

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-105-20514

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
 1980' FSL & 660' 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 drlg. unit line, if any) 660'
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'

16. NO. OF ACRES IN LEASE 1120

19. PROPOSED DEPTH 4200'

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4375' GR

22. APPROX. DATE WORK WILL START*
 October 20, 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 & cement with 250 sx 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

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OIL - GAS
GEOLOGICAL SURVEY
ALBUQUERQUE, N.M.

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 [Signature] TITLE Petroleum Engineer DATE October 3, 1975

(This space for Federal or State office use)

PERMIT NO. 175
APPROVED
 APPROVED BY [Signature]
 CONDITIONS OF APPROVAL, IF ANY:
 L. L. BECKMAN
 ACTING DISTRICT ENGINEER

APPROVAL DATIONS
 THIS APPROVAL IS RESCINDED IF OPERATIONS
 HAVE NOT COMMENCED WITHIN 3 MONTHS.
 FEB 9 1976

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NOV 12 1975

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

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.

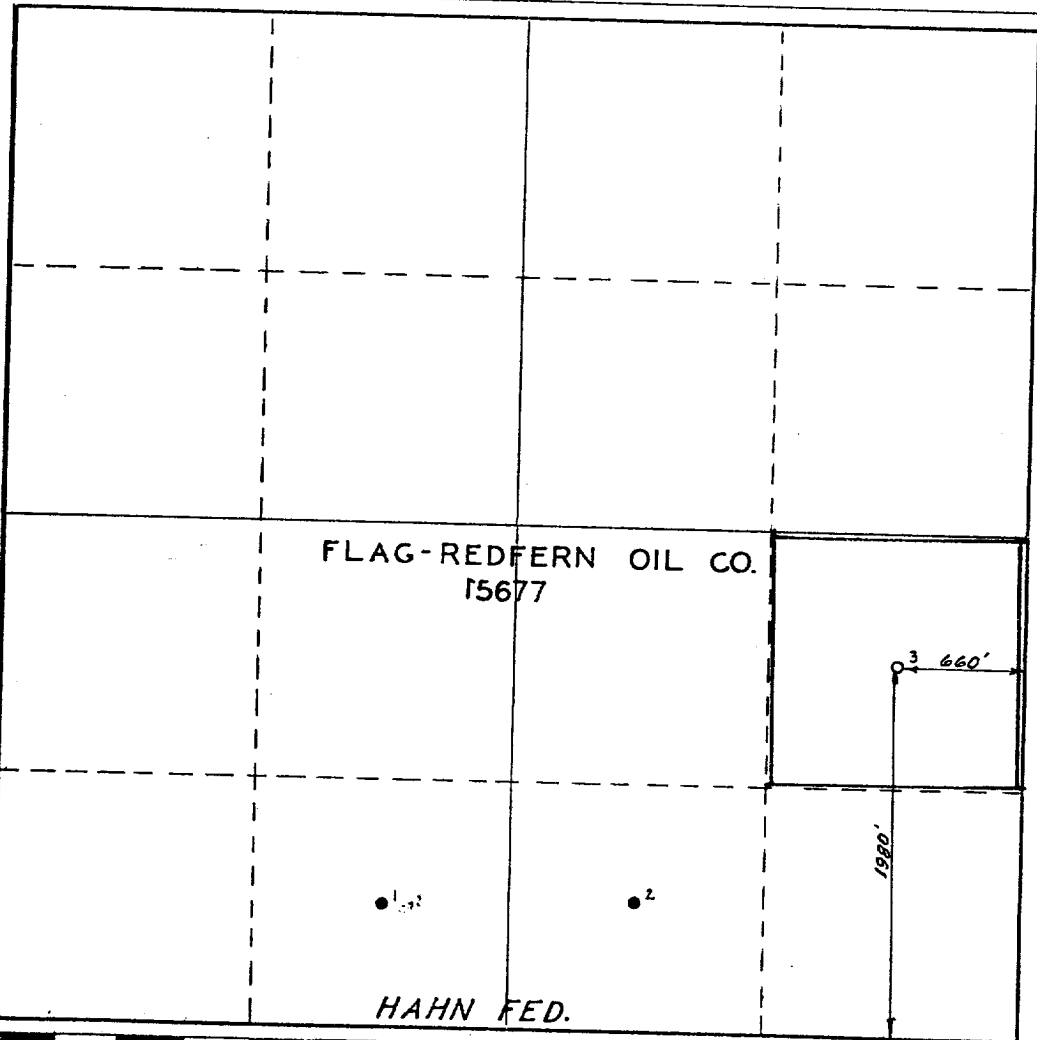
Operator Flag-Redfern Oil Company			Lease Hahn Federal		Well No. 3
Unit Letter I	Section 27	Township 7S	Range 31E	County Chaves	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the East line					
Ground Level Elev. 4375'	Producing Formation San Andres		Pool Tom-Tom	Dedicated Acreage: 40 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.



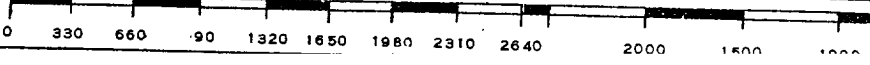
CERTIFICATION

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

Name: *[Signature]*
 Position: **Petroleum Engineer**
 Company: **Flag-Redfern Oil Company**
 Date: **October 3, 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: **September 28, 1975**
 Registered Professional Engineer and/or Land Surveyor: *[Signature]*
 Certificate No.: **707**



1800



Flag-Redfern Oil Company

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

October 3, 1975

FILE:

U. S. Department of Interior
Geological Survey
105 South 4th Street
Artesia, New Mexico 88210

Re: Flag-Redfern Oil Company
Hahn Federal No. 3
Sec. 27, T-7-S, R-31-E
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:

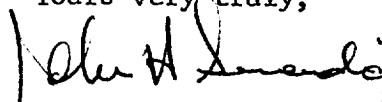
1. An existing access road extends 660' north of the southwest corner of Section 27 and then east 3300'. The existing road will be extended north 1320' from the No. 2 well, then east 1320'.
2. Additional lateral roads in Section 27 will be required as development progresses.
3. The planned access road 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.

1975-1976
1976

U. S. Department of Interior
October 3, 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 large initial "J".

John H. Swendig
Petroleum Engineer

JHS:ss

Attachments

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JUN 12 1976
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.

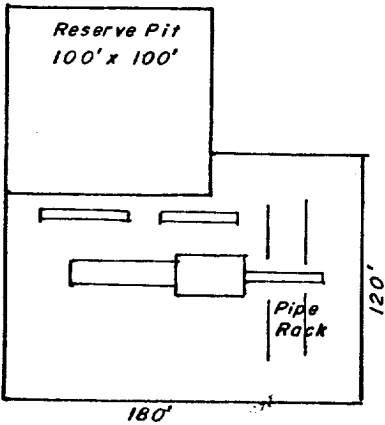
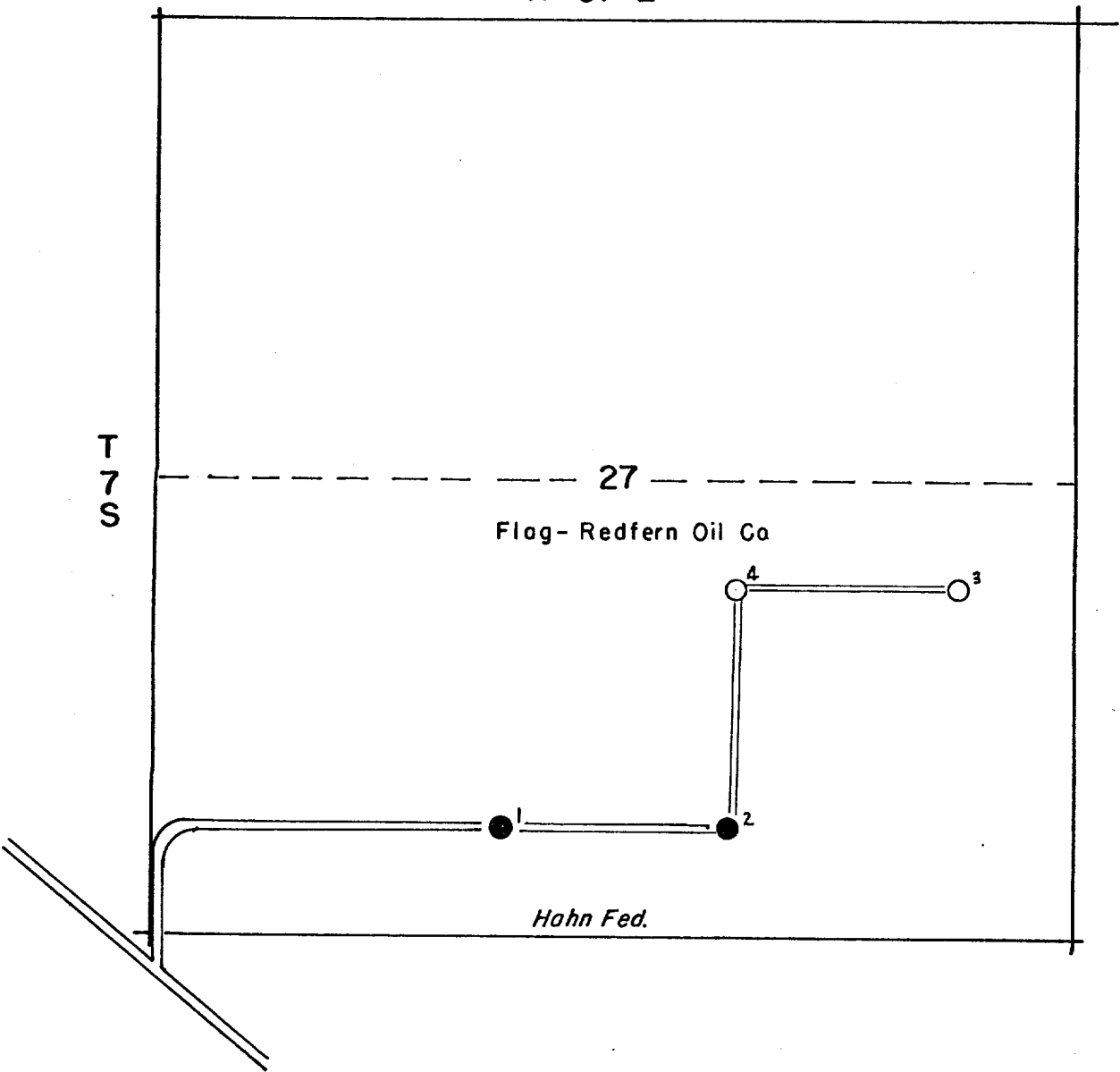
R -31- E

T
7
S

27

Flag- Redfern Oil Co

Hahn Fed.



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

SCALE 1" = 1000'

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APR 12 1975

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