

SIDE TWO

ACO-I WELL HISTORY

OPERATOR Frontier Oil Company LEASE Thompson "A" SEC. 32 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
Rock & Shale	0	157	Anhydrite	1435(+ 595
Shale	157	780	Brownville Lm	2688(- 658
Shale w/Sand Streaks	780	935	Tarkio	2780(- 750
Sand	935	1140	Howard	2922(- 892
Shale	1140	1435	Topeka	2954(- 924
Anhydrite	1435	1473	Heebner	3159(-1129
Shale	1473	1590	Toronto	3184(-1154
Shale & Red Bed	1590	1846	Lansing-KC	3202(-1172
Shale	1846	2630	BKC	3421(-1391
Lime & Shale	2630	2800	Arbuckle	3452(-1422
Shale & Lime	2800	2960	RTD	3500(-1470
Lime	2960	3500	4 1/2"	3496(-1466
RTD		3500		
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DST #1 Op 60/SI 30 Op 60/SI 30 Rec 496' MSW IF 30/102 FF 132/254 ISIP 959 FSIP 961	3086	3150	(Topeka)	
DST #2 Op 60/SI 30 Op 60/SI 30 Rec 60' OGCM+60' HO&GCM+480' GMCO IF 41/183 FF 203/288 ISIP 815 FSIP 795	3156	3200	(Toronto)	
DST #3 Op 60/SI 30 Op 60/SI 30 Rec 5'MWSO+60' WM+120'MSW+120'SW IF41/81 FF 102/163 ISIP 910 FSIP 910	3194	3220	(Lansing-KC)	
DST #4 MIS-RUN	3218	3254		
DST #5 (re-run) Op 60/SI 30 Op 60/SI 30 Rec 125' OSMSW IF 63/83 FF 97/99 ISIP 801/FSIP 807	3214	3254		
DST #6 Op 60/SI 30 Op 60/SI 30 Rec 5'CO+440'SW IF 41/144 FF 164/246 ISIP 715 FSIP 685	3252	3272		
DST #7 Op 60/SI 30 Op 60/SI 30 Rec 10'CO+420'MSW IF 21/103 FF 144/206 ISIP 635/FSIP 615 (DST continued, Pg 2/Side 2 attached)	3266	3292		

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
Surface	12 1/4"	8 5/8"	24#	281	Common	175	2% Gel 3% CC
Production	7 7/8"	4 1/2"	10 1/2#	3496	Common	250	10% Salt
DV Tool	7 7/8"	4 1/2"	"	1465	Common	550	5% Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	DPs	3298-3302
			4	DPs	3356-3360
			4	DPs	3372-3380
			4	DPs	3396-3400

eford

Size	Setting depth	Packer set at
2 3/8"	3420	n/a

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 Gal 15% Regular	3298-3302
500 Gal 15% Regular	3356-60 & 3372-80
500 Gal 15% Regular	3396-3400

Date of first production	Producing method (flowing, pumping, gas lift, etc.)	Gravity
10-26-81	pumping	Gravity

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	15 bbls.	none	none	none

Disposition of gas (vented, used on lease or sold) n/a
Perforations 3298-3302/3356-60/3372-80/3396-3400

15-163-21414-00-00

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ACO-1 WELL HISTORY

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OR OTHER DESCRIPTIVE INFORMATION.

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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
(continuation of DST)				
DST #8 Op 60/SI 30 Op 60/SI 30 Rec 820'CGO+60'MCO+60'HOCM IF 52/233 FF 243/317 ISIP 728 FSIP 708	3295	3320		
DST #9 Op 60/SI 30 Op 60/SI 30 Rec 630'MSW+40'M IF 50/204 FF 217/337 ISIP 879/FSIP 857	3312	3344		
DST #10 Op 60 SI 30 Rec 5'MWOS IF 41/41 ISIP 61	3344	3366		
DST #11 Op 60/SI 30 Op 60/SI 30 Rec 90'HOCM IF 30/40 FF 50/58 ISIP 205 FSIP 467	3344	3384		
DST #12 Op 60/SI 30 Op 30/SI 30 Rec 65'OSM IF 41/61 FF 61/81 ISIP 1010 FSIP 990	3376	3430		
DST #13 (MIS-RUN)	3407	3462	(Arbuckle)	
DST #14 Op 60/SI 30 Rec 10'M IF 71/71 ISIP 122	3407	3462		
DST #15 Op 60/SI 30 Op 60/SI 30 Rec 670'M (partial pkr failure) SIP 910	3462	3500		

RECEIVED
STATE CORPORATION COMMISSION
AUG 02 1982
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CONSERVATION DIVISION
Wichita, Kansas