

PLU # 217

Schlumberger

Company: Bass Enterprises Production Company

Well: Poker Lake Unit #217
Field: Nash Draw (Delaware)
County: Eddy State: New Mexico

County: Eddy
Field: Nash Draw (Delaware)
Location: 1650' FSL & 660' FEL
Well: Poker Lake Unit #217
Company: Bass Enterprises Production Co

Platform Express	
Three Detector Litho-Density	
Compensated Neutron / GR	
1650' FSL & 660' FEL	Elev.: K.B. 3222.5 ft G.L. 3202.2 ft D.F. 3221.3 ft
Permanent Datum:	Ground Level
Log Measured From:	Kelly Bushing
Drilling Measured From:	Kelly Bushing
API Serial No. 30-015-33863	Section 19
	Township 24S
	Range 30E
Logging Date 4-Mar-2005	
Run Number One	
Depth Driller 7640 ft	
Schlumberger Depth 7646 ft	
Bottom Log Interval 7628 ft	
Top Log Interval 200 ft	
Casing Driller Size @ Depth 7.000 in @ 3495 ft	
Casing Schlumberger 3492 ft	
Bit Size 6.125 in	
Type Fluid In Hole Fresh Water	
Density 8.7 lbm/gal	29 s
Viscosity 9.5	
PH	
Fluid Loss	
Source Of Sample Circulation Tank	
RM @ Measured Temperature 0.182 ohm.m @ 59 degF	
RMF @ Measured Temperature 0.182 ohm.m @ 59 degF	
RM @ Measured Temperature @	
RMF @ Measured Temperature @	
Source RMF RMC	
RM @ MRT 0.088 @ 130 0.088 @ 130	
RMF @ MRT 130 degF	
ipped Temperatures 4-Mar-2005 7:00	
Time 4-Mar-2005 13:30	
Location Midland	
Location Trevor Johnson	
Location Simianne Hayden	

217

MAIN PASS 2" = 100 FT.

- Integrated Borehole Volume Every 10 F3
- Integrated Borehole Volume Every 100 F3
- Integrated Annulus Volume Every 10 F3
- Integrated Annulus Volume Every 100 F3

Time Mark Every 60 S

Format: 2_nuc Vertical Scale: 2" per 100'

Graphics File Created: 04-Mar-2005 14:22

OP System Version: 12C0-301
MCM

HILTB-FTB 12C0-301 DTC-H 12C0-301

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_016LUP FN:15 PRODUCER 04-Mar-2005 14:22

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_016LUP FN:15 PRODUCER 04-Mar-2005 14:22 7644.0 FT 170.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 1101.05 F3

Cement Volume = 642.78 F3 (assuming 4.50 IN casing O.D.)

Computed from 7644.0 FT to 3495.0 FT using data channel(s) HCAL

OP System Version: 12C0-301
MCM

HILTB-FTB 12C0-301 DTC-H 12C0-301

Changed Parameter Summary

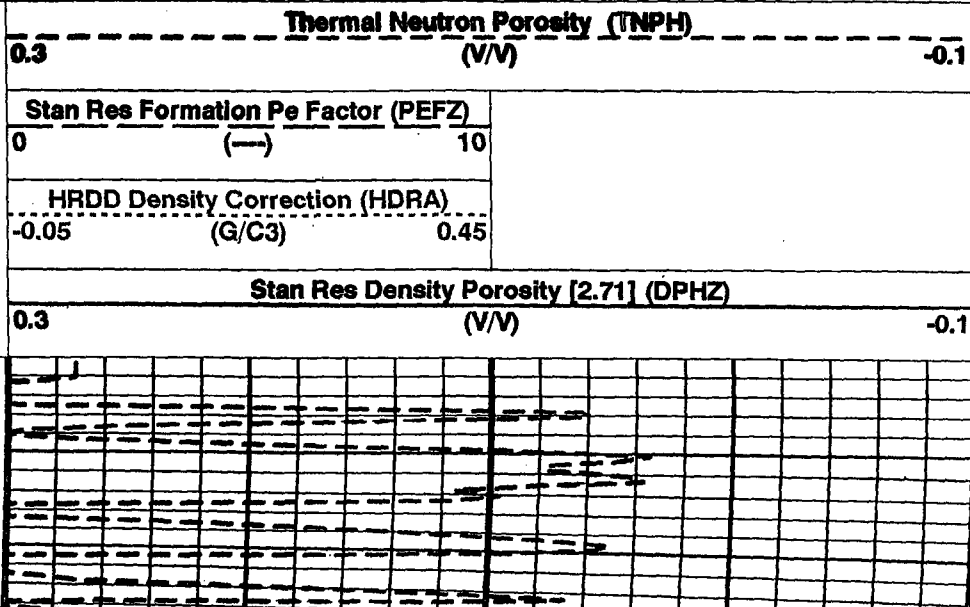
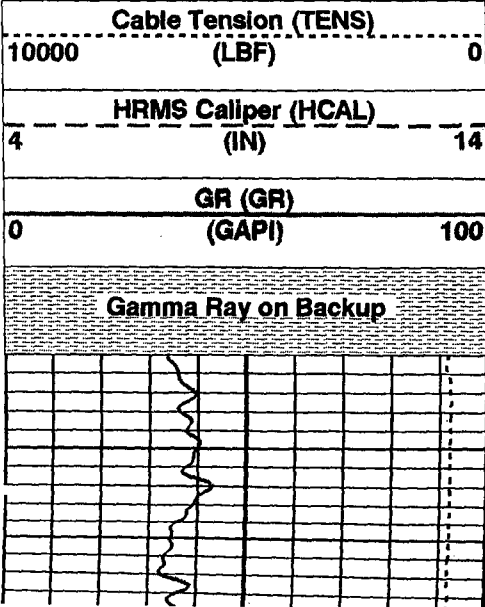
DLIS Name	New Value	Previous Value	Depth & Time
BHS	CASED	OPEN	3459.8 15:54:17
GCSE	BS	HCAL	3459.8 15:54:20

PIP SUMMARY

- Integrated Borehole Volume Every 10 F3
- Integrated Borehole Volume Every 100 F3
- Integrated Annulus Volume Every 10 F3
- Integrated Annulus Volume Every 100 F3

MAIN PASS 5" = 100 FT.

Time Mark Every 60 S



2LU-217

5600

LCC

STIMULATION

5635' - 5645'

24,000 gals PW

2000 #s 14/30 LP

5700

5800

T/8A

7100

7200

STIMULATION

7250' - 7254'

7298' - 7304'

20,593 gals PW

16,403 #3 14/30 LP

72,280 gals Lightning
2500

178,958 #3 16/30

OTTOWA

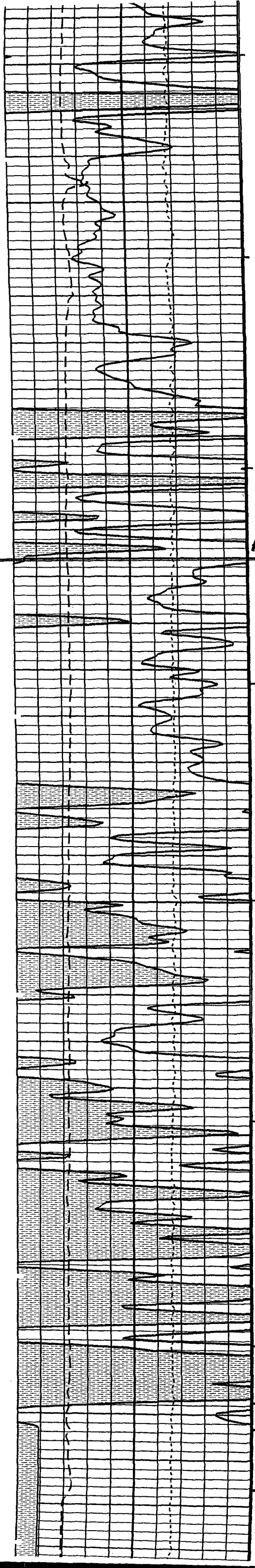
101,752 #3 16/30

SUPER LC

7300

BONE
SPRING

LU-217



7400

AVALON

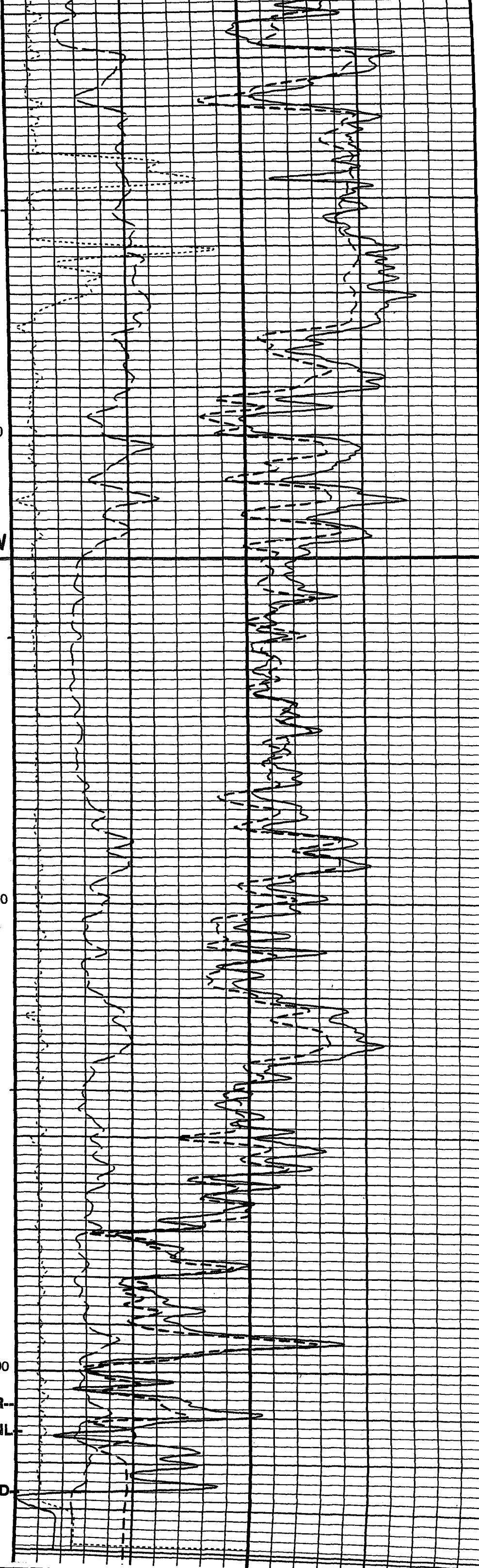
7500

7600

FR GR-

FR CNL

FR TLD



2U-217

Company: Bass Enterprises Production Company

Well: Poker Lake Unit #217

Field: Nash Draw (Delaware)

County: Eddy

State: New Mexico

Well: Poker Lake Unit #217

Field: Nash Draw (Delaware)

County: Eddy

Platform Express

Array Induction Tool

Micro-CFL / GR

1650' FSL & 660' FEL

Elev.: K.B. 3222.5 ft

G.L. 3202.2 ft

D.F. 3221.3 ft

Permanent Datum: Ground Level

Log Measured From: Kelly Bushing

Elev.: 3202.2 ft

20.3 ft above Perm. Datum

Drilling Measured From: Kelly Bushing

API Serial No. 30-015-33863

Section 19

Township 24S

Range 30E

Logging Date 4-Mar-2005

Run Number One

Depth Driller 7640 ft

Schlumberger Depth 7646 ft

Bottom Log Interval 7638 ft

Top Log Interval 3492 ft

Casing Driller Size @ Depth 7.000 in @ 3495 ft

Casing Schlumberger 3492 ft

Bit Size 6.125 in

Type Fluid In Hole Fresh Water

Density Viscosity 8.7 lbm/gal 29 s

Fluid Loss PH 9.5

Source Of Sample Circulation Tank

RMF @ Measured Temperature 0.182 ohm.m @ 59 degF

RMF @ Measured Temperature 0.182 ohm.m @ 59 degF

RMF @ Measured Temperature @ @

Source RMF FMC

RMF @ MRT 0.088 @ 130 0.088 @ 130

Maximum Recorded Temperatures 130 degF

Circulation Stopped Time 4-Mar-2005 7:00

Logger On Bottom Time 4-Mar-2005 13:30

Unit Number 2222 Midland

Recorded By Trevor Johnson

Witnessed By Simianne Hayden

AIT-H 20 Inch Investigation (AHT20)

2000

0.2

(OHMM)

AIT-H 90 Inch Investigation (AHT90)

2000

0.2

(OHMM)

PIP SUMMARY

Integrated Borehole Volume Every 100 F3

Integrated Annulus Volume Every 100 F3

MAIN PASS 2" = 100 FT.

Time Mark Every 60 S

Format: 2_res Vertical Scale: 2" per 100'

Graphics File Created: 04-Mar-2005 14:22

OP System Version: 12C0-301

MCM

HILTB-FTB 12C0-301

DTC-H 12C0-301

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_016LUP FN:15 PRODUCER 04-Mar-2005 14:22

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_016LUP FN:15 PRODUCER 04-Mar-2005 14:22 7644.0 FT 0.0 FT

OP System Version: 12C0-301

MCM

HILTB-FTB 12C0-301

DTC-H 12C0-301

Changed Parameter Summary

DLIS Name

New Value

Previous Value

Depth & Time

GCSE

BS

HCAL

3459.8 15:54:20

PIP SUMMARY

Integrated Borehole Volume Every 10 F3

Integrated Borehole Volume Every 100 F3

Integrated Annulus Volume Every 10 F3

Integrated Annulus Volume Every 100 F3

MAIN PASS 5" = 100 FT.

Time Mark Every 60 S

Cable Tension (TENS)

10000 (LBF)

0

HRMS Caliper (HCAL)

4 (IN)

14

GR (GR)

0 (GAPI)

100

Gamma Ray on Backup

CASING

AIT-H Mud Full Cal (AHMF)

200

0.02

(OHMM)

AIT-H 90 Inch Investigation (AHT90)

2000

0.2

(OHMM)

AIT-H 60 Inch Investigation (AHT60)

2000

0.2

(OHMM)

AIT-H 30 Inch Investigation (AHT30)

2000

0.2

(OHMM)

AIT-H 20 Inch Investigation (AHT20)

2000

0.2

(OHMM)

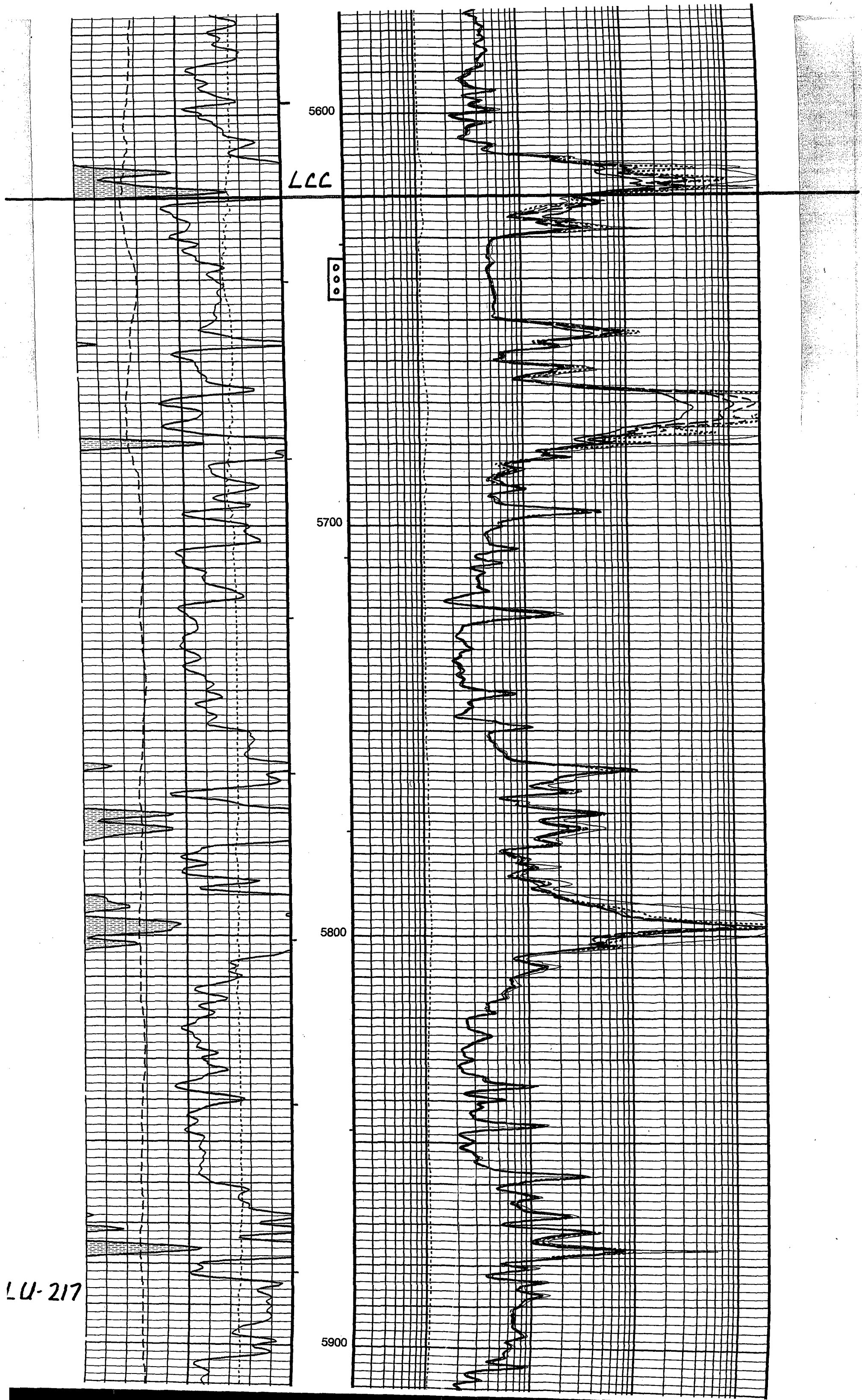
AIT-H 10 Inch Investigation (AHT10)

2000

0.2

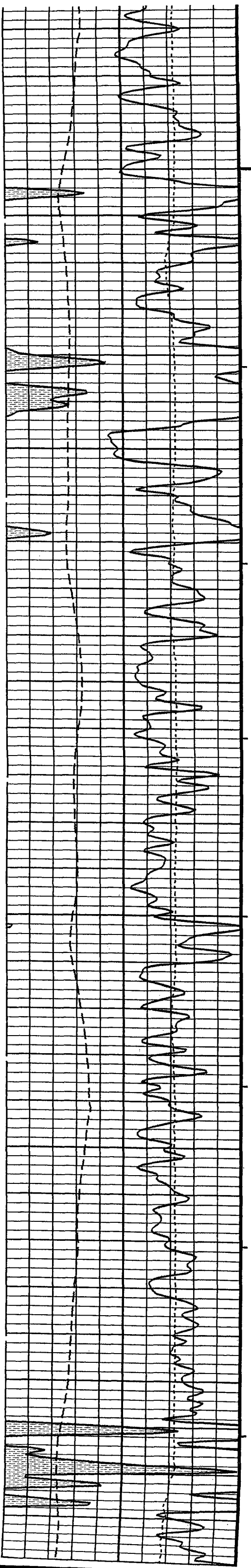
(OHMM)

LU-217



LCC

000

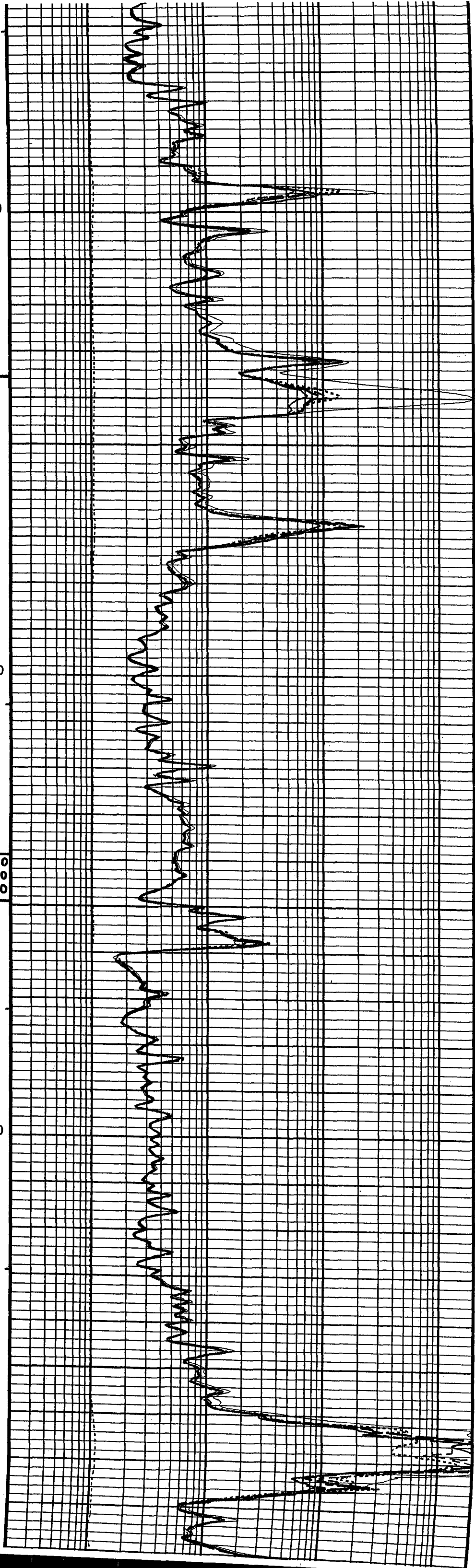


6800

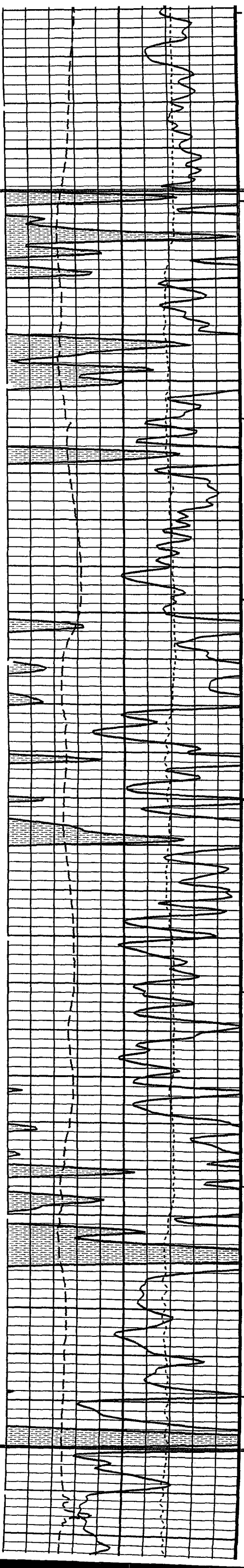
6900

7000

7100



PLU-217



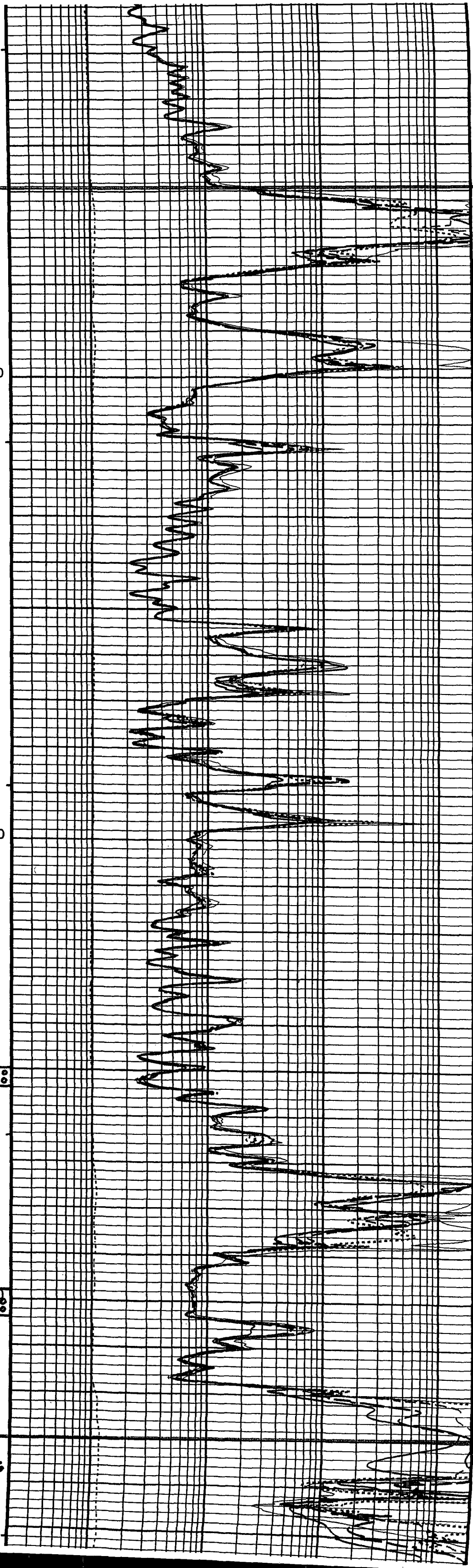
T/8A

7100

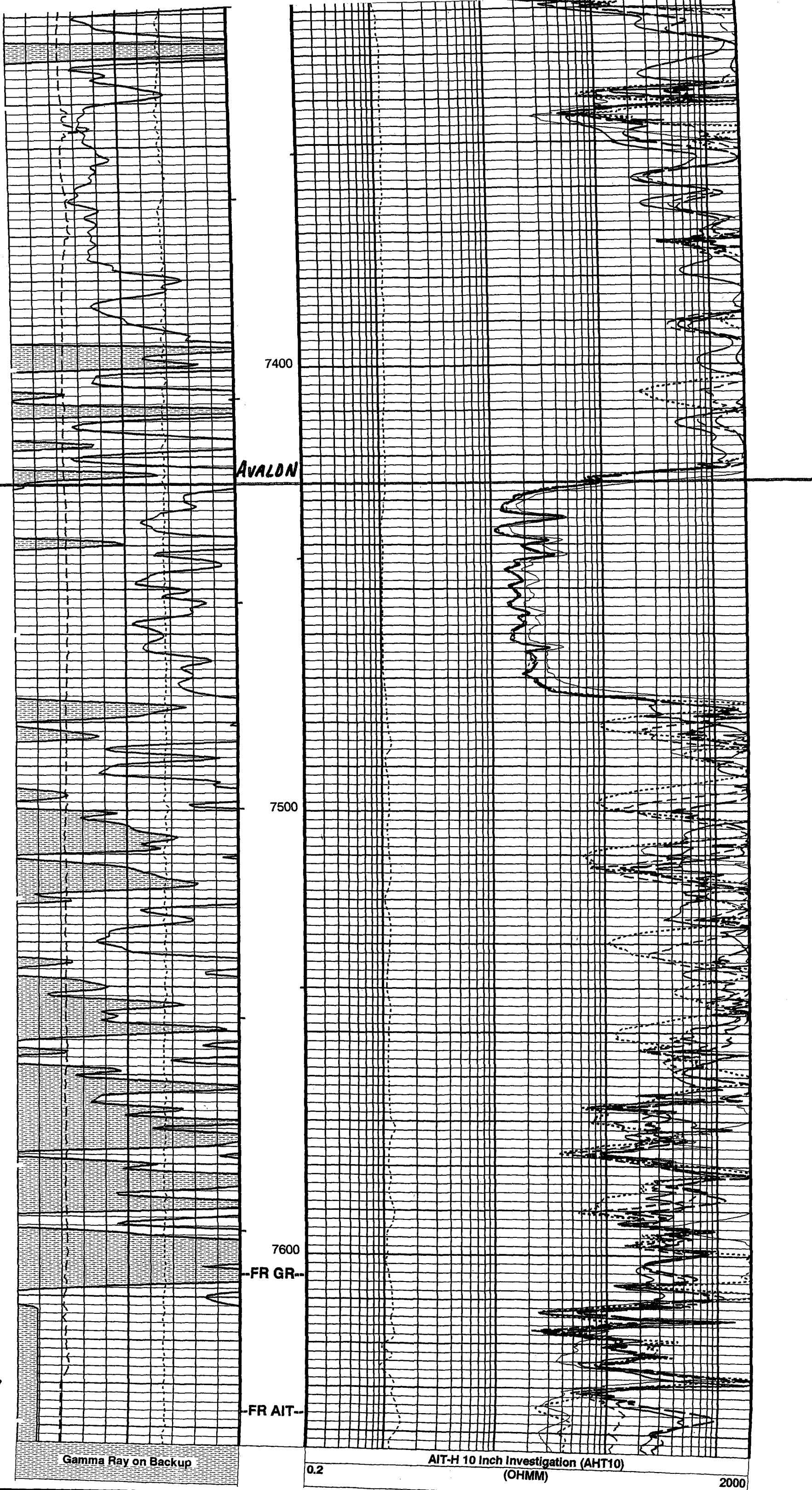
7200

7300

BONE
SPRING



PLU-217



7400

AVALON

7500

7600

FR GR--

FR AIT--

Gamma Ray on Backup

AIT-H 10 Inch Investigation (AHT10)
(OHMM)

0.2

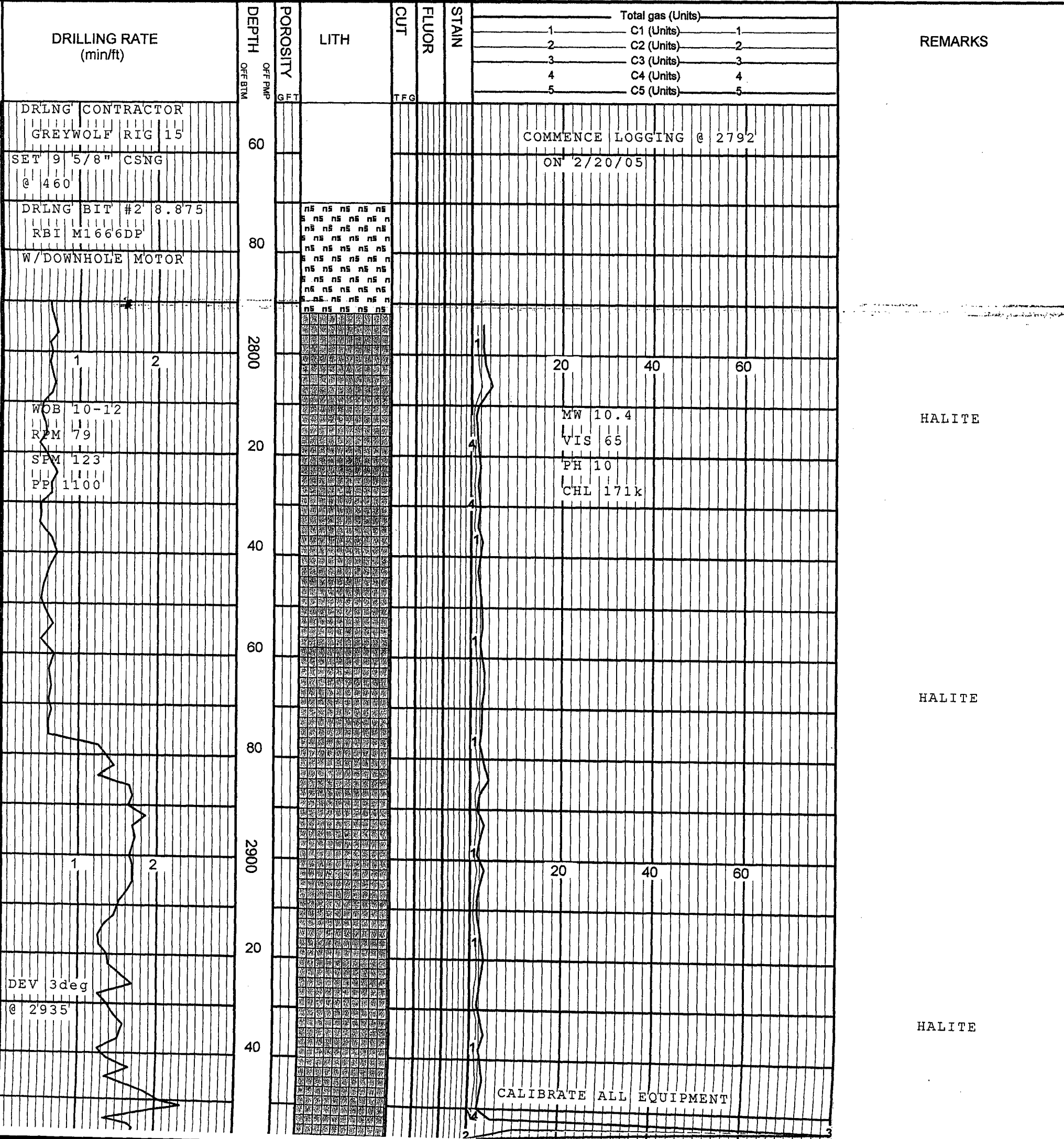
2000

Company: BASS ENTERPRISES PRODUCTION COMPANY
Well: POKER LAKE UNIT #217
Location: Sec: 19 Twn: 24S Rge: 30E Blk:
Survey: 1650'FSL&660'FEL API:
County: EDDY State: NEW MEXICO
Elevation: KB: 3222' GL: 3202'
Contractor: GREYWOLF #15 Spud Date:
Depth Logged: From: 2792' To: 7640'
Date Logged: From: 2/20/05 To: 3/4/05
Logger: THOMPSON / BEEMAN Unit: 10

MORCO GEOLOGICAL SERVICES
Carlsbad, New Mexico - (800) 748-2340

	Shale		Limestone		Salt
	Siltstone		Dolomite		Igneous
	Sandstone		Anhydrite		Metamorphic
	Conglomerate		Chert		No Sample

Total Gas Calibration: 100 Gas Units = 1% Methane Equivalent
Chromatograph Calibration: 1 Unit = 100 ppm of each component:
Total Gas Detector Type: Catalytic Combustion Filament (Hot Wire)
Chromatograph Type: Catalytic Combustion Filament (Hot Wire)
Extractor Evacuation Rate: 10 Standard Cubic Feet per Hour



AJT/RLK

VCB 30

RPM 95

SPM 120

PP 2000

DRILL RATE

DIFF PRESS.

CHANGE WOB

CALIBRATE EQUIPMENT

SHOW REPORT

MW 8.6

VIS 28

PH 9

CHL 17K

CARBIDE LAG 25 MIN @ 110SPM

SH:brn,lt brn,blk blk
sme erthy aren tr
calc vfn free pyrt
SS:lt gry,frstd,clr
vfn gr, sub rnd-sub
ang,lsly consol-sme
unconsol,well srtd
frly cmtd,calc/cly
mtrx

SS:clr,lt gry,frstd
vfn gr,tr fn gr,sub
rnd-rnd,pred unconsol
frly srtd,prly cmtd
70-80% gld flour,fr
fst even mlky ylw
wet cut

LS:tn,lt brn,crm-off
wht,vfn xln,frm,tr
chlky,mott,tr aren
in prt,tr arg in prt

SH:drk brn,brn,drk gry
blk,frm-mod hrd,rthy
tr slty,tr lmy in prt
vfn mica,thru out,tr
pyr

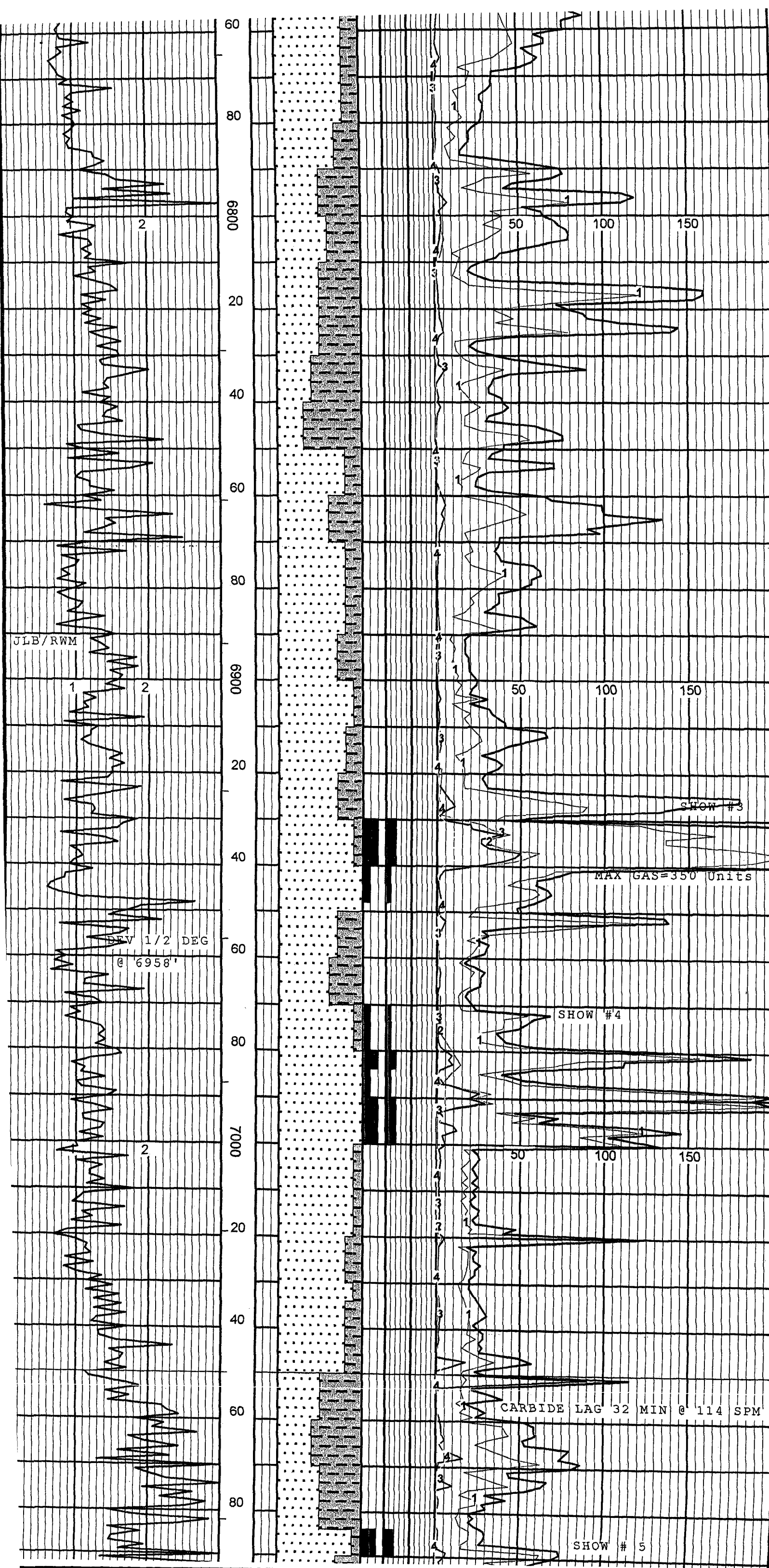
SS:clr,lt gry,frstd
vfn gr,sub rnd-sub
ang,unconsol,tr lsly
consol,wll srtd,prly
cmtd,tr free wht clys

SS:clr,frstd,lt gry
vfn gr,sub rnd-rndd
tr sub ang,pred
unconsol,wll srtd,prl
prly cmtd,60-70% gld
fluor,fr fst even
mlky ylw wet cut

SH:drk gry,drk brn,brn
,drk gry,blk,blk,frm-
mod hrd,dll rthytr
slty,tr vfn mica,tr
pyr,sme wht clys thru
out

SS:frstd,clr,lt gry
vfn gr,sub rnd-rndd
sme sub ang,lsly
consol-sme unconsol
wll srtd,frly cmtd,
calc/cly mtrx

PLU-217



frly srted, frly cmtd
calc/cly mtrx

SH: drk brn, brn, drk gry
blky, frm-mod hrd, rthy
tr slty, vfn mica, tr
pyr

SS: frstd, lt gry, clr
vfn-fn gr, occ med gr
sub rnd-rndd, sub ang
pred unconsol, tr lsly
consol, frly srted, frly
cmtd, calc mtrx, fr amt
free wht clys

SH: brn, lt brn, blk, drk
brn frm-hrd erthy,
aren scat vfn-fn pyr

SS: frstd, wht, tr gry vf
gr pred unconsol sme
lsly consl subrnd-sub
ang sme rnd tr calc
vfn argl

SS: clr, lt gry, gry, vfn
gr, occ fn gr, lsly-
unconsol, subrnd-rndd,
abndt free gry-wht
clay, 20-40% brt yell
fluor, tr-fr fst even
mlky-yell wet cut, sme
fltng grs

SH: drk brn, v/drk brn,
sme drk gry, blky, carb
erthy, sme dull

SS: clr, lt gry, gry, vfn
gr, lsly consl, subrnd-
rndd, well srted, abndt
free wht-gry mott cly
20-30% brt yell fluor
tr-fr mlky-yell wet
cut, fltng grs

SH: brn, drk brn, tr blk
frm, hrd, blky calc sme
aren

SS: clr, wht, frstd, vfn
gr lsly consl sme
unconsol subrnd-rnd-
well-frly srted sme
free wht/gry, mott
clay

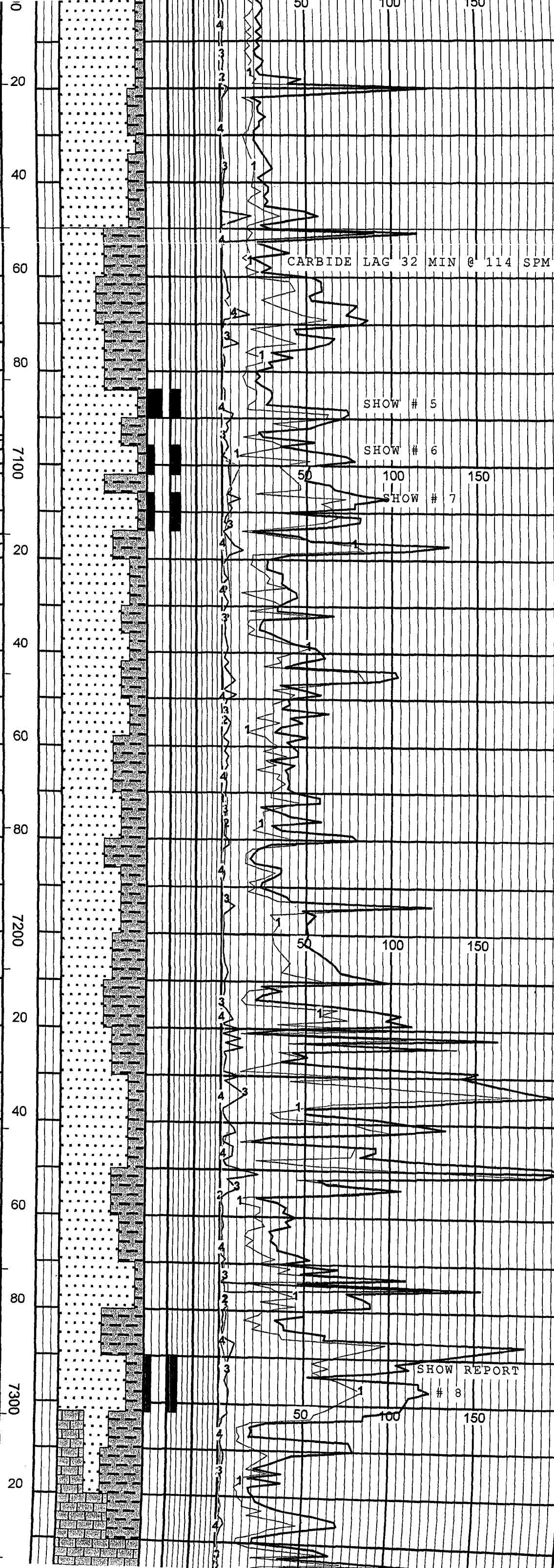
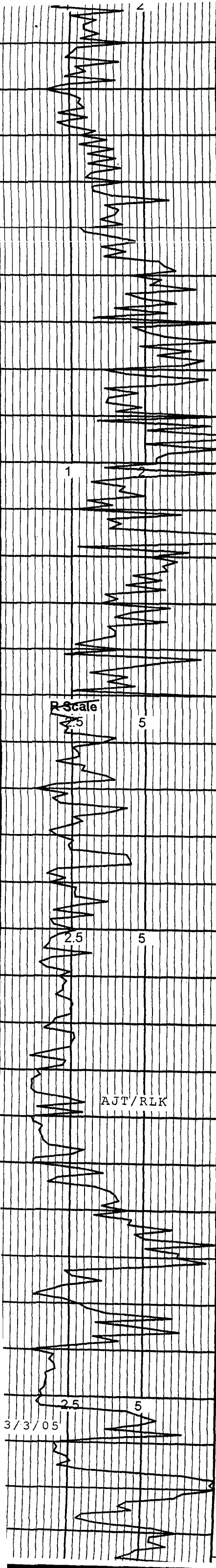
SH: brn, drk brn, blk hrd
blky, sme erthy, tr
aren vfn free pyrt

SS: clr, frstd, wht vfn
gr lsly consl, subrnd-

PLU-217

CARBIDE LAG 32 MIN @ 114 SPM

SHOW # 5



cut, fltng grs

SH: brn, drk brn, tr blk
frm, hrd, blk calc sme
aren

SS: clr, wht, frstd, vfn
gr lsly consl sme
unconsl subrnd-rnd-
well-frly srted sme
free wht/gry, mott
clay

SH: brn, drk brn, blk hrd
blk, sme erthy, tr
aren vfn free pyrt

SS: clr, frstd, wht vfn
gr lsly consl, subrnd-
rnd fr-well srted, abdt
free gry/wht clay, 20-
30% brt yell fluor tr
fr mlky yellw wet cut

SS: clr, frstd, wht vfn
gr lsly-unconsl s/rnd
rnd, well srted sme gry
wht/mott clay 20-30%
dull yllw fluor tr fr
mlky yellw wet cut

SH: brn, drk brn, lt brn,
tr blk frm-mod hrd
blk, sme erthy, aren
sme vfn pyrt

SS: frstd, clr, wht vfn-
gr sme fn grn pred
unconsl-consl subrnd-
rnd sme subang-subrnd
fr srted sme wht/gry
clay

SH: brn, drk brn, tr grn
frm blk, erthy tr
aren

SS: clr, frstd, lt gry
vfn gr, sub rnd-sub
ang, sme rndd, unconsl
sme lsly consl, wll
srted, frly cmted, calc
mtrx, sme free wht/gry
clys, no vis fluor or
cut

CARBIDE LAG 38min
@ 112 SPM

SS: clr, lt gry, frstd,
vfn gr, sub rnd-sub
ang, unconsl-lsly
consl, wll srted, frly
cmted, calc/cly mtrx
abndnt wht clys thru
out, 30-40% brt ylw
fluor, tr slw mlky ylw
wet cut

PLU-217

LS: brn, lt brn, drk brn

3/3/05

TOH NB#7 6 1/8
RBIC47CRSE

JLB/RWM

TRIP GAS 370 UNITS MAX

Scale Change

100 200 300

100 200 300

SHOW #9

100 200 300

100 200 300

C.O. FOR E-LOGS

fluor, tr slw mlky ylw
wet cut

LS: brn, lt brn, drk brn
vfn xln, frm, mott, arg
in prt, dns, cln, sme
vfn pyrt

LS: crm, off wht, wht, tn,
brn, drk brn vfn-mic
xln, dns, cln, tr chlky
sme argl

SH: drk brn, blk, brn, drk
gry, gry, blk, tr flky
hrd, erthy, tr calc,
sme mica, carb, tr chrt

LS: tn, crm, off wht, lt
brn, brn vfn-mic xln
dns, cln, sme chlky, tr
argl

SS: tn, lt gry, frstd, clr
vfn gr, sub rnd-aub
ang, lsly consol-sme
unconsol, wll srted,
frly cmted, calc mtrx
30-40% brt ylw-dull
gld fluor, tr slw mlky
ylw wet cut

SS: tn, lt gry, frstd, clr
vfn gr, sub rnd-sub an
ang, lsly-titly consol
sme unconsol, wll srted
wll cmted, calc mtrx
50-60% gld fluor, fr
fst flsh even brt
mlky ylw wet cut

SH: blk, drk brn, drk gry
blk, frm, slty, carb, tr
lmy, tr flky,

LS: drk brn, brn, gry, fn-
med fn xln, mott, arg
in prt

SH: drk brn, drk gry, blk
blk, frm, slty, lmy in
prt

LS: drk brn, brn, tn, off
wht, vfn xln, fn xln,
frm, tr chlky, mott, arg
in prt

PLU-217

TD DRILLERS
DEPTH 7640