

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

1980' FWL & 1980' FSL

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)

1980'

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

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

19. PROPOSED DEPTH

4200'

20. ROTARY OR CABLE TOOLS

Rotary

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

4368' GR

22. APPROX. DATE WORK WILL START*

April 1, 1976

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#, K-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" casing and cement 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

TITLE

Petroleum Engineer

DATE

March 11, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY
APPROVED
MAR 31 1976
T. L. BEEKWILL
ACTING DISTRICT ENGINEER
THIS APPROVAL IS REVOKED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUN 30 1976
*See Instructions On Reverse Side

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APR - 1 1976

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

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W. CONSERVATION COM. 1.

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.

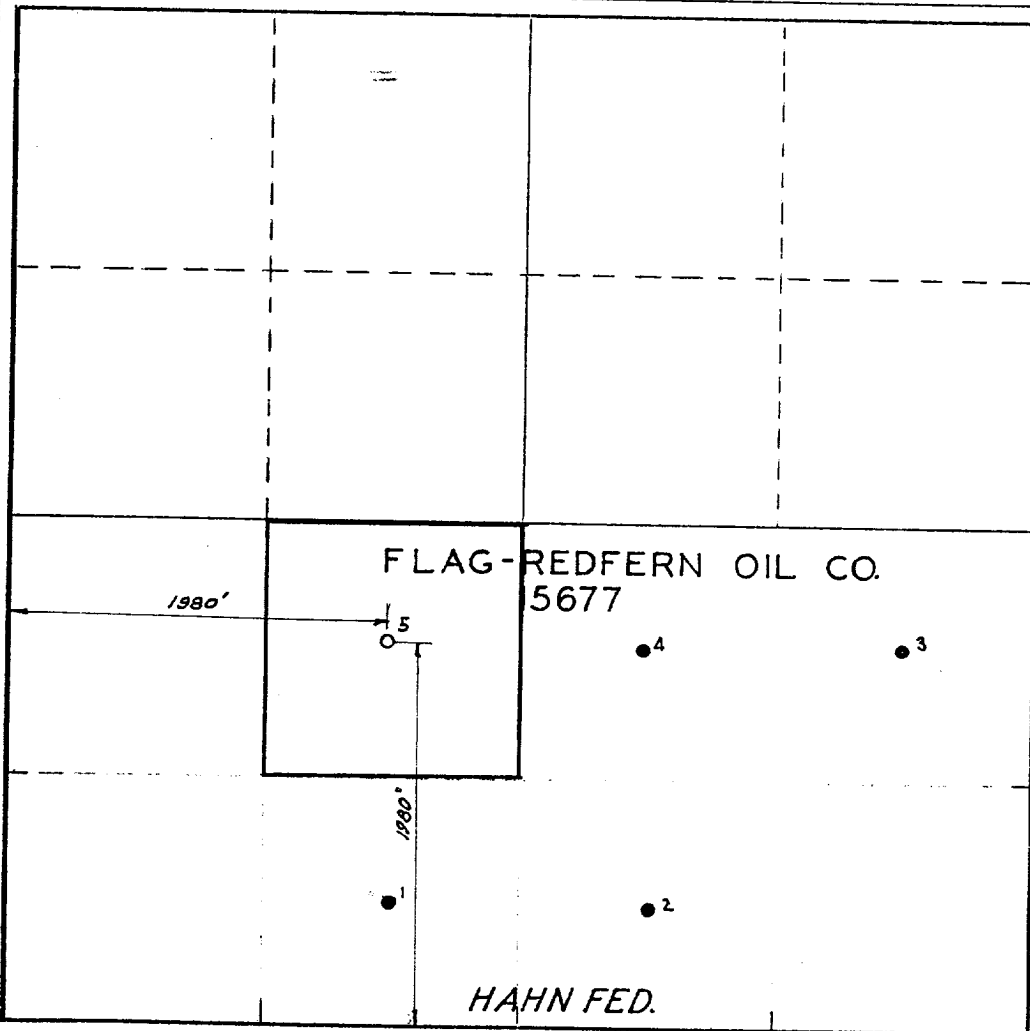
Operator Flag-Redfern Oil Company			Lease Hahn Federal		Well No. 5
Unit Letter K	Section 27	Township 7S	Range 31E	County Chaves	
Actual Footage Location of Well: 1980 feet from the West line and 1980 feet from the South line					
Ground Level Elev. 4368'	Producing Formation San Andres		Pool Tom Tom		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 Robert H. Drendig
Position
Petroleum Engineer

Company
Flag-Redfern Oil Company

Date
March 11, 1976

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.

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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

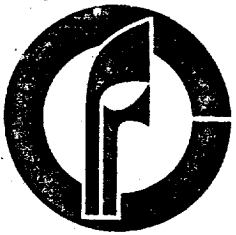
Date Surveyed
March 7, 1976

Registered Professional Engineer and/or Land Surveyor

Certificate No. 7107

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JUL 2 1976
U.S. CONSERVATION COMM.
WASH. D. C.



Flag-Redfern Oil Company

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

March 11, 1976

FILE:

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

Re: Flag-Redfern Oil Company
Hahn Federal No. 5
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 1320' north of the No. 1 well.
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 operations 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.

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WIL CONSERVATION COMM.
HOBBS, N. M.

U. S. Department of Interior
March 11, 1976
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" and "S".

John H. Swendig
Petroleum Engineer

JHS:ss

Attachments

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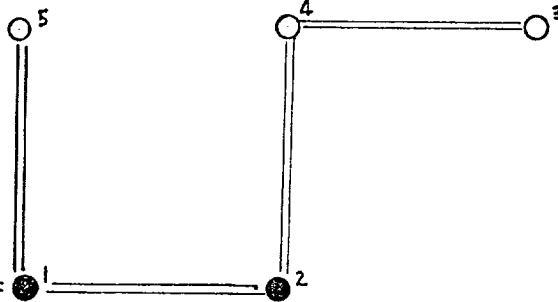
OIL CONSERVATION COMM.
HOBBS, N. M.

R -31- E

T
7
S

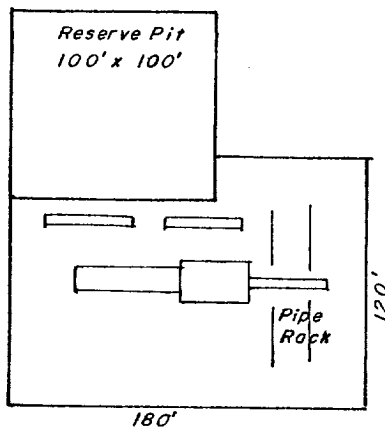
27

Flag- Redfern Oil Co



Hahn Fed.

Reserve Pit
100' x 100'



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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Flag-Redfern Oil Company

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

March 11, 1976

FILE:

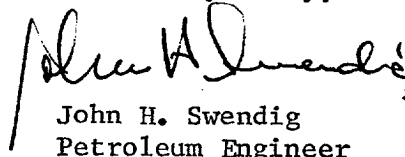
U. S. Department of Interior
Geological Survey
105 South 4th Street
Artesia, New Mexico 88210

Re: Hahn Federal No. 5
Sec. 27, T-7-S, R-31-E
Chaves County, New Mexico

Dear Sir:

Flag-Redfern Oil Company is making application to drill the Hahn Federal No. 5 in Section 27, T-7-S, R-31-E, Chaves County, New Mexico. This is a federal lease, but with fee surface. The surface owner has been contacted, and an agreement has been reached for the use of the surface for drilling the well. No special restoration provisions were included in the agreement.

Yours very truly,


John H. Swendig
Petroleum Engineer

JHS:ss

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ARTESIA, NEW MEXICO

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HARRIS - 17