State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

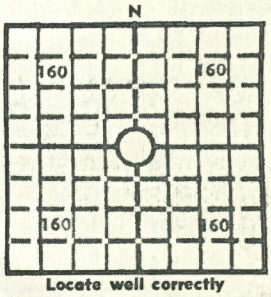
S. 22 T. 34 R. 12 E/W

API No. 15 — 019 (County) — 20,714 (Number)

Loc. 375' FWL & 675' FNL S2 SW

County Chautauqua

640 Acres



Locate well correctly

Operator: Whitworth-Farris

Address: Box 257 Sedan, Kansas 67361

Well No.: #27

Lease Name: Alpine

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

Principal Contractor: Walter Darnall

Geologist: ____

Spud Date: December 1976

Total Depth: 1135

P.B.T.D.: ____

Date Completed: December 1976

Oil Purchaser: Koch

Elev.: Gr. ____

DF ____ KB ____

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	10''	8''		175'		15	
Oil	6¼''	4½''		1135'		40	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	1135	none

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	Neutron Perforation	1090-1104'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Frac with 200 bbls. water 8500 lbs. sand	1090-1104'

INITIAL PRODUCTION

Date of first production: 1-1977

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

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	2 bbls.	none MCF	30 bbls.	1-15 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, 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.

C-10-1972

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Whitworth and Farris	
Well No. 27	**Lease Name** Alpine
S 22 T 34 R 12 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
See driller log attached				

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

Date Received	
	Whitworth - Farris Signature
	Title
	Date 3-1-77

Whitworth & Farris 22 34S 12E
Alpine Lease
27

Walter E. Darnall - contractor
December 1976

AUG 02 1977

Formation	Depth	Remarks
Soil	0-5	
Shale	5-25	
Sand	25-31	
Blue Shale	31-104	
Black Shale	104-118	
Sand	118-119	
Black Shale	119-121	
Sand	121-123	
Sandy Shale	123-152	
Shale	152-168	
Sand	168-173	
Sandy Shale	173-455	
Sand	455-473	
Shale	473-495	
Sand	495-512	
Shale	512-568	
Sand	568-576	
Shale	576-626	
Black Shale	626-629	
Lime	629-632	
Sand	632-706	
Shale	706-854	
Lime	854-858	
Shale	858-890	
Sand (Redd)	890-897	
Shale	897-1039	
Lime	1039-1040	
Shale	1040-1060	
Black Shale	1060-1071	
Lime	1071-1074	
Shale	1074-1078	
Lime	1078-1090	
Peru Sand	1090-1104	Cored from 1092-1135 --12 ft of sand in top of core 5 ft of sand 4ft below cap rock
	1135	T.D.

Cemented 1134ft of new 4½ in. pipe