DRILLER'S LOG

FARM NAME: HAINES # 1

CONTRACTOR: Shawver Armour, Inc.

OWNER: Shawver Armour, Inc.
Beardmore Drilling Co.

COMMENCED: June 1, 1966

LOCATION: E/2 SE SE 36-30-2W
Sumner County, Ks

ELEVATION: 1312 KB

COMPLETED: June 23, 1966
(Rig down 9 days for repairs)

CASING RECORD: Set 430' 8 5/8" w/300 sx cement &
Set 5½" @ 3736' w/75 sx cement

FORMATION:	
Shale & Lime	390
Anhydrite	430
Lime & Shale	530
Shale & Lime	1315
Lime & Shale	1775
Shale & Lime	2200
Lime & Shale	2720
Shale & Lime	2775
Sand & Shale	2875
Shale & Lime	2963
Lime & Shale	3040
Shale	3075
Lime	3198
Lime & Shale	3225
Lime	3349
Lime & Shale	3552
Shale & Lime	3667
Shale	3724
Lime	3734
Core # 1	3752
Rotary Total Depth	3752

TOPS	
Stalnaker	2775'
Kansas City	3075'
Mississippi Chert	3724'
Mississippi Lime	3733'

STATE OF KANSAS)
) ss
SEDGWICK COUNTY)

I, James M. Armour, do hereby certify that the above log is a true and correct copy of the above captioned well as shown on the daily drilling reports.

SHAWVER ARMOUR, INC.

BY James M. Armour
James M. Armour

Subscribed and sworn to before me this 27th day of June, 1966.

My commission expires Dec 10, 1967

Claire Jones
Claire Jones, Notary Public