PL

KANSAS

IMPORTANT
Kans. Geo. Survey request samples on this well.

State Geological Survey
WICHITA, BRANCH

WELL COMPLETION REPORT AND DRILLER'S LOG

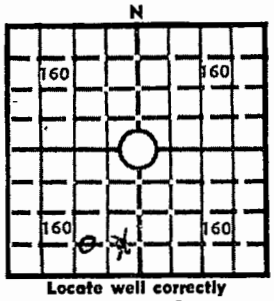
S. 30 T. 12 R. 19 E W

API No. 15 — 051 (County) — 22,249 (Number)

Loc. C W2 SE SW

County Ellis

640 Acres



Locate well correctly

Operator: ECCO

Address: Box 1025 McPherson, Kansas 67460

Well No. #1 | Lease Name: Armbrister

Footage Location: 652 - KCC Record feet from (N) (S) line; 3527 E - KCC Record feet from (E) (W) line

Principal Contractor: Emphasis Oil Operations | Geologist: Don Mallard

Elev.: Gr. 2177

DF _____ KB 2182

Spud Date	Date Completed	Total Depth	P.B.T.D.
1-26-81	3-13-81	3895	

Directional Deviation | Oil and/or Gas Purchaser: NCRA

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 3/4	8 3/4"		252	COMMON	100	
PRODUCTION	7 7/8	4 1/2"	10.50	3893	Common	200	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	3603	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	3/8"	3521 to 3585

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
5000 Gal 15% Acid	3521 to 3585

INITIAL PRODUCTION

Date of first production: 3-27-81 | Producing method (flowing, pumping, gas lift, etc.): Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	65 bbls.	— MCF	60 bbls.	50-50 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	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Ecco	

Well No.	Lease Name	
1	Fred Armbrister	OIL

S 30 T 12 R 19 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
LANSING	3487	3726		
ANHYDRITE	1522			
Topeka	3213			
Heebner	3446			
Toronto	3469			
Kansas City				
ARBUCKLE	3818			
	3878			

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

Date Received	
	Richard Eastburn Signature Partner Title 3-31-81 Date