KANSAS PL

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey WICHITA BRANCH

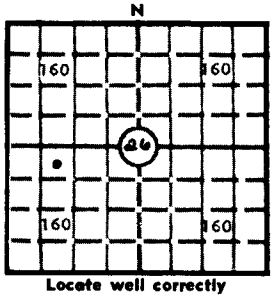
API No. 15 — 051 (County) — 22,401 (Number)

S. 26 T. 13 R. 20 E/W

Loc. NE NW SW

County Ellis

640 Acres



Locate well correctly

Elev.: Gr. 2186

DF 2189 KB 2191

Operator: Liberty Enterprises, Inc.

Address: 308 West Mill Plainville, Kansas 67663

Well No.: #2 Lease Name: Kraus "B"

Footage Location: 2310 feet from (N) (S) line 990 feet from (E) (W) line

Principal Contractor: Pioneer Drilling Company, Inc. Geologist: Greg Issinghoff

Spud Date	Date Completed	Total Depth	P.B.T.D.
5/6/81	5/15/81	3860	3800

Directional Deviation:

Oil and/or Gas Purchaser: Cities Service Oil Co.

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	12¼"	8 5/8"	24#	252'	common	130	2% gel 3% cc
Production	7 7/8"	4 1/2"	10.5#	3852.50'	RDC	150	
D.V. tool at 1400'					50/50 poz	300	6% gel

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2" EVE	3790	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2		3665-70
2		3641-45
2		3620-24
2		3518-24
2		3492-96
1		3488-89

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Straddle Packers 2750 gallon acid	3665-70 3641-45
Straddle Packers 1500 gallon acid	3620-24
Straddle Packers 1000 gallon acid	3518-24
Straddle Packers 1250 gallon acid	3492-96 & 3488-89

INITIAL PRODUCTION

Date of first production: 6-23-81

Producing method (flowing, pumping, gas lift, etc.): Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	27 BOPD bbls.	MCF	8 BWPD bbls.	CFPB

Disposition of gas (vented, used on lease or sold):

Producing interval(s): All perf open 3670-3488 Lansing KC

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.

C-10-1972

Operator		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Liberty Enterprises, Inc.		
Well No. #2	**Lease Name** Kraus "B"	OIL
S 26 T 13 R 20 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
Geological & Completion Report Enclosed				

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

Date Received

Charles G. Comeau
Signature

Petroleum Geologist
Title

July 28, 1981
Date

State Geological Survey
WICHITA BRANCH

26-13-20W

WELL LOG

OPERATOR: Liberty Enterprises, Inc.

WELL NAME: Kraus "B" #2 LOCATION: NE NW SW 26-13s-20W

COUNTY: Ellis STATE: Kansas

WELL COMMENCED: May 6, 1981 WELL COMPLETED: May 15, 1981

ELEVATION: 2191' K.B. TOTAL DEPTH: 3860'

PRODUCTION: Oil RIG NO: #3

CASING - 8 5/8": Ran 6 Jts. New 24# Tally @ 252.89' Set @ 259.89' Cemented with 130 sxs common 2% gel 3% cc did circ P.D. @ 12:30 A.M. 5-7-81

4 1/2" ~~5xxxx2x~~: Ran 94 Jt. 10.5# Tally @3847.50' Set @ 3852.50' first Stage-150 sxs RDC second Stage-300 sxs 50-50 poz 6% gel P.D. @ 9:00 P.M. 5-15-81

ALL MEASUREMENTS TAKEN FROM THE TOP OF ROTARY BUSHING:

FROM	TO	FORMATION	DEVIATION FROM VERTICAL	REMARKS:
0'	260'	surface soil,sand,shale	260' - 3/4 - degree	
260'	600'	shales and sand		
600'	1509'	sand and shale		
1509'	1548'	Anhydrite		
1548'	1585'	shale		
1585'	1923'	shales		
1923'	2180'	shales	1955' - 1 - degree	
2180'	2490'	shale		
2490'	2505'	shales	2502' - 1 - degree	
2505'	2608'	shales		
2608'	2865'	shale and lime		
2865'	3040'	shale and lime		
3040'	3172'	shale and lime		
3172'	3290'	lime and shales		
3290'	3377'	lime and shale		
3377'	3470'	shale and lime		
3470'	3545'	lime and shale		
3545'	3627'	lime and shale		
3627'	3660'	shale and lime	3660' - 2 - degree	
3660'	3710'	lime and shale	3710' - 2 - degree	
3710'	3715'	lime and shale		
3715'	3790'	lime and shale		
3790'	3800'	lime and shale	3800' - 1 1/2 - degree	
3800'	3852'	lime and shale		
3852'	3860'	lime and shale	3860' - 1 - degree	
3860'	RTD			

RECEIVED
STATE CORPORATION COMMISSION
MAY 29 1981
CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS