

KANSAS DRILLERS LOG

API No. 15 — 135 — 21,441
County Number

S. 12 T. 20S R. 22W E W
 Loc. 150' NE of NW SE
 County Ness

Operator A. Scott Ritchie

Address Suite 950, 125 North Market, Wichita, Kansas 67202

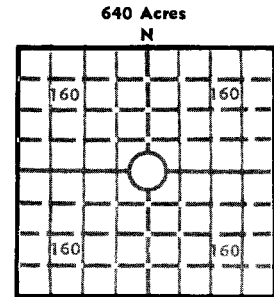
Well No. #1 Lease Name Wittman

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

Principal Contractor Strata Drilling Company Geologist Don Strong

Spud Date March 25, 1978 Total Depth 4388' P.B.T.D.

Date Completed April 2, 1978 Oil Purchaser Clear Creek



Locate well correctly
 Elev.: Gr. 2233'
 DF 2238' KB 2238'

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	12½"	8-5/8"	23#	355'	common	240	2% gel, 3% C.C.
Production	7-7/8"	5½"		4379'	60-40 pozmix	80	10% salt

LINER RECORD

PERFORATION RECORD

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

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 swabbed 4/29/78 Producing method (flowing, pumping, gas lift, etc.) pumping

RATE OF PRODUCTION PER 24 HOURS	Oil swabbed	Gas	Water	Gas-oil ratio
	<u>52 Bbls 8 hrs</u>	<u>8 hrs</u>	<u>8 hrs</u>	<u>8 hrs</u>

Disposition of gas (vented, used on lease or sold) -- Producing interval (s) Mississippian 4362'

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 **A. Scott Ritchie** DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
Oil

Well No. **1** Lease Name **Wittman**

S 12 T 20 S R 22 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
DST #1 4338'-4370' Rec. 15' slightly oil specked mud. IFP 69-46#/30"; ISIP 345#/30"; FFP 46-46#/30"; FSIP 230#/30".				
DST #2 4370'-4379' Rec. 10' slightly oil specked mud. IFP 43-43#/30"; ISIP 1221#/30"; FFP 43-43#/30"; FSIP 1157#/30".				
DST #3 4379'-4388' Rec. 1950' oil, no water. IFP 69-345#/30"; ISIP 1329#/45"; FFP 437-685#/45"; FSIP 1329#/60".				
			<u>ELECTRIC LOG TOPS</u>	
			Anh	1451' (+ 787)
			B/Anh	1476' (+ 762)
			Heeb	3728' (-1490)
			Lans	3772' (-1534)
			B/Kc	4114' (-1876)
			Ft. Sct.	4284' (-2046)
			Cherokee	
			Shale	4307' (-2069)
			Congl.	
			Shale	4338' (-2100)
			Miss	4362' (-2124)
			OTD	4386' (-2148)

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

Date Received	<div style="margin-bottom: 10px;"></div> <hr/> <div style="margin-bottom: 10px;">Geologist</div> <hr/> <div style="margin-bottom: 10px;">May 3, 1978</div> <hr/>
	<div style="margin-bottom: 10px;">Signature</div> <hr/> <div style="margin-bottom: 10px;">Title</div> <hr/> <div style="margin-bottom: 10px;">Date</div> <hr/>

D R I L L E R S L O G

#1 Wittman

CASING RECORD:
350' used 23#
8-5/8" surface
casing

COMPANY: A. Scott Ritchie
CONTRACTOR: Strata Drilling Company
COMMENCED: March 25, 1978
COMPLETED: April 2, 1978

DESCRIPTION: 150' NE
 Of NW SE
 Section 12-20S-22W
 Ness County, Kansas
ELEVATION: 2233' GL

TOTAL ROTARY
DEPTH: 4388'

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Post rock, shale	0	365	Ran 350' used 23# 8-5/8" surface casing, set and cemented @ 355' with 240 sacks common cement, 2% gel, 3% C.C.; cement circulated. Plug down at 3:30 a.m., March 26, 1978.
Shale, sand	365	1453	
Anhydrite	1453	1488	
Shale,	1488	2320	
Shale, Lime streaks	2320	2640	
Lime and shale	2640	4360	Ran 4 drill stem tests.
Lime	4360	4388	
			Ran 1 electric log.
			Ran 88 jts. used and 29 jts. new 5½" casing; set and cemented @ 4379' with 80 sacks 60-40 pozmix, 10% salt. Plug down at 12:30 a.m., April 2, 1978.

STATE OF KANSAS)
) ss
COUNTY OF BARTON)

I certify that this is a true and correct copy of the above log to the best of my knowledge.

STRATA DRILLING COMPANY
(Handwritten signature)