

CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 8750120-005-20841  
Form C-101  
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work		7. Unit Agreement Name	
2. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Southard "A"	
3. Name of Operator Flag-Redfern Oil Company		9. Well No. 4	
4. Address of Operator P. O. Box 2280, Midland, Texas 79702		10. Field and Pool, or Wildcat Tom-Tom (San Andres)	
5. Location of Well UNIT LETTER B LOCATED 660' FEET FROM THE North LINE 1980' FEET FROM THE East LINE OF SEC. 26 TWP. 7-S RGC. 31-E NE/4		12. County Chaves	
6. Elevations (Show whether DF, RT, etc.) 4371 GR		19. Proposed Depth 4200'	19A. Formation San Andres
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Peterson Drilling	20. Rotary or C.T. Rotary
		22. Approx. Date Work will start As soon as approved	

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24# J	1650	800 sx	Circ.
7 7/8"	4 1/2"	9.5# K	4160	250 sx	3200'

Drill 12 1/4" hole to 1650' or into the top of the Rustler Anhydrite. Run 8 5/8" casing and circulate cement with 600 sx of Halliburton Lt. Wt. with 1/4# sx Flocele and 8#/sx of salt, followed by 200 sx of Class "C" with 2% CaCl. Drill 7 7/8" hole to approximately 4160'. Run openhole log. Run 4 1/2" casing to 4160' and cement with 250 sx of 50/50 Class "H", Pozmix "A" with 2% gel, 0.75% CFR-2 and 8# salt per sack. Run Correlation Log and perforate the San Andres Formation. Treat with acid. Swab to test. Potential well.

## Mud Program

0-1650 Native  
1650 - TD Native Mud & Oil

## Estimated Tops

Rustler Anhydrite - 1650'  
Top of Salt - 1685'  
Yates - 2120'

Queen - 2570  
San Andres - 3205  
San Andres Marker - 3750  
S. A. Porosity - 4005'

Blowout Preventors: Shaffer 10" Series 900 installed of Surface Casing.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 2/8/82  
UNLESS DRILLING UNDERWAY

OVER SPACE DESCRIBE PROPOSED PROGRAM. IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

*J. E. Scherer*  
(This space for State Use)

Title Engineer

Date 12/23/81

APPROVED BY

TITLE

DATE

REASONS OF APPROVAL, IF ANY

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.

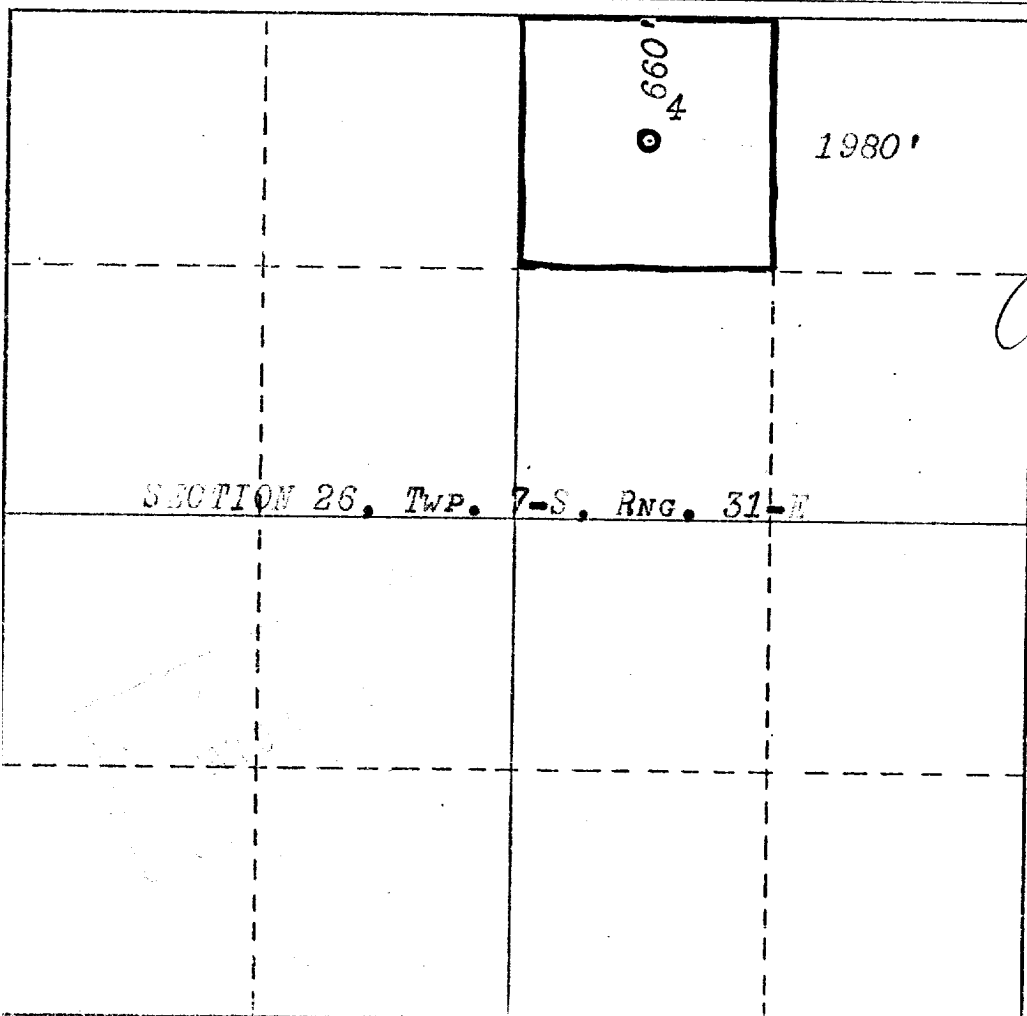
Operator <b>FLAG-REDFERN OIL COMPANY</b>			Lease <b>SOUTHWARD "A"</b>		Well No. <b>4</b>
Unit Letter <b>B</b>	Section <b>26</b>	Township <b>7-S</b>	Range <b>31-E</b>	County <b>CHAVES</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>4371</b>	Producing Formation <b>San Andres</b>		Pool <b>Tom-Tom (San Andres)</b>	Dedicated Acreage: <b>40</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.

Name

**Petroleum Engineer**  
Position

**Flag-Redfern Oil Company**  
Company

**December 23, 1981**  
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

**DEC. 13, 1981**

Registered Professional Engineer  
and/or Land Surveyor

Certification No.

**754**

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

RECEIVED

JAN 7 1982

U.S. CONSERVATION DIV.

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