

DRILLERS LOG

Wichita Iron & Metals Corp.
 NO. 4 HAMANT "B"
 NW/4 Sec. 14-T26S-R2E
 Sedgwick County, Kansas

Commenced: 6-30-82
 Completed: 7-10-82

Surface Casing: 209' of 8-5/8"
 Cement w/150 sx., 3% Cal., 2% Gel

<u>Formation</u>	<u>Depth</u>
Surface	0 - 219
Shale	219 - 284
Shale & Lime	284 - 1262
Lime & Shale	1262 - 1754
Shale & Lime	1754 - 1902
Lime w/Shale	1902 - 2148
Lime & Shale	2148 - 2409
Lime	2409 - 2514
Lime & Shale	2514 - 2649
Shale & Lime	2649 - 2857
Mississippi	2857 - 2882
Lime & Chert	2882 - 3005
Lime	3005 - 3065
Shale	3065 - 3164
Hunton	3164 - 3165
Shale & Lime	3165 - 3215
Simpson Sand	3215 - 3258
Shale	3258 - 3299
Arbuckle	3299 - 3425 T.D.

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

R. R. A., Inc.

R.R. Abderhalden
 By: R. R. Abderhalden

STATE OF KANSAS:

Subscribed and sworn to before me this 12th day of July 1982.



Ada C. May
 Notary Public