

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

State Geological Survey

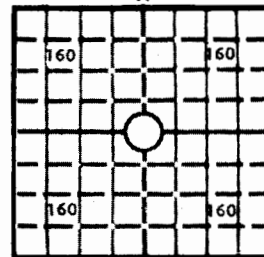
API No. 15 — 195 — 20,827 WICHITA BRANCH
County Number

S. 7 T. 11 S. R. 22 R W

Loc. C S/2 NW SE

County Trego

640 Acres



Locate well correctly

Elev.: Gr. 2216'

DF KB 2221'

Operator

A. Scott Ritchie

Address

125 N. Market, Suite 950 Wichita, Kansas 67202

Well No.

2

Lease Name

Buchholz "B"

Footage Location

990 feet from (N) (S) line

660

feet from (E) (W) line

Principal Contractor

Murfin Drilling Company

Geologist

Galen Babcock

Spud Date

6/03/81

Date Completed

8/17/81

Total Depth

3920'

P.B.T.D.

3874'

Directional Deviation

Oil and/or Gas Purchaser

Oil

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#	167'	common quickset	165	
production		4 1/2"		3909'	60/40 poz	150	10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	SSB	3900'-3906'
			1	SSB	3812'-3830'
			2	SSB	3529.5'-3534'
			2	SSB	3492'-3496'
			2	SSB	3576'-3578'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD 2 SSB 3545'-3550'

Amount and kind of material used	Depth interval treated
Acidized with 2000 gal. 15% INS	3900'-3906'
Acidized with 500 gal. 15% INS	3812'-3830'
Fracture treated with 500 gal. 15% MCA followed by gelled water injected at a rate of 21 barrels.	" "
Acidized with 1000 gal. 28% acid	3529.5'-3534'
Acidized with 800 gal. 28% demulsion.	90' zone
Acidized with 1000 gal. 28%	35', 50' & 90' zones

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
8/17/81		Swabbed (will be pumping)			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	40	bbls.	MCF	68%	bbls.
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
			Lansing-Kansas City & Marmat		

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.

Operator A. Scott Ritchie		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil	
Well No. 2	Lease Name Buchholz "B"		
S <u>7</u> T <u>11</u> S <u>R</u> <u>22</u> ^{RC} _W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
<u>DST #1</u> 3480'-3534' (top & 35' zones). Recovered 600' of heavy gassy oil cut mud to mud cut oil. IFP: 77-154#/30"; ISIP: 537#/30"; FFP: 208-252#/30"; FSIP: 515#/30". <u>DST #2</u> 3533'-3566' Recovered 30' of oil specked mud. IFP: 44-44#/30"; ISIP: 634#/30"; FFP: 55-55#/30"; FSIP: 580#/30'. <u>DST #3</u> 3572'-3605' Packer failure. <u>DST #4</u> 3563'-3605' (90' & 100' zones). Recovered 70' of slightly oil cut mud (20% oil). 120' of gas in pipe. IFP: 66-66#/30"; ISIP: 548#/45"; FFP: 66-66#/30"; FSIP: 482#/45". <u>DST #5</u> 3605'-3668' (140', 160', 180') Recovered 960' of water. IFP: 110-363#/30"; ISIP: 570#/30"; FFP: 395-417#/30"; FSIP: 580#/30". <u>DST #6</u> 3670'-3717' (200' & 220' zones). Recovered 360' of muddy water. IFP: 54-131#/30"; ISIP: 1206#/45"; FFP: 164-230#/30"; FSIP: 1142#/45". <u>DST #7</u> 3809'-3850' (Marmaton) Recovered 60' of gas and 61' of slightly oil cut mud (10% oil). <u>DST #8</u> 3899'-3909' Tool plugged. <u>DST #9</u> 3899'-3909' Tool plugged.			ELECTRIC LOG TOPS Anhy 1682' (+ 539) B/Anhy 1729' (+ 492) Topeka 3237' (-1016) Heebner 3452' (-1232) Toronto 3475' (-1254) Lansing 3490' (-1269) B/KC 3712' (-1491) Marmaton 3808' (-1587) Arbuckle 3896' (-1675) LTD 3911' (-1690)
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<i>F. Judson Hipps</i> Signature F. Judson Hipps, Geologist Title 8/25/81 Date		

94128

WELL LOG

State Geological Survey
WICHITA BRANCH

COMPANY A. Scott Ritchie

SEC. 7 T. 11S R. 22W

FARM Buchholz "B"

NO. 2

LOC.

C S/2 NW SE

RIG. NO. 16

TOTAL DEPTH 3909

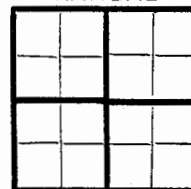
COUNTY

Trego
KANSAS

COMM. 6-3-81

COMP. 6-14-81

CONTRACTOR Murfin Drilling Co.



CASING

20 10
15 8-5/8" @ 167'
12 6
13 5
4 1/2" @ 3908

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand	65
Shale	168
Shale & Sand	370
Shale, Sand, Pyrite	1190 ✓
Sand & Shale	1681
Anhydrite	1742
Shale	2175
Shale & Lime	3552
Lime	3566
Shale & Lime	3800
Lime	3850
Shale & Lime RTD	3909

RECEIVED
STATE CORPORATION COMMISSION

JUL - 6 1981
CONSERVATION DIVISION
Wichita, Kansas