

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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  
Flag-Redfern Oil Company

3. ADDRESS OF OPERATOR  
P. O. Box 23, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 660' FSL & 1980' FEL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
16 miles east of Elkins, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 1120

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'

19. PROPOSED DEPTH 4200'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4346' GL

22. APPROX. DATE WORK WILL START\*  
July 5, 1975

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"	24# J-55	400'	250 sx
7-7/8"	4-1/2"	10.5# H-40	4200'	250 sx

Drill 12 1/4" hole from surface to approximately 400'. Run & set 8-5/8" csg and cmt with 250 sacks Class "C", 2% CaCl. Drill 7-7/8" hole to approximately 4200'. Run open hole logs. Run and set 4 1/2" casing and cement with 250 sacks Class "H" Pozmix with 2% gel, 0.75% CFR-2, 8 lbs salt per sack. Run correlation logs & perforate San Andres formation. Treat with acid. Swab to test. Potential well.

Mud Program: 0 - 400' Native Mud  
400' - 3800' Native Mud and Oil  
3800' - T.D. Starch, Oil Emulsion

Blowout Preventers: Shaffer 10" - Series 900 - Installed on surface pipe.

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 A. Sandig TITLE Petroleum Engineer DATE 6-23-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED  
JUL 17 - 1975  
T. L. BECKWITH  
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES OCT 7 - 1975

\*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.

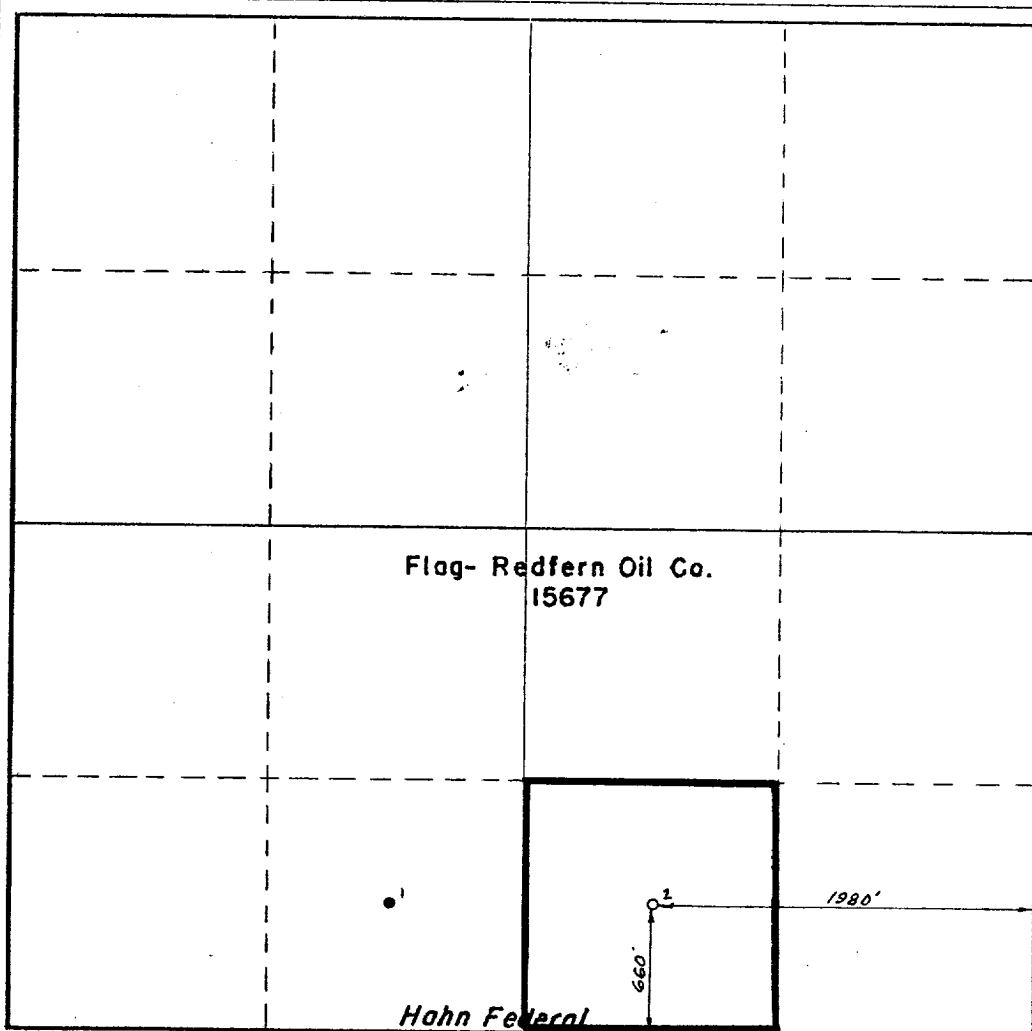
Operator <b>Flag-Redfern Oil Company</b>			Lease <b>Hahn Federal</b>		Well No. <b>2</b>
Unit Letter <b>0</b>	Section <b>27</b>	Township <b>7S</b>	Range <b>31E</b>	County <b>Chaves</b>	
Actual Footage Location of Well:					
<b>660</b> feet from the <b>South</b> line and		<b>1980</b> feet from the <b>East</b> line			
Ground Level Elev. <b>4346</b>	Producing Formation <b>San Andres</b>	Pool <b>Tom-Tom</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 *John H. ...*  
 Position **Petroleum Engineer**  
 Company **Flag-Redfern Oil Company**  
 Date **June 23, 1975**

*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 **June 18, 1975**  
 Registered Professional Engineer and/or Land Surveyor *[Signature]*  
 Certificate No. **7611**



# Flag-Redfern Oil Company

P. O. BOX 23•MIDLAND, TEXAS 79701•410 WALL TOWERS WEST•PHONE (915) 683-5184

June 23, 1975

FILE:

U. S. Department of Interior  
Geological Survey  
P. O. Box 1157  
Hobbs, New Mexico 88240

Re: Flag-Redfern Oil Company  
Hahn Federal No. 2  
Sec. 27, T7S, R31E  
Chaves County, New Mexico

Dear Sirs:

The following is a Development Plan for Surface Use as required to accompany application to drill the captioned well:

1. An existing access road extends 660' north of the southwest corner of Section 27 and then east 1980'. The existing road will be extended 1320' east of Well No. 1.
2. Additional lateral roads in Section 27 will be required as development progresses.
3. The planned access road will be the only road into the lease.
4. Water for drilling operations will be hauled to this location.
5. All solid waste from the drilling operation will be either buried or hauled away. Trash and junk will be buried in a separate pit.
6. If commercial production is obtained, the existing tank battery will be used.
7. Produced brine will be stored in tanks and trucked by permit into an approved subsurface disposal zone.
8. Location layout and rig plan are detailed on the attached development plat.
9. Should this be a dry hole, the pits will be filled and the surface restored as near as possible to the original contours. Should the well produce, the pits will be filled and leveled and the pad maintained during the life of production.

U. S. Department of Interior  
June 23, 1975  
Page Two

Please advise if we can furnish any additional information that you might desire.

Yours very truly,

A handwritten signature in dark ink, appearing to read "John H. Swendig". The signature is written in a cursive style with a vertical line to the left of the first name.

John H. Swendig  
Petroleum Engineer

JHS:ss

Attachments

R -31- E

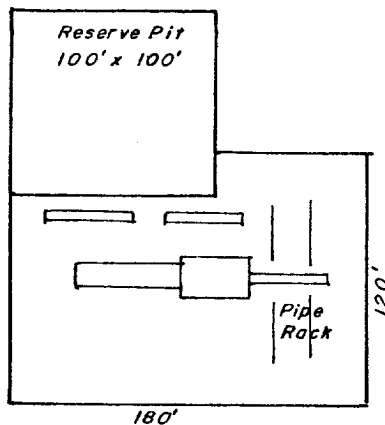
T  
7  
S

27

Flag-Redfern Oil Co

Hahn Fed.

Reserve Pit  
100' x 100'



180'

120'

PAD DETAIL



Flag-Redfern Oil Company

410 WALL TOWERS WEST • MIDLAND, TEXAS 79701

P. O. BOX 23 • PHONE (915) 683-5184

DEVELOPMENT PLAN  
FOR SURFACE USE

CHAVES CO., NEW MEXICO

**RECEIVED**

**JUL 8 1975**

**O. C. C.**  
**ARTESIA, OFFICE**