

HOBBS OFFICE O. C. C.

Inclination Survey

MAY 11 7 55 AM '64

Southern New Mexico Oil Corp. - Southern California Federal Pet. #4

<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>
0	173'		
0	420'	1 3/4	6150'
1 3/4	2225'	1 1/2	6525'
3/4	2610'	1 1/2	7030'
1/2	3030'	3	7455'
2 1/2	3506'	3 1/2	7610'
1 3/4	3641'	2 3/4	7847'
2 1/2	3911'	2 3/4	8135'
4	4060'	2 3/4	8570'
4 3/4	4210'	2 1/2	8840'
4 1/4	4355'	2	9105'
4	4446'	2 1/2	9570'
3 1/2	4604'	2 1/4	9865'
3	5080'	1 3/4	10120'
2 1/2	5405'	1 3/4	10560'
2 1/2	5500'	1 1/2	11060'
1 3/4	5880'	1 1/2	11440'

I certify that the above surveys were taken with an accepted instrument and represent the inclination of the above well from the vertical at the surface location at the depth recorded.

O. H. Crews

Subscribed and sworn to before me on this the 8th day of May, 1964.

Betty Lee Notary Public in and for Midland County, Texas.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPL
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

LC-063386

6. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

So. Calif. Pat. Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Lusk Strawn

11. SEC. T., R., M., OR BLM, AND
SURVEY OR AREA

NE 1/4 of SE 1/4 of Sec. 29

19-S 32-S

12. COUNTY OR PARISH 13. STATE

Lea

New Mexico

1.

OIL
WELL

☐

GAS
WELL

☒

OTHER

Drilling

2. NAME OF OPERATOR

Southern New Mexico Oil Corp.

3. ADDRESS OF OPERATOR

P. O. Box 1659, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

990' from East Line & 1650' from South
Line of Sec. 29

14. PERMIT NO.

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

3552' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☒
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

SHOOTING OR ACIDIZING

ALTERING CASING

(Other)

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On March 20 - 3820' of 8 5/8" new 24# J-55 casing was cemented at 3836' in two stages. The first stage was 750 sacks of regular cement pumped out the shoe @3836'. The D.V. tool was opened and 1850 sacks were pumped out this tool @2479'. This cement set up 100' from the surface and tied in 758' of the 13 3/8" surface pipe. After 24 hrs. a pressure of 1000 psi was applied at the surface for 30 min. There was no pressure drop. Drilling was resumed.

18. I hereby certify that the foregoing is true and correct

SIGNED

O.H. Crews

O.H. Crews

TITLE

Adm. Coordinator

DATE

4/20/64

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

LC-063586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

No. Calif. Pet. Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Lunk Strawn

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW 1/4 of SE 1/4 of Sec. 29

19-2, 32-E

12. COUNTY OR PARISH 13. STATE

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐ Drilling

2. NAME OF OPERATOR
Southern New Mexico Oil Corporation

3. ADDRESS OF OPERATOR
Box 1659, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 990' from East Line and 1650' from South
Line of Sec. 29

14. PERMIT NO.

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

3552 Gr.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

The Southern California Petroleum Federal #4 well was spudded at 8:00 PM
March 8, 1964. On March 9 858' of 13 3/8" 48# H-40 casing was cemented
with 775 sacks. The plug was down at 7:00 AM. The cement circulated.

After 20 hours a pressure of 1000 psi was applied at the surface for 30
minutes. There was no pressure loss.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Agent

DATE

3/11/64

(This space for Federal or State office use)

APPROVED

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

MAR 13 1964

DATE

J. L. GORDON

*See Instructions on Reverse Side
ACTING DISTRICT ENGINEER

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

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

Southern New Mexico Oil Corporation

3. ADDRESS OF OPERATOR

Box 1639 Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

990' from East Line and 1630' from South Line of

Sec. 29

At proposed prod. zone

Strawn

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

40 Mi. N.W. of Eunice

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any)

990'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

11,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

See Survey

22. APPROX. DATE WORK WILL START*

Immediately

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8	48	800	700
12"	8 5/8	32	3800	* 1600
7 7/8"	4 1/2	13.5 & 11.5	11500	300

* 2 stage D.V. Tool.

Objective: Strawn Lima at about 11,300'

The Strawn formation will be tested through jet perforations after washing with 1000 gal of mud acid through 2" tubing. The well will be properly tested and produced.

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

O.H. Crews

O.H. Crews

TITLE

Agent

DATE

2/27/64

(This space for Federal or State office use)

PERMIT NO.

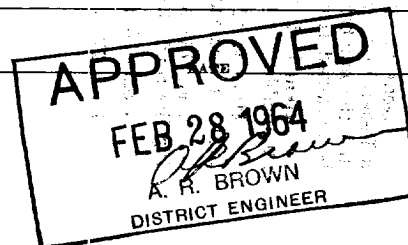
APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

HOBBS OFFICE O. C. C.

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE 7 AM '64

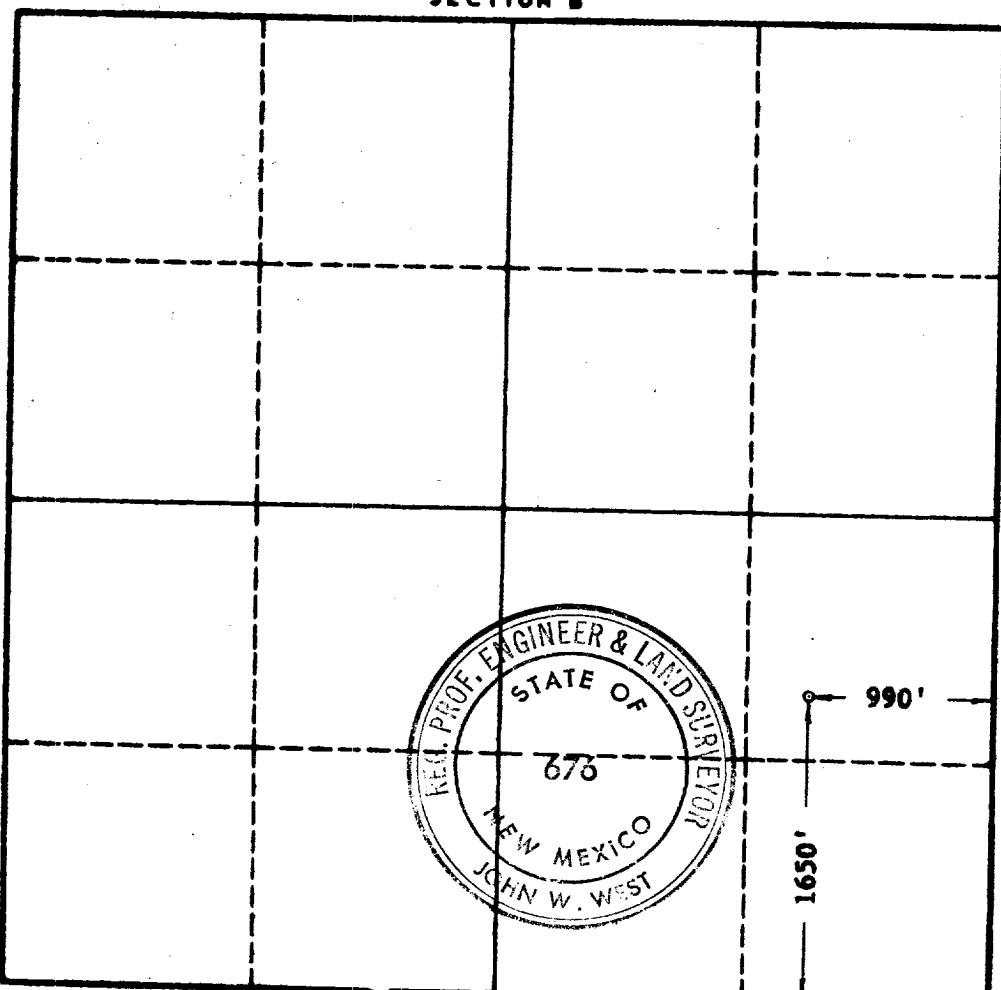
SECTION A

Operator SOUTHERN NEW MEXICO OIL CORP.		Lease SOUTHERN CALIFORNIA PET. FED.		Well No. 4
Well Letter 1	Section 29	Township 19 SOUTH	Range 32 EAST	County LEA
Actual Footage Location of Well: 1650 feet from the SOUTH line and 990 feet from the EAST line				
Ground Level Elev. 3552	Producing Formation STRAWN	Pool LUSK STRAWN	Dedicated Acreage: 160 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (69-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name John W. West
Position **AGENT**
Company **SOUTHERN N.M. OIL CORP.**
Date **2-27-1964**

I hereby certify that the well location shown on the plat in SECTION B 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 **2-27-1964**
Registered Professional Engineer and/or Land Surveyor, **JOHN W. WEST**
Certificate No. John W. West
N.M. - P.E. & L.S. NO. 676

0 330 660 990 1320 1650 1980 2310 2640 2000 1600 1200 800 400 0

COUNTY	LEA	FIELD	Lusk-Strawn	STATE	N.M.
OPR	SOUTHERN NEW MEXICO OIL CORP.				MAP
4 Southern California Pet.-Federal					
Sec. 29, T-19-S, R-32-E				CO-ORD	
1650' fr S Line & 990' Fr E Line of Sec.					
Spud 3-8-64		CLASS		EL 35638	
Comp 5-8-64		FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING		LOG:			
13 3/8"	877'	775	Anhy 867		
8 5/8"	3836'	2600	Yates 2610		
4 1/2"	11446'	600	SA 4230		
			B Spg 7205		
			Wolfc 10456		
LOGS	EL	GR	RA	IND	HC A
			Strawn 11210		
			TD 11449', PBD 11410'		

IP Strawn Perfs 11324-368' Flwd 458 BOPD. Pot. Based on 6 hr test of 114.67 BO thru 14/64" chk., TP 1190#, CP 1050#, Gravity 46., GOR 1338.

Distribution limited and publication prohibited by subscribers' agreement.
Reproduction rights reserved by Williams & Lee Scouting Service, Inc.

CONT. DATE PROP DEPTH 11,500' TYPE

F.R. 3-5-64; Oper's Elev. 3566' KB
PD 11,500'--Strawn
3-9-64 Drlg. 530' red beds
3-16-64 Drlg. 3350' 1m.
3-23-64 Drlg. 4219' 1m.
3-30-64 Drlg. 5479' 1m.
4-6-64 Drlg. 7911' 1m.
4-13-64 Drlg. 9616'
4-20-64 TD 11449', prep to log.
4-27-64 TD 11449', SI for Storage.
Perf 11324-368' W/2 SPF
Ac. 1000 gals (MA)
flwd to clean
5-4-64 TD 11449', WO Pot.
5-11-64 TD 11449', PBD 11410', COMPLETED
Re-Ac. 5000 gals (Reg.) 11324-368'
LOG TOPS: Top Pay 11324'.