

DRILLER'S LOG

BILL J. DUTTON OIL CO.
No. 1 Newberry 'B'
NW SW NE Sec 35-31S-9W
Harper Co., Ks.

Commenced: 10-10-78
Completed: 10-17-78

Surface Casing: 210' of 8-5/8"
cemented w/175 sx common, 2% gel,
3% cc 10-10-78

FORMATION

DEPTH

Surface Hole	0 - 212
Shale	212 - 605
Shale & Sand	605 - 1196
Sand & Shale	1196 - 1660
Lime & Shale	1660 - 1998
Shale & Lime	1998 - 2575
Lime & Shale	2575 - 2846
Lime, Shale & Sand	2846 - 3170
Lime & Shale	3170 - 3445
Shale & Lime	3445 - 3565
Sand & Lime	3565 - 3725
Shale, Lime & Sand	3725 - 3876
Lime & Shale	3876 - 4353
Shale & Lime	4353 - 4480 RTD

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.

Ella Priess

Ella Priess

STATE OF KANSAS: ss:

Subscribed and sworn to before me this 18th day of October, 1978.

Dorothy L. Schmidt

Dorothy L. Schmidt, Notary Public



GEOLOGICAL REPORT

Contractor: DNB. Drilling, Inc.
 Commenced: Oct. 10, 1978
 Completed: Oct. 16, 1978

Dutton Oil Co. Newberry "B"-1
 NW SW NE Sec. 35-31-9 W.
 Harper County, Kansas

Gentlemen:

Following is the geological report on the above captioned well. Samples were examined from 3650 feet to total depth. Measurements were taken from the Kelly Bushing.

Elevation: 1602' KB. 1597' GL.
 Surface Pipe; 8 5/8" @ 212 feet with 175 sacks.
 Production Pipe: 5 1/2" @ 4478 feet with 125 sacks.
 Drillstem Tests: None
 Electric Logs: None.

Formation Summary

Lansing -----	3673 (-2071)
Kansas City -----	3944 (-2342)
Stark Shale -----	4113 (-2511)
Base-Kansas City -----	4213 (-2611)
Cherokee -----	4338 (-2736)
Mississippian -----	4412 (-2810)
Total Depth -----	4480 (-2878)

Sample DescriptionsLansing-Kansas City

3673 - 4213 Numerous zones of porosity were encountered in this series of limestones, no shows were observed.

Mississippian

4412 - 4419 Chert; white, fresh to weathered and partly tripolitic, fair pinpoint porosity, spotted staining and light saturation, slight show of free oil.

4419 - 4430 Chert; as above, becoming more weathered and tripolitic, fair to good porosity, fair show of free oil, faint odor.

Rotary Total Depth 4480 feet.

Production pipe was set and cemented two feet off bottom @ 4478'

Very truly yours,

Lee Paulsen

Refer to about 4415 to 4417'

Depth well 4478'

St. Louis

101 cement

4474

2775

Casing

5 1/2 -

Cement 10% salt