

KANSAS DRILLERS LOG

State Geologist
 WICHITA BRANCH
 JUL 8 0 1978
 Survey

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

API No. 15 — 109 — 20,093
 County Number

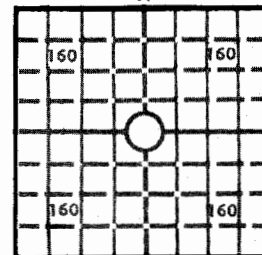
Loc. C SE SW

Operator
Chief Drilling Co., Inc.

County Logan

Address
905 Century Plaza, Wichita, Kansas 67202

640 Acres
 N



Well No. #1 Lease Name Herl

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

Principal Contractor Company Tools Geologist Neil Sikes

Locate well correctly

Spud Date 10/10/77 Total Depth 4768' P.B.T.D.

Elev.: Gr. 3177

Date Completed 11/9/77 Oil Purchaser Koch Oil Co.

DF 3179 KB 3182

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.	320'	Common	180	
		4 1/2"		4775'	60-40 Pos	250	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type Reg.	Depth interval
			4		4675-84'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	4653'	4626'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 gals. acid	4675-84'

INITIAL PRODUCTION

Date of first production April 15, 1978 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS
 Oil 40 bbls. Gas None MCF Water 60% Gas-oil ratio XXX CFPB

Disposition of gas (vented, used on lease or sold) Producing interval (s) 4675-84'

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 Herl	Oil Well
S <u>6</u> T <u>12S</u> R <u>33W</u> 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 4079-4130' 30-30 30-30 Strg. bl., decr. to fair Rec. 2400' water IBHP: 1280# FBHP: 1265# FP: 333-1188#			Anhydrite Heebner Lansing BKC L/Cher. Shale	2659 4070 4112 4412 4630
DST #2 4133-82' 30-30 60-30 Gd. bl. 90" Rec. 1030' MW IBHP: 1320# FBHP: 1288# FP: 127-544#			Miss. LTD RTD	4747 4771 4768
DST #3 4186-4221' 30-30 30-30 very wk. bl. 30" Rec. 70' MW IBHP: 1280# FBHP: 1280# FP: 32-48#				
DST #4 4324-42' 30-30 30-30 Wk. bl. 10", very wk. inter. 6", died Rec. 12' OSpkd.M; 3' Free oil All press. 28#				
DST #5 30-30 60-45 Wk. stdy. bl. 90" Rec. 200' GIP; 40' O&GCM; 100' MO IBHP: 1083# FBHP: 1155# FP: 44-88#				
Had to get road built before we could install tanks.				

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

Date Received	<p align="center"><i>Bill G. Lahar</i> Signature</p> <p align="center">Bill G. Lahar, Manager of Exploration Title</p> <p align="center">June 1, 1979 Date</p>
---------------	--

State of Kansas
Wichita, Kansas

WELL LOG

15-109-20093
6-12-33W

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

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

CONTRACTOR: Company Tools
CASING RECORD: 8 5/8" set @ 320' w/180 sx.

COMMENCED: 10/10/77
COMPLETED: 10/22/77

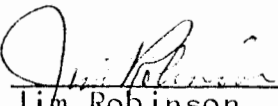
<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>ELEVATIONS</u>
Surface Clay & Sand	0	355	3177 Gr.
Shale	355	2658	3179 D.F.
Anhydrite	2658	2683	3182 K.B.
Shale	2683	3633	
Lime & Shale	3633	3826	
Shale	3826	4013	XXXXXXXXXXXX
Lime	4013	4768	
RTD	4768		

<u>ELECTRIC LOG TOPS:</u>	
Anhydrite	2659 + 523
Heebner	4070 - 888
Lansing	4112 - 930
BKC	4412 - 1230
L/Cher. Shale	4630 - 1448
Miss.	4747 - 1565
RTD	4768 - 1586
LTD	4771 - 1589

4 1/2" @ 4766' w/250 sx.

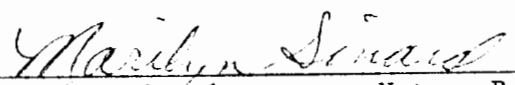
STATE OF KANSAS, COUNTY OF SEDGWICK) ss:

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

CHIEF DRILLING CO., INC.

Jim Robinson, Vice-President

Subscribed and sworn to before me this 26th day of October, 1977.

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


Marilyn Sinard Notary Public