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KANSAS

State Geological Survey
WICHITA, BRANCH

SW SW NW

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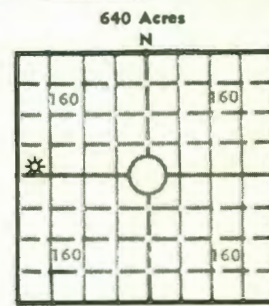
WELL COMPLETION REPORT AND
DRILLER'S LOG

API No. 15 — 037 — 20,656
County Number

S. 33 T. 27 R. 22 E
Loc. 2500' FNL, 495' FWL

County Crawford

Operator Charles Kruse			
Address Rt. #1, Hepler, Kansas			
Well No. 1	Lease Name C. Kruse		
Footage Location 2500 feet from (N) (S) line 495 feet from (E) (W) line			
Principal Contractor Drill Energy		Geologist Michael L. Ebers	
Spud Date 4-30-81	Date Completed 5-4-81	Total Depth 720'	P.B.T.D.
Directional Deviation		Oil and/or Gas Purchaser	



Elev.: Gr. 980'
DF _____ KB _____

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	8"	7"		24'			
Production	6 1/4"	2"		675'			

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas not yet tested MCF	Water bbls.	Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold) personal use by landowner			Producing interval(s) Miss. at 675-720'		

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 Charles Kruse DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas Well

Well No. 1 Lease Name C. Kruse

S 33 T 27 R 22 E

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
Well log attached				

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

Date Received	<p><i>Chirchak J. Eban</i> Signature Consultant Geologist Title May 11, 1981 Date</p>
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MICHAEL L. EBERS

Consultant Geologist

AAPG SEG

TELEPHONE 316-431-2542

1212 SOUTH RUTTER
CHANUTE, KANSAS 66720

State Geological Survey
WICHITA, BRANCH

C. Kruse #1, 2500' FNL, 495' FWL
Section 33, T 27S, R 22E
Crawford Co., Kansas

SAMPLE EXAMINATION

Operator: Charles Kruse

Drill Contractor: Drill Energy, Inc.

Surface Casing: 24' of 7"

Elevation: 980'

Date Started: 4-30-81

Date Finished: 5-4-81

<u>Depth</u>	<u>Description</u>	<u>Fluorescence</u>
100-140	Shale, gray	
TOP OF PAWNEE LIMESTONE AT 140'		
140-190	Limestone, tan, medium crystalline	
190-220	Shale, dark gray	
220-240	Siltstone, light gray	
240-250	Shale, gray	
TOP OF OSWEGO AT 250'		
250-270	Limestone, tan, fine crystalline	
270-280	Shale, gray	
280-285	Shale, black	
285-290	Limestone, light brown, fine crystalline	
290-300	Siltstone, light gray	
300-320	Siltstone, shaley, gray	
320-340	Shale, gray, silty	
340-390	Shale, gray	
390-400	Shale, gray & limestone, brown	
400-420	Siltstone, shaley, tight gray	

SAMPLE EXAMINATION

C. Kruse #1, 33-27-22e
Crawford Co., Kansas

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<u>Depth</u>	<u>Description</u>	<u>Fluorescence</u>
420-460	Shale, gray, some coal @ 430-440'	
460-485	Shale, dark gray, fissile	
485-500	Siltstone, light gray	
500-530	Shale, gray	
530-540	Siltstone, light gray, thinly laminated with shale	
540-590	Shale, gray	
590-596	Siltstone & shale, thinly laminated, gray	
TOP OF TUCKER SAND AT 596'		
596-597	Sandstone, dark brownish gray, fine grained silty and micaceous, fair porosity, light show free oil	Dull, Speckled
597-598	Siltstone, shaley and sandy, gray	20% Dull
598-598½	Sandstone, brown, fine grained, silty, fair porosity, good free oil	Speckled, Dull
Core #1 598½-612'		
598½-600½	Sandstone, brown, fine grained, good porosity, excellent oil saturation	
600½-610	Shale & siltstone, thinly laminated, no free oil	
610-610½	Coal	
610½-612	Shale	
612-675	Shale, dark gray	
TOP OF MISSISSIPPIAN AT 675'		
675-700	Limestone, tan, fine crystalline	5% Bright
700-710	Dolomite, tan, fine crystalline, sucrosic, vuggy, 8% porosity, dark brown oil stain, show free oil	40% Medium Bright
710-720	Limestone, tan, fine crystalline	Trace
T.D. AT 720'	Respectively submitted,	

Michael L. Ebers