

**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.

45F

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

5. LEASE DESIGNATION AND SERIAL NO.

NM-0405444

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Todd Federal "23"

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

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

Sec. 23, T23S, R31E

12. COUNTY OR  
PARISH

Eddy

13. STATE

New Mexico

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

3447.7' Gr.

19. ELEV. CASINGHEAD

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-15,120'

15. DATE SPUNDED

9-3-82

16. DATE T.D. REACHED

11-27-82

17. DATE COMPL. (Ready to prod.)

8-19-85

20. TOTAL DEPTH, MD &amp; TVD

15,120

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

14,330

22. IF MULTIPLE COMPL.,  
HOW MANY\*

-

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

14,165' - 14,172' Atoka

25. WAS DIRECTIONAL  
SURVEY MADE

No

28. TYPE ELECTRIC AND OTHER LOGS RUN

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
20"	94#	644.24'	26"	w/250 sx. Pacsetter Lite	Surface
13 3/8"	54.5#	4423.16'	17 1/2"	w/3450 Class "C"	
9 5/8"	47# & 43.5#	12,665.80'	12 1/4"	w/2800 sx Pacsetter Lite & Class "C"	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7 7/8"	12,347'	14,641'	600 SX		2 3/8"	13,896'	13,896'
5"	14,449'	15,119'	170 SX				

**31. PERFORATION RECORD (Interval, size and number)**

14,165' - 14,172' (16 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
14,165"-14,172"	Acidized w/1500 gals 20% HCL Nefe & 40 RCB's.

**33.\* PRODUCTION**

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
9-4-85		Flowing					Prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
9-16-85	4	.5-2/64"	→	0	33.791	0	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
4935	Packer	→	0	33.791	0	--		

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

Sold

TEST WITNESSED BY

Bill Wadkins &amp; B.J. Cathey

35. LIST OF ATTACHMENTS

None - Logs &amp; DST mailed in when well was drilled 3-5-83.

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

SIGNED

R.D. Henson

TITLE Monahans Dist. Mgr.

DATE 9-20-85

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

CARLSBAD, NEW MEXICO

# 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 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 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.)

\*\*\* Drop DR plug on pkr. @ 14681' w/35' cmt. on plug. Set 7 7/8" CIBP @ 14,350' w/35' cmt. Verbal 9-4-85 from Carlsbad BIM.

37. SUMMARY OF POROUS ZONES:			38. GEOLOGIC MARKERS	
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORREL INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, FINE TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			NAME	MEAS. DEPTH
FORMATION	TOP	BOTTOM		TRUE VERT. DEPTH
	0	650'		
	650'	4350'	Bell Canyon	4,459
	4350'	7000'		
	7000'	11850'	Cherry Canyon	6,115'
	11850'	13500'		
	13500'	14400'	Atoka	13,729
	14400'	15120'		
		15120'		