Company: Devon Energy Corporation (Nevada)
Well: Inexco 17-2
Disk file: INEXCO17.RST
Comment: New Completion

User: W.M. Frank
Date: 19-May-98

INPUT DATA

Strokes per minute: 7.0
Run time (hrs/day): 24.0
Tubing pres. (psi): 150.0
Casing pres. (psi): 50.0
Fluid level (ft from surface): 2300
(ft over pump): 0
Stuf.box fr. (lbs): 100

Fluid properties

Water cut: 80%
Water sp. gravity: 1.05
Oil API gravity: 42.0
Fluid sp. gravity: 1.003

Motor & power meter

Power meter: Detent
Electr. cost: $.06/KWH
Type: NEMA D

Unit: American "The Producer"; SN CONTAINS: "3TC"

API size: C-228-143-144 (unit ID: CAP59)
Crank hole #2 (out of 3)
Calculated stroke length (in): 122.3
Rotation with well to right: CCW
Max. CB moment (M in-lbs): Unknown
Structural unbalance (lbs): -1150
Crank offset angle (deg): 0.0

Tubing and pump information

Tubing O.D. (in): 2.375
Tubing I.D. (in): 1.995
Rod-tub. frict.: 0.54(up)
0.54(dn)

Pump depth (ft): 2300.0
Pump condition: Full
Pump type: Insert
Plunger size (in): 1.5
Tubing is not anchored
Pump load adj. (lbs): 0
Pump vol. efficiency: 85%

Rod string design (rod tapers calculated)

Diameter (inches)	Rod Grade	Length (ft)	Tensile Strength (psi)
0.75	Norris78	2300	130000

CALCULATED RESULTS

Peak pol. rod load (lbs): 6849
Min. pol. rod load (lbs): 2359
System eff. (Motor->Pump): 39%
Fluid load on pump (lbs): 1942
Buoyant rod weight (lbs): 3501
Production rate (BFPD): 183
Balanced minimum required motor HP: 8.8
Polished rod HP: 5.3
Unit struct. loading: 48%
M/Mo':0.066, Fo/SKr:0.033

Required prime mover size (speed var. not included) — BALANCED

NEMA D motor: 10 HP
Single/double cyl. engine: 10 HP
Multicylinder engine: 10 HP

Torque analysis and electricity consumption — BALANCED

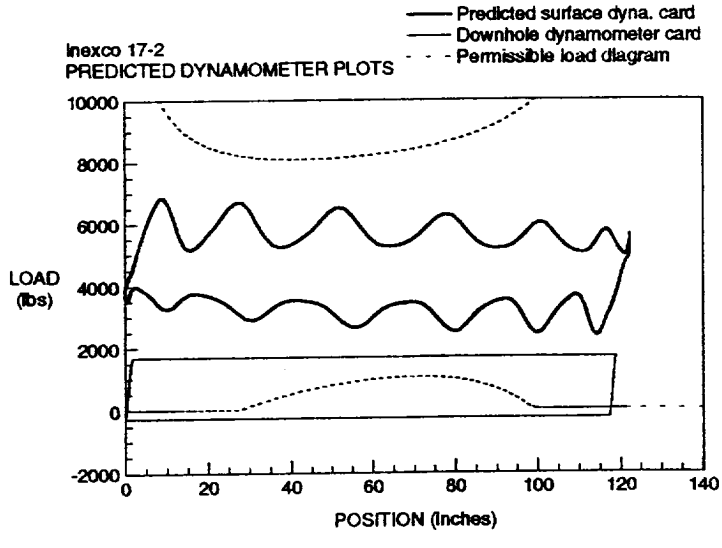
Peak g'box torq. (M in-lbs): 147
Gearbox loading: 65%
Cyclic load factor: 1.51
Max. CB moment (M in-lbs): 355.60
Counterbalance effect (lbs): 4901
Daily electr. use (KWH/day): 143
Monthly electric bill: $262
Electr. cost per bbl. fluid: $0.047
Electr. cost per bbl. oil: $0.235

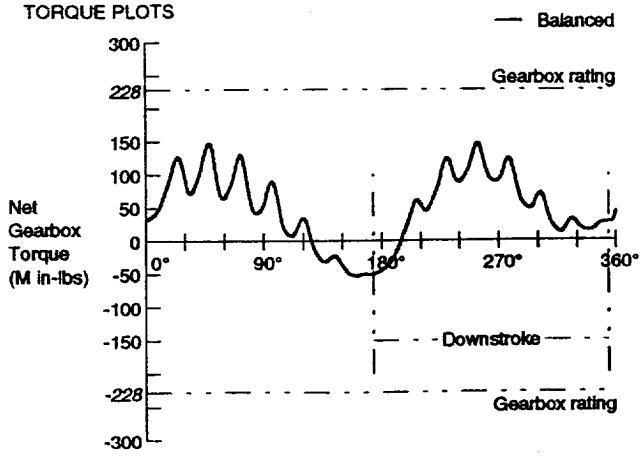
Tubing, pump and plunger calculations

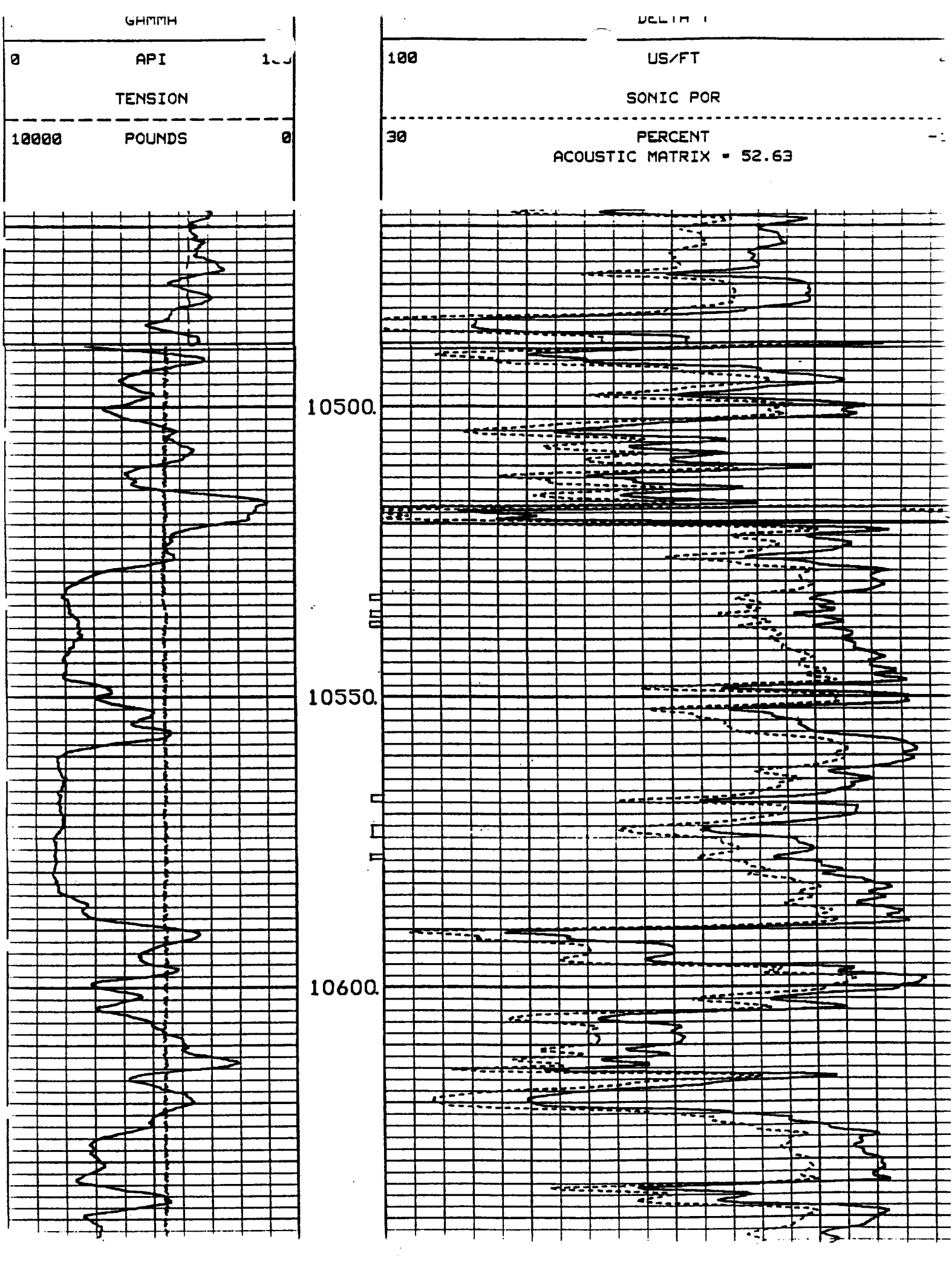
Tubing stretch (in): 1.3
Prod. loss due to tubing stretch (BFPD): 2
Gross pump stroke (in): 119
Pump spacing (in. from bottom): 6.9
Minimum pump length (ft): 14.0
Recommended plunger length (ft): 2.0

Rod string stress analysis (service factor: 1.0)

Stress Load %	Top Maximum Stress (psi)	Top Minimum Stress (psi)	Bot. Minimum Stress (psi)	Stress Calc. Method
32%	15276	5566	-1224	API RP






GAMMA
0
API
TENSION
10000
POUNDS
0
DELTA T
100
US/FT
SONIC POR
30
PERCENT
ACOUSTIC MATRIX = 52.63
10500.
10550.
10600.

SELMAN AND ASSOCIATES INC.

GEOLOGICAL HYDROCARBON LOGGING SERVICES
P O BOX 50304
MIDLAND, TEXAS 79710
OFFICE 915/561-9808
24 HOURS 915/563-8851

COMPANY:	BARBARA FASKEN		
WELL:	INEXCO FED. 17 NO.2	FIELD:	CATCLAW DRAW-MORROW
COUNTY:	EDDY	STATE:	NEW MEXICO
LOCATION:	2300' FSL & 1800' FEL SEC 17, T-21-S,R-26-E.		
LOGGER:	J.COOK J.		
INTERVAL:	-2112	TO: -11368	KELLY BUSHING: 3299
DATE	2/9/94	TO: 3/21/94	GROUND LEVEL: 3280
UNIT:	3	PHONE:	915 557 4821
WELL#:	790		

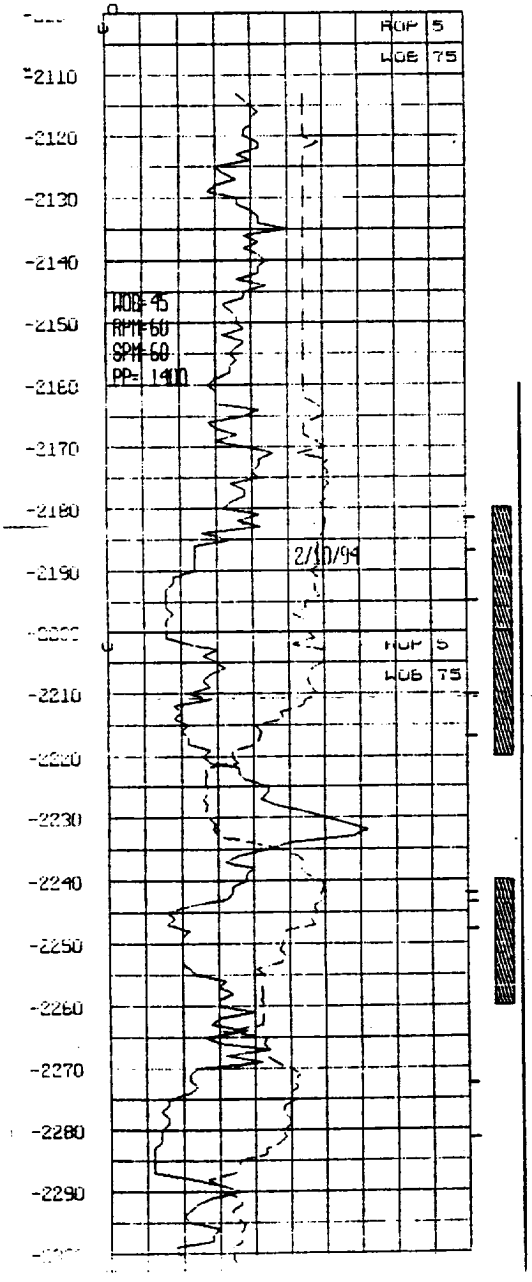
ANHYDRITE, CONGLOMERATE, GRANITE WASH, SHALE, CHERT, DOLOMITE, LIMESTONE, COAL, GRANITE, SALT, SILTSTONE

POROSITY-%CUT-FLUOR: TRACE, FAIR, GOOD

C-2 ETH(GREEN)
C-3 PROP(BLUE)
C-4 BUT(BROWN)
C-5 PENT(ORANGE)

TOTAL GAS
CUTTINGS(PURPLE)
HOTWIRE(RED)

DEPTH | DRILL RATE (MIN) | WOB(1000#) | POR | %CUT FLUOR | CUTTINGS | LITHOLOGY | GAS ANALYSIS (UNIT) | CUT GAS..



NO SAMPLES GOING THROUGH FLOW SCREEN

START TWO MAN OPERATION AT 2112' SET SURFACE 8 5/8' AT 2112' BIT NO.3 HTC ATF 35C DRILLING FRESH WATER PETERSON DRILLING RIG 1

SANDSTONE: CLR LTGY TN VFGR CONS TO LOOSE SUBANG TO SUBRNDED WELL SORTED WELL CEMENT SLI CALC CEMENT SM FRIABLE SM MOD DNS NODULES SM DRKR TN LTBRN OIL STN 35-40% BRT YELL FLUOR FAST MILKY CUT

SANDSTONE: LTGY CLR TN BUFF VFGR CONS SM LOOSE SUBANG SUBRND SM FRIABLE WELL SORTED SLI CALC TF 40% BRT YELL FLUOR FAST TR MILKY CUT TRACE POROSITY INTERGRAN

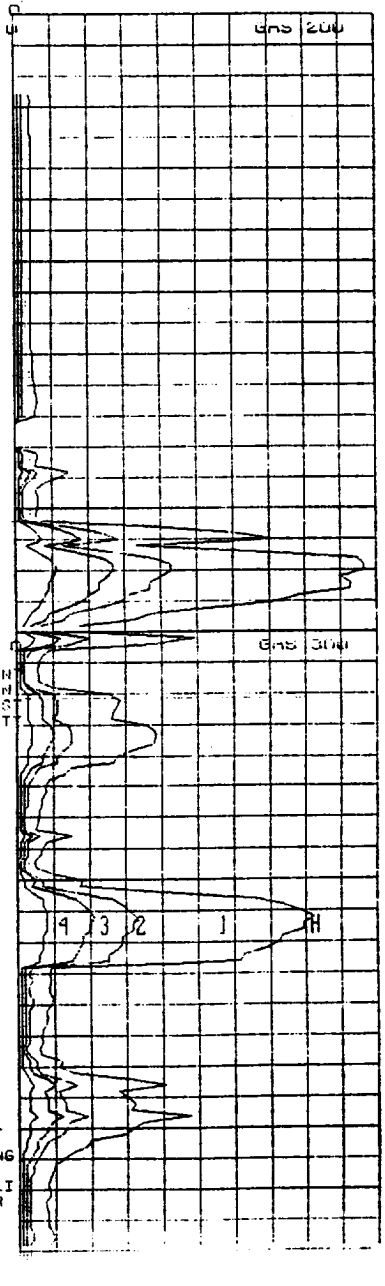
SANDSTONE: LTGY TN CLR SM WHT VFGR CONS SM LOOSE SUBANG SUBRNDED WELL CEMENT MOD SORTED CLN SM TN LTBRN STN 95% BRT GOLD FLUOR FAST MILKY CUT WET TRACE POROSITY INTERGRAN

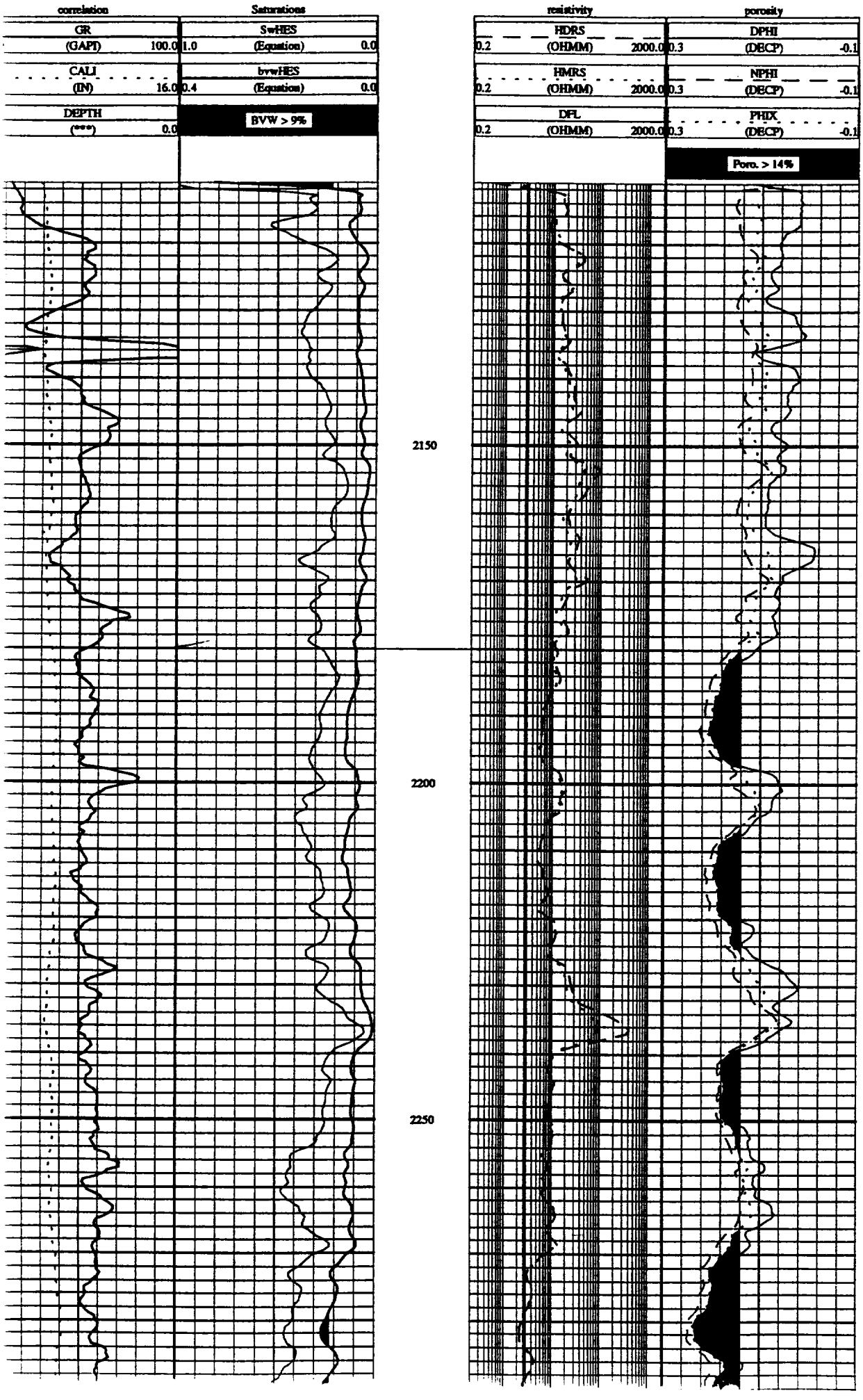
SILTSTONE: OFFWHT LTGY GY MOTT PLATY SFT TO FRM SM SNDY IP SM SLI GRITTY SM CARB INCLU
SANDSTONE: LTGY CLR TN CONS LOOSE SUBANG SUBRND FRIABEL CLN NO FLUOR NO CUT WELL CEMENT

SANDSTONE: TN BUFF OFFWHT LTGY VFGR CONS LOOSE WELL SORTED SUBANG TO SUBRNDED MOD CEMENT FRIABLE CLN SLI FROSTED QTZ GRN MIX BRT YELL FLUOR SLI TRACE MILKY CUT TRACE POROSITY THROUGH

SILTSTONE: OFFWHT LTGY GY MOTT PLATY SFT TO FRM SM SNDY IP SM SLI GRITTY SM CARB INCLU
SANDSTONE: LTGY CLR TN CONS LOOSE SUBANG SUBANG FRIABEL CLN NO FLUOR NO CUT WELL CEMENT

SANDSTONE: GY LTGY BUFF TN CLR VFGR CONS LOOSE SUBANG TO SUBRNDED WELL SORTED MOD CEMENT FRIABLE CLN SLI FROSTED QTZ GRNS NO FLUOR NO CUT WET OR DRY




correlation
Saturations
resistivity
porosity
GR
(GAPI) 100.0
CALI
(IN) 16.0
DEPTH
(***) 0.0
SwHES
1.0 (Equation) 0.0
bvwHES
0.4 (Equation) 0.0
BVW > 9%
HDRS
0.2 (OHMM) 2000.0
HMRS
0.2 (OHMM) 2000.0
DFL
0.2 (OHMM) 2000.0
DPHI
0.3 (DECP) -0.1
NPHI
0.3 (DECP) -0.1
PHIX
0.3 (DECP) -0.1
Poro. > 14%
2150
2200
2250