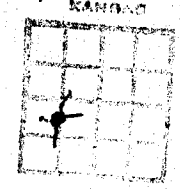


KANSAS GEOLOGICAL SURVEY
508 EAST 10TH AVE
KANSAS CITY, MO 64106
JUL 14 1973

1-33-3E
c/s/p NW SW
KANSAS


DRILLERS' LOG

API #15-035-20,548

CREST PETROLEUM, INC.
No. 2 Shale
SW NW SW, Sec. 1-33S-3E
Cowley County, Kansas

Elevation: 1175 K.B.

Commenced: 2-7-73
Completed: 8-12-73

Surface Casing: 260' of 3-5/8"
cemented w/175 sx cement, 3% cc.
8-7-73

FORMATION

DEPTH

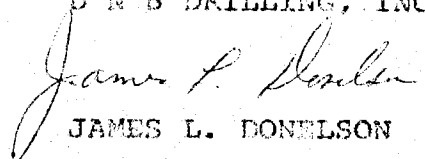
Surface Hole	0 - 268
Shale	268 - 698
Shale & Lime	698 - 2170
Shale & Sand	2170 - 2395
Shale & Lime	2395 - 2795
Lime & Shale	2795 - 2933
Shale & Lime	2933 - 3072
Lime & Shale	3072 - 3208
Shale & Lime	3208 - 3283
Chert & Lime	3283 - 3298 T.D.

SAM TOPS

IATAN	2157
STAL	2198
LAY	2613
KC	2781
MARM	2968
CHER	3086
BART	3272
MISS	3283
TD	3298

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

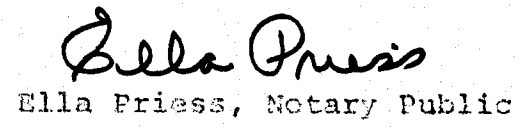
D N B DRILLING, INC.


JAMES L. DONELSON

STATE OF KANSAS: ss:

Subscribed and sworn to before me, the undersigned, a Notary Public in and for said state, this 15th day of August, 1973.

My Commission Expires:
August 25, 1976


Ella Priess, Notary Public

