

3-2-27W

*Pi*  
Computer inventoried



Landmark Square  
212 N. Market, Suite 308  
Wichita, KS 67202

Off: (316) 264-7464

★ State Geological Survey  
WICHITA BRANCH

HOUSTON HYDROLANCE ★  
INTERNATIONAL, INC.  
1550' FSL 1550' FEL  
3-T2S-R27W  
Decatur Co., Ks.

**RELEASED**  
Date: SEP 1 1984  
FROM CONFIDENTIAL

#2 Macfer

RECEIVED  
STATE CORPORATION COMMISSION  
SEP 11 1984  
CONSERVATION DIVISION  
Wichita, Kansas

CONFIDENTIAL

WELL DATA

3 2 27w

Operator- Houston Hydrolance International, Inc. #8684  
 Well- # 2 Macfee API # 15-039-20,695  
 Location- 1550' FSL 1550' FEL 3-2s-27w Decatur, Co.,  
 Contractor- Stoepfelwerth Drilling Co.  
 Tool Pusher- Jack Lowery  
 Geologist- D. V. Davis Jr.  
 Elevation- GL 2605' KB 2610'  
 Spud- 8-1-83  
 Surface Casing- 253' 8-5/8" @ 258' w/200 sxs.  
 Commenced- 8-2-83  
 Bit Size- 7-7/8"  
 Completed- 8-9-83  
 RTD/LTD- 3855'/3855'  
 Mud- Davis Mud & Chemical Co.  
 Testing- Halliburton Services  
 Coring- Vinson Diamond Coring Co., Inc.  
 Logging- Schlumberger Well Services  
 Samples- K.G.S. Well Sample Library  
 Status- Run 4-1/2" Production Casing

CHRONOLOGICAL DATA

3-1-83 0000 Moved on; Spud; Set Surface Casing  
 8-2-83 0263 WOC; Lost Circulation (Dakota)  
 8-3-83 1600 Drilling Ahead; Bit Trip @ 2137'  
 8-4-83 2825 " " " " " 2888'; Geologist  
 8-5-83 3281 CFS @ 3410 @ 3470 @ 3505 @ 3545  
 8-6-83 3570 CFS @ 3580 @ 3610; Short Trip @ 3610; Coring  
 8-7-83 3638 Coring; DST #1; CFS @ 3660  
 8-8-83 3660 CFS @ 3822 @ 3855; Short Trip; Logging  
 8-9-83 3855 Logging; Run Prod. Casing

Pi

FORMATION TOPS

3-2-27w  
2 Macfee

| <u>Formation</u>      | <u>Log</u> | <u>Datum</u> | <u>Sample</u> |
|-----------------------|------------|--------------|---------------|
| Stone Coral           | 2120       | +490         |               |
| Topeka Ls.            | 3245       | -635         | 3245          |
| Deer Creek Ls.        | 3290       | -680         | 3292          |
| LeCompton Ls.         | 3358       | -748         | 3359          |
| Oread Ls.             | 3392       | -782         | 3394          |
| Heebner Sh.           | 3410       | -800         | 3408          |
| Toronto Ls.           | 3444       | -834         | 3443          |
| Lansing Group Stanton | 3454       | -844         | 3451          |
| Plattsburg Ls.        | 3478       | -868         | 3478          |
| KC Wyandotte Ls.      | 3525       | -915         | 3526          |
| Iola Ls.              | 3555       | -945         | 3556          |
| Drum Ls.              | 3596       | -986         | 3598          |
| Swope Ls.             | 3616       | -1006        | 3620          |
| Hertha Ls.            | 3638       | -1028        | 3641          |
| Base Kansas City Gp.  | 3650       | -1040        | 3650          |
| Marmaton Group        | 3663       | -1053        | 3664          |
| Cherokee Cong. Sand   | 3775       | -1165        | 3775          |
| Granite Wash          |            | -1236        | 3846          |

TESTS

# 1 3605-3638 Swope Ls. 30"-60"-60"-90"  
 IHP 1793# FHP 1783# BHT 100 F  
 IFP 42-145# Weak inc. to Strong  
 FFP 156-202# " " " Moderate  
 ISIP 311# FSIP 311#  
 Rec.-15' GFO; 390' GSW

GEOLOGICAL COMMENTS

3-2-27w  
2 Macfee

The Lansing Group (Stanton Limestone) log top was chosen at 3454 (-844). This would be 3 feet high to the #1 Macfee. Samples were cream to tan finely crystalline limestone, with poor to fair, oolitic and inter-crystalline porosities. There were no shows.

The Plattsburg Limestone log top was chosen at 3478 (-868). This would be 3 feet high to the # 1 Macfee. Samples were cream to tan, finely crystalline limestone, with poor to fair, solution pinpoint and inter-crystalline porosities. There was a light brown staining and a very poor trace of free oil.

The Swope limestone log top was chosen at 3616 (-1006). This would be 4 feet high to the # 1 Macfee. This section was cored and the upper 4½' had good oolitic and inter-crystalline porosities with bleeding oil. See results of DST # 1.

The Cherokee Conglomerate Sand log top was chosen at 3775 (-1165). This would be 6 feet high to the # 1 Macfee. Samples were light grey to clear, quartz, slightly calcareous, and slightly shaley, siltstone and fine-grained sandstone. There was no visible to poor inter-granular porosity, with a dark oil residue. There was no free oil.

The Granite Wash sample top was chosen at 3846 (-1236). This would be flat to the #1 Macfee. There were no shows.

Sincerely,

*Log*  
Douglas V. Davis Jr.