

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-041-20561

5. LEASE DESIGNATION AND SERIAL NO.

NM-15019

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cone Federal

9. WELL NO.

24

10. FIELD AND POOL, OR WILDCAT

Tomahawk, San Andres

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

NW SW

Section 27, T.7S., R.32E.

12. COUNTY OR PARISH

13. STATE

Roosevelt

New Mexico

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

SUNDANCE OIL COMPANY

3. ADDRESS OF OPERATOR

Suite 910, 1776 Lincoln Street, Denver, CO 80203

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

At surface

1980' FSL and 660' FWL, Unit L

At proposed prod. zone

Same

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

18 miles southeast of Kenna, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660

16. NO. OF ACRES IN LEASE

560

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

4420

20. ROTARY OR CABLE TOOLS

Rotary

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

4472.0' GL

22. APPROX. DATE WORK WILL START*

December 10, 1980

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	1900	300 sx Econ & 100 sx Class C
7 7/8"	4 1/2"	10.5	4420	300 sx 50/50 Poz

Well will be drilled to total depth and evaluated by running logs and DST's when necessary. Casing will be run when logs and DST's indicate possible commercial production.

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

Richard G. Dimitt

TITLE Vice President, Production

DATE October 29, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY (Orig. Sgd.) PETER W. CHESTER

TITLE ACTING DISTRICT ENGINEER

DATE NOV 26 1980

CONDITIONS OF APPROVAL, IF ANY:

**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

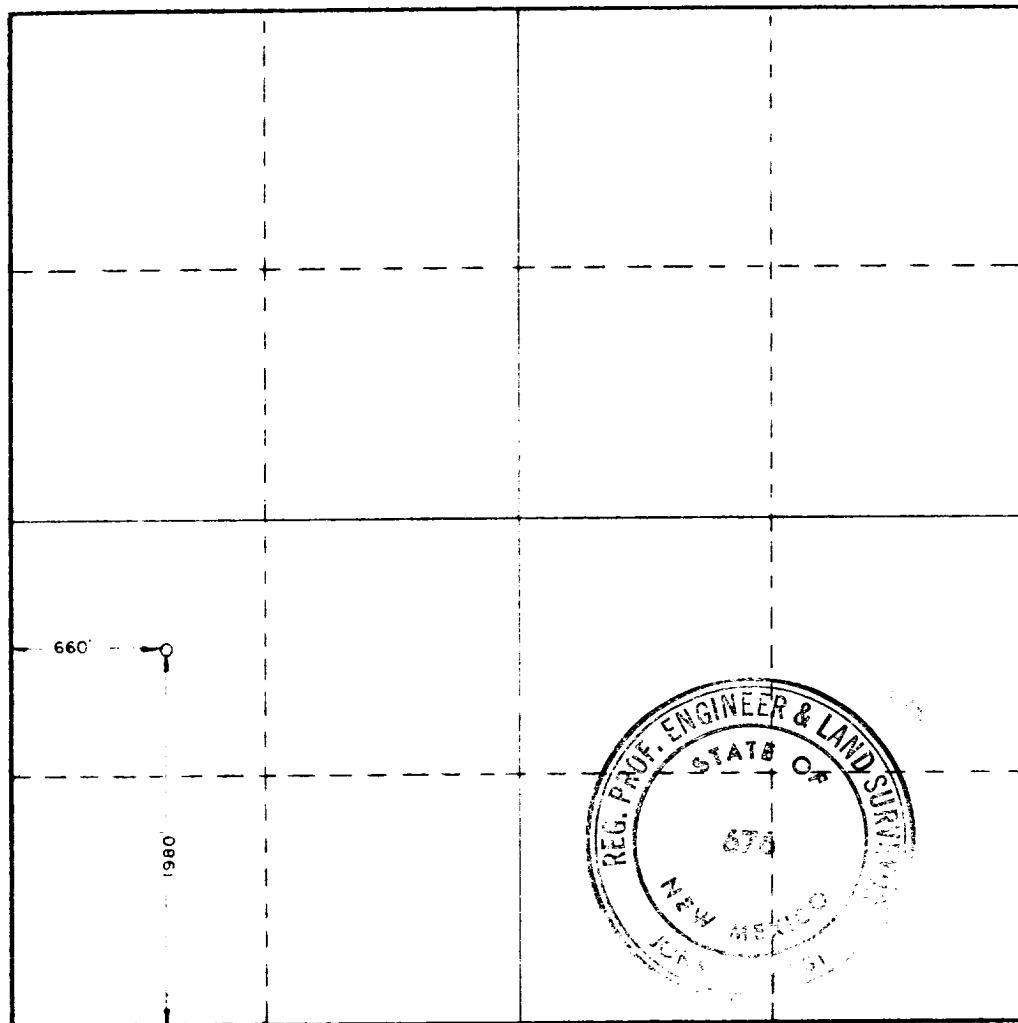
Operator Sundance Oil Co.			Lease Cone		Well No. 24
Unit Letter L	Section 27	Township 7 South	Range 32 East	County Roosevelt	
Actual Borehole Location of Well: 1980 feet from the south line and 660 feet from the west line					
Ground Level Elev. 4472.0	Producing Formation San Andres		Pool Tomahawk		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Richard O. Dimit
Name

Richard O. Dimit

Position

Vice President, Production

Company

Sundance Oil Company

Date

October 27, 1980

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

Oct. 16, 1980

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 678**
PATRICK A. ROMERO 6868
Ronald J. Eidson 3239

Attachment to Form 9-331 C
Application for Permit to Drill

Sundance Oil Company, Cone Federal #24
1980' FSL and 660' FWL of Section 27, T.7S., R.32E.
Roosevelt County, New Mexico

1. The geologic name of the surface information is Triassic red beds overlain by wind blown sands.

2. The estimated tops of important geologic markers are as follows:

Rustler	1870'
Salado	1900'
Yates	2290'
San Andres	3450'
P-1	4150'
P-2	4235'
T.D.	4420'

3. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations will be encountered are as follows:

Ogalala	150' water
Salado	1900' salt
San Andres	3450' oil and gas
P-1	4150' oil and gas
P-2	4235' oil and gas

4. The proposed casing program is as follows:

Surface: New 8 5/8", 24#/ft., ST&C.
Production: New 4 1/2", 10.5#/ft., ST&C, K-55.

5. A sketch of an API Series 900 Blowout Preventer is attached. Pipe rams and blinds will be checked to 1000 psi for 30 minutes when BOP is installed. BOP will be checked when casing is set and operated daily for checks.

6. The proposed mud program is as follows:

0-1900' spud mud	8.5 - 9.0#/gal.
1900-3500' native mud	9.0 - 9.5#/gal.
3500-T.D. salt gel	9.0 - 10.0#/gal.

7. The auxiliary equipment to be used is:

- a. Kelly cocks.
- b. Floats at the bit.
- c. Stabbing valve on rig floor with sub to fit drill pipe.

8. It is proposed to run 2" and 5" GR, CNL, FDC, DLL/MLL logs from TD to 1800'.

9. No abnormal pressures or temperatures are expected to be encountered in this well.

10. The anticipated starting date for this well is December 10, 1980. Estimated duration of drilling operations is 10 to 12 days.