

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

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.
E-906

7. Unit Agreement Name

8. Farm or Lease Name
Ranger

9. Well No.
16

10. Field and Pool, or Wildcat
Ranger Lake Penn

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

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

2. Name of Operator
Phillips Petroleum Company

3. Address of Operator
4001 Penbrook Street, Odessa, Texas 79762

4. Location of Well

UNIT LETTER K LOCATED 1980 FEET FROM THE south LINE AND 1980 FEET FROM

THE West LINE OF SEC. 26 TWP. 12-S RGE. 34-E NMPM

15. Date Spudded 12-03-67 16. Date T.D. Reached 1-26-68 17. Date Compl. (Ready to Prod.) 5-40-84 reperf'd 18. Elevations (DF, RKB, RT, GR, etc.) 4146' GR, 4160' RKB 19. Elev. Casinghead 4146'

20. Total Depth 12,863' 21. Plug Back T.D. 11,712 22. If Multiple Compl., How Many Single 23. Intervals Drilled By Rotary Tools 0-12,863' Cable Tools ---

24. Producing Interval(s), of this completion - Top, Bottom, Name
10,245' - 10,280' Penn

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run
Gamma Ray Neutron

27. Was Well Cored
yes 12,830'-12,863'

CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE			
13 3/8"	54.5#	370'	17 1/2"	480 sx Class "H"		---
8 5/8"	32#	4200'	11"	400 sx Class H . TOC @ 3600' /T.S.		
5 1/2"	17#, 20#	12816'	7 7/8"	600 sx Trinity LW + 150 sx Trinity Infer		

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8"	10,100'

31. Perforation Record (Interval, size and number)
10,245'-10,250'; 10,254'-10,261', 10,276'-10,280'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10243'-10280'	3500 gals 20% NEEF HCL
9958'-9996' perfs	Sqzd w/50 sx H, .4% Halad 9
2397'-2365' csq leak	sqzd w/350 sx C, 2% CaCl
12816'-12863 O.H.	Sqzd w/50 sx H, .75% HRS, EZ

33. PRODUCTION Cmt ret @ 11743'. TOC @ 11,712'

33. Date First Production 3-30-86 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping 70 h.p. Reda submersible pump Well Status (Prod. or Shut-in) producing

33. Date of Test 4-09-86 Hours Tested 24 Choke Size --- Prod'n. For Test Period 46 Oil - Bbl. 35 Gas - MCF 330 Water - Bbl. 763 Gas - Oil Ratio

33. Flow Tubing Press. --- Casing Pressure --- Calculated 24-Hour Rate --- Oil - Bbl. --- Gas - MCF --- Water - Bbl. --- Oil Gravity - API (Corr.) 49.8

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

35. List of Attachments
Logs previously furnished by logging company

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 W. J. Mueller TITLE Engineering Supervisor, Reservoir DATE July 22, 1986

Test Witnessed By
D. C. Haynes

INSTRUCTIONS

This form is to be filled 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 filled in quadruplicate 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	1978	T. Ojo Alamo	T. Penn. "B"
T. Salt		T. Kirtland-Fruitland	T. Penn. "C"
T. Salt		T. Pictured Cliffs	T. Penn. "D"
T. Yates	2780	T. Cliff House	T. Leadville
T. 7 Rivers		T. Menefee	T. Madison
T. Queen	3535	T. Point Lookout	T. Elbert
T. Grayburg	4153	T. Mancos	T. McCracken
T. San Andres	5590	T. Gallup	T. Ignacio Qtzite
T. Glorieta		T. Base Greenhorn	T. Granite
T. Paddock		T. Dakota	
T. Blinbry	7000	T. Morrison	
T. Tubb		T. Todillo	
T. Drinkard	7750	T. Entrada	
T. Abo	9178	T. Wingate	
T. Wolfcamp		T. Chinle	
T. Penn.		T. Permian	
T. Cisco (Bough C)	9902	T. Penn. "A"	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	200	200	Sand
370	370	170	Sand, Redbeds
1735	1735	1365	Redbeds
1735	1998	263	Redbeds, Anhydrite
1998	2277	279	Anhydrite, Salt, Gyp
2277	2415	138	Anhydrite, Salt
2415	2806	391	Anhydrite, Salt, Gyp
2806	4066	1260	Anhydrite, Gyp
4066	4200	134	Anhydrite, Dolomite
4200	5457	1257	Dolomite
5457	6984	1527	Dolomite, Lime
6984	7715	731	Dolomite
7715	7741	26	Dolomite, Shale
7741	8100	359	Shale
8100	8349	249	Dolomite, Shale
8349	9209	860	Dolomite
9209	9259	50	Dolomite, Lime
9259	9336	77	Lime
9336	9363	27	Dolomite, Lime
9363	9943	580	Lime
12863	12863	14	Dolomite
12863	12849	17	Dolomite, Chert
12849	12832	17	Dolomite, Chert
12832	12830	2	Dolomite, Chert
12830	12825	5	Dolomite, Shale
12825	12773	52	Lime
12773	12588	185	Lime
12588	12217	371	Lime, Chert
12217	12038	179	Lime, Shale
12038	11956	82	Lime
11956	11777	179	Lime, Shale
11777	11731	46	Lime, Shale, Sand
11731	11612	119	Lime, Shale
11612	11366	246	Lime, Chert
11366	1120	86	Lime
1120	11034	466	Lime, Shale
11034	10568	137	Lime
10568	10431	29	Lime, Shale
10431	10402	83	Dolomite
10402	10319	100	Dolomite, Lime
10319	10219	276	Lime, Shale
10219	9943		