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GEOLOGIST

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WICHITA, KANSAS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY HAWKINS OIL & GAS
 LEASE NO. 1 ANDERSON-A
 FIELD AUGUSTA N
 LOCATION E/2 W/2 NESE
 SEC. 9 TWSP. 27S RNG. 4E
 COUNTY BUTLER STATE KS

ELEVATIONS

K.B. 1240
 D.F. 1238
 G.L. 1235
 Measurements Are All
 From KB

CONTRACTOR WHITE & ELLIS DRILL
 SPUD W/ Spudder COMP. 4-27-78
 RTD 2415 LTD _____
 MUD UP 1850' TYPE MUD CHEM

CASING
 SURFACE 8 5/8" - 264'
 PRODUCTION 5 1/2" - 2474'

ELECTRICAL SURVEYS

SAMPLES SAVED FROM 1600 TO TD
 DRILLING TIME KEPT FROM 1600 TO TD
 SAMPLES EXAMINED FROM 1600 TO TD
 GEOLOGICAL SUPERVISION FROM 1900 TO TD
 GEOLOGIST ON WELL Wing

FORMATION TOPS	LOG	SAMPLES
LANSING		1664 (- 424)
B. LANSING		1820 (- 580)
KANSAS CITY		1971 (- 731)
B. KANSAS CITY		2157 (- 917)
MARSHTON		2203 (- 963)
CHEROKEE		2311 (- 1070)
SIMPSON (DEBINA)		2364 (- 1124)
ARBUCKLE		2369 (- 1129)

LANGFORD
 TO David Langford 425 STATE ST. 67010