

KANSAS

33-34-41W

WELL COMPLETION REPORT AND
DRILLER'S LOG

State Geological Survey

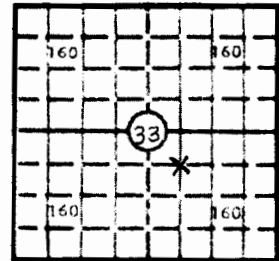
API No. 15 ————— County ————— Number WICHITA BRANCH

S. 33 T. 34 R. 41 ^{XX}W

Loc. C NW SE

County Morton

640 Acres
N



Locate well correctly
Elev.: Gr. 3476'

DF 3486' KB

Operator
Cities Service Company

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

Well No. 1 Lease Name Renfrew B

Footage Location
1980 feet from ~~XXX~~ (S) line 1980 feet from (E) ~~XXX~~ line

Principal Contractor Barbour Drilling Company Geologist

Spud Date 11-13-60 Date Completed 12-5-60 Total Depth 5320' P.B.T.D. 4950'

Directional Deviation Oil and/or Gas Purchaser

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#	1501'	Pozmix	700	300# Flocele 4% Gel
Production	7-7/8"	5-1/2"	14#	5118'	Pozmix	500	125# Flocele 2% CaCl; 4% Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Welex	3934 - 4942'
			4	Welex	3200 - 3216'
			4	Welex	3190 - 3196'
			4	Welex	3183 - 3188'

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
4000 Gals Acid	3183 - 3216'

INITIAL PRODUCTION

Date of first production 1-20-61 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	240 bbls.	8500 MCF	-0- bbls.	CFPB

Disposition of gas (vented, used on lease or sold) To be sold. Producing interval (s) 3183 - 3216 (Topeka)
4934 - 4942 (Morrow)

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 Commission, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Cities Service Company

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWD, ETC.:

Well No.

1

Lease Name

Renfrew B

Gas

S 33 T 34 R 40 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
Surface	0'	1070'	Shale	4840 - 4946'
Shells & Anhydrite	1070'	1310'	Lime & Sand	4946 - 4995'
Anhydrite & Shale	1310'	1482'	Shale & Lime	4995 - 5030'
Anhydrite	1482'	1520'	Lime & Sand	5030 - 5060'
Shale & Shells	1520'	1937'	{Shale {Lime, Sand,	5060 - 5110'
Shale	1937'	2553'	Lime & Shale	5110 - 5178'
Lime & Shale	2553'	2957'	Shale & Lime	5178 - 5236'
Lime	2957'	3098'	Shale & Sand	5236 - 5320'
Lime & Shale	3098'	3193'	Total Depth	5320'
Shale & Lime	3193'	3303'	PBTD	4950'
Shale & Lime	3303'	3380'		
Lime & Shale	3380'	3466'		
Lime	3466'	3746'		
Sdy Lime & Shale	3746'	3780'		
Shale & Lime	3780'	3883'		
Lime	3883'	4427'		
Lime & Shale	4427'	4510'		
Lime	4510'	4665'		
Lime & Shale	4665'	4840'		

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

Date Received

Delbert G. Oliver
Signature

Delbert G. Oliver

Engineering Manager

Title

August 11, 1981

Date

23-34-4101

33-34-41W

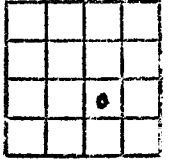
WELL LOG BUREAU--KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- CITIES SERVICE OIL
Farm- Renfrew "B" No. 1

SEC. 33 T. 34 R.41W
C NW SE

Total Depth. 5320'
Comm. 11-15-60 Comp. 12-5-60
Shot or Treated.
Contractor.
Issued. 4-29-61

County Morton
KANSAS



Elevation. 3488' RB

Production. 240 BOPD &
8,500,000 CFG

Figures Indicate Bottom of Formations.

CASING:
8 5/8" 1501' cem w/500 sx.
5 1/2" 5118' cem.

surface	1070
shells, Anhydrite	1310
Anhydrite, shale	1482
Anhydrite	1520
shale, shells	1937
shale	2553
lime & shale	2957
lime	3098
lime & shale	3193
shale & lime	3303
shale & lime	3380
lime & shale	3466
lime	3746
sdv lime, shale	3780
shale, lime	3883
lime	4427
lime, shale	4510
lime	4665
lime, shale	4840
shale	4946
lime, sand	4995
shale, lime	5030
lime, sand	5060
lime, sand, shale	5110
lime, shale	5178
shale, lime	5236
shale, sand	5320
Total Depth	

TOPS: SCOUT	
Topeka	3151
Heebner	3540
Toronto	3552
Lansing	3696
Marmaton	3968
Morrow	4798
Morrow Sand	4930
2nd Morrow Sand	5021
3rd Morrow Sand	5251
Chester	5282