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## NEW MEXICO OIL CONSERVATION COMMISSION

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SEP 3 1981

O. C. L.

ARIZONA OFFICE

30-011-20026

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. LG-0393
7. Unit Agreement Name
8. Farm or Lease Name State "31"
9. Well No. 1
10. Field and Pool, or Wildcat Wildcat
12. County DeBaca
19. Proposed Depth 4500
19A. Formation Abo
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, KT, etc.) 3899.5 GR
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor WEK Drlg. Co.
22. Approx. Date Work will start Sept. 14, 1981

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

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator Flag-Redfern Oil Company ✓ 3. Address of Operator P.O. Box 2280 Midland, Texas 79702 4. Location of Well UNIT LETTER P LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 31 TWP. 2-S RGE. 25-E NMPM	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>
23. PROPOSED CASING AND CEMENT PROGRAM	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48	350	425	Surface
12-1/4"	8-5/8"	24	1400	1100	Surface
7-7/8"	4-1/2"	10.5	4500	400	3000

Drill 17-1/2" hole to approximately 350'. Run 13-3/8" casing and set @ 350'. Circulate cement w/425 sx. Cl "C" w/2% CaCl. Drill 12-1/4" hole to approximately 1400'. Run 8-5/8" casing and circulate cement w/600 sx. Halliburton Light containing 1/2 lb. flocele + 4% CaCl and 200 sx. CL "C" thixset w/4% CaCl followed by 300 sx. of Cl "C" w/4% CaCl. Drill 7-7/8" hole to approximately 4500'. Run open hole log. Run 4-1/2" casing and cement w/400 sx. 50-50 Poz/Cl "C" w/.3% CFR-2 and 6 lb/sx. salt. Run correlation log and perforate the Abo formation. Treat w/acid and swab test. Frac w/gelled water and sand if necessary. Potential well.

## Mud Program

0-1400' Native mud  
1400-4500' Native mud & Oil

## Estimated Tops

San Andres 590'  
Glorieta 1430'  
Drinkard 2900'

Abo 3405'  
Hueco 4188'

Blowout Preventors - Cameron 10" Series 900 installed on 8-5/8" casing  
gas is not dedicated  
APPROVAL FOR 180 DAYS  
PERMIT EXPIRES 3-10-82  
UNLESS DRILLING UNDERWAY

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. 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.

Signed J. E. Scherer Title Engineer Date 9-1-81

(This space for State Use)

APPROVED BY W. A. Gressett TITLE MANAGER, DISTRICT II DATE SEP 10 1981

CONDITIONS OF APPROVAL, IF ANY:

**NI MEXICO OIL CONSERVATION COMMISS**  
**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.

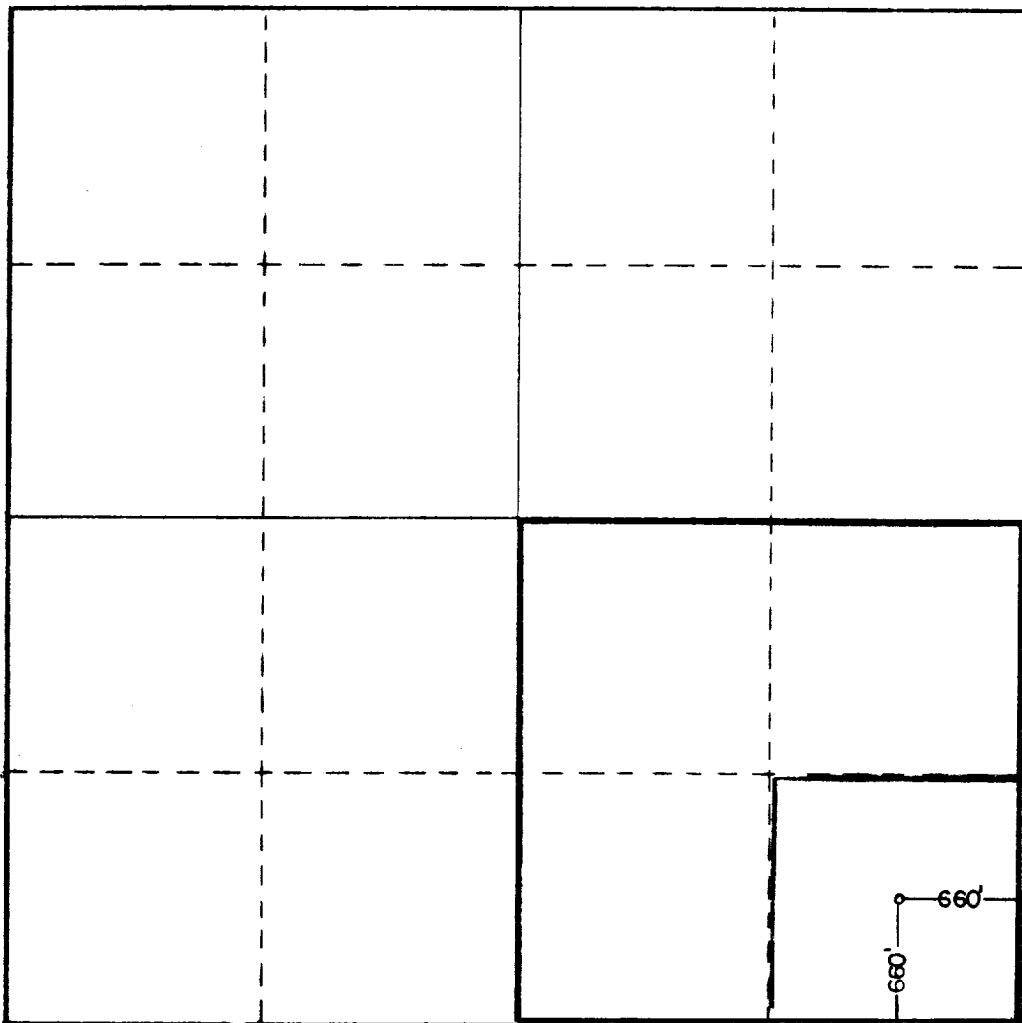
Operator <b>FLAG-REDFERN OIL CO.</b>			Lease <b>STATE 31</b>		Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>31</b>	Township <b>2 SOUTH</b>	Range <b>25 EAST</b>	County <b>DE BACA</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>3899.5</b>	Producing Formation <b>Abo</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>160 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 *J. L. Scherer*  
 Position **Engineer**  
 Company **Flag-Redfern Oil Company**

Date *9/1/81*

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 **8-28-81**

Registered Professional Engineer  
 and/or Land Surveyor

*[Signature]*  
 Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6663**  
**Ronald J. Eldon 3239**