

State Geological Survey  
KANSAS BRANCH  
DRILLERS LOG

**IMPORTANT**  
Kans. Geo. Survey request  
samples on this well.

S. 15 T. 11 R. 32 <sup>W</sup>  
Loc. N2 NE NW  
County Logan

API No. 15 — 109 — 20,031  
County Number

Operator  
Murfin Drilling Co.

Address 617 Union Center Wichita, Kansas 67202

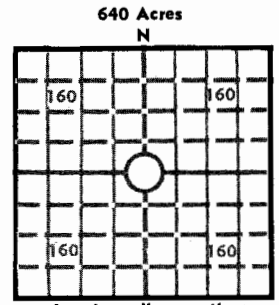
Well No. #1 Lease Name Sharp

Footage Location  
350 feet from (N) ~~(S)~~ line 660 feet from (E) ~~(W)~~ line NW/4

Principal Contractor Murfin Drilling Company Geologist Roger Welty

Spud Date 9-22-74 Total Depth 4697' P.B.T.D. 4403'

Date Completed 11-4-74 Oil Purchaser Koch Oil Company



Elev.: Gr. 3052  
DF \_\_\_\_\_ KB 3057

**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#	254'		250	
Production	7 7/8"	5 1/2"	14#	4697'		285	

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Bullets & Jets	4366-70
			2	Bullets & Jets	4326-30
			4	Jumbo	4326-30
			2	Bullets & Jumbo	4294-4304
			2	Bullets & Jumbo	4263-67

**TUBING RECORD**

Size	Setting depth	Packer set at
2"	4420.20'	

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

Amount and kind of material used	Depth interval (or treated)
250 gal SME mud acid	4366-70
1000 gal 15% SR-3 acid	4326-30
500 gal SME 20% acid	4326-30
250 gal SME mud acid, 1750 gal SS20, 400# gal DA-50 plugging agent	4294-4304
250 gal SME mud acid, 750 gal SS 20	4263-67
250 gal SME mud acid, 1500 gal SS 20, 150# gal DA-50	4242-49
1000 gal SS 20	4212-16

Date of first production 11-17-74 Producing method (flowing, pumping, gas lift, etc.) Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	<u>100</u> bbls.		<u>MCF</u>	<u>bbls.</u> CFPB

Disposition of gas (vented, used on lease or sold) \_\_\_\_\_ Producing interval (s) See above

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. 1	Lease Name Sharp	Oil
S 15 T 11S R 32 <del>EX</del> W		

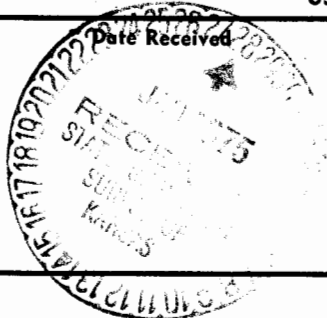
### WELL LOG

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
Surface soil	0	40	Anhydrite	2565
Shale & sand	40	75	Heebner	4014
Surface soil & sand	75	205	Toronto	4031
Shale	205	1755	Lansing	4056
Shale & sand	1755	2310	Base KC	4340
Anhydrite	2310	2571	Pawnee	4470
Shale	2571	3165	Cherokee	4567
Lime & shale	3165	4018	Mississippi	4690
Lime	4018	4690	LTD	4698
Lime & shale	4690	4697		
TD	4697			
DST #1: 4102-55/30-30-30-30. Rec 490' MW. SIP 1221-1200#, FP 87-216#				
DST #2: 4196-4260/30-30-30-30. GTS 42 min. Rec 180' VHOGCM, 1590' GO. SIP 1051-1040#, FP 141-668#. 40° gravity				
DST #3: 4251-4320/30-30-30-30. Strong blow. Rec 1680' Gas, 1260' GO, 90' MO. SIP 615-615#, FP 238-594#				
DST #4: 4316-80/30-30-30-30. Good blow. Rec 40' SOGCM, 120' HOGCM, 500' MGO, 120' CO. SIP 1221-1219#, FP 87-433#				

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



*James R. Daniels*  
Signature

JAMES R. DANIELS, General Manager

Title

January 8, 1975

Date

568001