



SIDE TWO

ACO-1 WELL HISTORY

OPERATOR

Frontier Oil Company LEASE Mosher

SEC. 33 TWP. 8S RGE. 18W

Rooks County, Ks

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Cement	0	15	Log Tops:	
Washdown	15	3450	Anhydrite	1374(+ 630
Lime	3450	3495	Topeka	2994(- 990
RTD		3495	Heebner	3133(-1129
			Toronto	3154(-1150
			Lansing-KC	3172(-1168
			BKC	3392(-1388
			RTD	3450(-1446
			DDTD	3495(-1491
			4 1/2"	3485(-1481

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) ~~XXXXXX~~

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
OLD INFO: Surface	12 1/4"	8 5/8"	7	260	not known	135	not known
Production	7 7/8"	4 1/2"	10 1/2#	3485	Common	200 sx	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	DPs	3330-3338
			4	DPs	3348-3356
			4	DPs	3371-3377

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3412	n/a

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 Gal 15% Regular	3330-3338
1000 Gal 15% Regular	3348-3356
500 Gal 15% Regular	3371-3377

Date of first production 6-26-81	Producing method (flowing, pumping, gas lift, etc.) pumping	Gravity
RATE OF PRODUCTION PER 24 HOURS	Oil 20 bbls.	Gas -0- MCF
	Water % -0- bbls.	Gas-oil ratio -0- CFPB
Disposition of gas (vented, used on lease or sold) n/a		Perforations 3330-38/3348-56/3371-77