

P1  
P2

KANSAS P-1

**WELL COMPLETION REPORT AND DRILLER'S LOG**

*State Geological Survey*  
**WICHITA BRANCH**

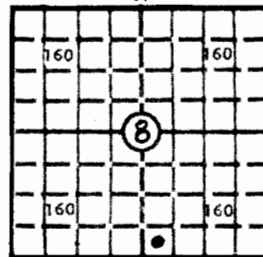
API No. 15 — 195 — 20,864  
County Number

S. 8 T. 11S R. 22 <sup>XX</sup> W

Loc. SW SW SE

County Trego

640 Acres  
N



Elev.: Gr. 2191'

DF \_\_\_\_\_ KB 2196'

Operator <u>A. Scott Ritchie</u>			
Address <u>125 N. Market, Suite 950 Wichita, Kansas 67202</u>			
Well No. <u>1</u>	Lease Name <u>Thornhill</u>		
Footage Location <u>330 feet from <del>XX</del> (S) line</u> <u>330 feet from <del>XX</del> (W) line</u>			
Principal Contractor <u>Murfin Drilling Company</u>		Geologist <u>Galen Babcock</u>	
Spud Date <u>8/06/81</u>	Date Completed <u>9/16/81</u>	Total Depth <u>3883'</u>	P.B.T.D. <u>3840'</u>
Directional Deviation		Oil and/or Gas Purchaser	

**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"	24#	208'	common quickset	175	
Production		4 1/2"	10.5#	3882'	60/40 poz	125	10% salt

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1	SSB	3772' - 3794'
			2	SSB	3644' - 3649'
			4	SSB	3519' - 3523'

**TUBING RECORD**

Size	Setting depth	Packer set at
2-3/8"	3835.5'	

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
Acidized w/500 gal. of 15% INS	3772' - 3794'
Acidized w/800 gal. 28% acid	3644' - 3649'
Acidized w/800 gal. 28% acid	3519' - 3523'

**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
		<u>60</u> bbls.	<u>none</u> MCF	<u>26%</u> bbls.	CFPB
Disposition of gas (vented, used on lease or sold)				Producing interval(s)	
				<u>3772' - 3794' ; 3644' - 3649' ; 3519' -</u>	

3523'

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, 245 No. Water, Wichita, Kansas 67202. 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.

04146

Date Received \_\_\_\_\_

Signature F. Judson Hipps

Title F. Judson Hipps, Geologist

Date 9/25/81

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1 3436'-3472' (Top zone). Recovered 248' of muddy water, few specks of oil. IFF: 66-77#/30"; ISIP: 963#/45"; IFF: 132-143#/30"; FSIP: 963#/45".				
DST #2 3470'-3508' (35' & 50' zones). Recovered 216' of muddy water with few specks of oil. IFF: 66-88#/30"; ISIP: 941#/45"; IFF: 132-143#/30"; FSIP: 941#/45".			Anhy B/Anhy 1690' (+ 506) 1645' (+ 551) 193' (- 997) 3403' (-1207) 3433' (-1237) 3445' (-1249) 3681' (-1485) Marmaton Arbuckle LTD	
DST #3 3508'-3529' (70' zone). Recovered 496' slightly mud cut gassy oil. IFF: 77-110#/30"; ISIP: 363#/30"; IFF: 176-187#/30"; FSIP: 374#/30".				
DST #4 3533'-3570' (90' & 100' zones). Recovered 1394' of slightly oil spotted salt water. IFF: 132-452#/30"; ISIP: 833#/30"; IFF: 528-637#/30"; FSIP: 833#/30".				
DST #5 3572'-3636' (140', 160', & 180' zones). Recovered 82' of muddy water, no show of oil. IFF: 77-77#/30"; ISIP: 1180#/45"; IFF: 88-88#/30"; FSIP: 1136#/45".				
DST #6 3632'-3690' (200' & 220' zones). Recovered 129' of mud. IFF: 99-99#/30"; ISIP: 1322#/45"; IFF: 121-121#/30"; FSIP: 1289#/45".				
DST #7 3774'-3825' (Marmaton). Recovered 120' gas in pipe and 70' of oil cut mud (30% oil). IFF: 77-77#/30"; ISIP: 1278#/60"; IFF: 88-88#/30"; FSIP: 1191#/60".				
DST #8 3865'-3873' (Arbuckle). Recovered 5' of mud. IFF: 44-44#/30"; ISIP: 44-44#/45"; IFF: 44-44#/30"; FSIP: 44-44#/45".				

Operator A. Scott Ritchie

Well No. 1

Lease Name Thornhill

S 8 T 11S R 22 W

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

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

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.

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

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# WELL LOG

State Geological Survey

WICHITA BRAND

COMPANY A. Scott Ritchie

SEC. 8 T. 11S R. 22W  
LOC. SW SW SE

SEP

FARM Thornhill NO. 1

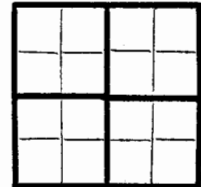
RIG. NO. 16

TOTAL DEPTH 3883'

COMM. 8-6-81

COMP. 8-16-81

COUNTY Trego  
KANSAS



CONTRACTOR Murfin Drilling Company

### CASING

20	10	
15	8	-5/8" @ 208 w/175 sx Common Quickset
12	6	
13	5	
	4 1/2"	@ 3882 w/125 sx 60-40 Poz, 10% Salt

ELEVATION 2191 GR

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Soil & Sand	50
Blue Shale & Chalk Rock	175
Blue Shale	209
Sand & Shale	1425
Shale	1648
Anhydrite	1691
Shale	2715
Shale & Lime	2920
Shale	3120
Shale & Lime	3529
Lime	3636
Lime & Shale	3873
Arbuckle	3883

RTD