

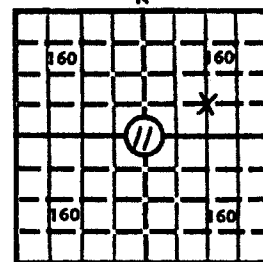
KANSAS DRILLERS LOG Amended (See Opposite Side - P.B.T.D.)

WICHITA BRANCH

S. 11 T. 35S R. 42 ^W
 Loc. 1980' FNL & 1320' FEL
NE/4
 County Morton

API No. 15 — 129 — 20428
 County Number

640 Acres
 N



Locate well correctly

Elev.: Gr. 3563
 DF _____ KB _____

Operator
Cities Service Company

Address
3545 N.W. 58th Street Oklahoma City, Oklahoma 73112

Well No. 3 Lease Name Horton B

Footage Location
1980 feet from (N) X35 line 1320 feet from (E) 0995 line

Principal Contractor Wakefield, Inc. Geologist _____

Spud Date 4-23-80 Total Depth 3110 P.B.T.D. 3092

Date Completed 6-13-80 Oil Purchaser N/A

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

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#	1447 KB	Class H	775	650 sx 50/50 pozmix w/2% gel, 2% CaCl2
							1/2# Flocele & 125s w/2% CaCl2 & 1/4# Flocele by Haliburton
Production	7-7/8"	4-1/2"	9.5#	3124 KB	Class H	200	200 sx 50/50 pos, 4% gel, 18% salt, 1/4# flocele, 8/10 of 1% CFR-2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Packer set at
1-1/2"	3091 KB	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized Topeka 2/5000 gals. 15% Dolstrol containing 10 gals/1000	2980 - 3014'
LT-21 & 1 gal/1000 inhibitor & 60 ball sealers	

INITIAL PRODUCTION

Date of first production 6-13-80 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS CAOF 530 MCF Oil --- bbls. Water 1 bbls. Gas-oil ratio --- CFPB

Disposition of gas (vented, used on lease or sold) To be sold Producing interval(s) 2980 - 3014

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Cities Service Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas
Well No. #3	Lease Name Horton "B"	
S 11 T 32S R 42 E W		

WELL LOG

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
Soils - Shells & Sand	0'	900'	Ran Schlumberger Dual Induction SFL Compensated Neutron, Formation Density W/GR & Caliper. Ran GR & CB log from 3088 to 1950'	
Anhydrite & Red Bed	900'	985'		
Sand	985'	1190'		
Red Bed & Shells	1190'	1280'		
Red Bed	1280'	1444'		
Anhydrite	1444'	1448'		
Anhydrite	1448'	1850'		
Red Bed & Shale	1850'	2248'		
Shale & Shells	2248'	2520'		
Shale & Gyp	2520'	2670'		
Shale & Shells	2670'	2798'		
Lime	2798'	3110'		
R.T.D.		3110'		
⊗ P.B.T.D.		3092'		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received		
	W. A. Givens	Signature
	Engineering Manager	Title
	July 10, 1980	Date