

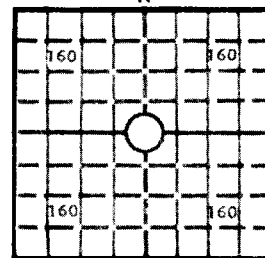
KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGState Geological Survey
WICHITA, BRANCH

S. 34 T. 8 R. 16 W

Loc. C N/2 of S/2 NW/4

County Rooks

640 Acres
N

Locate well correctly

Elev.: Gr. 1961'

DF 1959' KB 1956'

API No. 15 — 163 — 21058
County Number

Operator

Cities Service Company

Address

209 East William, Wichita, Kansas 67202

Well No.

5

Lease Name

Hodson "A"

Footage Location

1550 feet from (N) X&X line 1420 feet from X&X (W) line

Principal Contractor

Emphasis Oil Operations

Geologist

Calvin Clay

Spud Date

7-23-80

Date Completed

9-16-80

Total Depth

3350 K.B.

P.B.T.D.

3344 K.B.

Directional Deviation

Not directionally drilled

Oil and/or Gas Purchaser

Koch Oil

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 $\frac{1}{4}$ "	8 5/8"	24#	297' KB	"A" 50-50 Pozmix	175	2% CaCl-2
Production	7 7/8"	5 $\frac{1}{2}$ "	14#	3349' KB	50-50 Pozmix "A"	250	.75% CFR-2 + 10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			AS PER ATTACHED SHEET		
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
AS PER ATTACHED SHEET	

INITIAL PRODUCTION

Date of first production 9-16-80	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 12 bbls.	Gas none MCF	Water 145 bbls.	Gas-oil ratio none CFPB
Disposition of gas (vented, used on lease or sold) No gas produced on lease			Producing interval (s) 3052' - 3324'	

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, 245 No. Water, Wichita, Kansas 67202. 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.:
Well No. 5	Lease Name Hodson "A"	OIL
S <u>34</u> T <u>8</u> R <u>16</u> ^{EX} _W		

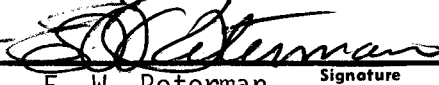
WELL LOG

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
AS PER ATTACHED SHEET				

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

Date Received	 E. W. Peterman Region Operations Manager
	Signature Title
	Date

34-8-16W

EMPHASIS OIL OPERATIONS

P.O. Box 506

Russell, Kansas 67665

DRILLERS LOG

OPERATOR: Cities Service Company
209 East William
700 Sutton Place
Wichita, KS 67202

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Hodson 'A' WELL: #5

LOCATION: C S/2 N/2 SW
Section 34-8-16W
Rooks County, Kansas

Total Depth: 3350'

Elevation:

Commenced: 7-23-80

Completed: 7-28-80

Casing: 8-5/8" @ 293'
5-1/2" @ 3349'

Status: Oil Well

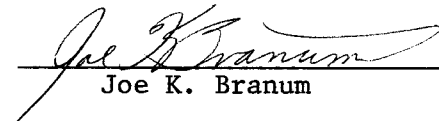
DEPTHS & FORMATIONS

(All measurements from K.B.)

Post rock & soil	35	Shale	2240
Sand & shale	450	Shale & lime	2845
Shale & sand	1160	Lime & shale	3290
Red bed	1260	Lime (R.T.D.)	3350
Anhydrite	1295		

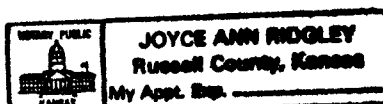
STATE OF KANSAS)
COUNTY OF RUSSELL) ss

I, Joe K. Branum, of Emphasis Oil Operations, state that the above and foregoing is a true and correct log of the above captioned well.


Joe K. Branum

Subscribed and sworn to before me this 31st day of July, 1980.

My Commission Expires: 4-29-84.




Notary Public

PERFORATION RECORD

Perforated as follows with 2 1/2" shots per foot.

Toronto	3052-56 (4')
LKC "A"	3073-76 (3')
"B"	3096-3100 (4') & 3110-15 (5')
"D"	3126-30 (4') & 3141-45 (4')
"F"	3155-58 (3')
"G"	3168-72 (4') & 3175-80 (5')
"H"	3213-17 (4')
"I"	3235-38 (3') & 3242-46 (4')
"J"	3258-62 (4') & 3266-70 (4')
"K"	3290-94 (4')
"L"	3314-18 (4') & 3322-24 (2')

ACIDIZING RECORD

Following Toronto and LKC Zones acidized with 15% NE Acid

	<u>ZONE</u>	<u>GALLONS OF ACID</u>
"L"	3314 - 3324	750
"K"	3290 - 94	500
"J"	3258 - 3270	500
"I"	3235 - 3246	500
"H"	3213 - 3217	500
"G"	3168 - 3180	500
"F"	3155 - 3158	4000
"D"	3141 - 3145	4000
"D"	3126 - 3130	4000
"B"	3110 - 3115	4000
"B"	3096 - 3100	4000
"A"	3073 - 3076	1000
Toronto	3052 - 3056	1000