

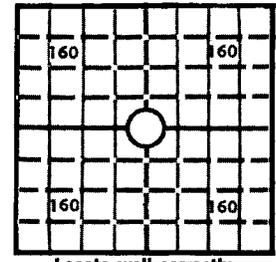
WICHITA BRANCH
KANSAS DRILLERS LOG

S. 20 T. 1s R. 35w ^{XX} W

Loc. SE SW

County Rawlins, Ks

640 Acres
N



Locate well correctly
Elev.: Gr. 3248' GL

DF _____ KB _____

API No. 15 _____
County _____ Number _____

Operator
Murfin Drilling Company

Address
617 Union Center, Wichita, Ks 67202

Well No. 2 Lease Name WILKINSON SWD

Footage Location
660 feet from (N) (S) line 1980 feet from (E) (W) line SW/4

Principal Contractor Rains & Williamson Geologist --

Spud Date 9/21/77 Total Depth 4475' P.B.T.D. 3145'

Date Completed 10/12/77 Oil 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#	224'	60/40 Poz	225	3% CaCl
Production	7 7/8"	4 1/2	9.5#	3145'	50/50 Poz Howco Lite	75 325	10# Gilsonite

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Super Dyna	3083-85, 3071-75, 3060-64, 3029-31, 3012-16, 2800-06'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8" EUE	2500.29'	2500'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
None	

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

Well No. 2 Lease Name WILKINSON

S 20 T 1 S 25 W 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
Sand, rock		225		
shale, sand		3130		
shale, shells		3400	Anhy	3129 +128
shale		3745	Oread	4072 -815
shale, lime		4275	LKC	4196 -939
lime		4310	BKC	4396 -1139
lime, shale		4475	LTD	4480
RTD		4475		
DST #1: 4030-78/30-30-30-60, st bl air NGTS, rec. 1645' SW, 1278-91-762-1278#.				
DST #2: 4200-65/30-30-60-60, NGTS, 450 GIP, 150' GO, 120' MO & 1330' MSW, 1132-91-748-1150#.				
DST #3: 4288-4310/30-30-60-60, wk bl throughout, 130' MW, 1260-55-91-1260#.				
DST #4: 4340-4405/30-30-60-60, vy wk bl, 180' M, 1095-55-146-1095#.				
Int. to Drill was filed under Mack Oil Company				
This well was completed for the purpose of salt water disposal, after Murfin Drilling took over operations.				

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

Date Received _____


 Signature
 Wm. S. Shropshire, Asst. General Manager
 Title
 Dec. 2, 1977
 Date

15-173-20287

*Murfin took over operations @ 9:30 a.m. 10-1-77 and completed this

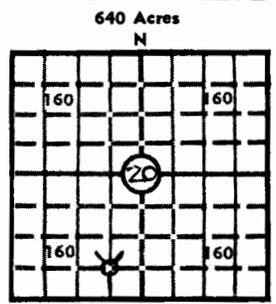
20-1-35W

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

S. 20 T. 1 R. 35 E
W

Loc. C SE SW

County Rawlins



Elev.: Gr. 3248'

DF _____ KB 3257'

API No. 15 — 153 — 20,300
County Number

Operator
Mack Oil Company & Murfin Drilling Co.*

Address
908 Union Center Wichita, Kansas 67202

Well No. #1 Lease Name Wilkinson (Murfin's #2 Wilkinson SWDW)

Footage Location
660 feet from (N) (S) line 660 feet from (E) (W) line of SW/4

Principal Contractor Rains & Williamson Geologist Earl Moore

Spud Date 9-21-77 Total Depth 4475' P.B.T.D. 3145'

Date Completed 10-1-77 Oil Purchaser none

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"	28#	224'	60-40 pozmix	225	3% CC
production		4 1/2"	9 1/2#	3145'	common	395	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	super dyna	3083-85
			4	jets	3071-75
			4	"	3060-64 & 3012-16
			4	"	3029-31 & 2800-06

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
28 bbls. of lse water w/Visco 1152 chemical	same as perforations above

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	
	bbls.	MCF	bbls.	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

Mack Oil Co. & Murfin Drilling Co.

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

SWDW

Well No.

1

Lease Name

Wilkinson (Murfin's #2 Wilkinson SWDW)

s20 T1S R 35W^{EX} 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 & Rock		225	Rad. Guard	0'-4472'
Shale & Sand		1225	CAVL	3500'-4477'
Sand & Shale		2309		
Shale & Sand		2561	Anhydrite	3129 (+ 128)
Sand & Shale		2832	Oread	4072 (- 815)
Shale & Sand		3130	Lansing	4196 (- 939)
Shale & Shells		3400	B/KC	4396 (-1139)
Shale		3745	LTD	4480
Shale & Lime		4046		
Lime & Shale		4224		
Shale & Lime		4265		
Lime & Shale		4275		
Lime		4310		
Lime & Shale		4475		
		RTD		
DST #1 4030-78 30"-30"-30"-60"				
Rec. 1645' SW, BHP's 1278-1278#				
FP's 91-762#				
DST #2 4200-65 30"-30"-60"-60"				
Rec. 450' GIP, 150' GO, 120' MO &				
1330' MSW, BHP's 1132-1150# FP's 91-748#				
DST #3 4288-4310 30"-30"-60"-60"				
Rec. 130' MW, BHP's 1260-1260# FP's 55-91#				
DST #4 4340-4405 30"-30"-60"-60"				
Rec. 180' M, BHP's 1095-1095# FP's 55-146#				

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

Date Received

Nancy Sargent
Signature

Secretary

Title

11-10-77

Date

DRILLER'S LOG

#28WID
20-1-35W
Ind
P

COMPANY: *Mack Oil Co.

SEC. 20 T. 1S R. 35W

WELL NAME: #1 Wilkinson

LOC. C SE SW

COUNTY: Rawlins

RIG NO. #1

TOTAL DEPTH 4475'

ELEVATION 3248' GL

COMMENCED: 9-21-77

COMPLETED: 10-1-77

CONTRACTOR: Rains & Williamson Oil Co., Inc.

CASING RECORD:

SURFACE: 8 5/8" @ 224' w/225 sx. 60/40 poz., 3% cc.

PRODUCTION: 4 1/2" @ 3145' w/320 sx. Lite and 75 sx. 50/50 poz., 10% sal and 3/4 of 1% CFR2.

LOG

(Figures Indicate Bottom of Formations)

Sand & Rock	225
Shale & Sand	1225
Sand & Shale	2309
Shale & Sand	2561
Sand & Shale	2832
Shale & Sand	3130
Shale & Shells	3400
Shale	3745
Shale & Lime	4046
Lime & Shale	4224
Shale & Lime	4265
Lime & Shale	4275
Lime	4310
Lime & Shale	4475
<u>ROTARY TOTAL DEPTH</u>	<u>4475</u>

NOG 1 + 1996
KANSAS GEOLOGICAL SURVEY
WILLIAMSON BRANCH

STATE OF Kansas)

COUNTY OF Sedgwick)

SS:

Wilson Rains President

of

Rains & Williamson Oil Co., Inc.