

UNITED STATES  
DEPARTMENT OF THE INTERIORGEOLOGICAL SURVEY *API 30-045-22076*

## 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

Box 1745, Houston, Texas 77001

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

970' FNL and 1350' FWL

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

## 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.

None

## 16. NO. OF ACRES IN LEASE

1755

## 19. PROPOSED DEPTH

1500

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

180 / 159.99

## 20. ROTARY OR CABLE TOOLS

rotary

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

6187 GL

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

5-28-76

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8	24.0	100'	50 sacks
6 1/4	4 1/2	10.5	1500	75 sacks

Move in rotary drilling rig. Cement 8 5/8" surface casing at 150 feet with 50 sacks. Drill to 1500' to evaluate the Picture Cliff formation. Run open hole logs. If well is commercial 4 1/2" casing will be run to 1500' and cemented with 75 sacks. If well is not commercial, it will be plugged and abandoned according to United States Geological Survey Specifications.

A series 600 blow-out preventer will be installed and tested before drilling out from under surface pipe.

Gas reserves under this lease are not dedicated to an existing 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

*Jack D. Cook* Jack D. Cook

TITLE

Agent

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*OK*

\*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.

NM 0559974

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Armour Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

WAW Picture Cliff Extension

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec 4 - 26N - 13W

12. COUNTY OR PARISH

13. STATE

San Juan

New Mexico

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

180 / 159.99

## 20. ROTARY OR CABLE TOOLS

rotary

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

5-28-76

MAY 31 1976

U. S. GEOLOGICAL SURVEY

RECEIVED

JUN 2 1976

OIL CON. COM.  
DIST 3 DATE

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.

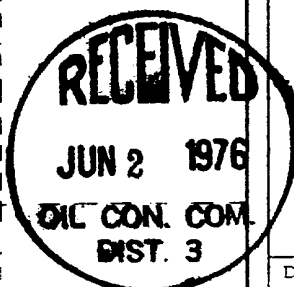
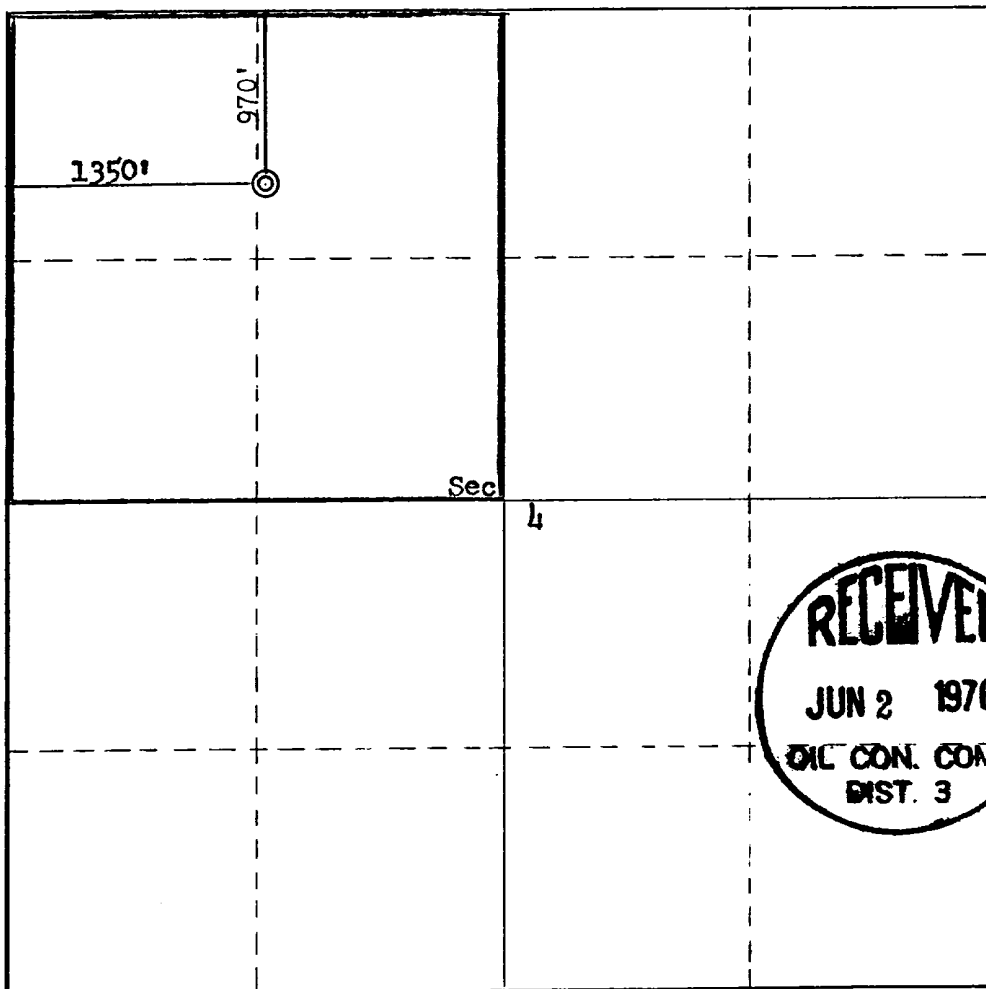
Operator <b>Kirby Exploration Company</b>			Lease <b>Armour-Federal</b>		Well No. <b>1-4</b>
Unit Letter <b>C</b>	Section <b>4</b>	Township <b>26N</b>	Range <b>13W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>970</b> feet from the <b>North</b> line and <b>1350</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6186</b>	Producing Formation <b>Picture Cliff</b>		Pool <b>WAW Extension</b>		Dedicated Acreage: <b>160 159.99</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.

**Jack D. Cook**

Name

Agent

Position

**Kirby Exploration Co.**

Company

**May 28, 1976**

Date

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

**May 27, 1976**

Registered Professional Engineer and/or Land Surveyor

**Fred B. Kerr, Jr.**

Certificate No.

**3950**

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

OIL CONSERVATION COMMISSION  
Cheyenne DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

*Jim Kasteina*

DATE 9-23-76

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL ✓ \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 9-21-76  
for the Libby Exploration Co. Armon Id #14 C-4-26N-13W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

AR Kendrick

# 3E COMPANY, INC.

*Engineering • Energy • Exploration*

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

FARMINGTON, NEW MEXICO 87401

September 21, 1976



New Mexico Oil Conservation Commission  
P.O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Secretary - Director

RE: Non-Standard Location  
Kirby Exploration Company  
Armour Federal #1Y  
1350' FWL and 970' FNL  
Sec 4 - 26N - 13W  
WAW Picture Cliff Extension

Gentlemen:

By means of this letter we wish to request administrative approval for the non-standard location of the captioned well. The well is inside the 130 foot requirement distance from the quarter - quarter section line.

The Armour Federal #1Y was originally staked as the Armour Federal #1, which was junked and abandoned on 5-30-76. The well is on land that is part of the Navajo Indian Irrigation Project. The Bureau of Indian Affairs (see enclosed letter) requested that the location be moved so as to cause the least amount of interference with the proposed sprinkling activities in the area. The attached map shows that the Bureau of Indian Affairs plans to run their main water supply line along the quarter - quarter section lines and route their sprinkler systems perpendicular to this main supply line. If the well is located close to the supply line then it will not interfere with the sprinklers.

Aztec Oil and Gas Company, the offsetting lease holder, has been notified by certified mail. Since the well is within spacing regulations concerning outer boundries of the lease, we do not feel that approval of this location will cause any harm to the offsetting lease holders.

Should you need further information, please advise.

Yours very truly,

A handwritten signature in cursive script that reads "William T. Jones".

William T. Jones

WTJ:kj

Enclosures

cc: A. R. Kendrick, Aztec



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR

RESOURCES  
Irrigation (NIIP)

BUREAU OF INDIAN AFFAIRS  
NAVAJO INDIAN IRRIGATION PROJECT  
P. O. Box 2157  
Farmington, New Mexico 87401

May 5, 1976

Mr. A. R. Kendrick  
New Mexico State Oil  
Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Dear Mr. Kendrick:

The Navajo Indian Irrigation Project is now being developed as an all-sprinkler irrigation project.

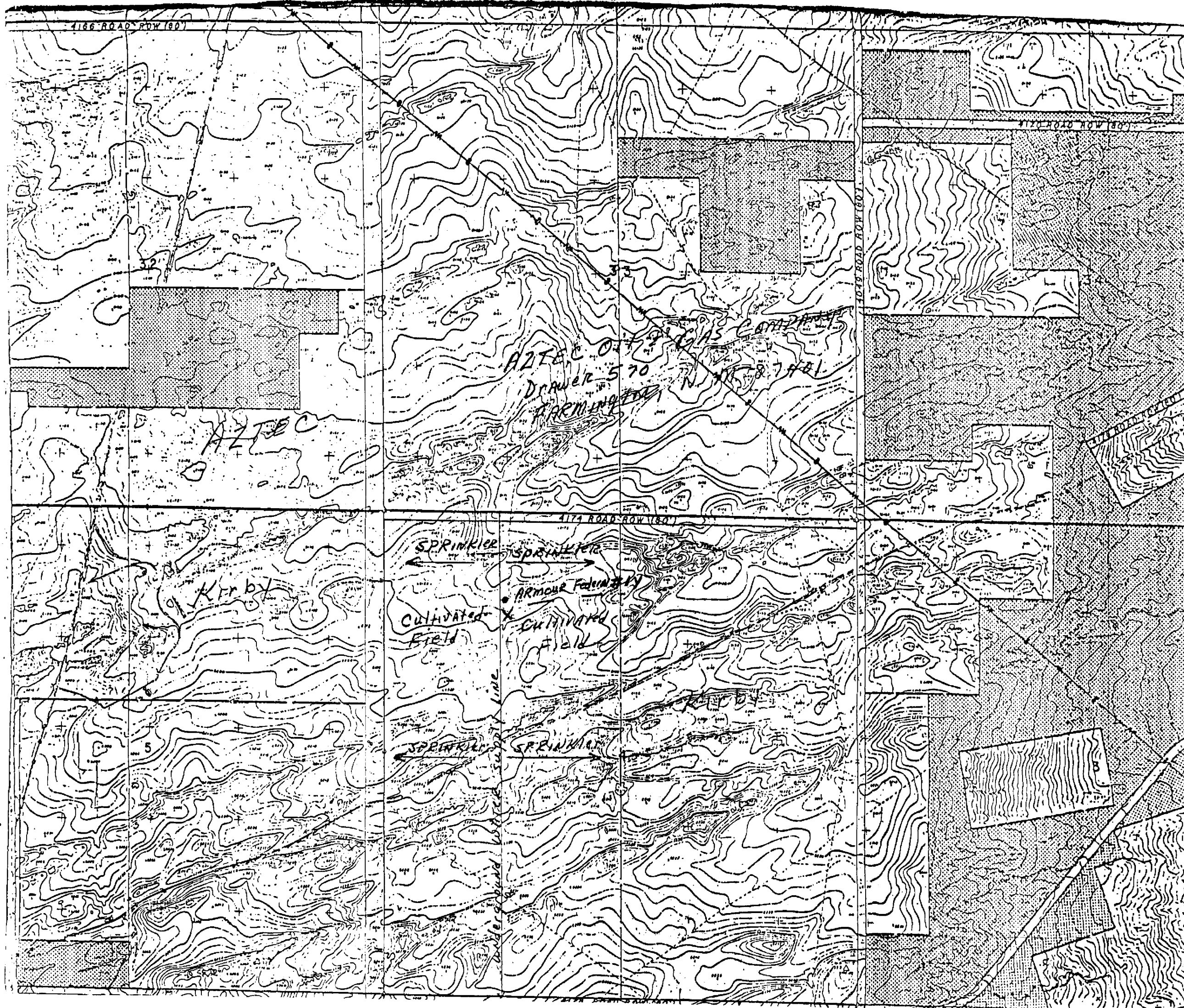
In order to cause the least amount of interference with sprinkling activities it is necessary to locate some oil and gas wells at locations other than standard.

Within the Navajo Indian Irrigation Project area, we are working with the oil and gas companies in an effort to locate wells so that they will have the least amount of interference with farming activities and also with oil and gas operations. Therefore, we will appreciate your cooperation in approving these non-standard locations wherever possible.

Thank you for your cooperation in this matter.

Sincerely yours,

*J. C. Christensen*  
Project Engineer



Vicinity MAP  
Support Data  
Application For NON-  
Standard  
ARMOUR Federal #1Y  
KIRBY Exploration Company