

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions reverse)

Form approved. Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other [ ]

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other [ ]

2. NAME OF OPERATOR: SUNDANCE OIL COMPANY

3. ADDRESS OF OPERATOR: Suite 510, 1776 Lincoln St., Denver, CO 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\* At surface 660' FEL, 1980' FSL Unit I

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO. DATE ISSUED 4/20/78

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.

4

10. FIELD AND POOL, OR WILDCAT

Tomahawk, San Andres

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

Section 31, T.7S., R.32E.

12. COUNTY OR PARISH: Roosevelt 13. STATE: New Mexico

15. DATE SPUNDED: 4/19/78 16. DATE T.D. REACHED: 4/27/78 17. DATE COMPL. (Ready to prod.): 6/2/78 18. ELEVATIONS (DF, RKB, BT, GR, ETC.)\*: 4496' GL 19. ELEV. CASINGHEAD: Same

20. TOTAL DEPTH, MD & TVD: 4400 21. PLUG, BACK T.D., MD & TVD: 4375' 22. IF MULTIPLE COMPL., HOW MANY\*: Single 23. INTERVALS DRILLED BY: [ ] ROTARY TOOLS: All CABLE TOOLS: None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*: 4323-33', P-3 zone of San Andres Formation 25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Schlumberger DLL, RX0, SNP 27. WAS WELL CORED: Yes

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 8 5/8" and 4 1/2" casing sizes.

Table with 8 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT\*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD). Rows include 2 3/8" tubing size.

Table with 2 columns: PERFORATION RECORD (Interval, size and number) and ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Rows include 4323-33' w/2 spf, 20 holes and 3000 gal. 20% DS-30 w/ball sealer.

Table with 8 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO. Rows include 5/30/78 production date and 6/1/78 test date.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Used for fuel TEST WITNESSED BY: Jim Akin

35. LIST OF ATTACHMENTS

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

SIGNED: Richard O. Dimit TITLE: Vice President, Production DATE: June 12, 1978

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

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# 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 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. 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 report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments 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 local State or 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 the producing 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, adequately identified, 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 tool.

**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:**

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION TESTED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			<p>Cored from 2310-2358', cut 48', rec. 44'</p> <p>DST #1: 4196-4250            30/90/120/180            GTS in 15 minutes.            Rec. 30' 0&amp;GCFW            IHP: 2265            FHP: 2265            IFP: 79-236            FFP: 289-578            ISIP: 1208            FSIP: 1208</p>

**38. GEOLOGIC MARKERS**

NAME	TOP		TRUE VERT. DEPTH
	MEAS. DEPTH	TOP	
Rustler	1826		Same
Salado	1869		Same
Yates	2254		Same
San Andres	3412		Same
Pi Marker	3968		Same
P-1	4119		Same
P-2	4196		Same
P-3	4310		Same