

KANSAS DRILLERS LOG

API No. 15 — 129 — 20349
County Number

Operator

Cities Service Company

Address

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

Well No.

2

Lease Name

Stuart A

Footage Location

1325

feet from (N) ~~285~~ line

1414

feet from ~~285~~ (W) line

Principal Contractor

Wakefield Drilling Co.

Geologist

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Spud Date

12-11-77

Total Depth

3035

P.B.T.D.

3010

Date Completed

4-18-78

Oil Purchaser

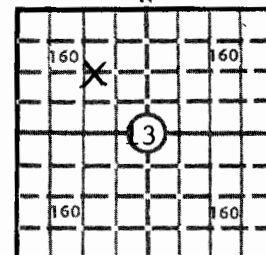
S. 13 T. 34 R. 40 K W

Loc. 1325' FNL 1414' FWL

County Morton

640 Acres

N



Locate well correctly

Elev.: Gr. 3340

DF 3348 KB 3350

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	545	150 sx Howco Lite w/2% 175 sx Class H w/2% CaCl & 1/4# Flocele		CaCl & 1/4# Flocele
Production	7-7/8	4 1/2	9.5	3034	125 sx Howco Lite w/1/4# CFR-2; 150 sx 50/50 Pozmix w/10% salt 1/4# Flocele & 0.8% CFR-2.		Flocele & 0.2% Pozmix w/10% salt

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	.57 Jet	2850-2856
2	.57 Jet	2870-2883
2	.57 Jet	2893-2897
2	.57 Jet	2909-2916
2	.57 Jet	2928-2938

TUBING RECORD

Size	Setting depth	Packer set at
1 1/2"	2864	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized Council Grove w/3000 gals 15% Spearhead acid. Frac treated w/6000 gals 1% KCLW pad containing 6 gals FR-28L, 3 gals Adocide, 9 gals Howco suds, followed by 90,000 gals 1% KCLW & 180,000# 20/40 sd, 90 gals FR-28L, 45 gals Adocide 135 gals Howco suds, flushed w/3000 gals 1% KCLW, 3 gals FR-28L, 5 gals Howco suds & 2 gals Adocide	2850-2938

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
4-18-78	Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	CAOF 888	MCF	bbls.

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
To be sold	2850-2938

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. 2 Lease Name Stuart A

S 13 T 34 R 40 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
Sand, Red Bed	0	547	Logging: Schlumberger Dual Induction Laterolog w/sonic, Gamma Ray & Caliper from 546 to 3025'.	
Red Bed, Shale	547	1089		
Gyp, Sand, Salt & Shale	1089	1545		
Shale, Anhydrite	1545	1880		
Shale, Lime & Gyp	1880	2273		
Lime & Shale	2273	2500		
Shale & Lime	2500	2667		
Lime & Shale	2667	3035		
Total Depth		3035		
PBTD		3010		

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

Date Received	W. A. Givens Signature Engineering Manager Title May 2, 1978 Date
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