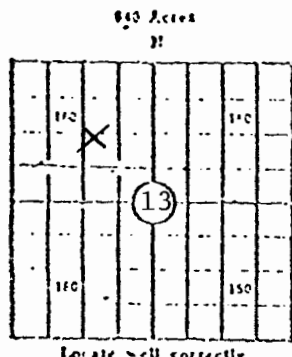


WELL RECORD

(Mail to Kansas Geological Survey, 4150 Monroe Street, Wichita, Kansas 6720)



Lease Name: Stuart A Well No. 2
 Well Located: 1325'FNL, 1414'FWL
S1C 13 TWP 34 RGE 40W
 Operator: Cities Service Company
 Address: 3545 N. W. 58th Street, Oklahoma City, OK 73112
 Elevation: Ground 3340 D.F. 3348 K.B. 3350
 Type Well: (Oil, gas, dry hole) Gas

Drilling Commenced: 12-11 1977 Drilling Completed: 12-15 1977
 Well Completed: 4-18 1978 Total Depth 3035
 Initial Production: CAOF: 888 MCFGPD

Casing Record

Size: 8-5/8 Set at 545 Size: Set at
 Size: 4-1/2 Set at 3034 Size: Set at

Liner Record

Size: Set from To

Cementing

Casing Size	Sacks	Type Cement and Additives
<u>8-5/8</u>	<u>150 sx Howco Lite w/2% CaCl & 1/4# Flocele</u>	
	<u>175 sx Class H w/2% CaCl & 1/4# Flocele.</u>	
<u>4 1/2</u>	<u>125 sx Howco Lite w/1/4# Flocele & 0.2% CFR-2.</u>	
	<u>150 sx 50/50 Pozmix w/10% salt, 1/4# Flocele & 0.8% CFR-2.</u>	

Perforations

Formation	Perforated Interval and Number Shots
<u>Council Grove</u>	<u>2850-2856 w/12 shots</u>
<u>Council Grove</u>	<u>2870-2883 w/26 shots</u>
<u>Council Grove</u>	<u>2893-2897 w/8 shots</u>
<u>Council Grove</u>	<u>2909-2916 w/14 shots</u>
<u>Council Grove</u>	<u>2928-2938 w/20 shots</u>

Electric Log Run. (Show type log and depths covered)

Schlumberger Dual Induction Laterolog w/Sonic, Gamma Ray & Caliper from 546 to 3025.

(Fill in formation and related information on reverse side)

13-34-40a

FORMATION, TESTING AND COMPLETION RECORD

Show Drill Stem Tests,
Well Stimulation and
Production Tests

Formation	Top	Bottom	
Sand, Red Bed	0	547	Acidized Council Grove 2850-2938 w/3000 gals 15%
Red Bed, Shale	547	1089	Spearhead acid. Frac treated w/6000 gals 1% KCLW
Gyp, Sand, Salt, Shale	1089	1545	pad containing 6 gals FR-28L, 3 gals Adocide, 9 gals
Shale, Anhydrite	1545	1880	Howco suds, followed by 90,000 gals 1% KCLW &
Shale, Lime & Gyp	1880	2273	180,000# 20/40 sand, 90 gals FR-28L, 45 gals Adocide,
Lime & Shale	2273	2500	135 gals Howco suds, flushed w/3000 gals 1% KCLW,
Shale & Lime	2500	2667	3 gals FR-28L, 5 gals Howco suds & 2 gals Adocide.
Lime & Shale	2667	3035	
Total Depth		3035	
PBTD		3010	