

KANSAS DRILLERS LOG

API No. 15 ————— County ————— OWWO Number

Operator
Hawkins Oil & Gas

Address
Box 1578, Liberal, Kansas 67901

Well No. CH1 Lease Name Alexander

Footage Location
1250 feet from (N) 36 line 1250 feet from (E) OWO line

Principal Contractor Zenith Drilling Company Geologist Dave Trumbo

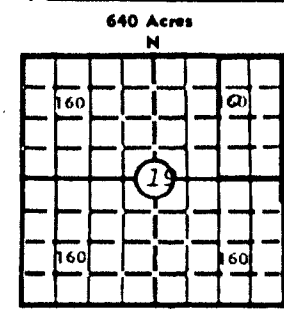
~~Start Date~~ started washdown 12-27-78 Total Depth 5860' P.B.T.D. 5793'

Date Completed 4-18-79 Oil Purchaser

S. 19 T. 34 R. 25 W. W

Loc. 1250' FN & EL
SW NE NE

County Clark



Elev.: Gr. 2075'

DF 2084' KB 2085'

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 casing	12 1/2	8 5/8"		1414			
prod. casing	7 7/8	4 1/2"	10.5	5862	class H 50/50 pozmix	50 sacks 200 sacks	8%gel, 10%salt, 12%kolite 2%gel, 18%salt, 12%kolite, .50%TIC

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1 spf	.38 DP	5770-5777'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	5739'	---

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 20% HCS acid; 1000 gal 28% HRTA, 1000 gal 1% KCL, 2000 gal	5770'-5777'
CO ₂ , 85,000 scf CO ₂ , 6000 gal pad w/4000 gal CO ₂ , 9000 gal 20% HRTA w/6000 gal CO ₂ , 9000 gal flush w/6000 gal CO ₂	

INITIAL PRODUCTION

Date of first production: ----- Producing method (flowing, pumping, gas lift, etc.): flowing

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	<u>1/2</u> bbls.	<u>500</u> MCF	<u>1/2</u> bbls.	CFPB

Disposition of gas (vented, used on lease or sold): sold Producing interval (s): 5770'-5777' Chester

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 67217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125, Drillers Log.

Operator _____ DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Gas Well

Well No. C#1 Lease Name Alexander

S 19 T 34S R 25W 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
<i>Washdown:</i>	0	5860	Morrow shale	5648'
			Chester	5710'

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

Date Received _____

Harold K. Frauli
Signature
Harold K. Frauli, Agent
Title
5-18-79
Date