GEOLOGICAL REPORT

DRILLING TIME — SAMPLE LOG

COMPANY K. BROWN ENTERPRISES
LEASE No. 12 SRGA
LOCATION Approx. SE NW-NW
SECTION 5 TOWNSHIP 11 s RANGE 18 w
COUNTY Ellis STATE Kansas
FIELD Richards

ELEVATIONS: KB 2067; DF 2065; GL 2062
MEASUREMENT FROM KB

CASING RECORD: 174 ft 8 5/8"; 3583 ft 5 1/2" w/150 sx

ELECTRICAL SURVEYS: none

DRILL STEM TESTS: none

CONTRACTOR Dreiling Oil, Inc. Rig 3.
COMM 2-7-84 COMP 2-11-84
ROTARY TOTAL DEPTH 3585-1518
LOG TOTAL DEPTH
SAMPLES SAVED FROM 3000 TO 3585
DRILLING TIME FROM 3000 TO 3585
SUPERVISION FROM 3200 TO 3585
MUD TYPE Starch PROP Lons.
WELL SITE GEOLOGIST

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	DATUM	LOG	DATUM	A	B	C	D
Topeka	3049	-982			-1	-1		
Toronto	3069	-982			-1	-1		
Deer Creek	3121	-1034			-1	-1		
Lansing-Kansas City	3312	-1225			-1242	-1245		
Base Kansas City	3548	-1461			-1470	-1461		

MAR 9 1984
WICHITA, KANSAS

RECEIVED
STATE CORPORATION COMMISSION
MAR 12 1984
CONSERVATION DIVISION

REFERENCE WELLS FOR STRUCTURAL POSITION

A Brown	No. 10 SRGA	SW NE NW	Sec. 5-11 S-18 W	K
B NCRA	No. 1 Cleve	C NW		K

Lawrence F. Gray
Petroleum Geologist
1728 NOTTINGHAM CT WICHITA, KANSAS, 67204
PHONE AC 316 838-7295

DRILL PENETRATION

No.	Date	Depth
7.	2/7 9:45	
8.	2/8	1456 Pm at 7:00 AM
9.	2/9	2454
10.	2/10	3383
11.	2/11	3500

BIT RECORD

No.	Size	Make	Type	Depth In	Depth Out	Feet	Hours
1	12 1/4"		RT	176'	176'	2	
2	7 7/8"		RT	1216'	1030'	7 1/2	
3	"		RT	1706'	506'	6 1/2	
3	"	Smith	F-27	3585	1879'	66 1/2	

ROTARY MEASUREMENTS

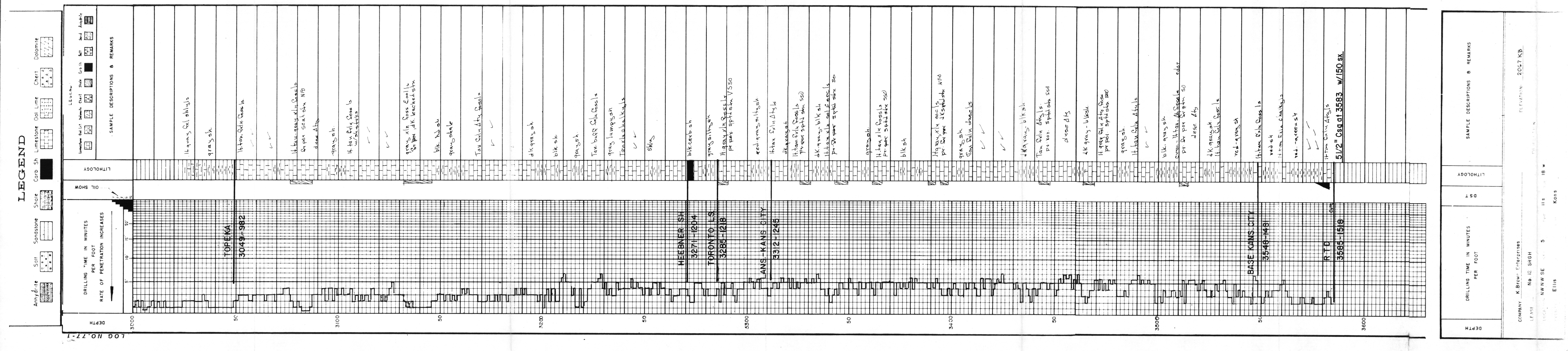
	Depth	Description of Chips	Ft. Recovered
TORONTO	3245-50	Lt. gray, sh., fine, ls. pr. por., spfd. sh., VSO	
LANSING "A"	3326-31	Lt. tan, fain, foss. ls. pr. por., spfd. sh., SSO	
"B"	3343-48	Lt. tan, sh., col. & ool. ls. pr.-fr. por., spfd. sh., SSO	
"C"	3361-66	Lt. tan, sh., foss. ls. pr. por., spfd. sh., SSO	
"H"	3442-47	Tan, fain, sl. foss., cherty ls. pr. por., spfd. sh., SSO	
"K"	3466-69	Lt. gray, fain, foss., cherty ls. pr. por., fr. sh., SO, odor	
	3510-15	Lt. tan, foss., fain., cherty ls. pr.-fr. por., fr. sh., SO, odor	

DRILL STEM TESTS

No.	Interval	Testing	Shut-in	Initial Op.	Final Op.	Shut-in	Open Min.	Recovery

REMARKS & RECOMMENDATIONS: Due to the structural position and the sample analysis, it was decided that casing be set for further testing. The following zones should be perforated & tested: 3285-91; 3326-31; 3343-48; 3361-66; 3442-47; 3466-69; 3510-15.

Lawrence F. Gray



SAMPLE DESCRIPTIONS & REMARKS

LITHOLOGY

OIL SHOW

DRILLING TIME IN MINUTES PER FOOT

DEPTH

COMPANY K. Brown Enterprises
LEASE No. 12 SRGA
LOCATION SW NW NW
SECTION 5 TOWNSHIP 11 S RANGE 18 W
COUNTY Ellis STATE Kansas
FIELD Richards
ELEVATION 2062 KB