

UNITED STATES

SUBMIT IN DUPLICATE\*

Form approved.  
Budget Bureau No. 42-R355.5.DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(See instructions on  
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

LC 067132

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Empire Federal "22" Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated (Atoka)

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

Sec 22, T-18-S, R-29-E

12. COUNTY OR  
PARISH

Eddy

13. STATE

New Mexico

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Southland Royalty Company ✓

3. ADDRESS OF OPERATOR

1100 Wall Towers West, Midland, Texas 79701

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

At surface 1980' FSL &amp; 1980' FWL, Sec 22, T-18-S, R-29-E

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

11-8-80

16. DATE T.D. REACHED

12-31-81

17. DATE COMPL. (Ready to prod.)

2-4-81

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*

3448.2

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

11,597

21. PLUG, BACK T.D., MD &amp; TVD

10,920'

22. IF MULTIPLE COMPL.,  
HOW MANY\*

N.A.

23. INTERVALS  
DRILLED BY

→

ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

10,630-10,640' Atoka

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/FDC/GR-Caliper; DLL/RXO-GR

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD              | AMOUNT PULLED  |
|-------------|-----------------|----------------|-----------|-------------------------------|----------------|
| 11 3/4"     | 42#             | 245'           | 17 1/2"   | 325 sxs Cl "C" 1% cc          | Circ           |
| 8 5/8"      | 24 & 28#        | 3200'          | 11"       | 1st stage: 810sx Cl "C" 2% cc | Circ           |
|             |                 |                |           | 2nd stage: 425sx Cl "C" 3% cc |                |
| 4 1/2"      | 11.6 & 13.5     | 11,585         | 7 7/8"    | 325sx lite wt & 800 sx Cl "H" | TOC @ 7220' by |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
|      |          |             | RECEIVED      |             |

30. TUBING RECORD

| SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 2 3/8" | 10,500'        | 10,500'         |

31. PERFORATION RECORD (Interval, size and number)

~~11,013-11,218~~  
10,630-10,640' 1 JSPF

APR 15 1981

O. C. D.  
ARTESIA, OFFICE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD)       | AMOUNT AND KIND OF MATERIAL USED          |
|---------------------------|-------------------------------------------|
| <del>11,013-11,218'</del> | <del>Spot 250 gals 10% acetic acid</del>  |
| <del>11,013-11,218'</del> | <del>Acid 2 w/8000 gals 7% MSP acid</del> |
| <del>11,013-11,218'</del> | <del>Sqz perfs w/50 sxs Cl "H"</del>      |
| 10,630-10,640'            | Spot 250 gals 10% acetic acid             |

33.\* PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|------------------------------------|---------------|
| 2/4/81                |                 | Flowing                                                              |                         |          |            | SI                                 |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
| 3/31/81               | 1 hr            | 10/64"                                                               | →                       | -0-      | 21.54      | -0-                                | -             |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| 800                   | -               | →                                                                    | -0-                     | 517      | -0-        | -                                  |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SI (to be sold)

TEST WITNESSED BY

Wayne Grubbs

35. LIST OF ATTACHMENTS

Electric logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE District Operations Engineer DATE 4/8/81

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal 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 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 and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. should be listed on this form, see item 35.

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequate for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

|                                                                                                                                                                                                                                                       |       |        |                                                                                                                                                                                                                        |                                                                                                      |                                                                                |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----|
| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |       |        |                                                                                                                                                                                                                        | 38.                                                                                                  | GEOLOGIC MARKERS                                                               |    |
| FORMATION                                                                                                                                                                                                                                             | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                                                            | NAME                                                                                                 | MEAS. DEPTH                                                                    | TO |
| Wolfcamp                                                                                                                                                                                                                                              | 8738' | 8764'  | DST #1 15 min preflow, Fair blow. 1 hr ISI,<br>1 hr FF, fair blow. 3 hr FSI. Rec 10' oil<br>800' sulphur wtr. Sampler 2200 cc cap samp:<br>Rec 1900 cc wtr, 43 MCF, 300# BHT, 132OF,<br>IH 4394, IF 149-289, ISI 3229. | Bone Springs<br>Wolfcamp<br>Cisco<br>Lower Strawn<br>Atoka<br>Morrow "A"<br>Chester<br>Mississippian | 6682'<br>8649'<br>9681'<br>10,181'<br>10,467'<br>10,888'<br>11,353'<br>11,547' |    |

**N 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.

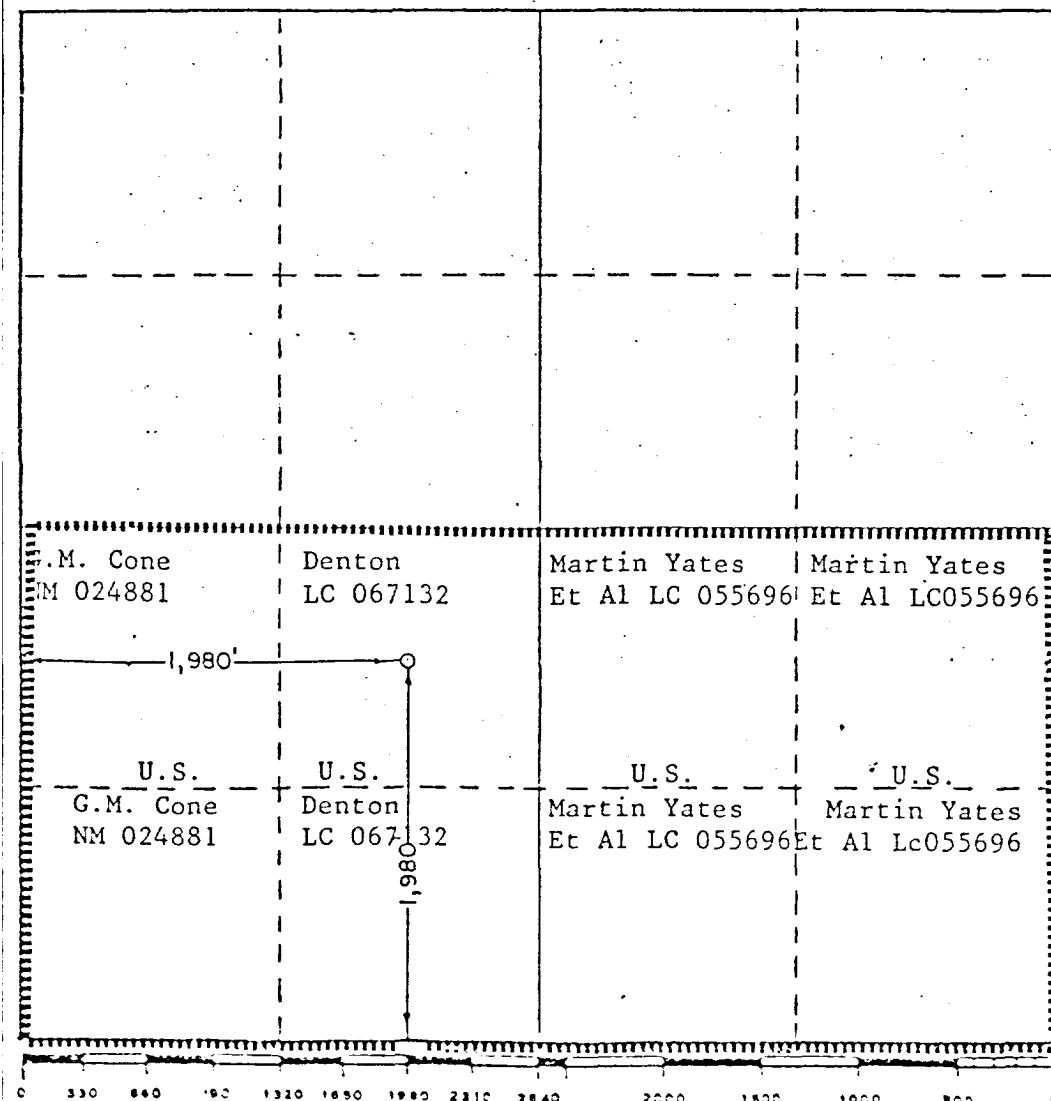
|                                                                                                                                |                                     |                             |                                     |                                        |                      |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|-------------------------------------|----------------------------------------|----------------------|
| Operator<br><b>SOUTHLAND ROYALTY COMPANY</b>                                                                                   |                                     |                             | Lease<br><b>EMPIRE FED. 22 COM.</b> |                                        | Well No.<br><b>1</b> |
| Unit Letter<br><b>K</b>                                                                                                        | Section<br><b>22</b>                | Township<br><b>18 SOUTH</b> | Range<br><b>29 EAST</b>             | County<br><b>EDDY</b>                  |                      |
| Actual Footage Location of Well:<br><b>1980</b> feet from the <b>SOUTH</b> line and <b>1980</b> feet from the <b>WEST</b> line |                                     |                             |                                     |                                        |                      |
| Ground Level Elev.<br><b>3448.2' Gr</b>                                                                                        | Producing Formation<br><b>Atoka</b> | Pool<br><b>Undesignated</b> |                                     | Dedicated Acreage:<br><b>320</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 Communitization

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 C. Parson  
 Position District Operations Engineer  
 Company Southland Royalty Company  
 Date 4/8/81

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 OCTOBER 29TH 1980  
 Registered Professional Engineer and/or Land Surveyor  
 Signature Donald L. Eide  
 Certificate No. 676

FIELD N. Turkey Track COUNTY Midland OCC NUMBER           
OPERATOR Southland Royalty Company ADDRESS 1000 Fort Worth Club Tower  
Fort Worth, Texas 76102  
LEASE Empire Federal "22" Com. WELL NO. 1  
SURVEY <sup>1980</sup> 660' FSL & 1980' FWL of Sec. 22 T-18-S R-29-E

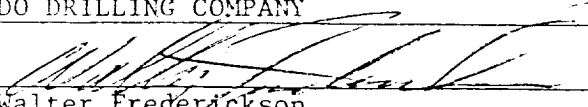
RECORD OF INCLINATION

| <u>DEPTH (FEET)</u> | <u>ANGLE OF INCLINATION (DEGREES)</u> |
|---------------------|---------------------------------------|
| 245                 | 1/4                                   |
| 950                 | 1/2                                   |
| 1,465               | 3/4                                   |
| 2,210               | 3/4                                   |
| 2,710               | 3/4                                   |
| 3,236               | 3/4                                   |
| 3,794               | 3/4                                   |
| 4,292               | 3/4                                   |
| 4,765               | 3/4                                   |
| 5,192               | 1                                     |
| 5,699               | 1                                     |
| 6,191               | 1                                     |
| 6,646               | 1 1/4                                 |
| 7,451               | 1 1/4                                 |
| 8,160               | 1 1/4                                 |
| 8,705               | 1 1/4                                 |
| 9,400               | 1                                     |
| 9,980               | 1 1/4                                 |
| 10,457              | 1                                     |
| 11,045              | 1                                     |
| 11,560              | 1                                     |

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: 

Walter Frederickson  
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

4<sup>th</sup> day of January, 1981

Margaret B. Anderson Notary Public in and for Midland County, Texas.  
Margaret B. Anderson