

KANSAS DRILLERS LOG

API No. 15 — 119 — 20,259
County Number

Operator

Imperial Oil Company

Address

720 Fourth Financial Center Wichita, Kansas 67202

Well No.

#1-21

Lease Name

Crooked L Ranch

Footage Location

1320 feet from ~~XXX~~ (S) line

1320

feet from DEK (W) line

Principal Contractor

Sage Drilling Co.

Geologist

Dick Roby

Spud Date

2-25-77

Total Depth

RTD: 5580'

P.B.T.D.

Date Completed

4-29-77

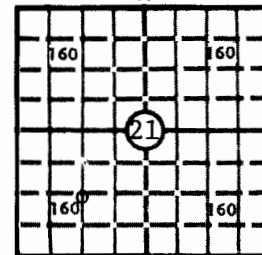
Oil Purchaser

Gas well

S. 21 T. 32 R. 28 NE
W

Loc. C W2 SW

County Meade

640 Acres
N

Locate well correctly

Elev.: Gr. 2454'

DF 2462' KB 2465'

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	15"	13 3/8"		920'	Lt. wt. Common	600 175	
Surface	12 1/4"	8 5/8"		1305'	Halco lt. Common	500 150	2% CaCl 3% CaCl
Production	7 7/8"	5 1/2"		5540'	Lt. wt. Common	75 150	18% salt & 12 1/2# gilsonite

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			4	Jumbo Jets	5427-5430'
Size	Setting depth	Packer set at			
2"	5420'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Circulated hole w/KCl water; swabbed	

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	4.3 MMCFPD MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
Gas to be sold			Atoka Sand		

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 IMPERIAL OIL COMPANY		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1-21	Lease Name CROOKED-L RANCH	GAS	
S <u>21</u> T <u>32</u> S <u>R</u> <u>28</u> W <u>E</u> 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
#1 DST: 5401-5435 60-120-180-120 Rec. 4' condensate; GTS in 4 min. 1st open gauge in 8 min. 3,350 McfPD 33 " 7,150 McfPD 63 " 7,250 McfPD 2nd open: gauge in 15 min. 7,200 Mcf 60 " 7,250 Mcf & stabilized IBHP: 1879# FBHP: 1850# IFP: 1096-1143 FFP: 1419-1399 #2 DST: 5445-5485' 30-60-30-60 Rec. 30' drilling mud. IBHP: 130# FBHP: 118# IFP: 47-46 FFP: 47-46 #3 DST: 5490-5580' 30-60-30-60 Rec. 20' drilling mud. IBHP: 101# FBHP: 88# IFP: 72-85 FFP: 75-79			Heebner 4261 (-1796) Toronto 4280 (-1815) Lansing 4401 (-1936) K/C 4667 (-2202) Marmaton 5014 (-2549) Cherokee 5176 (-2711) Atoka 5390 (-2925) Sand 5426 (-2961) Morrow 5453 (-2988) Chester 5472 (-3007) RTD: 5580 LTD: 5581
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Exploration Manager Title May 13, 1977 Date		