

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

KANSAS DRILLERS LOG

API No. 15 — 065 — 20888
County Number

S. 31 T. 6 R. 23 ^E _W
Loc. C SE SW NE
County Graham

Operator
Patrick Petroleum Copr

Address 200 E. First Suite 414 Wichita, Kansas 67202

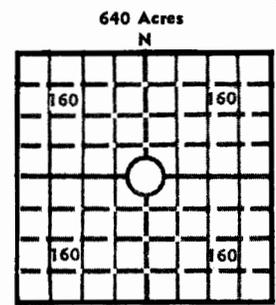
Well No. #2 Lease Name Elliott

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

Principal Contractor Abercrombie Drlg. Geologist Micheal S. Mitchell

Spud Date 2/7/77 Total Depth RTD 3950' P.B.T.D.

Date Completed 2/17/77 Oil Purchaser DH



Elev.: Gr. 2482
DF 2484 KB 2487

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		8 5/8"		305'	Common	275	50/50; 2% gel, 3% cc

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbis.	MCF	bbis.	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.

Operator Patrick Petroleum Corporation DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: DH

Well No. 2 Lease Name Elliott

S 31 T 6S R23 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
DST #1 3760 - 3784 weak blow throughout test. Tool open 90 min. Rec. 20' of thin SOCM. IFP 10 - 10/30"; FFP 10 - 20/60"; ISIP 1295#/30"; FSIP 1274/60"			Electric Log Heebner Lansing T/"G" zone B/KC LTD	Tops: 3704 (-1217) 3743 (-1256) 3888 (-1401) 3931 (-1444) 3951 (-1464)
DST #2 3781 - 3805 Fair blow throughout test. Tool open 90 min. Rec. 25' clean oil, 50' OCWM; 122' MW Total fluid = 197' Grav. 30.4 corr. IFP - 10 - 51/30"; FFP 51 - 101/60"; ISIP 1203#/30"; FSIP 1203#/60"				
DST #3 3798 - 3830 Very weak blow throughout test. Tool open 90 min. Rec. 20' of drilling mud. No shows. IFP 10-16/30" FFP 16 - 24/60" ISIP 1264/30" ; FSIP 1254/60"				
DST #4 3842 - 3883 Fair blow 4 - 5 inches in bucket throughout test. Tool open 90 min. Rec. 5' free oil, 122' OCM. IFP 20 - 51#/30" ISIP 586#/30"; FFP 51 - 71#/60"; FSIP 778#/60"				
DST #5 3872 - 3906 blow 5" in bucket initial opening, off bottom in ten min. of 2nd opening Tool open 2 hrs., rec. 77' clean gassy oil; 62' HOCM (139' total fluid) IFP 10 - 41/30" ISIP 323/45"; FFP 41 - 71/90" ; FSIP 283#/60"				
RTD 3950' D&A 2/17/77				

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

Date Received	<i>Michael S. Mitchell</i>
	Signature
	Geologist for Patrick Petroleum Corporation
	Title
	August 25, 1977
	Date

OPERATOR: Patrick Petroleum, Inc.
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: ELLIOTT #2
 LOCATION: SE SW NE, Section 31-6S-23W
 Graham County, Kansas
 SPUD DATE: 2-07-77
 COMPLETION DATE: 2-17-77

0	275	Clay & Sand
275	1730	Shale
1730	1924	Sand
1924	2156	Shale
2156	2190	Anhydrite
2190	2575	Shale with lime streaks
2575	2752	Shale
2752	3543	Shale & Lime
3543	3784	Lime & Shale
3784	3950	Lime
	3950	Rotary Total Depth

Spud hole at 4:00 p.m. 2-07-77. Cut 306' of 12 1/4" hole. Ran 8 jts. of 8 5/8" casing. (Tally 298') Set at 305' K.B. with 275 sx. 50/50 posmix, 2% gel, 3% Ca. Cl. Plug was down at 10:00 p.m. Cement did circulate.

T.D. 3950'. Set 1st plug at 1100' with 70 sx., 2nd plug at 300' with 20 sx., 40' bridge with 10 sx. Cemented with 50/50 posmix, 6% gel. Plug was down at 2:15 a.m. 2-17-77. State Plugger - Gilbert Balthazor.

SAMPLE TOPS:

Anhydrite 2156' (+331)
 B/Anhydrite 2190' (+297)

STATE OF KANSAS)
)
 COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the ELLIOTT #2, SE SW NE, Section 31-6S-23W, Graham County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: *Jack L. Partridge*