information.

CONSERVATION DIVISION Wichita, Kansas

ACO-1 Well History XXXX Side TWO OPERATOR Liberty Operations & LEASE NAME Chrisler SEC 22 TWP11s RGE 16 (W) WELL NO #4 FILL IN WELL INFORMATION AS REQUIRED; Show Geological markers, Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth logs run, or other interval tested, cushion used, time tool open, flowing and Descriptive information. shut-in pressures, and recoveries. Top Name Depth Formation description, contents, etc. TOPS TOPEKA 2702 (-917) Check if no Drill Stem Tests Run. 2944 (-1159) HEEBNER Check if samples sent Geological 2968 (-1183) TORONTO Survey. 2994 (-1209) 3238 (-1453) LANSING/KC BASE/KC 0' 223' 3380 (-1595) sand and shale ARBUCKLE shale and sand 223' 243' 243**'** 250' sand and shale 250' 933' sand and shale 960' 933' anhydrite 969' 960' anhydrite 1451' shales 969' 1451' 1732' shales 1947' 1732' shales 1947' 2150' shales 2337' 2150' shales and lime 2337' 2544' shale and lime 2544 ' 2692**'** shale and lime 2692' 2810' shale and lime 2869' shale and lime 2810' shale and lime 2869' 2930' shale and lime 2930' 3051**'** 3150' shale and lime 3051**'** 3150' 3246' shale and lime 3360' 3246' shale and lime 3401' 3360**'** shale and lime 3401' R.T.D. If additional space is needed use Page 2 Report of all strings set - surface, intermediate, production, etc. CASING RECORD (New) or XXXXXX Type and percent additives Sixe hole drilled Sixe casing set Weight ibs/ft. Setting depth Purpose of string Sacks Type cement 3%cc 2%gel Surface Casing 12 1/4" 8 5/8" 20# 235' 60-40pos 165 150 3391' A.S.C. 7 7/8" 4 1/2" Production LINER RECORD PERFORATION RECORD Size & type Depth interval Too, ft. Bottom, ft. Sacks coment Shots per ft. 5 per 1' 3342-3343 5 per 1' 3350-3351 TUBING RECORD 4 per 1' <u>3248-3251</u> Setting depth Packer set at 4 per 1' 3177-3180 3023 & 3041 2 3/8" 3354.45 per ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD Amount and kind of material used Depth interval treated 3342-3343 3<u>350-3351</u> 500 gallons 15% I.N.S. 500 gallons 15% mud 3248-3251 500 gallons 15% mud <u>3177–3180 </u> 1000 gallons 15% I.N.S., retreated with 2500 gallons 15% 3023 & 3041 mulsion Producing method (flowing, pumping, gas lift, etc.) Date of first production Gravity

Pumping

45 BOPD bbls

Gas-oil ratio

CFPB

% 15 BWRD.

Perforations

MCF

1-5-84

Estimated

Production-I.P. 45
isposition of ges (vented, used on lease or sold)