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WF

API 15-185-24404-00-00

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY PALOMINO PETROLEUM, INC.
LEASE #1 RANDA
FIELD
LOCATION 2200' FSL + 350' FEL
SEC 4 TWSP 16S RGE 25W
COUNTY NESS STATE KS

ELEVATIONS
KB 2546
DF
GL 2536
Measurements Are All From 2546

CONTRACTOR Southwind Drlg Co.
SPUD 11-7-05 COMP
RTD 4711 LTD 4709
MUD UP 3500 TYPE MUD Chemical

CASING
SURFACE 8⅝" 23# @ 256' w/165sxs
PRODUCTION none

ELECTRICAL SURVEYS
Sonic
Radiation Guard

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION A	B	C
Anhydrite	1950	1946	+600	+603		
Topeka	3579	3575	-1029	-1039		
Heebner	3839	3833	-1287	-1293		
LKC	3880	3874	-1328	-1340		
BKC	4176	4172	-1626	-1635		
Pawnee	4296	4295	-1749	-1753		
Fort Scott	4378	4375	-1829	-1835		
Cherokee Sh	4400	4399	-1853	-1860		
Miss LS	4472	4474	-1928	-1932		
Miss Dol	4486	4489	-1943	-1945		
Osage	4540	4544	-1998			
Gilmore City	4640	4638	-2092			
TD	4711	4709	-2163	-1959		

REFERENCE WELL FOR STRUCTURE
A Berexco, Inc., Harold #3, 3-16S-25W NW NE SW
B
C

C032

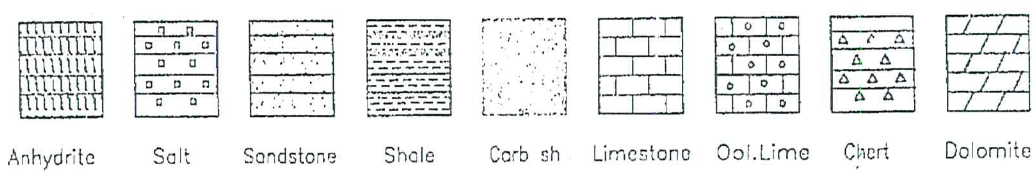
REMARKS The #1 Randa was structural high to the surrounding wells and drylooks. The Fort Scott and Mississippi were tested three times between them. There was not enough development in the zones to give up economical quantities of oil. The #1 Randa was plugged.

Bob Schreiber

RECOMMENDATIONS AND REMARKS

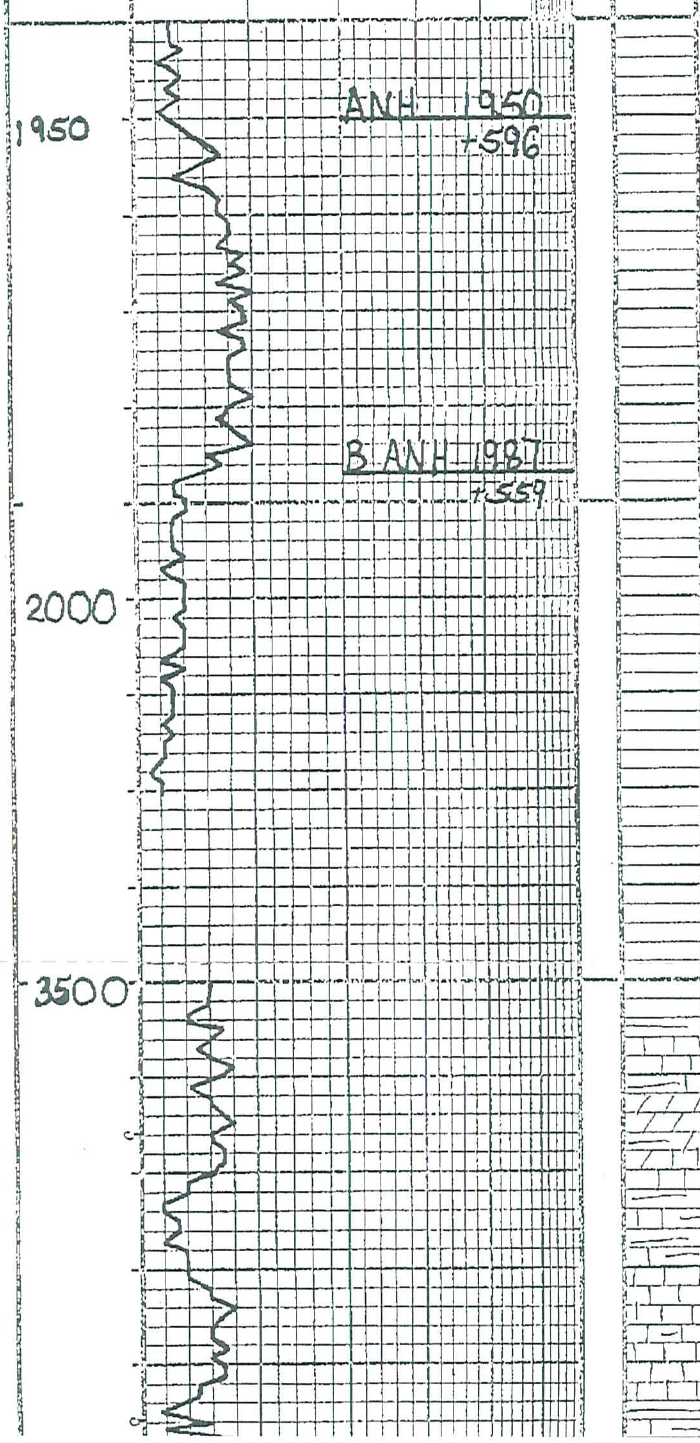
FORMATION	PERFORATE INTERVAL	LOG ANALYSIS % POR	LOG ANALYSIS % SW	TREATMENT AND REMARKS

LEGEND



SCALE " = 100'

DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Increases 5" 10" 15" 20" 25"	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS



Sample descriptions:

Dol- scm, mdhd-hd dns, vlfn-fn ip xln, sm epc-tc fc intr xln-vugor tr-sme prt res stn-nd bc sat ? sso ll dd, no odr

sH- lt-dk gy, mod ind ip, sli vitr wxy ip

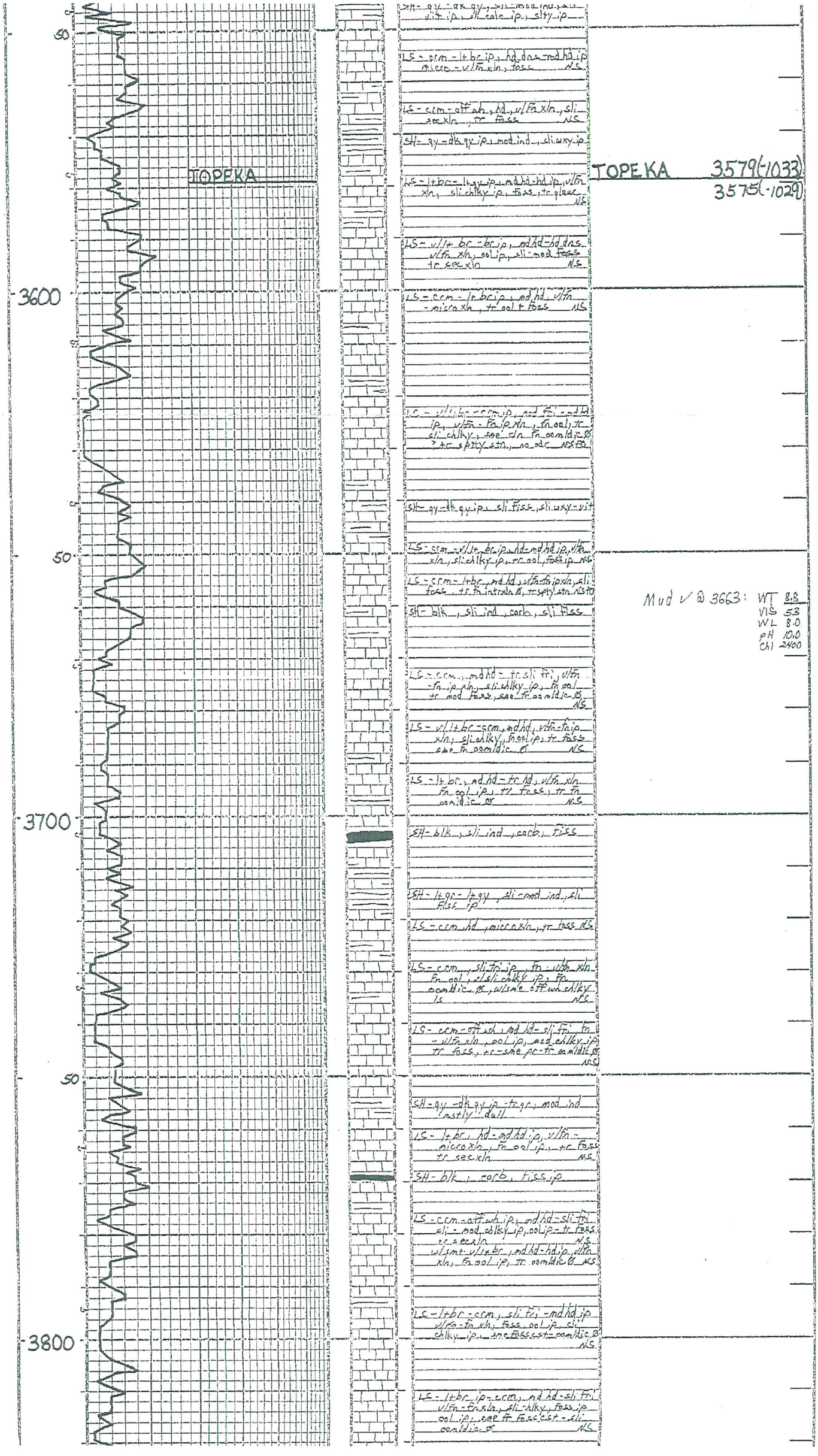
LS- ltbc-ltgy, mdhd-hd, vlfn xln, foss ip NS

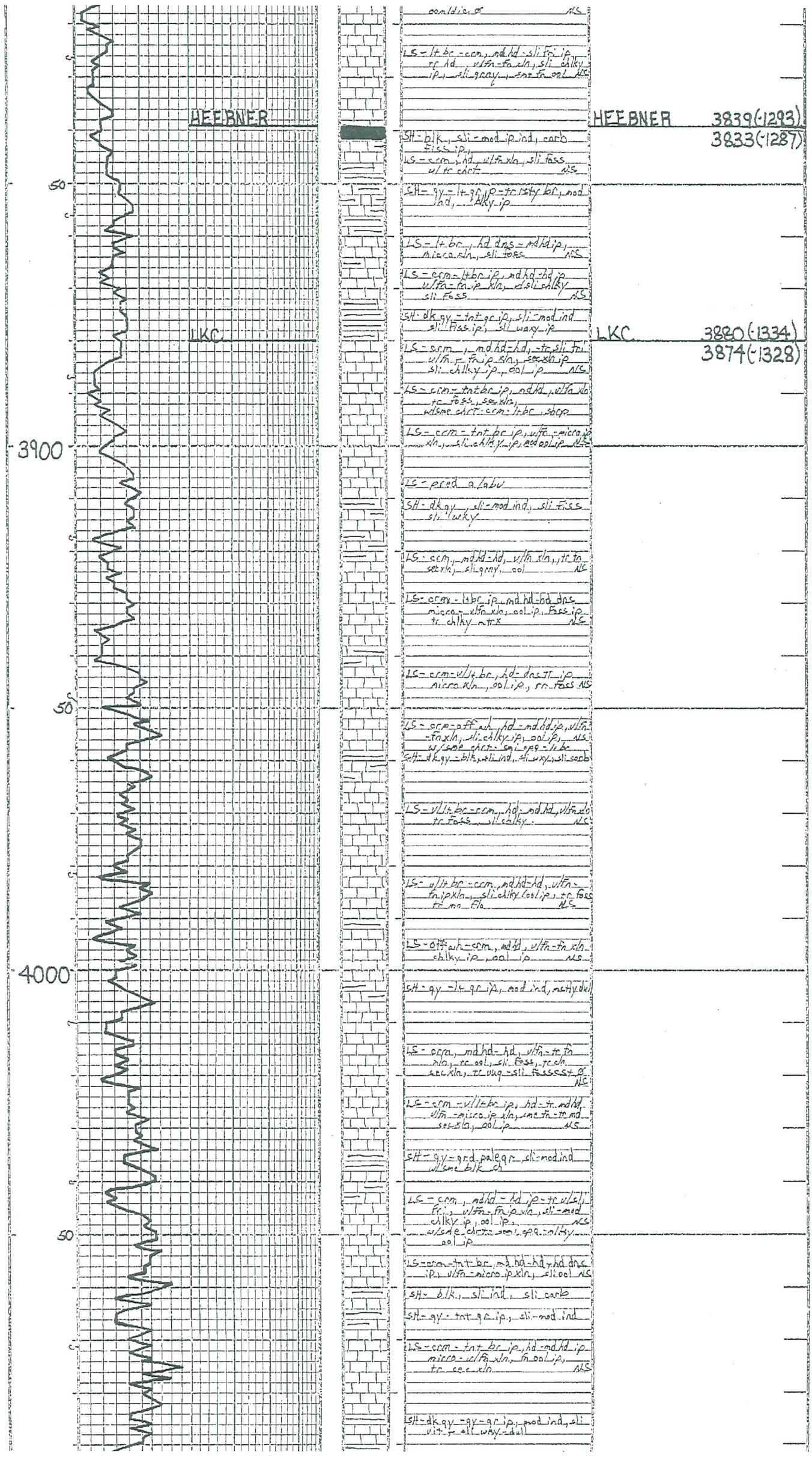
SH- gy-dk gy, sli-mod ind, sli vit ip, sli calc ip, slty ip

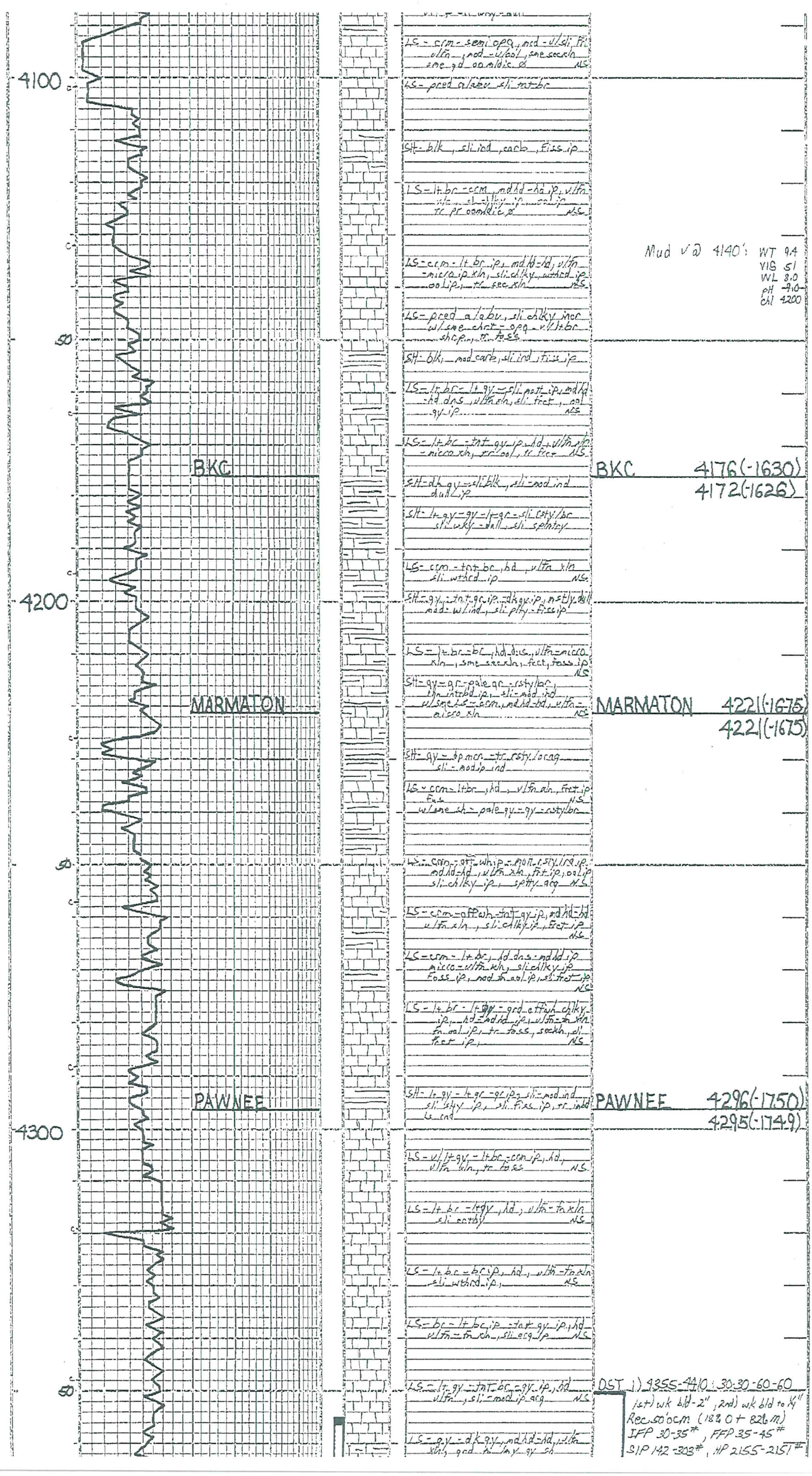
Remarks:

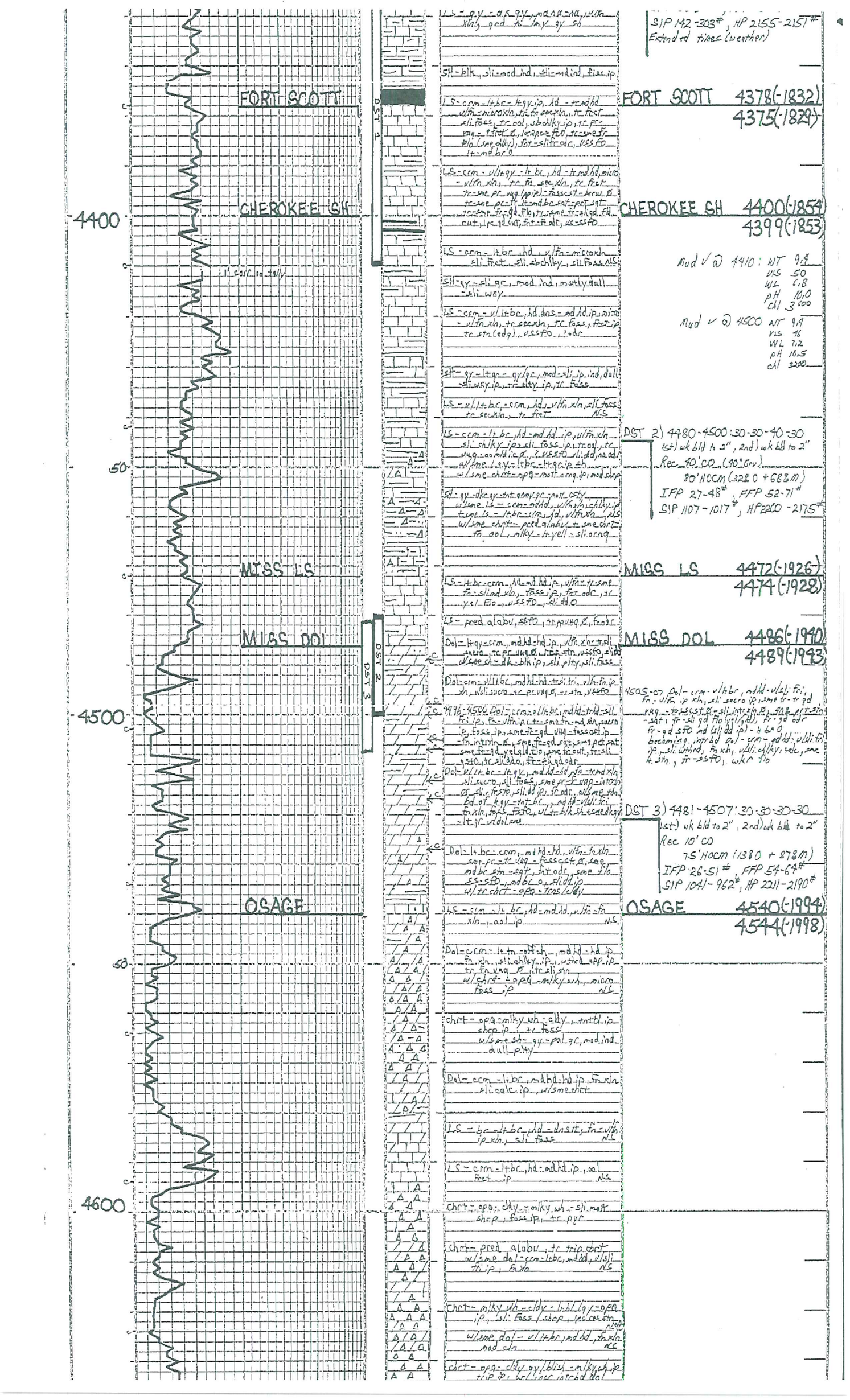
11-7-05: Spud, ran 256' of 8⅝" 23# w/165sxs, P.D. 12:30 AM
11-8-05: Waiting on cement
11-9-05: Drlg @ 1304'
11-10-05: Drlg @ 2450'
11-11-05: Drlg @ 3160'
11-12-05: Drlg @ 3660'
11-13-05: Drlg @ 4071'
11-14-05: DST1 @ 4410'
11-15-05: DST2 @ 4500'
11-16-05: DST2; DST 3 @ 4507'
11-17-05: Circ. cond. hole
11-18-05: Trip bit, run logs

LOG 7708


TOPEKA
TOPEKA 3579(-1033)
3575(-1029)
3600
3700
3800
Mud ✓ @ 3663: WT 8.8
VIS 53
WL 8.0
pH 10.0
Cl 2400


HEEBNER
LKC
3900
4000
50
50
50
HEEBNER 3839(-1293)
3833(-1287)
LKC 3880(-1334)
3874(-1328)


4100
50
4200
50
4300
50
BKC
MARMATON
PAWNEE
LS - crm - semi opq, mod - v/sli, fri vlfn, mod - v/sol, sme sec x/n sme, gd oomoldic ø NS
LS - pred a/abu, sli mot - br
SH - blk, sli ind, carb, fiss ip
LS - lt br - crm, md hd - ha ip, v/fn v/s, sl - v/ly ip, oo ip tr pr oomoldic ø NS
LS - crm - lt br ip, md hd - hd, v/fn micro ip x/n, sli chlky, wthrd ip oo ip, tr sec x/n NS
LS - pred a/abu, sli chlky mor w/sme chrt - opq - v/lt br sharp, tr foss
SH - blk, mod carb, sli ind, fiss ip
LS - lt br - lt gy - sli post ip, md hd - hd dns, v/fn x/n, sli frct, sol gy ip NS
LS - lt br - tnt gy ip - hd, v/fn x/n micro x/n, pr - sol, tr frac NS
SH - dk gy - sl/blk, sli - mod ind dull ip
SH - lt gy - gy - l/t gr - sli csty/br sli wky - dull, sli sphtcy
LS - crm - tnt - br, hd, v/fn x/n sli wthrd ip NS
SH - gy, tnt gr ip, dk gy ip, mstly dull mod - w/ind, sli pthy - fiss ip
LS - lt br - br, hd - brit, v/fn - micro x/n, sme sec x/n, frct, foss ip NS
SH - gy - gr - pale gr - csty/br, l/n, intbd ip, sli - mod ind w/spec LS - crm, md hd - bd, v/fn - micro x/n NS
SH - gy - bp mcr - tr csty/org aq sli - mod ip ind
LS - crm - lt br, hd, v/fn x/n, frst ip foss w/sme sh - pale gy - gy - csty/br NS
LS - crm - off wh ip - mott csty/org ip, md hd - hd, v/fn x/n, frst ip, oo ip sli chlky ip, spthy aeg NS
LS - crm - off wh x/n, tnt gy ip, md hd - hd v/fn x/n, sli chlky ip, frct ip NS
LS - crm - lt br, hd dns - md hd ip micro - v/fn x/n, sli chlky ip foss ip, mod fn oo ip, sli frct ip NS
LS - lt br - l/t gy - grd off wh chlky ip, hd - md hd ip, v/fn - fn x/n fn oo ip, tr foss, sec x/n, sli frct ip NS
SH - lt gy - lt gr - gr ip, sli - mod ind sli sdy ip, sli fiss ip, tr ind bedding
LS - v/l/t gy - lt br - crm ip, hd, v/fn x/n, tr foss NS
LS - lt br - l/t gy, hd, v/fn - fn x/n sli carby NS
LS - lt br - br ip, hd, v/fn - fn x/n sli wthrd ip NS
LS - br - lt br ip - tnt gy ip, hd v/fn - fn x/n, sli arg ip NS
LS - lt gy - tnt - br - gy ip, hd v/fn, sli - mod ip arg NS
LS - gy - dk gy, md hd - hd, v/fn x/n, grd to lmy gy sh
Mud @ 4140': WT 9.4 VIS 51 WL 8.0 pH 9.0 Chl 4200
BKC 4176 (-1630) 4172 (-1626)
MARMATON 4221 (-1675) 4221 (-1675)
PAWNEE 4296 (-1750) 4295 (-1749)
DST 1) 4355-4410: 30-30-60-60
(1st) wk bld - 2", (2nd) wk bld to 1/4"
Rec 50' ocm (18% O + 82% M)
IFP 30-35#, FFP 35-45#
SIP 142-208#, HP 2155-2151#



SIP 142-303#, HP 2155-2151#
Extended times (weather)

FORT SCOTT 4378(-1832)
4375(-1829)

CHEROKEE SH 4400(-1854)
4399(-1853)

Mud @ 4410: WT 9.9
VIS 50
WL 6.8
PH 10.0
Cl 3100

Mud @ 4500 WT 9.9
VIS 46
WL 7.2
PH 10.5
Cl 3200

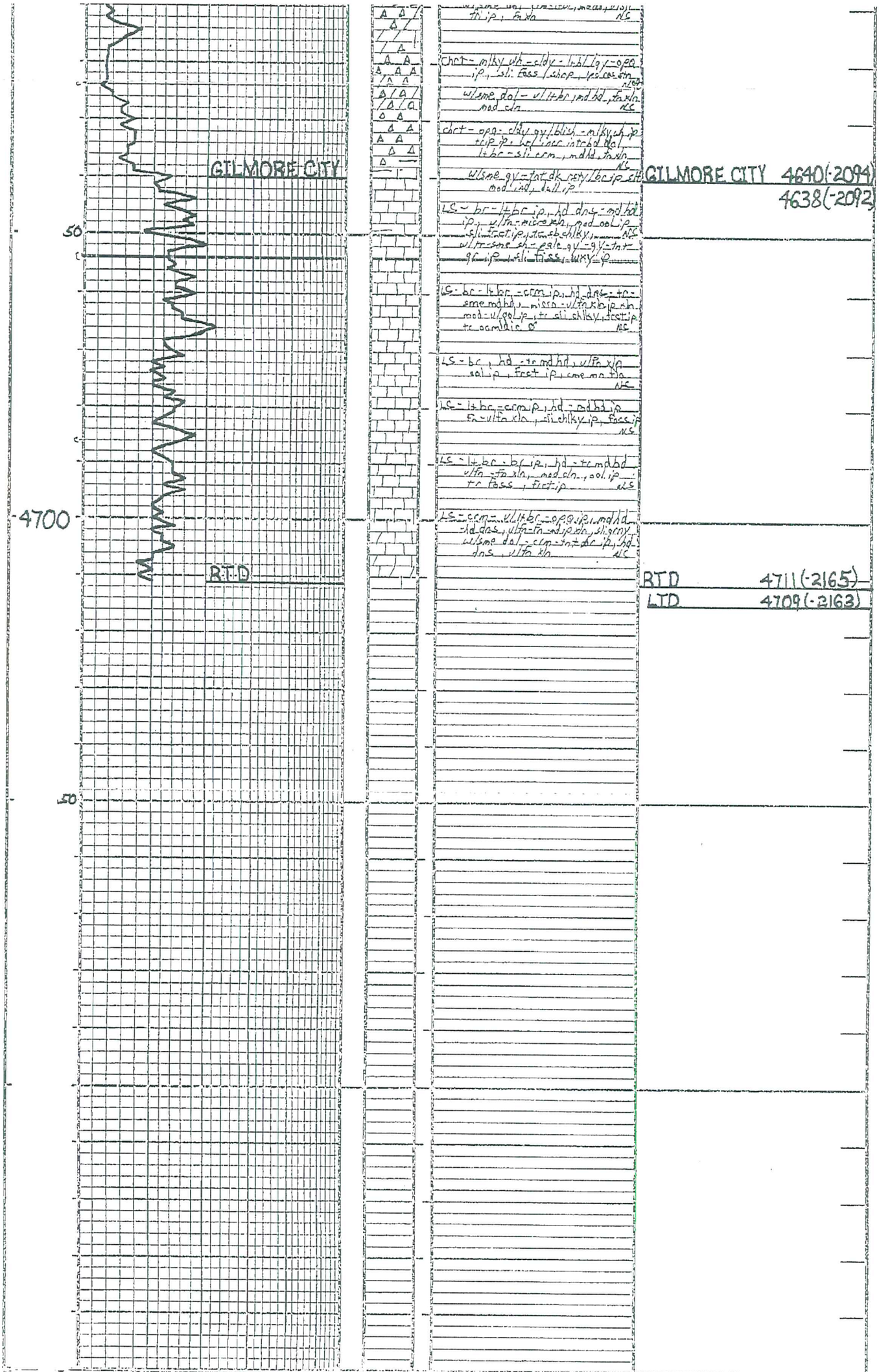
DST 2) 4480-4500 :30-30-40-30
1st) wk bld to 2", 2nd) wk bld to 2"
Rec 40' CO (90% Gry)
80' HOCM (32.8 0 + 68.8 m)
IFP 27-48#, FFP 52-71#
SIP 1107-1017#, HP 2200-2175#

MISS LS 4472(-1926)
4474(-1928)

MISS DOL 4486(-1940)
4489(-1943)

DST 3) 4481-4507 :30-30-30-30
1st) wk bld to 2", 2nd) wk bld to 2"
Rec 10' CO
75' HOCM (1.38 0 + 87.8 m)
IFP 26-51#, FFP 54-64#
SIP 1041-982#, HP 2211-2190#

OSAGE 4540(-1994)
4544(-1998)



GILMORE CITY 4640(-2094)
4638(-2092)

RTD 4711(-2165)
LTD 4709(-2163)

DEPTH	DRILLING TIME Minutes/Foot (5" 10" 15" 20" 25") — Rate of Penetration Increases	LITHOLOGY	SAMPLE DESCRIPTIONS	REMARKS

COMPANY _____

LEASE _____ ELEVATION: _____