

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form O-105
Revised 10-1-73

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED
DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATOR

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
030-025-29791

1. TYPE OF WELL
OIL ☐ GAS ☐ DRY ☒ OTHER ☐
2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESERV. ☐ OTHER ☐

7. Unit Agreement Name
8. Form or Lease Name
State QE "13"

3. Name of Operator
Apache Corporation
4. Address of Operator
7666 E. 61st Street, Suite #500. Tulsa, OK 74133
6. Location of Well

9. Well No.
2
10. Field and Pool, or Willacut
Ranger Lake Penn

UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM
THE East LINE OF SEC. 13 TWP. 12S REG. 34E NE 1/4

12. County
Lea

15. Date Spudded 11/29/86 16. Date T.D. Reached 01/05/87 17. Date Compl. (Ready to Prod.) 1/07/87 18. Elevations (DF, RKB, RT, GR, etc.) RKB-4,144'; GR-4,132' 19. Elev. Casinghead P&A

20. Total Depth 10,555' 21. Plug Back T.D.
22. If Multiple Compl., How Many
23. Intervals Drilled By Sfc-10,555' Rotary Tools Cable Tools

24. Producing interval(s), at this completion - Top, Bottom, Name
Dry Hole
25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Dual Guard Log, Density-Neutron Porosity Log
27. Was Well Cased
No

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	430	17-1/2"	Cmt to surf w/420 sx C1 C	None
8-5/8"	32	4,197	11"	Cmt to surf w/1550 sx	None
				HLC & 750 sx C1 C	

LINER RECORD				TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None						None	

31. Perforation Record (Interval, size and number)
None
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KING MATERIAL USED

33. PRODUCTION
Date First Production
None-Dry Hole
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
Open hole logs, Deviation Survey Report, 3 DST Reports.
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 Tom McManis TITLE Regional Drilling Supervisor DATE 02/09/87

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-dilled 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 1135.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anny _____
T. Salt 2,150'
T. Salt _____
T. Yates _____
T. 7 Rivers _____
T. Queen _____
T. Grayburg _____
T. San Andres 4,100'
T. Glorieta 5,641'
T. Paddock _____
T. Blinberry _____
T. Tubb 7,056
T. Drinkard _____
T. Abo 7,798'
T. Wolfcamp 9,253'
T. Penn. 10,312'
T. Cisco (Bough C) _____

T. Canyon _____
T. Strawn _____
T. Atoka _____
T. Miss _____
T. Devonian _____
T. Silurian _____
T. Montoya _____
T. Simpson _____
T. McKee _____
T. Ellenburger _____
T. Gz. Wash _____
T. Granite _____
T. Delaware Sand _____
T. Bone Springs _____
T. _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo _____
T. Kirtland-Fruitland _____
T. Pictured Cliffs _____
T. Cliff House _____
T. Menefee _____
T. Point Lookout _____
T. Mancos _____
T. Gallup _____
T. Base Greenhorn _____
T. Dakota _____
T. Morrison _____
T. Todilto _____
T. Entrada _____
T. Wingate _____
T. Chinle _____
T. Permian _____
T. Penn. "A" _____
T. Penn. "B" _____
T. Penn. "C" _____
T. Penn. "D" _____
T. Leadville _____
T. Madison _____
T. Elbert _____
T. McCracken _____
T. Ignacio Qtzite _____
T. Granite _____

OIL OR GAS SANDS OR ZONES

No. 1, from None to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, 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
4100	5641	1541	SAN ANDRES				
7798	9253	1455	ABO				
9253	10312	1059	WOLFCAMP				
10312	10555	243	PENN				