

KANSAS

State Geological Survey

WELL COMPLETION REPORT AND
DRILLER'S LOG

WICHITA BRANCH

El

S. 4 T. 11S R. 17 W

Loc. NE SE NE

County Ellis

API No. 15 — 051 — 22,355
County Number

Operator

Liberty Enterprises, Inc.

Address

308 West Mill

Well No.

#2

Lease Name

Orlan Carmichael

Footage Location

1650 feet from (N) line

330 feet from (E) line

Principal Contractor

Pioneer Drilling Company, Inc.

Geologist

Patrick L. Balthazor

Spud Date

4/2/81

Date Completed

4/9/81

Total Depth

3540

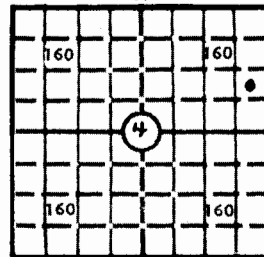
P.B.T.D.

3486

Directional Deviation

Oil and/or Gas Purchaser

640 Acres



Locate well correctly

Elev.: Gr. 1908

DF 1911 KB 1913

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	12 1/4"	8 5/8"	24#	209'	common	140	3% cc 2% gel
Production	7 7/8"	4 1/2"	10.5	3520'	R.D.C.	150	
				1094'	50/50 poz	350	6% gel

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					21 holes
			1 per 2'		3408-3448

TUBING RECORD

Size	Setting depth	Packer set at
2" EVE	3480'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gallon mud acid and 24 ball sealers by Dowell XXM38 Acid	3408-3448
Frac 12000# sand 400 barrel gelled water 1200# max pressure	
Pump back frac load fluid	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)			
4-29-81	Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil Pump Test 5-12-81	Gas	Water	Gas-oil ratio
	87 BOPD	bbis.	MCF Trace	bbis. CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s)			
None	Marmaton Chert 3408-3448			

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 Liberty Enterprises, Inc. DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. #2 Lease Name Orlan Carmichael OIL

S 4 T 11 R 17 ^K/_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 _____
Signature: Charles G. Comeau
Title: Petroleum Geologist
Date: July 10, 1981