GEOLOGICAL REPORT

DRILLING TIME | SAMPLE LOG

COMPANY: K. BROWN ENTERPRISES
LEASE: No. 11 SRGA
LOCATION: 110 N of E/2 NE NW
SECTION: 5 TOWNSHIP: 11s RANGE: 18 w
COUNTY: Ellis STATE: Kansas
FIELD: Richards

ELEVATIONS: KB 2082, DF 2079, GL 2077
MEASUREMENT FROM: KB

CASING RECORD: 174 ft 8 5/8", 3584 ft 5 1/2"

CONTRACTOR: Dreiling Oil, Inc. Rig 3
COMM. 1-31-84 COMP. 2-6-84
ROTARY TOTAL DEPTH: 3594-1512
LOG TOTAL DEPTH: 3593-1513
SAMPLES SAVED FROM: 3000 TO 3594
DRILLING TIME FROM: 3000 TO 3594
SUPERVISION FROM: 3300 TO 3594
MUD TYPE: Chrch PROD. Lons.
WELL SITE GEOLOGIST: None

ELECTRICAL SURVEYS: RA Gaard log Calper Dr Guns
DRILL STEM TESTS: none

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	DATUM	E. LOG	DATUM	A	B	C	D
Schoolcrft	1418	+ 664	1410	+ 670	+ 664	+ 669		
Dakota	1046	+ 1036	1035	+ 1045	+ 1031	+ 1048		
Tarkio Ls.	2506	- 424	2509	- 429	- 423	- 420		
Topeka Ls.	3100	- 1018	3099	- 1019	- 1017	- 1020		
Lansing-Kansas City	3330	- 1248	3334	- 1254	- 1248	- 1245		
Base Kansas City	3562	- 1480	3565	- 1485	- 1478	- 1480		

Note: Datums tops are 3-5 ft higher than Log Depth.

REFERENCE WELLS FOR STRUCTURAL POSITION

A	K. Brown	No. 10 SRGA	SW NE NW Sec. 5-11s-18w
B	K. Brown	No. 9 SRGA	NE SE NW
C			
D			

RECEIVED STATE CORPORATION COMMISSION

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CONSERVATION DIVISION Wichita, Kansas

FEB 23 1984

DAILY PENETRATION

DATE	DEPTH
1/31	Spud
2/1	178 ft at 7:00 AM
2	1429 " "
3	2300 " "
4	3030 " "
5	3425 " "
6	3594 " "

BIT RECORD

No.	Size	Make	Type	Jets (32nds)	Depth	Feet	Hours
1	12 1/4"		RT	17#	178'	178'	2
2	7 7/8		RT	17#	1174'	996'	61 1/2
2	"		RT	15/3/	3537'	2363'	74
3	"	Smith	F-27	15/3/	3594'	206'	7 1/2

Formation	Interval	Description of Fluid	Gas Units	Time Minutes
TORONTO:	3310-15	Lt gray, vfn, frsh, chalky ls pr por, spttd stn., SSO	7	52
LANSING "A"	3346-51	Lt gray, fat, oolitic, ls, pr - fr por, spttd stn., SO	9	72
"C"	3370-75	Lt tan, fxln, foss., cherty ls pr por., spttd stn., SSO	10	67
"D"	3386-92	Lt tan, vfn, foss., ls pr por, scattered stn., VSSO	10	33
"H"	3464-69	Lt tan, fxln, cherty ls pr por, spttd stn., SSO	8	62
"J"	3488-92	Lt tan, fxln, foss., cherty ls. pr por, spttd stn., SSO	7-8	40-45
"J"	3502-06	Lt tan, fxln, foss., ls pr por, spttd stn., SSO	5	60

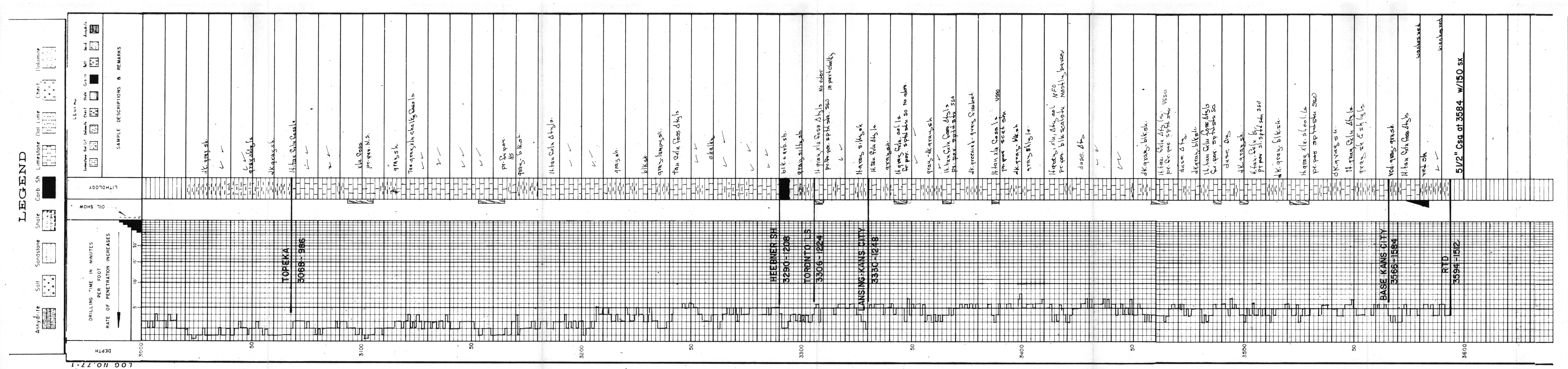
DRILL STEM TESTS

Number	Interval	Open	Shut-in	Recovery	Initial Pressure	Final Pressure	Remarks

Remarks & Recommendations: Due to the structural position of the Lansing Kansas City Section sample analysis, I cannot recommend that casing be set for further testing. The following zones should be perforated & tested.

3310-15; 3346-51; 3370-75; 3386-92; 3464-69; 3488-92; 3502-06.

Lawrence F. Gray



SAMPLE DESCRIPTIONS & REMARKS

LITHOLOGY

DRILLING TIME IN MINUTES PER FOOT

DEPTH

ELEVATION: 2082 KB

PRODUCTION

COMPANY: Mirror Stone Enterprises
LEASE: No. 11 SRGA
LOCATION: 110' N of NE NW SEC. 5 TWP. 11s RGE. 18 w
COUNTY: Ellis STATE: Kansas