

SIDE TWO

ACO-1 WELL HISTORY

OPERATOR

Ladd Petroleum LEASE Reinhardt

SEC. 19 TWP. 14RGE. 14

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
Sand, post rock	0	70	TARKIO	2491
Blue clay	70	385	TOPEKA	2751 (-872)
Shale, sand	385	536	HEEBNER	2977 (-1096)
Redbed	536	880	LANSING	3036 (-1392)
Ahydrite	880	917	GORHAM SD	3272 (-1422)
Clay, gumbo, shale	917	1125	ARBUCKLE	3285 (-1453)
Shale	1125	1980	REAGAN	3302 (-1470)
Shale, lime	1980	2390		
Lime, shale	2390	2800		
Shale, lime	2800	3015		
Lime, sand	3015	3074		
Shale, lime, sand	3074	3085		
Lime	3085	3120		
Lime, shale	3125	3215		
Shale, lime	3215	3290		
Arbuckle	3290	3298		
Quartz sand	3298	3350 RTD		
DST #1 3007-3074', 30-30-30-30				
FP 41-41, 82-82				
SIP 62-93				
HP 1665-1655				
BHT 100°F.				
Rec. 10' mud w/isolated oil specks.				
DST #2 3088-3085', 30-45-45-60				
FP 51-72, 93-134				
SIP 1112-1092				
HP 1676-1665				
BHT 105°F.				
Rec. 60' VSO Specked Mud, 60' wtry mud, 120' muddy wtr.				

Report of all strings set — surface, intermediate, production, etc. **CASING RECORD** New or (Used)

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	12½	8 5/8	24	529	60/40 Poz	300	2% gel, 3% CaCl
Production	7 7/8	5½	15.5	3349	50/50 Poz	150	3/4% FRA

LINER RECORD**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			4 JSPF	Hollow Carrier	3303-04
Size 2½	Setting depth 3320	Packer set at -			

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State Geological Survey
WICHITA BRANCH

ACO-1 WELL HISTORY

PAGE 2 (Side One)
OPERATOR LADD PETROLEUM LEASE NAME REINHARDT
WELL NO. A-4

SEC 19 TWP 14 RGE 14 (W)

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interval tested, cushion used, time tool open, flowing &
Shut-in pressures, and recoveries.

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Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #3 3253-3290' (Gorham Sd & Arb.) 30-30-30-30 FP 41-41, 51-51 SIP 134-114 HP 1788-1768 BHT 103°F Recov. 10' OCM (0%oil)				
DST #4 3255-3298' (Arb) 30-30-30-30 FP 41-41, 51-51 SIP 134-93 HP 1799-1768 BHT 103°F Recov. 10' OCM (20% oil)				
DST #5 Straddle 3290-3308' (Reagan) 30-30-30-30 FP 571-1043, 1074-1094 SIP 1084-1094 HP 1840-1804 BHT 107° Recov. 690' GCO (28° API), 690' GWCO (75% oil, 25% wtr), 780' GSW				
			<u>LOGS</u>	
			RA Guard	3349-2400
			Sonic/TTI	3349-529
			GR-CCL	3334-2800