

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

15-181-20044  
1-6-37W

WICHITA BRANCH  
**KANSAS DRILLERS LOG**

S. 1 T. 6S R. 37W E  
W  
Loc. C SE NW  
County Sherman

API No. 15 — 181 — 20044  
County Number

Operator  
Nielson Enterprises

Address Denver, Colo/  
Suite 1380 First of Denver Plaza 633 17th St.

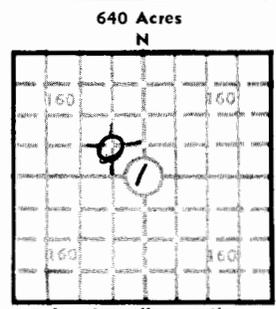
Well No. # 2 Lease Name Tovrea

Footage Location  
1980' feet from (N) ~~5~~ line 1980' feet from ~~5~~ (W) line

Principal Contractor Thunderbird Geologist Stanton Cox

Spud Date 10/28/78 Total Depth 4960 RTD P.B.T.D. -----

Date Completed 11/10/78 Oil Purchaser



Elev.: Gr. 3415  
DF 3417 KB 3420

**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		400'		300 sx	

**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
70 sx @ 1100', 20 sx @ 300', 10 sx @ 40',	
50/50 POZ w/6% gel	

**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	CFPB
	bbls.	MCF	bbls.		
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 Nielson Enterprises Inc.

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

Well No. 2

Lease Name Tovrea

D.H.

S 1 T 6S R 37 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 30/30/30/30 Rec 30' M w/ show O IHP 2347 FHP 2312 IF 43-43 FF 52-52 ISIP 1125 FSIP 986 BHT 116°	4534	4564	Anhydrite Topeka Heebner Lansing Base KC Marmaton	3093 4101 4236 4290 4572 4590
DST #2 45/45/30/30 Rec 70' M w/SSO IHP 2435 FHP 2382 IF 60-69 FF 86-95 ISIP 1332 FSIP 1246 BHT 115°	4605	33	Pawnee Cherokee Miss	4670 4724 4946
DST #3 30/30/30/30 Rec 20' M NS IHP 2435 FHP 2417 IF 43-43 FF-52-52 ISIP 156 FSIP 69 BHT 116°	4631	55		
DST #4 30/30/30/60 5' M-NS IHP 2452 FHP 2435 IF 26-26 FF 26-26 ISIP 26 FSIP 26 BHT 117°	4671	90	Great Guns R. A. Guard Log	
DST #5 45/45/45/60 Rec 30' WCM IHP 2400 FHP 2358 IF 34-52 FF 52-52 ISIP 1332 FSIP 1324 BHT 117°	4691	4715		

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

Date Received

*W. G. Richards*  
Signature

Exploration Mgr  
Title

28 Nov 78  
Date