

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.

5. LEASE DESIGNATION AND SERIAL NO.

NM 14931

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tonto Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

East Lusk-Bone Spring

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

Sec. 27, T-19S, R-32E

12. COUNTY OR
PARISH

Lea

13. STATE

NM

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 Re-entry

2. NAME OF OPERATOR

Sun Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1861, Midland, TX 79702

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

At surface

660' FNL & 660' FWL of Sec. 27. Unit Letter "D".

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

Blanket

11-4-76

15. DATE SPUDDED

12-1-76

16. DATE T.D. REACHED

12-27-76

17. DATE COMPL. (Ready to prod.)

1-25-77

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

RKB 3606'

GR 3588'

19. ELEV. CASINGHEAD

Est. 3586'

20. TOTAL DEPTH, MD & TVD

10,780'

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

10,736'

22. IF MULTIPLE COMPL.,
HOW MANY*

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23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-10,780'

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

Top of Bone Spring Oil Pool - 7374'

Bottom of Bone Spring Oil Pool - 10,137'

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNFD & DLL

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	512'	17 1/2"	450 sxs. Cmt. Circ. Surf.	None
9 5/8"	32 & 40#	4532'	12 1/4"	3345 sxs. " " "	None
5 1/2"	15.5 & 17#	10780'	8 3/4"	630 sxs. TOC @ 7000' by Temp. Survey	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 7/8"	4033'	

31. PERFORATION RECORD (Interval, size and number)

10102 - 10106' - 2 JSPF, 9 holes w/4" DP
Csg. gun, 0.48 19 gm. chg.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10102-06'	Acid, w/1500 gals. 15% NEHCL, w/800 cu. ft. N2/Bbl.

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1-28-77		Pumping w/13 x 100 x 2 1/4" insert.				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-17-77	24	Open	→	22.0	93.6	508	4254
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
— — —	— — —	→	22.0	93.6	508	39.8	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							

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

TEST WITNESSED BY

Sold to Phillips Petroleum Company & Used for lease fuel.

NA

35. LIST OF ATTACHMENTS

Electrical Logs (2)

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

SIGNED

Giannis C. C...

TITLE

Proration Analyst

DATE

2-22-77

*(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 38, 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, 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 36.

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 ZONES

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Bone Spring 77	10,008'	10,138'	130' w/1200' wtr. cushion, 3/4 x 1/4, open 1/2 hr., SI 1 1/2 hrs., open 1 1/2 hrs., SI 3 hrs., open 10:45 am Fair Blow, GTS 20 min., 10 psi. surf. press. 30 min. 20 psi surf. press. SI 1 1/2 hrs., open Fair Blow, 9 min. GTS 5 psi surf. press. Decreased to 1 1/2 psi at end 1 1/2 hrs. SI 3 hrs. Released ptr., reversed out DST, Rec. 1200' WC, 1000' OAGC Orig. mud, 6408' O11 & gas formation wtr. (24 BO & 60 BW), IMM 4394, IF 822-1731, ISIP 3826, 2F 1800-3303, 2nd SI 3826, FMA4326- BHT-142°F. Sampler 1500 cc 1/3 oil, 2/3 wtr.	Yates Bone Spring 3rd Bone Spring Wolfcamp	2693' 7374' 10137' 10602'