

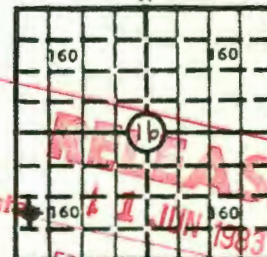
KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGState Geological Survey
WICHITA, BRANCHAPI No. 15 — 091 — 20,320
County Number

S. 16 T. 14S R. 22E E W

Loc. 785' fsl, 165' fwl

County Johnson

640 Acres
N

Elev.: Gr.

DF KB

Operator
T. I. Energy, Inc.Address
401 S. Main St., Suite 3A, Ottawa Ks. 66067Well No. 3 Lease Name
Kramer "A"Footage Location
785' feet from (N) (S) line 165' feet from (E) (W) linePrincipal Contractor
Meadowlark Drilling, Inc. Geologist
Tom W. Stander, - OrionSpud Date
June 24, 1981 Date Completed
June 26, 1981 Total Depth
937 P.B.T.D.Directional Deviation
n/a Oil and/or Gas Purchaser
n/a

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	7 7/8	6 1/2					
Producing	5 1/8	2 7/8"		917			

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Pecker 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 1 bbls. Gas MCF Water Gas-oil ratio CFPB

Disposition of gas (vented, used on lease or sold) Producing interval (s)

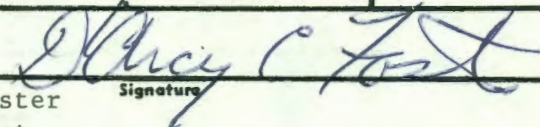
INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, 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 T. I. Energy, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 3	Lease Name Kramer "A"	Oil
S 16 T 14S R 22E W 785' FSL, 165' FWL		

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.
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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Surface casing	0	29		
Shale	29	89		
Lime	89	104		
Shale	104	106		
Lime	106	139		
Shale	139	145		
Lime	145	173		
Shale	173	176		
Lime	176	180		
Shale	180	184		
Lime	184	197		
Shale	197	203		
Lime	203	213		
Shale	213	214		
Lime	214	258		
Shale	258	285		
Lime	285	292		
Shale	292	311		
Lime	311	317		
Shale	317	325		
Lime	325	339		
Shale	339	461		
Shale	461	623		
Lime	623	635		
Shale	635	687		
Lime	683	688		
Shale	688	717		
Lime	717	733		
Shale	733	895		
Shale with black shale (895)	895	904		
Lime	904	907		
Grays shale, no oil show	907	922		
Tight laminated whiteish sand - fine texture, good oil bleed gas seeps	922.0	922.4		
Clean white sand	922.4	922.5		
Strong oil gas seep	922.5	922.6		
Tight white sand; laminated	922.6	922.8		
Strong oil gas seep; laminated	922.8	923.3		
Contorted laminae; no show	923.3	923.7		

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

Date Received	 D'Arcy C. Foster Vice President	
	Title _____	
	Date 12-01-81	

291095

16-145-22e

Heavy oil gas show; good bleeding sandstone not as light	923.7	924.7
Clean sand; laminated	924.7	925.2
Alternating inches of oil and clean sand	925.2	925.7
No show - fine laminae	925.7	926.1
Thick layer of sand - no show	926.1	926.3
Small show of oil	926.3	926.4
Shaley sand; 1" thick; no show	926.4	926.5
Shaley sand laminae	926.5	927.5
Sandy layer; dark stained; no flow	927.5	927.6
Sandy shale; fine laminae	927.6	928.0
Sandy shale; fine laminae	928.0	928.8
Blue shale; fine sand laminae	928.8	930.6
Oily shale	930.6	930.9
Blue shale	930.9	932.0
White shale	932.0	933.6
Limey shale; limey sand	933.6	935.5
Fine laminared shaley sand	935.5	936.0
Open hole completion	937	T.D.