

33-34-41W

KANSAS DRILLERS LOG

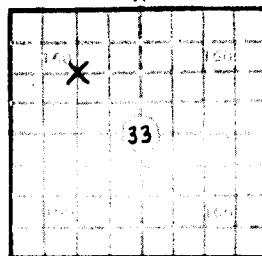
BRANCH

S. 33 T. 34S R. 41 E W

Loc 1320' FWL, 1320' FNL of NW/4

County Morton

640 Acres N



Elev.: Gr. 3441

DF \_\_\_\_\_ KB \_\_\_\_\_

API No. 15 — 129 — 20442  
County Number

AUG 8 0 REC'D

Operator  
Cities Service Company

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

Well No. 2 Lease Name Renfrew "B"

Footage Location  
1320 feet from (N) line 1320 feet from (E) (W) line NW/4

Principal Contractor Earl F. Wakefield Geologist S. E. Kinney

Spud Date May 5, 1980 Total Depth 3350' P.B.T.D. 3308'

Date Completed 8-5-80 Oil Purchaser None

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#	1434' KB	Class H	650	50/50 Poz, 2% CaC 1/2# D-29
					Class H	125	3% AcC1 & 1/4# D-29
Production	7-7/8"	4-1/2"	9.5#	3349' KB	Class H	200	50/50 Poz, 4% gel 1.8% Salt, 1/4# flocc 8/10 of 1% CFR-2

LINER RECORD

PERFORATION 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
2-3/8"	3237 KB	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized Topeka Perforations 3108' to 3231' w/1500 gals MSR-100	3108' - 3231'
Acid w/40 Ball Sealers Spaced Thru Acid	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil 0 bbls. Gas CAOF 1357 MCF Water 0 bbls. Gas-oil ratio --- CFPB
Disposition of gas (vented, used on lease or sold) To Be Sold	Producing interval(s) 3108' - 3231'

Copy of this Drillers Log shall be trans- are available from the Conservation 16-522-2206. If confidential custody Survey of Kansas, Lawrence, Kansas

C-10-1972

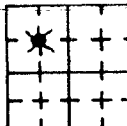
CITIES SERVICE  
3545 NW 58TH  
OKLAHOMA CITY, OK 73112  
CONTR EARL WAKEFIELD, INC CTY MORTON

#2 RENFREW "B"

33-34-41W  
C NW/4

GEOL S. E. KINNEY FIELD GREENWOOD

E 3448 KB CM 5/5/80 CARD ISSUED 10/2/80 IP CAOF 1357 MCFGPD,  
3341 GL 15-129-20,442 NW  
TOP 3108-3231 OA



LOG	TOPS	DEPTH	DATUM
WLN		2220	+1228
ADM		2852	+ 596
TOP		3068	+ 380
LTD		3346	+ 102
RTD		3350	+ 98

8-5/8" 1434/775sx, 4 1/2" 3349/200sx  
NO DST'S  
MCT - CO, PF (TOP) 12/3211-15, 15/  
3226-31, AC 1000 & 40 BS, SWB DWN  
& FLO 104 MCFGPD, PF (TOP) 9/3108-  
11, 12/3134-38, 9/3155-58, SET RBP  
@ 3100, AC 1500, SWB PT LD, PULL BP,  
FLO 10 BLW & 556 MCFGPD/10HRS, SI,

DESIGNATE TYPE OF COMPLETION  
DRY HOLE, SWDW, ETC.:

Operator  
Cities Service Company

Well No.  
2

Lease Name  
Renfrew "B"

Gas

S 33 T34S R 41 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
Soil, Red Bed & Gyp	0'	480'	Ran CB and CC Log from 3308' PBSD to 2050'. Schlumberger ran Dual Ind. SFL, CNL-FDC w/GR & Cal.	
Soil & Red Bed	480'	880'		
Anhydrite	880'	979'		
Sand & Red Bed	979'	1435'		
Anhydrite	1435'	1438'		
Red Bed	1438'	1750'		
Shale & Shells	1750'	2075'		
Shale	2075'	2295'		
Shale & Shells	2295'	2440'		
Lime & Shale	2440'	2585'		
Shale & Lime	2585'	2900'		
Lime	2900'	3350'		
R.T.D.		3350'		
P.B.T.D.		3308'		

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

Date Received

*W.A. Givens*  
 W. A. Givens Signature  
 Engineering Manager Title  
 August 8, 1980 Date