

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form O-105
Revised 10-1-78

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SANTA FE	
FILE	
J.S.G.S.	
LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State X Fee

5. State Oil & Gas Lease No.
30-025-29741

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER

2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESER. ☐ OTHER

7. Unit Agreement Name

8. Form or Lease Name
State "QE" 24

9. Well No.

11. Name of Operator
Apache Corporation

12. Address of Operator
7666 E. 61st Street, Suite #500, Tulsa, OK 74133

13. Location of Well

10. Field and Pool, or Wildcat
Ranger Lake Penn

UNIT LETTER B LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM

THE East LINE OF SEC. 24 TWP. 12S RGE. 34E NEPM

12. County
Lea

15. Date Spudded <u>9/13/86</u>	16. Date T.D. Reached <u>10/21/86</u>	17. Date Compl. (Ready to Prod.) <u>12/1/86 (P&A)</u>	18. Elevations (DF, RKB, RT, GR, etc.) <u>GR-4128'; K3-4139'</u>	19. Elev. Casinghead <u>4128'</u>
20. Total Depth <u>10,550'</u>	21. Plug Back T.D. <u>10,230'</u>	22. If Multiple Compl., How Many <u> </u>	23. Intervals Drilled By <u>Sfc-TD</u>	24. Rotary Tools <u> </u>

24. Producing interval(s), of this completion - Top, Bottom, Name
None - P&A

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Dual Guard Log, Density-Neutron Log, Spectra Log

27. Was well Cased
NO

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5, 61, 72	405'	17-1/2"	Cmt to surf w/C1 C	None
8-5/8"	24, 32	4,200'	11"	Cmt to surf w/Lite & C1 C	None
5-1/2"	17	10,550'	7-7/8"	Top of cmt @ 6,500'	None

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-7/8"	9.942'
						9.942'

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
10,036'-10,046', 0.38", 41 holes		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,064'-10,072', 0.38", 33 holes		10036-46' & 10064-72'	4,000 gals - 15% NEFE acid
10,328'-10,354', 0.38", 105 holes		10,328-54'	6,000 gals - 15% NEFE acid

33. PRODUCTION
Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Dry Hole

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

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 Jim McQuinn TITLE Regional Drilling Supervisor DATE 12/4/86

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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. Anny _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>Approx. 2,040'</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. ? 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 <u>4,150'</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtrte _____
T. Glorieta <u>5,640'</u>	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Minebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7,051'</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>7,826'</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9,238'</u>	T. _____	T. Chinle _____	T. _____
T. Penn. <u>10,002'</u>	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) <u>10,124'</u>	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____	feet _____
No. 2, from _____ to _____	feet _____
No. 3, from _____ to _____	feet _____
No. 4, from _____ to _____	feet _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
4150	5640	1490	San Andres				
7826	9238	1412	Abo				
9238	10002	764	Wolfcamp				
10002	10124	122	Penn - Bough A&B				
10124	10305	181	Bough C				
10305	10354	49	Ranger Lake - Penn				