

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-095-22478

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
1095' FNL & 1525' FEL
At proposed prod. zone
Same

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE
2227.6

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
1300

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6019' GL

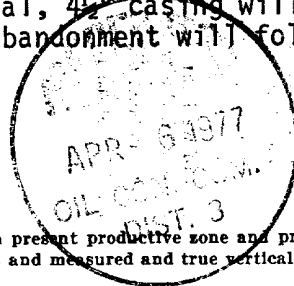
22. APPROX. DATE WORK WILL START*
May 10, 1977

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	20#	50'	50 sacks class "B" + 2% CaCl ₂
6 3/4	4 1/2	9.5#	1300'	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 1300 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 _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
APR 5 1977

U. S. GEOLOGICAL SURVEY

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

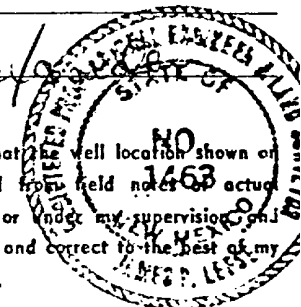
Operator KIRBY EXPLORATION COMPANY		Lease FREW FEDERAL		Well No. # 3
Unit Letter B	Section 29	Township 26 NORTH	Range 12 WEST	County SAN JUAN
Actual Footage Location of Well:				
1095 feet from the NORTH line and		1525 feet from the EAST line		
Ground Level Elev. 6019	Producing Formation Pictured Cliff	Pool Nipp Pictured Cliff EXT	Dedicated Acreage: 160	Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
 - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
 - 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

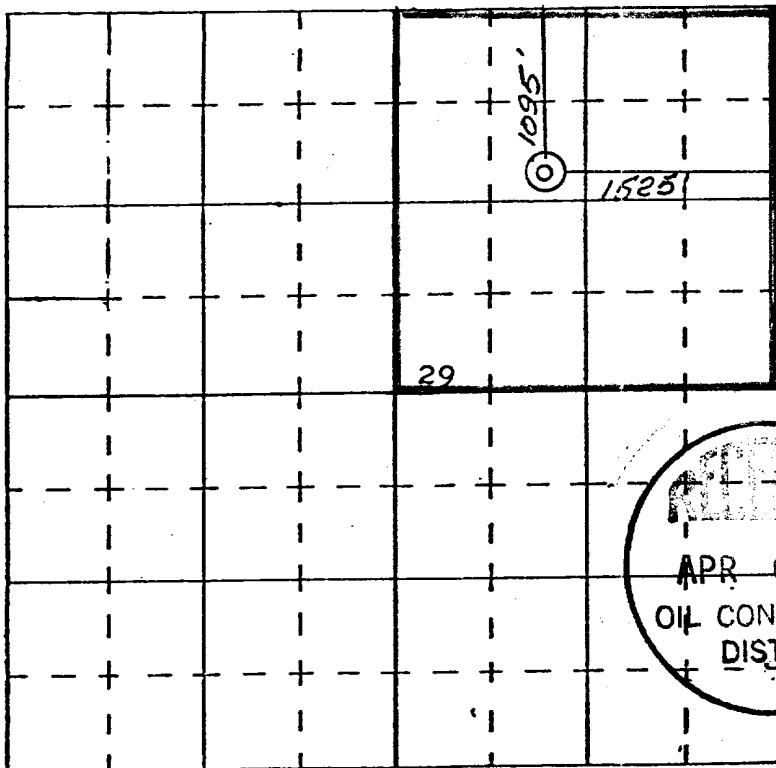
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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

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.

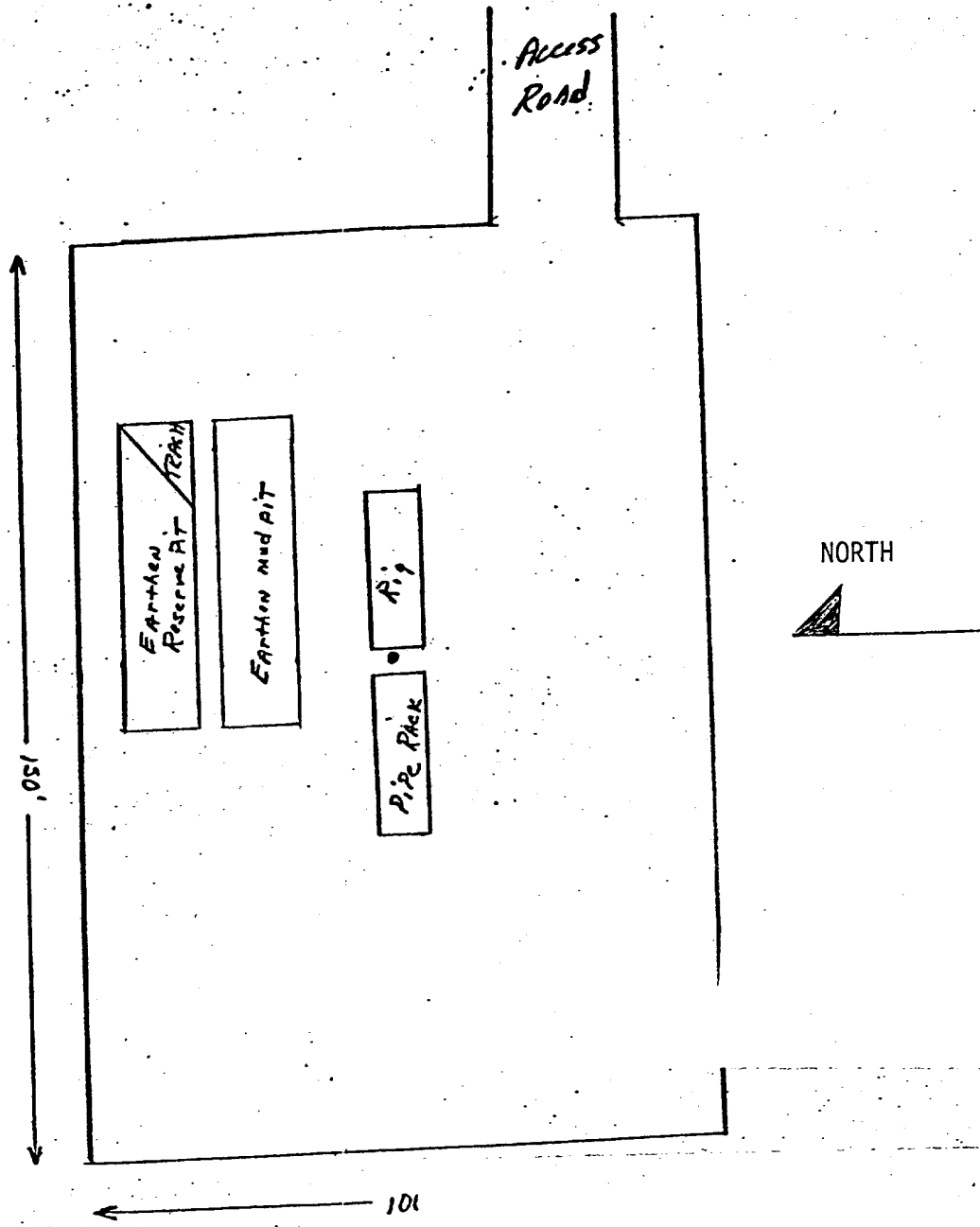
10 March 1977
 Date Surveyed
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor **James P. Leese**



APR 6 1977
OIL CON. COM.
DIST. 3

SCALE—4 INCHES EQUALS 1 MILE

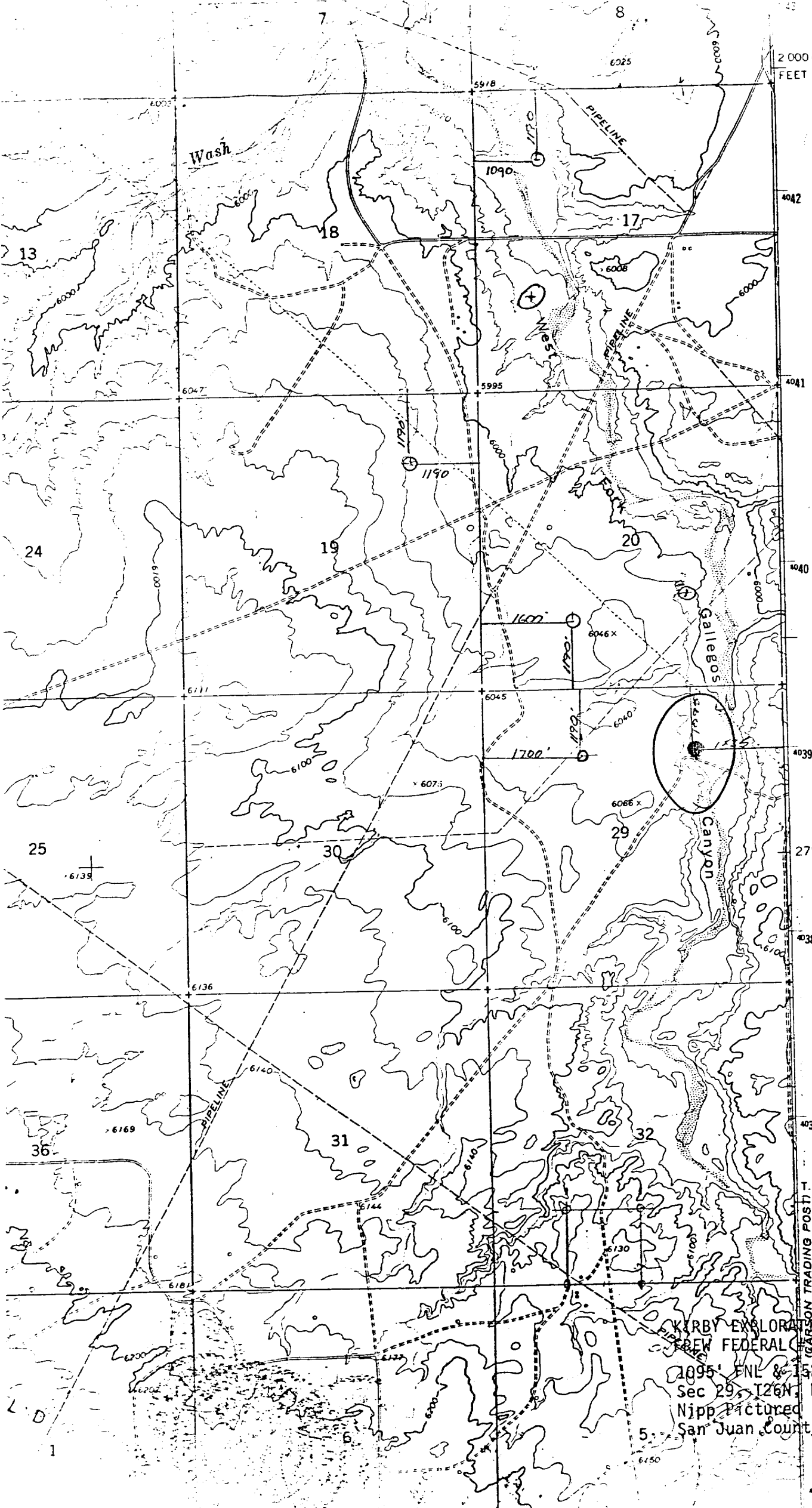
Well Site PLAT



SCALE 1" = 30'

Kirby Exploration Company
Frew Federal #3
1095' FNL & 1525' FEL
Sec 29, T26N, R12W
Nipp Pictured Cliff
San Juan County, New Mexico

2 000 000
FEET



4042

4041

4040

4039

4038

4037

4035

T. 26 N.

3358 1 NE

KIRBY EXPLORATION COMPANY
BREW FEDERAL #3
1095' ENL & 525' N. FEL
Sec 29, T26N, R12W
Nipp Pictured Cliff
San Juan County, New Mexico

1

5

4035

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
Frew Federal #3
1095' FNL & 1525' FEL
Sec 29, 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 28 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.

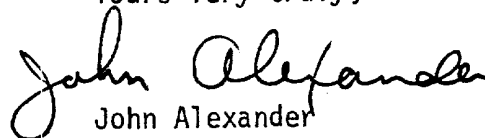
- Point 10. Should the well be a commercial producer, it will be equipped to facilitate producing operations with all drilling pits filled, location leveled and well site reseeded in compliance with current Bureau of Land Management seeding requirements. During dry out time required for the reserve pit 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 southerly sloping hill covered by native vegetation and no trees. Care will be taken to construct drainage to prevent erosion. Access to the location is available via an adequate road 50 yards to the south.
- 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

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form 17-5000
Budget Function No. 42-21-001

5. LEASE DESIGNATION AND SERIAL NO.
NM-0560223

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Frew Federal

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
Nipp Pictured Cliff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 29 - 26N - 12W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

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.* See also space 17 below.)
At surface
1095' FNL & 1525 FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6019 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 6 3/4" hole to 1290 feet. Total depth at 10:45 p.m. 5-8-77. Ran open hole logs (IEL, FDC-CNL). Ran 30 joints 4 1/2" OD 10.79 # casing and set at 1262 feet. Cemented with 200 sacks class "B" cement. Circulated cement returns. Plug down at 9:33 p.m. 5-9-77. Wait on cement. Wait on completion unit.



MAY 12 1977

18. I hereby certify that the foregoing is true and correct

SIGNED William L. Jones TITLE Agent DATE 5-11-77

(This space for Federal or State office use)

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

*See Instructions on Reverse Side