

KANSAS DRILLERS LOG

API No. 15 — 109 — 20059
 County Number

S. 13 T. 11 R. 33W E W

Loc. C NE SE

County Logan

Operator
 Donald C. Slawson

Address
 408 120 Building, Wichita, Kansas 67202

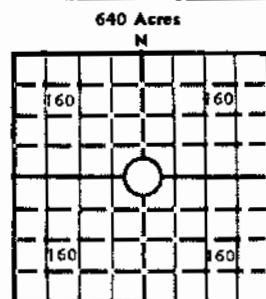
Well No. #1 Lease Name Kruse 'C'

Footage Location
 1980 feet from (N) (S) line 660 feet from (E) (W) line

Principal Contractor Slawson Drilling Company, Inc. Geologist Ralph Ruwwe

Spud Date 2/9/76 Total Depth 4638 P.B.T.D. 4310

Date Completed 2/18/76 Oil Purchaser Koch



Locate well correctly
 Elev.: Gr. 3097

DF 3099 KB 3102

CASING RECORD

State Geological Survey
WICHITA BRANCH

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	12½"	8 5/8"	28	259'	60/40 poz	200	2% gel, 3% CC
Production	7 7/8"	4½"	10½	4352'	50/50 poz	150	18% salt, 3/4% CF

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	jets	4271-74
			2	jets	4250-52
					4220-22

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	4273	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

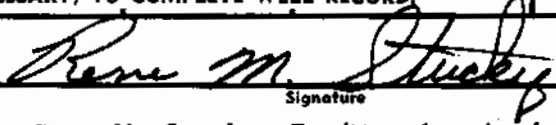
Amount and kind of material used	Depth interval treated
1750 gal acid = NE-28%	4272, 4251, 4221

INITIAL PRODUCTION

Date of first production 3-18-76	Producing method (flowing, pumping, gas lift, etc.) Pumping		
RATE OF PRODUCTION PER 24 HOURS	Oil 115 bbls.	Gas 0 MCF	Water 16 bbls.
Disposition of gas (vented, used on lease or sold)			Gas-oil ratio CFPB
Producing interval (s) 4271-74, 4220-22, 4250-52			

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.

90724

Operator Donald C. Slawson		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil		
Well No. #1	Lease Name Kruse 'C'			
S 13 T 11 R 33W ^E _W				
WELL LOG			SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
0 - 261 Surface hole				
261 - 1991 Shale and Shells				
1991 - 2506 Shale				
2506 - 2602 Shale and Shells				
2602 - 2629 Anhydrite				
2629 - 2860 Shale and Shells				
2860 - 3116 Shale				
3116 - 4158 Shale and Lime				
4158 - 4305 Lime				
4305 - 4390 Lime and Shale				
4390 - 4502 Lime				
4502 - 4605 Lime and Shale				
4605 - 4638 Lime				
4638 RTD				
DST #1 4194-4233 (120&140' zn), 30-45-45-60, SBTO Rec. 500' GIP, 580' CGO, 190' MO (2% M) 770' Total, IFP 31-172#, ISIP 1139# rising @ 40' FFP 203-281# FSIP 1130# rising @ 30°			LOG TOPS ANH 2602 (+500) ANH 2629 (+473) VAB 3678 (-576) TECH 3918 (-816) HEEB 4030 (-928) TORO 4055 (-953) LANS 4072 (-970) STK 4285 (-1183) K/C 4348 (-1246) HARM 4383 (-1281) PAWN 4486 (-1388) V/CH 4535 (-1434) L/CH 4569 (-1467) JH ZN 4612 (-1510) RTD 4639 (-1537)	
DST #2 4228-4263 (160' zn), 30-45-45-60, SBTO, Rec. 2000' GIP, 570' CGO, 60' MO 630' Total, IFP 31-172#, ISIP 1233#, FFP 172-250#, FSIP 1171#				
DST #3 4256-4288 (180' zn) (Packer failure)				
DST #4 4252-4288 (180' zn), 30-45-45-60, SBTO, 2100' GIP, 1160' CGO (38° Corr), 250' SMO (3% M, NW) 1410' TF, IFP 62-327#, ISIP 1108#, FFP 343-528#, FSIP 1061#				
DST #5 4560-4638 (JH ZN) 30-45-45-60, WB inc to FB on ini WBTO on final, Rec. 95' VSOCM (3% O), IFP 62-78#, ISIP 1084#, FFP 85-93#, FSIP 1014#				
State Potential - 115 BOPD - 12% wtr.				
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Signature			
	Rene M. Stucky, Engineering Assistant			
	Title			
	May 18, 1976			
	Date			

13-11-334

15-109-20,059

OPERATOR: Donald C. Slawson
 408 120 Building
 Wichita, Kansas 67202

LEASE: #1 Kruse 'C'
 C NE SE Sec. 13-11-33W
 Logan County, Kansas

CONTRACTOR: Slawson Drilling Company, Inc.

COMMENCED: February 9, 1976

COMPLETED: February 18, 1976

CASING: Set 8 5/8" @ 259'w/200 sx

TOTAL DEPTH 4638'

0 - 261	Surface hole
261 - 1991	Shale and Shells
1991 - 2506	Shale
2506 - 2602	Shale and Shells
2602 - 2629	Anhydrite
2629 - 2860	Shale and Shells
2860 - 3116	Shale
3116 - 4158	Shale and Lime
4158 - 4305	Lime
4305 - 4390	Lime and Shale
4390 - 4502	Lime
4502 - 4605	Lime and Shale
4605 - 4638	Lime
4638	RTD



STATE OF KANSAS)
) SS.
 COUNTY OF SEDGWICK)

I, JAMES C. REMSBERG, of the SLAWSON DRILLING COMPANY, INC. upon oath state that the above and foregoing is a true and correct copy of the log of the #1 Kruse 'C' well.

James C. Remsberg
 James C. Remsberg
 by: Rene Stucky

Subscribed and sworn to before me this 27th day of February, 1976

Dolores B. Coady
 Dolores B. Coady, Notary Public

commission expires: