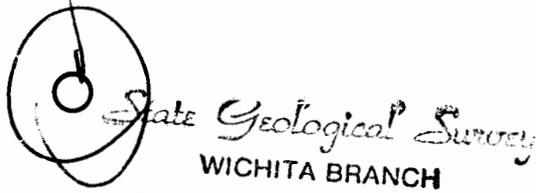


KANSAS DRILLERS LOG



S. 21 T. 10S R. 19 ~~W~~^E
 Loc. 1320' fWL & 330' fSL
 County Rooks

API No. 15 — 163 — 21,316
 County Number

Operator Murfin Drilling Company

Address 617 Union Center Bldg., Wichita, KS 67202

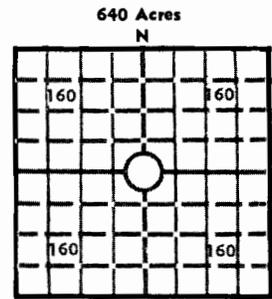
Well No. 3-21SWD Lease Name Dick Largent

Footage Location 330 feet from ~~N~~^E (S) line 1320 feet from ~~E~~^W (W) line

Principal Contractor Murfin Drilling Co. Geologist Roger Welty

Spud Date May 11, 1981 Total Depth 3805 3852' P.B.T.D. 3852'

Date Completed 5-21-81 Oil Purchaser _____



640 Acres
 Elev.: Gr. 2188
 DF 2191 KB 2193

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 3/4"	8-5/8	24#	280	Sunset	175	--
Production	7-7/8"	4 1/2	10.5	3804	50 sx Reg. 10% salt, 3/4% CFR-2, 200 sx 50-50 Poz. 2% gel 10% salt, 3/4% CFR-2 50 sx 50-50 Poz, 2% gel. 2% cc 10% salt 3/4% CFR-2 & 25 gal. Latex		

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
2 3/8"	3510'	----

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.) <u>Completed as a Salt Water Disposal</u>				
RATE OF PRODUCTION PER 24 HOURS	Oil ----	Gas -----	Water -----	Gas-oil ratio -----	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 Murfin Drilling Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 3-21 SWD	Lease Name Largent	Salt Water Disposal
S <u>21</u> T <u>10S</u> R <u>19xx</u> xx 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
Sand & Shale		1556	Anhydrite	1567 +626
Anhydrite		1770	B/Anhydrite	1598 +595
Shale		2575	Neva	2635 -442
Shale & Lime		3623	Topeka	3169 -976
Lime		3805	Heebner	3384 -1191
			Toronto	3411 -1218
			Lansing	3426 -1233
			BKC	3636 -1443
			Arbucket	3745 -1552
DST #1: 3423-3485'/45-45-45-45. Rec. 540' MW w/s show 0. FP 76/175-186-285# SIP: 1088-1045#.				
DST #2: 3564-3626'/45-45-45-45. Rec. 5' M. ISIP: 87# IFP: 43# FFP: 43# FSIP: 65#				
DST #3: 3674-3714'/30-30-30-30. Rec. 4' M. ISIP: 699 IFP: 54# FFP: 54# FSIP: 558#				
DST #4: 3732-3750'/30-30-30-30. Rec. 59' drlg. mud, 1' 0 (Heavy tarry 0). ISIP: 948# IFP: 32# FFP: 38# FSIP: 926#				

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

Date Received	<i>Wayne Johnston</i>
	Signature
	Wayne Johnston, Production Manager
	Title
	August 7, 1981
	Date

SHEEL

BT

State Geological Survey

P1

WELL LOG

WICHITA BRANCH

SEP

COMPANY Murfin Drilling Company

SEC. 21 T10S R. 19W
LOC. 1320' FWL & 330' FSL

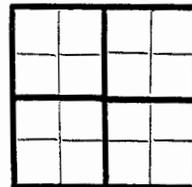
FARM Largent NO. 3-21

RIG. NO. 8

TOTAL DEPTH 3805'

COUNTY Rooks
KANSAS

COMM. 5-11-81 COMP. 5-21-81



CONTRACTOR Murfin Drilling Company

CASING

20 10
 15 8 -5/8 @ 278
 12 6
 13 5
 4 1/2" @ 3805

ELEVATION 2188 GR 2195 KB

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand & Shale	1556
Anhydrite	1770
Shale	2575
Shale & Lime	3623
Lime	3805