

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

15-109-20081

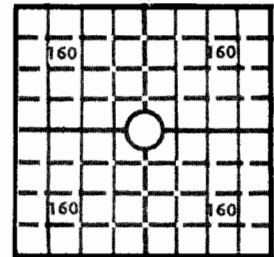
API No. 15 — 109 — 20,081
County Number

S. 6 T. 12S R. 33W E

Loc. SW SE

County Logan

640 Acres
N



Locate well correctly

Elev.: Gr. 3176

DF 3178 KB 3181

Operator
Chief Drilling Co., Inc.

Address
905 Century Plaza, Wichita, Kansas 67202

Well No. #1 Lease Name Johnston

Footage Location
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Company Tools Geologist Tom Wesselowski

Spud Date 7/26/77 Total Depth 4800' P.B.T.D.

Date Completed 8/20/77 Oil Purchaser Koch Oil Co.

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
	12 1/4"	8 5/8"	28 lb.	286'	Common Quick	180	
		4 1/2"		4798'	60-40 Posmix	250	salt. sat.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Reg.	4330-38
TUBING RECORD			4	Reg.	4669-76'
Size	Setting depth	Packer set at			
2 3/8"	4758'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 gals. reg.	Open hole

INITIAL PRODUCTION

Date of first production 8-27-77 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS
Oil 125 bbls. Gas None MCF Water None bbls. Gas-oil ratio None CFPB

Disposition of gas (vented, used on lease or sold) Producing interval (s) 4110-4623'

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 Chief Drilling Co., Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. #1	Lease Name Johnston	Oil Well
S 6 T 12S R 33W 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
DST #1 4132-75' Misrun			Anhydrite	2664
DST #2 4132-75'			Base Anhy.	2686
30-30 60-30			Heebner	4068
Fr. dec. bl.			Toronto	4094
Rec. 150' Ospkd. Mw/scum oil			Lansing	4110
700' MW			BKC	4407
IBHP: 1277# FBHP: 1210# FP: 68-433#			Cher. Shale	4623
DST #3 4178-4210'			Miss.	4744
30-30 30-30			LTD	4800
Wk. bl. 10"			RTD	4800
Rec. 10' M				
IBHP: 1245# FBHP: 1244# FP: 31-38#				
DST #4 4207-30'				
30-30 30-30				
Gd. to fair bl.				
Rec. 1200' W				
IBHP: 1345# FBHP: 1333# FP: 55-660#				
DST #5 4242-80'				
30-30 90-30				
Wk. stdy. bl.				
Rec. 630' W				
IBHP: 1375# FBHP: 1370# FP: 35-266#				
DST #6 4281-4305'				
30-30 30-30				
Wk. bl. 7"				
Rec. 6' M				
ALL Press. 32#				
DST #7 4301-30'				
30-30 90-30				
Wk. stdy. bl.				
Rec. 680' MW				
IBHP: 1322# FBHP: 1170# FP: 35-344#				
DST #8 4330-90'	DST #9 4584-4680'			
30-30 60-30	30-30 60-45			
Str. bl.	Gd. bl.			
Rec. 650' GIP	Rec. 450' GIP			
2960' Oil (41°)	450' GO (28.5°)			
IBHP: 1375# FBHP: 1373# FP: 175-1118#	900' MGO		IBHP: 1142# FBHP: 1105#	
			FP: 105-605#	

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

Date Received	 Signature Jim Robinson, Vice President Title September 21, 1977 Date
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WELL LOG

State Geological Survey

WICHITA, BRANCH

CHIEF DRILLING CO., INC.
905 Century Plaza
Wichita, Kansas 67202

#1 JOHNSTON
SW SE Sec. 6-12S-33W
Logan County, Kansas

CONTRACTOR: Company Tools
CASING RECORD: 8 5/8" set @ 286' w/180 sx.

COMMENCED: July 26, 1977
COMPLETED: August 8, 1977

FORMATION	FROM	TO	ELEVATIONS
Surface Mud	0	292	3176 Gr.
Sand & Shale	292	2584	3178 D.F.
Shale	2584	2662	3181 K.B.
Anhydrite	2662	2686	
Shale	2687	4175	
Shale & Lime	4175	4185	XXXXXXXXXXXXXXXXXXXX
Lime	4185	4230	ELECTRIC LOG TOPS:
Lime & Shale	4230	4280	Anhydrite 2664 + 517
Lime	4280	4800	Base Anhydrite 2686 + 495
RTD	4800		Heebner 4068 - 887
			Toronto 4094 - 913
			Lansing 4110 - 929
			BKC 4407 - 1226
			Cher. Shale 4623 - 1442
			Miss. 4744 - 1563
			LTD 4800 - 1619

RECEIVED
STATE CONSERVATION COMMISSION
AUG 12 1977
CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS, COUNTY OF SEDGWICK) ss:

I hereby certify that the above is a true and correct copy of the Driller's Log of the well drilled in the SW SE of Section 6-12S-33W, Logan County, Kansas, to the best of my knowledge and belief.

CHIEF DRILLING CO., INC.

Jim Robinson
Jim Robinson, Vice-President

Subscribed and sworn to before me this 11th day of August, 1977.

MARILYN SINARD
STATE NOTARY PUBLIC
SEDGWICK COUNTY, KANSAS
MY COMM. EXP. APR. 30, 1979

Marilyn Sinard
Marilyn Sinard Notary Public