

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions 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' FN&WL

At top prod. interval reported below 660' FN&WL

At total depth 660' FN&WL

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

12-6-68

16. DATE T.D. REACHED

12-26-68

17. DATE COMPL. (Ready to prod.)

4-30-69

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3405.7 GR

19. ELEV. CASINGHEAD

3405.7

20. TOTAL DEPTH, MD & TVD

7565'

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

7535'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

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

7167' - 7466'

Drinkard

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-N

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	45.5#	838'	15"	550	
7"	26#	7563'	8-5/8"	675	

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"	7310'	

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

DATE FIRST PRODUCTION 1-17-69 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2" x 1-1/2" x 16' insert pump

WELL STATUS (Producing or shut-in) Prod.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-1-69	24 hours			15	15	87	980
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
			15	15	87	40.2	

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 M J Smith

TITLE Production Clerk

DATE 8-7-69

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

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 land and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

Form: 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, 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 33.

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 should be listed on this form, see item 3b.

for Part 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, showing the additional data pertinent to such interval.

For each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

Item 30: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

[illegible]

SPEAR FEDERAL # 2 "C".

AUG 19 1 15 PM '69

7466'-7313'	18	1/2" holes	A/2000 gals 15% NE
7291'-7167'	17	1/2" holes	A/8000 gals 15% NE, 6000 gals 28% & 30,000 gals wtr.
6524'-6335'	20	1/2" holes	A/2000 gals 15% NE; F/40,000 gals brine & 55,000# 20-40 sd.
6524'-6335'			Squeezed w/300 sx cmt.
6293'-6058'	24	1/2" holes	A/1000 gals 15% NE; F/40,000 gals brine & 66,000# 20-40 sd.
6293'-6058'			Squeezed w/400 sx Class "C". Re-squeezed w/200 sx Class "C"
7125'-7035'	17	1/2" holes	A/1000 gals 15% NEFE. F/20,000 gals brine + 27,000# sd.
7001'-6861'	18	1/2" holes	A/2000 gals 15% NEFE. F/40,000 gals brine & 40,000# 20-40 sd.
6830'-6753'	13	1/2" holes	A/1000 gals 15% NE F/32,500 gals brine & 40,000# sd.
7150'-6720'			Squeezed w/350 sx Class "C"

WELL NAME AND NUMBER SPEAR FEDERAL #2
LOCATION 660' FN&WL, Section 21, T-22-S, R-38-E, Lea County, New Mexico
OPERATOR SOLAR OIL COMPANY

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

DEGREE @ DEPTH

3/4
1-1/2
1
1-1/4
1-1/2
1-1/4
1
1
1-1/2
2
2-1/4
2
2-1/2
2-1/2
2-1/2

DEGREE @ DEPTH

512
845
1340
1833
3078
3485
4132
4505
4995
5469
5870
6166
6731
7028
7420

By: MJ Smith

Subscribed and sworn to before me this 8th day of August 1969

R. Stalman
Notary Public in and for the
County of Midland, State of
Texas

My Commission Expires: June 1, 1970