



15-151-21708-0000

SIDE TWO

Operator Name Timberline Oil & Gas Lease Name Cooper Well# 4 SEC 28 TWP. 26S RGE 12  East  West

County Pratt

WELL LOG

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

0-243 Clay, sand, shale  
 243-725 Red beds  
 725-748 Anhydrite  
 748-1847 Red beds, shale  
 1847-4240 Shale & lime

Name	Top	Bottom
Viola	4143	

CONFIDENTIAL

RELEASED

FEB 16 1987

FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set - conductor, surface, intermediate, production, etc.							
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface	12 1/4"	8 5/8"	23#	348' KB	60/40 Poz	250 sx	2% Gel, 3% cc
Production	7 7/8"	5 1/2"	14#	4239' KB	60/40 Poz	100 sx	2% Gel, -----
----- 10% salt, 5# Gilsonite per sk., 4% FDP-344, followed w/50 sx Common, ----- ----- 5# CAL-SEAL per sk., 1% FDP-344, and 2% Gel. -----							
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2	4145-4181			20. bbl. 5% HCL and 12. bbl. of 1 1/2% HCL			4145-81
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method					
10/28/85		<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
110	Bbls	100 MCF	0 Bbls	909/1	38°		

Disposition of gas:  vented  sold  used on lease

METHOD OF COMPLETION:  open hole  perforation  other (specify) \_\_\_\_\_

PRODUCTION INTERVAL: 4145-81

Dually Completed.  Commingled