GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Trans Pacific Oil Corp.

LEASE Roberts Trust 'B' 1-3

FIELD

LOCATION W/2 SE NE

SEC 3 TWSP 16S RGE 28W

COUNTY Lane STATE Ks

CONTRACTOR Duke Drlg Rig #2

SPUD 1/26/13 COMP 2/3/13

TD 4400 LTD 4402

MUD UP 3600 TYPE MUD Chem

ELEVATIONS

KB 2539

DF

GL 2531

Measurements Are All From KB

CASING

SURFACE 8⅝" @ 256

PRODUCTION

ELECTRICAL SURVEYS

Dual Comp Den

SAMPLES SAVED FROM 3650 TO RTD

DRILLING TIME KEPT FROM 3500 TO RTD

SAMPLES EXAMINED FROM 3650 TO RTD

GEOLOGICAL SUPERVISION FROM 3500 TO RTD

GEOLOGIST ON WELL Michael R. Kidwell

FORMATION TOPS	LOG	SAMPLES
Anhydrite	1939 +600	
B/Anhy	1971 +568	
Heebner Sh.	3704 -1165	3703
Lansing	3741 -1202	3742
Stark Sh.	3992 -1453	3990
Pleasanton	4062 -1523	4062
Ft. Scott	4243 -1704	4243
Cherokee Sh	4269 -1730	4270
Miss Dolo	4350 -1811	4345

3°

REMARKS

7505

LEGEND

Dolomite
Chert
Gyp/Lime
Limestone
Carb sh
Shale
Sandstone
Salt
Anhydrite

SCALE " = 100'

SAMPLE DESCRIPTIONS

REMARKS

LITHOLOGY

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Increases

5" 10" 15" 20" 25"

DEPTH

1930

1/0 5/0 1.0

LOG 7708

LOG 7708

DEPTH

5" 10" 15" 20" 25"

SAMPLE DESCRIPTIONS

REMARKS

1930
40
50
60
70
80
90
3550
60
70
80
90
3600
10
20
30
40
50
60
70
80
90
3700
10

Heebner Sh 3703 (-1164)

(E-log 3704)

LS- crm fn x/n vr fn foss

Sh- gry

LS- lt gry lt tan vr fn x/n blky sl foss Chrt- wht

Sh- gry blk

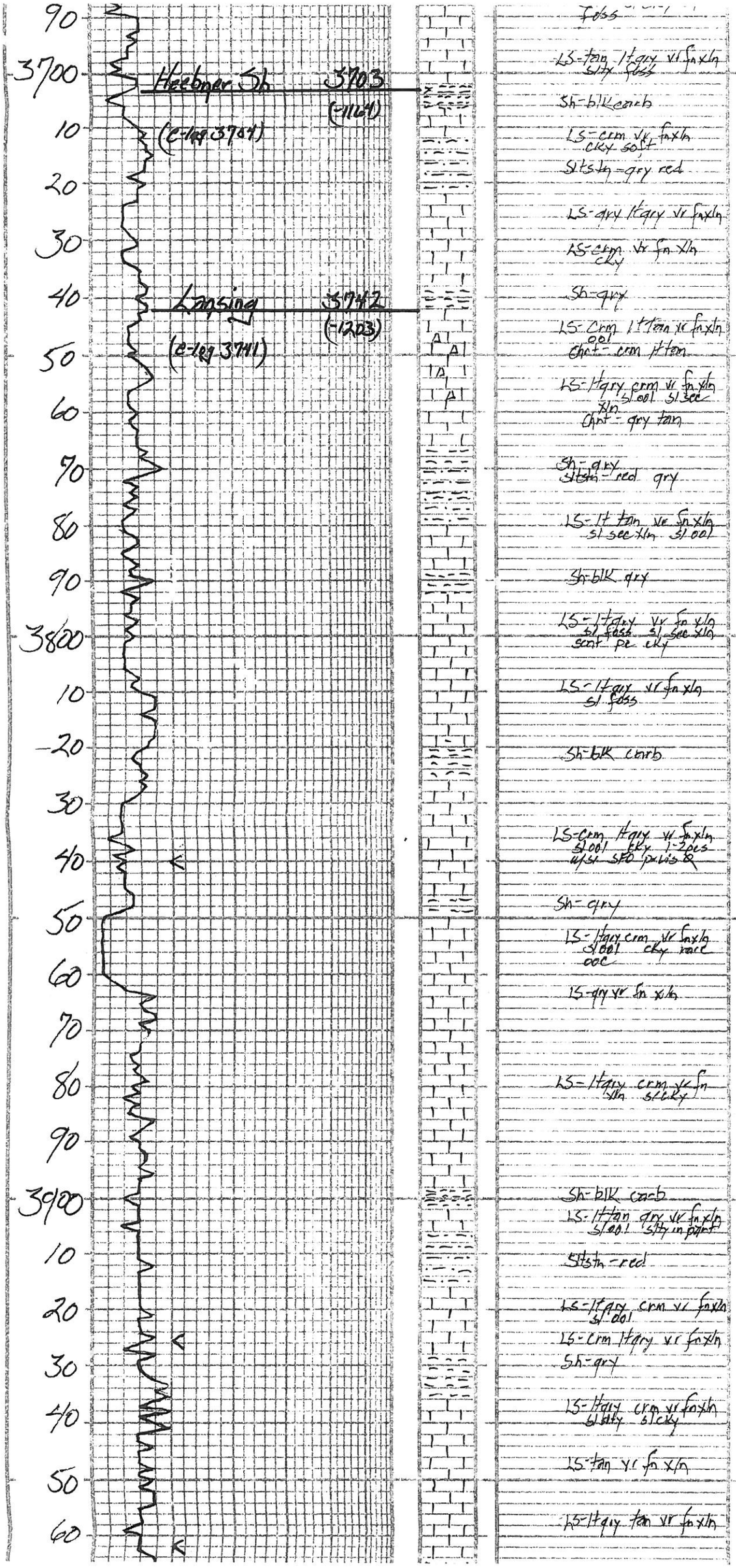
LS- lt gry fn - vf fn x/n foss sl sec Anh

LS- lt gry vr fn x/n slty sl cky sl foss

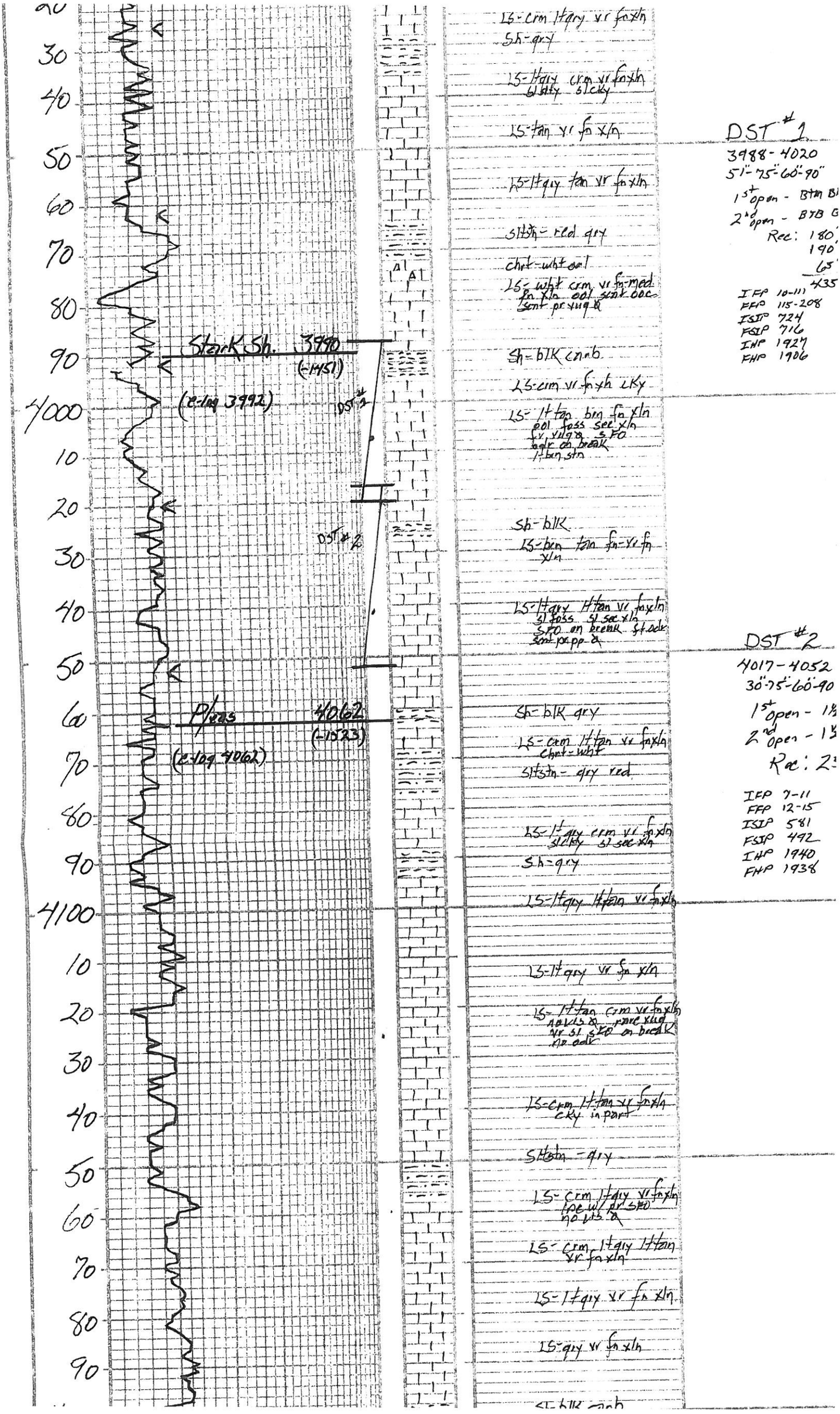
LS- tan lt gry vf fn x/n slty foss

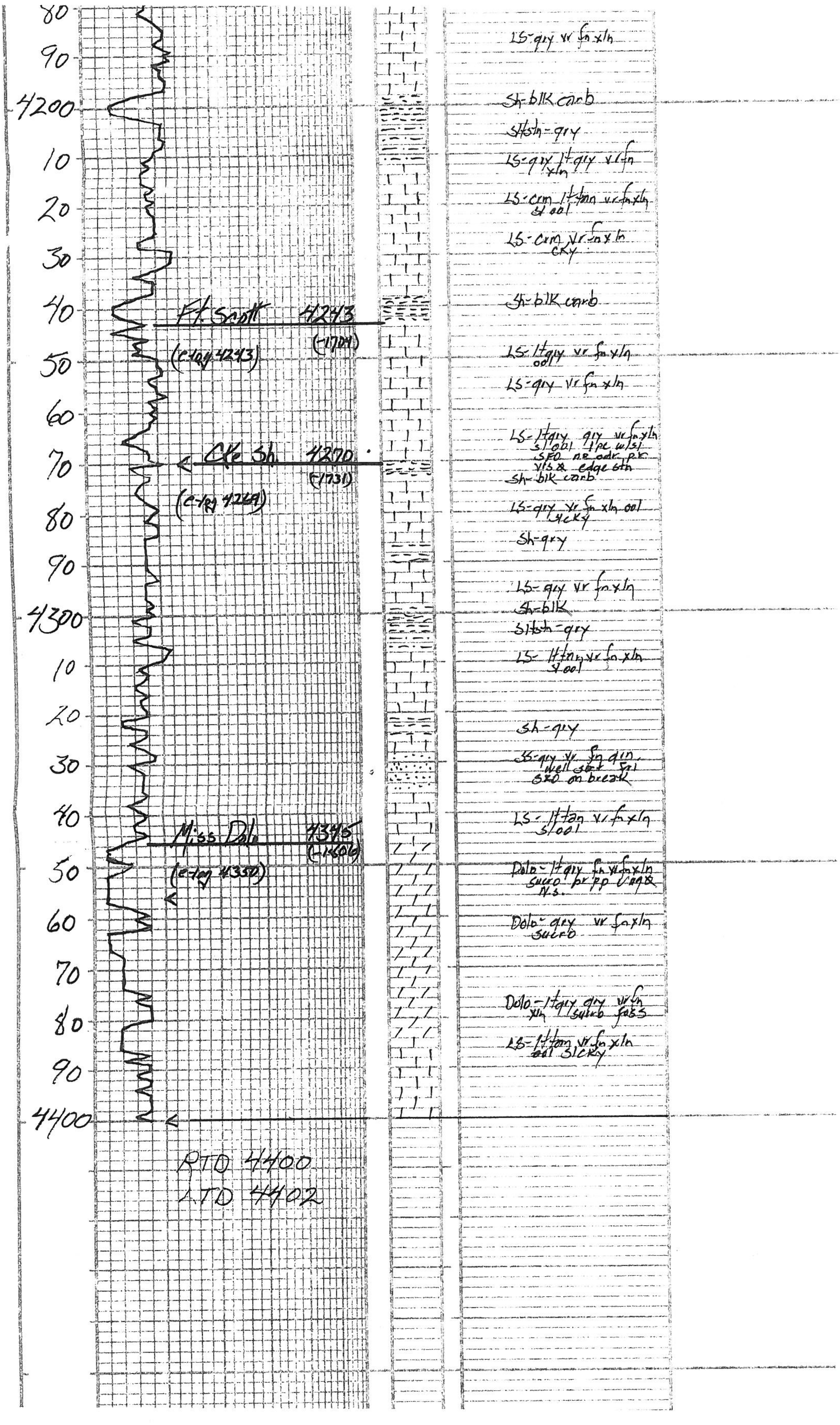
Sh- blk carb

LS- crm vr fn x/n cky soft

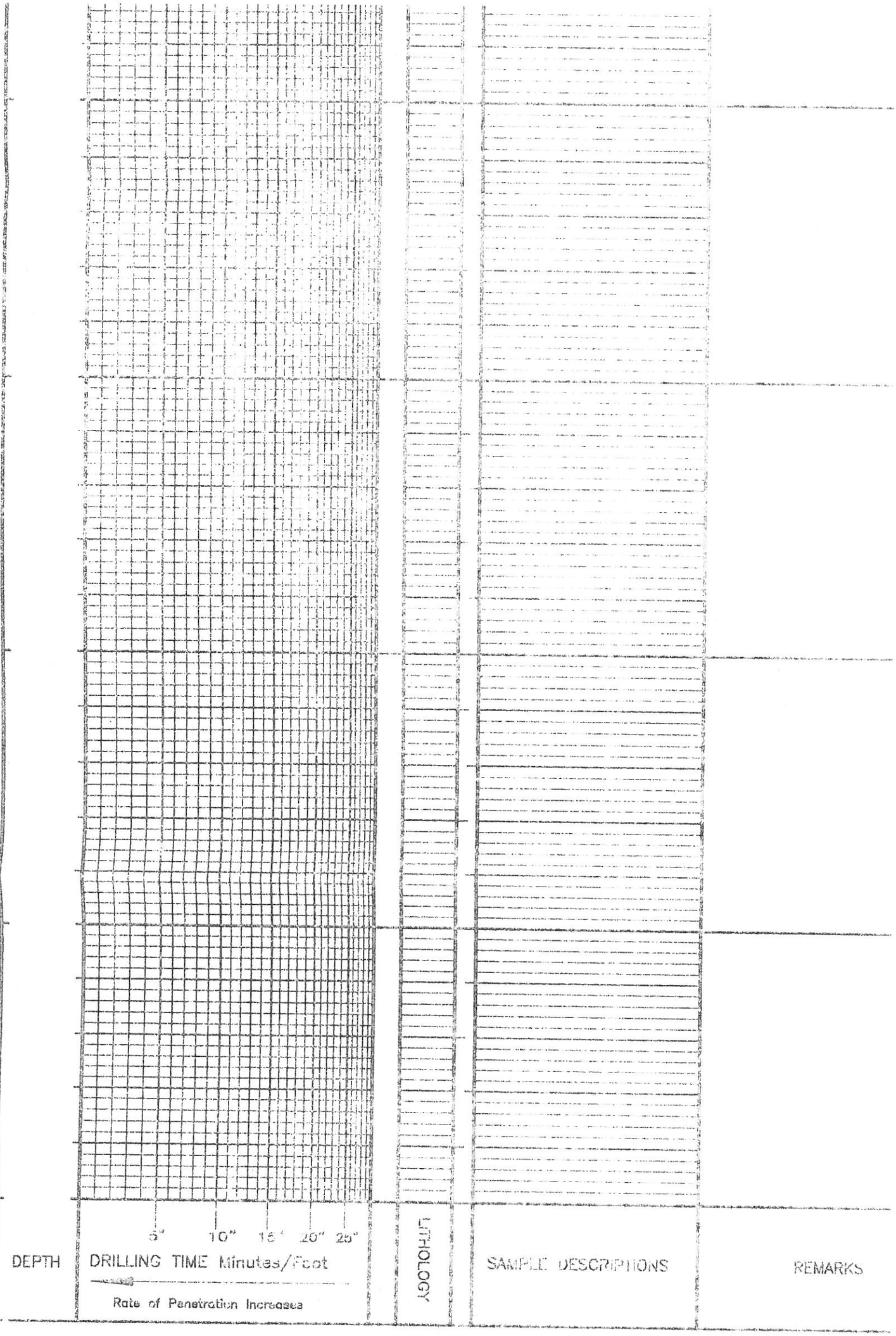


DST #1
3988-4020
51"-75"-60"-90"
1st open - Btm
2nd " Btm


LS- crm ltgry vr fn x/n
Sh- gry
LS- ltgry crm vr fn x/n
slsty slcky
LS- tan vr fn x/n
DST #1
3988-4020
5"-75"-60"-90"
1st open - Btm Bl
2nd open - BTB G
Rec: 180'
190'
65'
435'
IFP 10-111
FFP 115-208
ISIP 724
FSIP 716
IHP 1927
FHP 1906
LS- ltgry tan vr fn x/n
slsh- red gry
chrt- wht ool
LS- wht crm vr fn-med fn x/n ool scat ooc scat prvug pr
Stark Sh. 3990 (-1951)
(e-log 3992)
DST #1
Sh- blk carb
LS- crm vr fn x/n clky
LS- ltbrn bm fn x/n ool foss see x/n fv vug p, SFO odr on break ltbrn stn
DST #2
Sh- blk
LS- brn tan fn-vr fn x/n
LS- ltgry ltbrn vr fn x/n sl foss sl sec x/n SFO on break Stark scat pp p
DST #2
4017-4052
30"-75"-60"-90
1st open - 1½
2nd open - 1½
Rec: 2
IFP 7-11
FFP 12-15
ISIP 581
FSIP 492
IHP 1940
FHP 1938
Miss 4062 (-1923)
(e-log 4062)
Sh- blk gry
LS- crm ltbrn vr fn x/n chrt- wht
slsltst- gry red
LS- lt gry crm vr fn x/n slcky sl sec x/n
Sh- gry
LS- ltgry ltbrn vr fn x/n
LS- ltgry vr fn x/n
LS- ltbrn crm vr fn x/n rare vug vr sl SFO on break no odr
LS- crm ltbrn vr fn x/n cky in part
Slsltst- gry
LS- crm ltgry vr fn x/n fine w/ dr SFO no vis p
LS- crm ltgry ltbrn vr fn x/n
LS- ltgry vr fn x/n
LS- gry vr fn x/n
LS- blk carb



80
90
4200
10
20
30
40
50
60
70
80
90
4300
10
20
30
40
50
60
70
80
90
4400
Ft. Scott 4243
(-1704)
(E-log 4243)
Cke Sh. 4270
(-1731)
(E-log 4269)
Miss Dolo 4345
(-1806)
(E-log 4350)
RTD 4400
LTD 4402
LS-gry vr fn xln
Sh-blk carb
Sltstn-gry
LS-gry lt gry v f fn xln
LS-crm lt tan vr fn xln sl ool
LS-crm vr fn xln cky
Sh-blk carb
LS-lt gry vr fn xln ool
LS-gry vr fn xln
LS-lt gry gry vr fn xln sl ool lpc w/sl SFO no odr pr vis & edge stn
Sh-blk carb
LS-gry vr fn xln ool sl cky
Sh-gry
LS-gry vr fn xln
Sh-blk
Sltstn-gry
LS-lt tan vr fn xln sl ool
Sh-gry
SS-gry vr fn grn well srt fri SFO on break
LS-lt tan vr fn xln sl ool
Dolo-lt gry fn vr fn xln sucro pr pp vug N.S.
Dolo-gry vr fn xln sucro
Dolo-lt gry gry vr fn xln sucro foss
LS-lt tan vr fn xln ool sl cky



COMPANY _____

LEASE _____ ELEVATION: _____

LOCATION _____ SEC ____ TWP ____ RNG ____

COUNTY _____ STATE _____

COUNTY _____ STATE _____