

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	1
FILE	1-
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-9891

Bur. of mines

1a. TYPE OF WELL <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER	RECEIVED SEP 9 1966 O. C. C. ARTESIA, OFFICE
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESV. <input type="checkbox"/> OTHER	

2. Name of Operator Martin Yates, III ✓
3. Address of Operator 309 Carper Building - Artesia, New Mexico 88210

7. Unit Agreement Name
8. Farm or Lease Name Atoka State
9. Well No. 4
10. Field and Pool, or Wildcat Atoka San Andres

4. Location of Well UNIT LETTER <u>N</u> LOCATED <u>530</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM <u>West</u> LINE OF SEC. <u>16</u> TWP. <u>18S</u> RGE. <u>26E</u> NMPM
--

12. County

15. Date Spudded 7-28-66	16. Date T.D. Reached 8-7-66	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.) 3366 GR	19. Elev. Casinghead
20. Total Depth 1080	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools Rotary	Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made No

26. Type Electric and Other Logs Run Sample log on part of hole	27. Was Well Cored No
--	--------------------------

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
None Run					

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number).	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
--	-------------------

35. List of Attachments Deviations and copy of sample log.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED <u>Richard C. Norman</u> TITLE <u>Geologist</u> DATE <u>9-8-66</u>

Orig 5cc-NMOCC 1C - CPLO - Santa Fe.
1 c File 1 C - MY, III File

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	500	500	Gravel w/some caliche				
500	630	130	Caliche dol. sand and red shale				
630	730	100	Dolomite				
730	1080	350	No samples, drilled without returns.				

RECEIVED

HISTORY

SEP 12 1966

O. C. C.
ARTESIA, OFFICE

✓
MARTIN YATES, III - ATOKA STATE NO. 4
530 FSL & 2310 FWL Sec. 16-18S-26E

- 7-28-66 - Moving in.
- 7-29-66 - Drilling 182' Gravel. 2 min/ft.
- 7-30-66 - Drilling at 648' at the rate of 5 min/ft. Totco at 500' 1/2 deg. Spudded at 10:30 P. M. 7-28-66. 735-750' lost circulation, appears to be a cavernous formation.
- 7-31-66 - SD
- 8-1-66 - Mixing mud.
- 8-2-66 - Attempting to regain circulation. TD 763'. Mixing mud.
- 8-3-66 - TD 800' Have not regained circulation.
- 8-4-66 - TD 808'. Still trying to regain circulation.
- 8-5-66 - TD 816'. Trip to change bit, will drill without returns.
- 8-6-66 - TD 934' Drilling at the rate of 5-10 min/ft. Drilling without returns.
- 8-7-66 - Drilling 970'.
- 8-8-66 - TD 1022'. Waiting on water. Drilling at the rate of 10 min/ft.
- 8-9-66 - TD 1054'. Stuck drill pipe. Drilling without returns.
- 8-10-66 - Drill pipe in hole stuck. Plan to wash over today.
- 8-11-66 - Drill pipe still stuck. Laying down over-wash pipe to put on hydraulic jack to pull on stuck tools.
- 8-12-66 - Coming out of hole with stuck tools.
- 8-13-66 - No report.
- 8-14-66 - No report.
- 8-15-66 - Recovered tools. Waiting on orders.
- 8-16-66 - Reaming hole at 442' to 8-3/4", mixing mud - loosening some mud.
- 8-17-66 - Reamed to TD 716' - mixing mud to determine if circulation can be regained.
- 8-18-66 - TD at 660'. Still have returns. Spudding on down to 716' while washing. The depth reached 716' prior to mudding up. Two bridges have been set in the hole since reaming to TD of 716'. Trying to build up mud cake on wall of hole.
- 8-19-66 - Drilling at 790'. Lost returns at 725'. Will drill to 808' and run 7" casing.
- 8-20-66 - Prep to P&A.
- 8-21-66 - SD
- 8-22-66 - SD on account of weather.
- 8-23-66 - SD on account of weather.