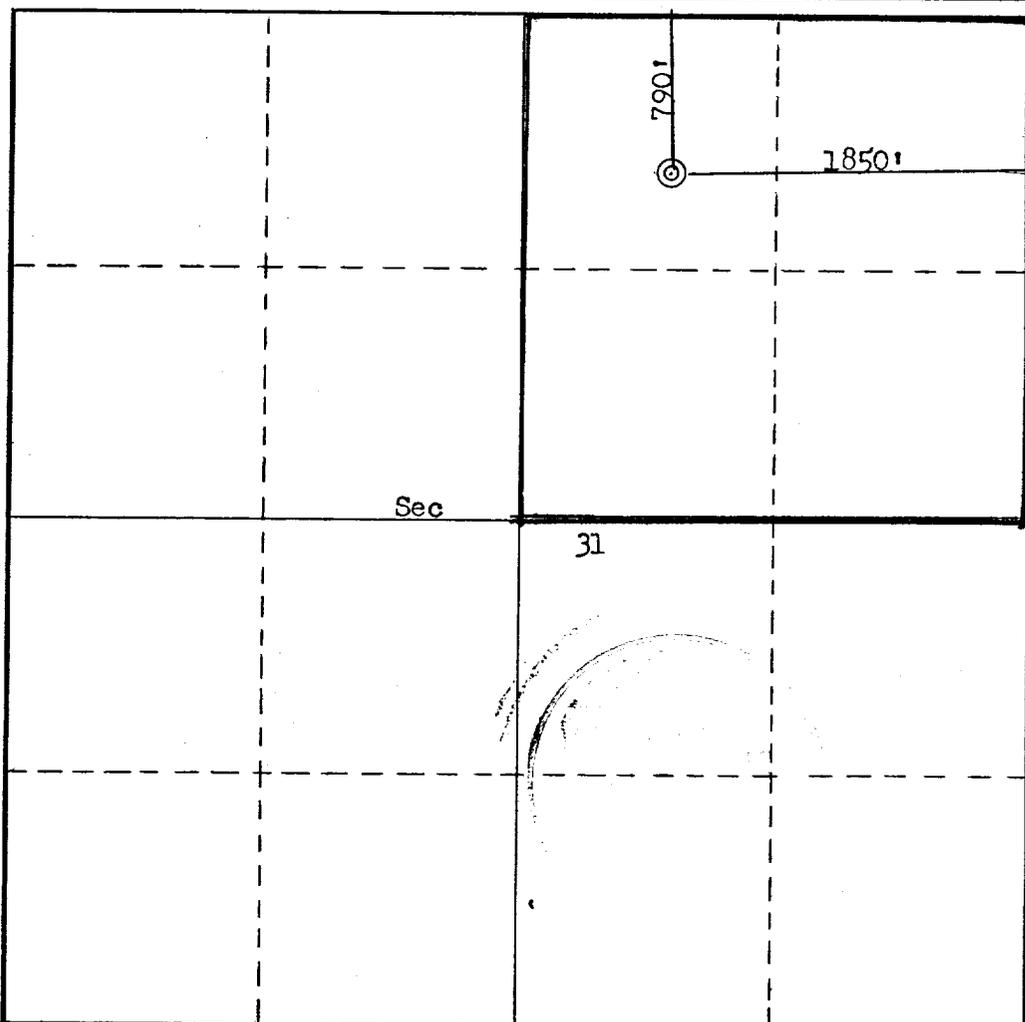
All distances must be from the outer boundaries of the Section.

Operator Kirby Exploration Company		Lease Federal 31		Well No. 1
Unit Letter B	Section 31	Township 24N	Range 8W	County San Juan
Actual Footage Location of Well: 790 feet from the North line and 1850 feet from the East line				
Ground Level Elev. 6901	Producing Formation Pictured Cliff	Pool Wildcat	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

3-23-77

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

March 9, 1977

Registered Professional Engineer and/or Land Surveyor

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

Certificate No.

3950

