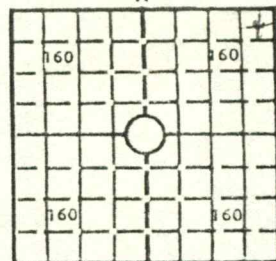


KANSAS DRILLERS LOG

S. 19 T. 12S R. 20^{XX}W

Loc. NE NE NE

County Ellis

640 Acres
NLocate well correctly
2265'

Elev.: Gr.

DF KB 2270'

API No. 15 -051 — 21,450
County Number

Operator

A. Scott Ritchie

Address

Suite 950 - 125 N. Market; Wichita, Ks. 67202

Well No.

2

Lease Name

Augustine

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Murfin Drilling Co.

Geologist

Don Strong

Spud Date

3/04/78

Total Depth

3970'

P.B.T.D.

Date Completed

3/14/78

Oil Purchaser

none

Casing Record

40'
150'
1140'
1355'
1650'
1701'
2360'
3348'
3970'Surface soil
Slay & Sand
Shale
Sand
Shale - Red Bed
Anhydrite
Shale
Shale & Lime
Lime

RTD

A. SCOTT RITCHIE
SUITE 950, 125 N. MARKET #2 AUGUSTINE
WICHITA, KS.
CONTR MURFIN DRLG. CO. CTY ELLIS19-12-20W
NE NE NE

GEOL FIELD ERBERT

E 2270 KB CM 3/4/78 CARD ISSUED 3/30/78 IF D&A/CONG 3/14/78

API 15-051-21,450

SMP	TOPS	DEPTH	DATUM
ANH	1650	+ 620	
B ANH	1701	+ 569	
TOP	3312	-1042	
HEEB	3540	-1270	
TOR	3561	-1291	
LANS	3576	-1306	
BKC	3826	-1556	
MARM	3823	-1603	
CONG	3937	-1667	
RTD	3970	-1700	

INDEPENDENT OIL & GAS SERVICE
WICHITA, KANSAS8-5/8" 202/160sx
NO LOG
DST (1) 3332-3348/30-30-60-45, 1085'SW
SIP 1118-1096#, FP 68-250#, 329-566#
DST (2) 3546-3575/30-30-20-20, 5'DM
SIP 102-68#, 57-57#
DST (3) 3567-3600/30-30-30-30, 5'M,
SIP 79-68#, FP 56-56#
DST (4) 3597-3658/30-30-30-45, 1000'W
SIP 1118-1107#, FP 114-386#, 454-566#
DST (5) 3573-3806/30-30-30-30, 5'M,
SIP 79-75#, FP 68-68#

State of KANSAS

County of SEDGWICK

ss:

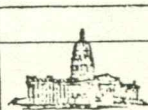
I, Wm. S. Shropshire of the Murfin Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the Augustine #2 well.

Wm. S. Shropshire, Asst. Gen. Mgr.

Subscribed and sworn to before me this 24th day of March 19 78

My Commission Expires:

SANDRA KAY MAY
NOTARY PUBLIC
Butler County, Kansas
My Appt. Exp. 6-5-80

NOTARY PUBLIC

Sandra Kay May