

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

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

SOLAR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 5596 Midland, Texas

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

At surface 660' FNL & 660' FEL

At top prod. interval reported below

same

At total depth same

14. PERMIT NO.

DATE ISSUED

12-13-68

5. LEASE DESIGNATION AND SERIAL NO.

NM 029029 - E

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sims Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Wantz Abo

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

Sec. 7, T-22-S, R-38-E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

19. ELEV. CASINGHEAD

3358'

15. DATE STUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

12-28-69

1-14-69

2-9-69

3358' GR

20. TOTAL DEPTH, MD & TVD

7555'

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

7521'

22. IF MULTIPLE COMPL., HOW MANY*

two

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-TD

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

7470' - 7150' Abo

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

BHC - Acoustilog

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	860'	13-3/4"	500 sx	
7"	23# & 26#	7555'	8-3/4"	650 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7258'	6426'
2-3/8"	6342'	

31. PERFORATION RECORD (Interval, size and number)

See Attached

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

33.

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
2-3-69		Pmpg		2" X 1-1/2" X 16' insert		Prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-27-69	24	--	→	12	16	10	1308
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
--	--	→	12	16	10	39.6	

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

Vented

TEST WITNESSED BY

R. Yancey

35. LIST OF ATTACHMENTS

Log

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

SIGNED

TITLE

Production Clerk

DATE

July 24, 1969

*(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 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 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, etc.), formations, 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 USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKS	
				NAME	MEAS. DEPTH
				T/Anhy	1447'
				T/Salt	1540'
				B/Salt	2684'
				T/Yates	2853'
				T/Seven Rivers	3112'
				T/Queen	3682'
				T/Grayburg	3853'
				T/San Andres	4282'
				T/Glorieta	5187'
				T/Blinberry	5600'
				T/Tubb	6438'
				T/Drinkard	6600'
				T/Abo	7132'

SIMS FEDERAL #4

7470' - 7394'	13 1/2" holes	A/5500 gals 15% NE; 4000 gals 28%; 19,000 wtr.
7370' - 7185'	20 1/2" holes	A/8000 gals 15% NE; 6000 gals 28% NE; 30,000 gals wtr.
7201' - 7150'	8 1/2" holes	A/5000 gals 15% NE; 4000 gals 28% NE + 23,000 wtr.
6388' - 6268	14 1/2" holes	A/1500 gals 15% NE
6225' - 6122'	14 1/2" holes	A/1800 gals 15% NE; F/40,000 gals brine + 74,500# sd.
6092' - 6018	10 1/2" holes	A/1000 gals 15% NE; F/20,000 gals brine + 37,000# sd.
5985' - 5882	19 1/2" holes	A/2000 gals 15% NE; F/40,000 gals brine + 80,000# sd.

WELL NAME AND NUMBER Sims Fed #4
LOCATION Section 7 T-22-SR 38-E 660 F/NL 660 F/EL Lea County, N.M.
OPERATOR Solar Oil Company

The undersigned hereby certifies that he is an authorized representative of contractor who drilled the above described well and that deviation tests were conducted with the following results:

DEGREE @ DEPTH

3/4 @ 500
1 @ 860
1 @ 1373
1/4 @ 1874
1 1/4 @ 2809
1 1/2 @ 3005
1 1/4 @ 3498
1 1/4 @ 3685
1 1/4 @ 4118
1 @ 4432
1 @ 4787
1 1/4 @ 5280
1 @ 5521
1 @ 5938
1 1/2 @ 6303
1 @ 6588
1 @ 6986
3/4 @ 7120
1 @ 7340
1 @ 7555

DEGREE @ DEPTH

CORAL DRILLING, INC.
McFarland Division

By: F. W. Bellis

Subscribed and sworn to before me this 17th day of June 1969

John J. Smith Jr.
Notary Public in and for the
County of Midland, State of
Texas

My Commission Expires: June 1, 1971