

15-151-2799-0000

SIDE TWO

Operator **Timberline Oil & Gas Corporation** Well # **4** SEC. **21** TWP. **26** RGE. **12** 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

Name	Top	Bottom
Heebner	3505 KB	
Mississippi	4122 KB	
Viola	4220 KB	

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CASING RECORD <input 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 Production	12 1/4 7 7/8	8 5/8 5 1/2"	23# 14#	307KB 4277KB	60/40 Poz 60/40 Poz	225 sx. 100	2% gel. 3% CC. 5% Gilsonite. 10 BB1/ Mud FTush
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	4126-4146			Acid w/ 7.50 gal 15% HCl Frac w/ 45,000 # sand 1350 BB1 Load Cross link gelled KCl			4126-46
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
8/15/86							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	50 Bbls	50 MCF	25 Bbls	1000 CFPB	40°		

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify)

PRODUCTION INTERVAL
 4126-46

Dually Completed.
 Commingled



555 N. Woodlawn
Suite 114
Wichita, Kansas 67208
Phone 316 - 685-7677

WELL LOG

OPERATOR: TIMBERLINE OIL & GAS CORPORATION
105 E. 8th
Pratt, Kansas 67124.

LEASE: Knop "A" # 4

LOCATION: NE NW SW Section 21-26S-12W, Pratt, County, Kansas

COMMENCED: 7-22-86

COMPLETED: 7-28-86

Rotary Total Depth: 4280 KB

FORMATION DESCRIPTION	TOP	BOTTOM
Sand and Clay	0	220
Red Beds	220	739
Anhydrite	739	754
Red Beds and Shale	754	1670
Shale and Lime	1670	3890
Lime and shale	3890	4005
Shale and Lime	4005	4270
Lime and Shale	4270	4280 RTD

RELEASED
STATE CORPORATION COMMISSION
CONS. DIV. WICHITA, KS
NOV 17 1987

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OCT 21 1985
16-21-86