Marc Downing
Consulting Petroleum Geologist
1411 Washington Circle
Hays, Ks 67601
Phone: 620-428-1356 (cell) 785-621-2286

GEOLOGIC REPORT LOG

COMPANY: Downing-Nelson Oil Co., Inc

WELL: Elsie Herman # 1-32

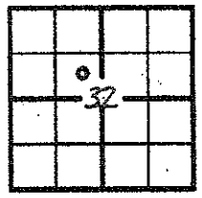
FIELD: Wildcat

LOCATION: 1820' FNL - 2180' FWL

SEC. 32 TWP. 17s RGE. 18w

COUNTY: Rush

STATE: Kansas



PRODUCTION: Dry

ELEVATION KB 2095
DF
GL 2087

Drilling Measured From: 2095 KB
Samples Saved From 3100 To: TD
Drilling Time From 3050 To: TD
Samples Examined From: 3100 To: TD
Geological Supervision From 3100 To Total Depth
Wellsite Geologist: Marc Downing - Alfred
Electrical Surveys: Superior
DNI / IGR - Sonic
Dual Induction - Microlog

OPERATOR: DxNOCI
CONTRACTOR: Derrick Drilling Rig # 3
COMM: 2-6-12 COMP: 2-22-12

CASING RECORD

SURF: 8 5/8" - 127' PROD: -
TOTAL DEPTH DRILLERS: 3893
TOTAL DEPTH LOG: 3893

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Arbuckle	1261	1263	+832	-4
Base	1299	1295	+800	-1
Topeka	3129	3128	-1033	-2
Heebner	3428	3429	-1334	+1
Toronto	3448	3447	-1352	+1
Lansing	3480	3478	-1383	-3
BKC	3746	3744	-1649	F
Marmaton	3796	3795	-1700	+5
Arbuckle	3846	3848	-1753	+18

REFERENCE WELL FOR STRUCTURE: Trans-Pacific Oil Co.
Wilson #1 NE-NW-NW
Sec 32-17s-18W Rush Co., Ks

DAILY PENETRATION		BIT RECORD						
DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS

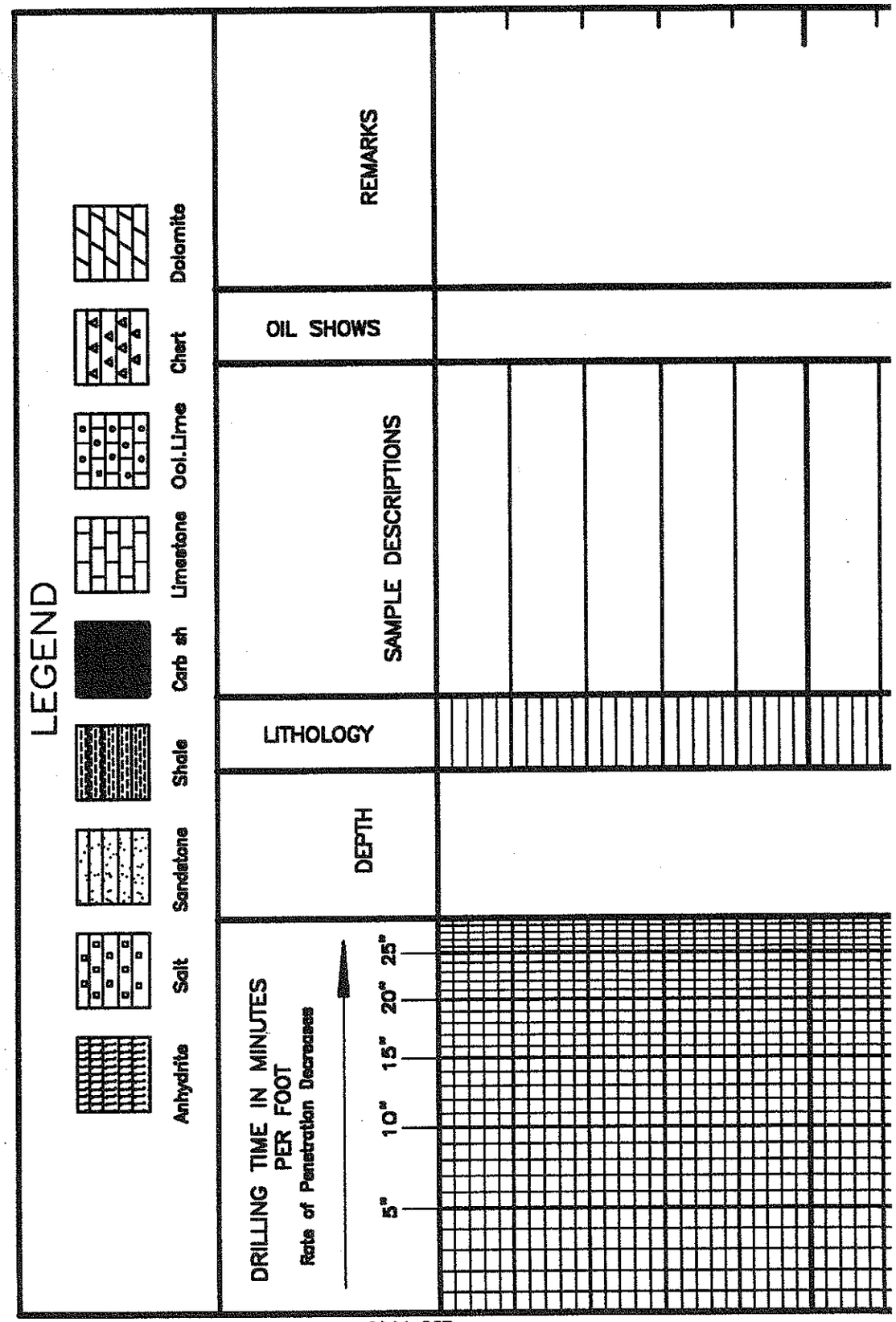
FORMATION	INTERVAL	DESCRIPTION OF SHOW	LOG ANALYSIS G	S W

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY

REMARKS AND RECOMMENDATIONS

7515



LOG 7710

3050

3100

Drilling
3129(-1084')

Sh: g-g
LS: tan wh some wht, fn-vfn xln, dms.

Sh: g-g
LS: tan-brn, fn-med xln, v foss. mostly pcs, scat subxln rx wl tan chts. All NS.

Sh: gry
LS: wht, fn-med xln, chlky wl NS.

Sh: gry

50

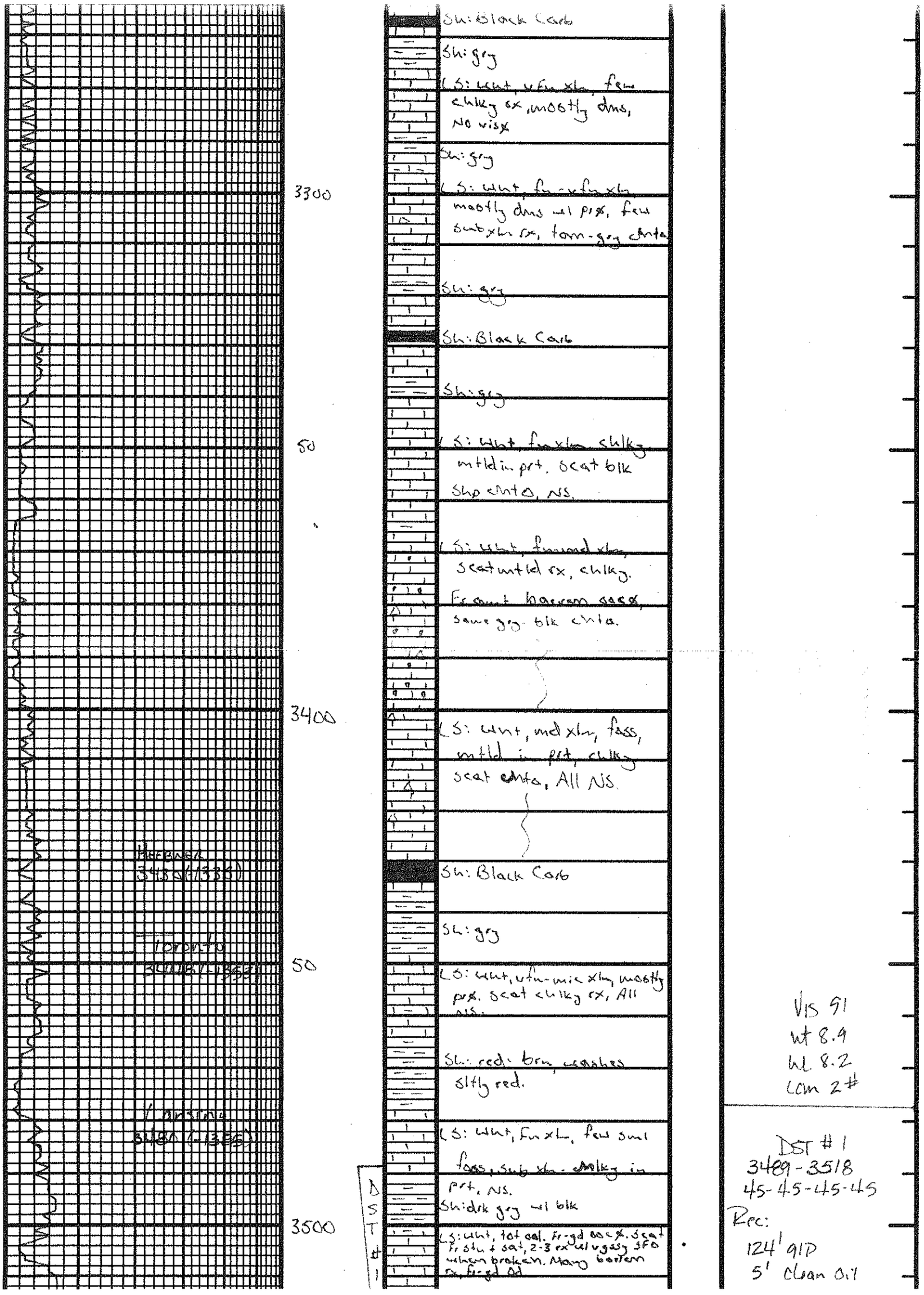
3200

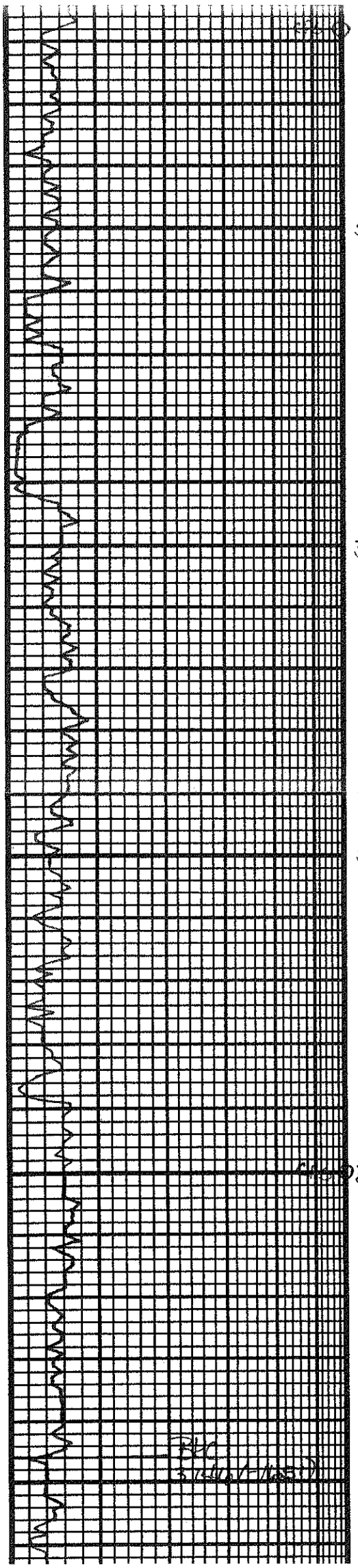
LS: tan-brn, fn-vfn xln, scat foss, v dms, NS vis ✗.

LS: Tmg tan-wht, foss, mtld. Fr-mnt subxln-chlky ex. grey foss chts wl depth.

50

LS: AIA, v mtld


Sh: Black Carb
Sh: gry
LS: wht, v fn xln, few chlky ex, mostly dns, No visx
Sh: gry
LS: wht, fn-v fn xln mostly dns wl pisx, few subxln ex, tan-gry chts
3300
Sh: gry
Sh: Black Carb
Sh: gry
LS: wht, fn xln, chlky, mtld in prt, scat blk Shp chts, NS.
50
LS: wht, fn-med xln, few scat mtld ex, chlky. Frequent heavy oil ex, some gry-blk chts.
LS: wht, med xln, foss, mtld in prt, chlky scat chts, All NS.
3400
Sh: Black Carb
Sh: gry
LS: wht, vfn-mic xln, mostly px. scat chlky ex, All NS.
50
Sh: red, brn, maroon slt fly red.
LS: wht, fn xln, few sml foss, sub xln - chlky in prt, NS.
Sh: dk gry wl blk
LS: wht, tot oal. fr-gd oo ex. Scat fr stn + sat, 2-3 ex wl vgsy SFO when broken. Many barren ex, fr-gd Od
3500
DST #1
Vis 91
wt 8.9
wl 8.2
Com 2#
DST #1
3489-3518
45-45-45-45
Rec:
124' OIP
5' Clean Oil



Sh: gry

LS: tan, fn-med xln, fass, tite cal prs, tng uht + chlky cal depth, NS.

Sh: Black Carb

Sh: gry
LS: tan, cal, Fr intcalx, mostly chlky. All NS.

LS: cmt, Fn xln, chlky, much tan chta, NS.

LS: tan-cmt, scat cal, dms.

LS: tan, tat cal, gd oacx, tat barren. No Od.

LS: lt bra-tan, vfn xln, dms, prs. Scat gry chta.

Sh: gry
LS: tan-cmt, cal, 1-2 pcs cal prs, totally barren, No Od.

Sh: red

LS: tan, cal, Fr-gd oacx, totally barren, No Od.
Root tite + dms.

Sh: red, washes red.

LS: cmt, scat cal, mostly prs.

LS: cmt, tat cal, gd oacx, totally barren, No Odor.

Sh: gry-Brown

LS: Tan f-vfxn v.clsE Ns.

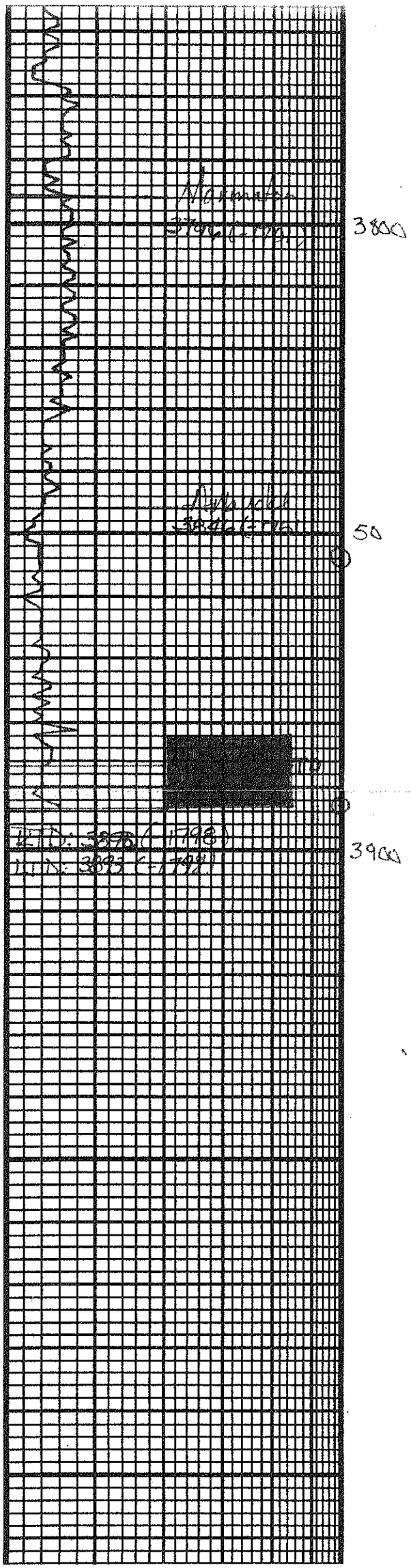
Sh: gry-Reddish Brown v.silty

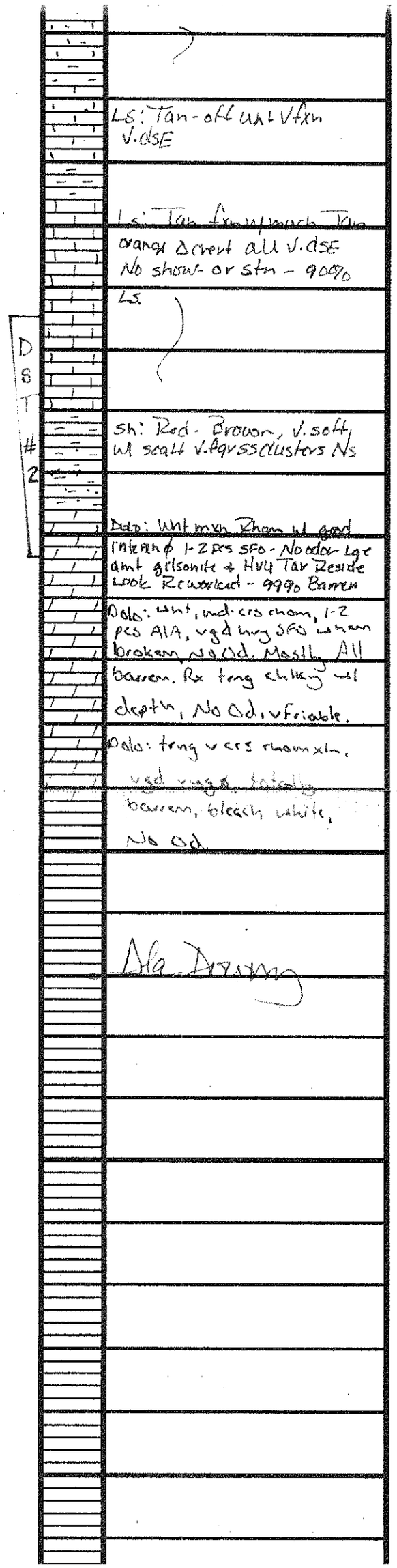
LS: Tan-crm f-vfrn cm fair amt orange sdst

Sh: Red, green

Sh: gry-Red v. soft
W Intbed Tan LS Lenses

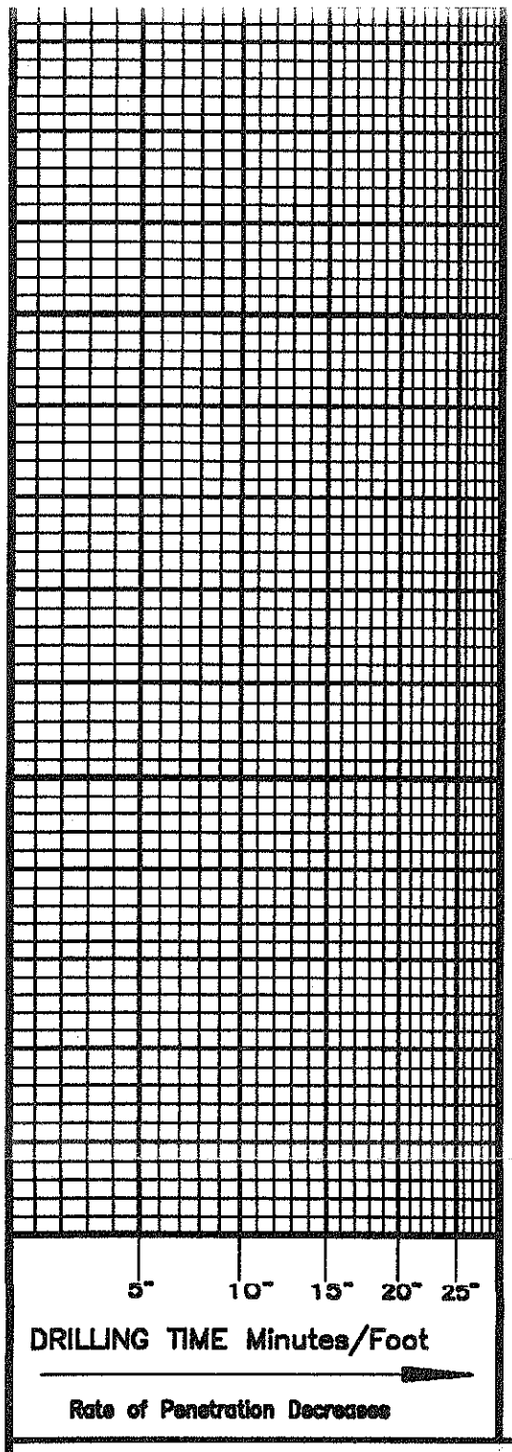
IHP: 1718#
IFP: 14-44#
FFP: 45-73#
SIP: 1046-1023#
FHP: 1673#
Temp: 107°F





Vis 51
wt 9.1
wl 8.8
LCM 2#

DST #2
3815 - 3854
15-30-15-45
Rec:
310' mw
1290' water
IHP: 1829
IFP: 98-523#
FFP: 533-793#
SIP: 1205-1208
FHP: 1824#
Temp: 118°F



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS

CONTRACTOR _____ LOCATION _____

LEASE _____ IP _____ SEC _____ TWP _____ RNG _____

ELEVATION _____ RTD _____ COUNTY _____ STATE _____