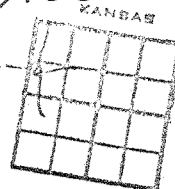


API# 15-077-20, 160

1-33-8W
NWSWNW



D&A

L

DRILLERS' LOG

T.L. Fenier, Et al

PATRICK OIL & ROYALTY CO., INC.

No. 1 Holland

NW SW NW, Sec. 1-33S-8W

Harper County, Kansas

Elev: 1392 K.B.

Commenced: 8-16-72

Completed: 9-2-72

Surface: 204' of 8-5/8"
cemented w/160 sx cement,
38cc. 8-17-72

FORMATION

DEPTH

Surface Hole	0 - 210
Shale	210 - 1287
Lime & Shale	1287 - 3581
Shale	3581 - 3589
Shale & Lime	3589 - 3754
Shale	3754 - 3760
Sand	3760 - 3785
Shale & Lime	3785 - 3948
Lime	3948 - 4047
Lime & Shale	4047 - 4152
Lime	4152 - 4767
Lime & Shale	4767 - 4861
Lime	4861 - 4892
Lime & Shale	4892 - 4905
Sand	4905 - 4914 T.D.

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

D N B DRILLING, INC.

James L. Donelson
JAMES L. DONELSON

STATE OF KANSAS: ss:

Subscribed and sworn to before me, the undersigned, a Notary Public in and for said state, this 5th day of September, 1972.

My Commission Expires:
August 25, 1976

Ella Priess
Ella Priess, Notary Public

LOG TOPS	
HEEB	3372
LAT	3692
STAL	3748
KC	3842
BKC	4162
CONG	4468
MISS	4474
KIND	4768
MISN	4852
VIOLA	4856
SIMP SH	4900
SIMP DOL	4904
SIMP SD	4908
LTD & RTD	4914

