COUNTY	LOS ANGELES
FIELD	WILMINGTON
LOCATION	
WELL	18
COMPANY	XTRA ENERGY CORP

FINAL PRINT
Schlumberger

ELECTROMAGNETIC PROPAGATION

COMP E & B Natural Resources Management Corp.

037-22853

WELL “WNF-Z” 18

FIELD WILMINGTON

COUNTY LOS ANGELES STATE CALIFORNIA

LOCATION	
	LAMBERT COORDINATES
	N 4041 448
	E 4204 720

API SERIAL NO.	SEC.	TWP	RANGE
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Other Services:
DI/SFL
FDC/CNL/GR

Permanent Datum: GROUNG LEVEL ; Elev.: 38
Log Measured From K.B 22 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 60
D.F. --
G.L. 38

Date	04-23-83			
Run No.	ONE			
Depth—Driller	4765			
Depth—Logger (Schl.)	4770			
Btm. Log Interval	4751			
Top Log Interval	2703			
Casing—Driller	10 3/4@ 603	@	@	@
Casing—Logger	603			
Bit Size	9 7/8			
Type Fluid in Hole	CLAYBASE			
Dens. | Visc.	10.0 | 46			
pH | Fluid Loss	9.5 | 4.4ml	ml	ml	ml
Source of Sample	MUDPIT			
Rm @ Meas. Temp.	1.72 @ 86 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.83 @ 71 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.77 @ 70 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	FILTER | PRESS			
Rm @ BHT	1.20 @ 126°F	@ °F	@ °F	@ °F
TIME Circulation Stopped	1200 4-23			
TIME Logger on Bottom	2030 4-23			
Max. Rec. Temp.	126 °F	°F	°F	°F
Equip. | Location	8297 | 4404			
Recorded By	M. MACGLASHAN			
Witnessed By	MR. WRIGHT			

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

Run No.	ONE			
Service Order No.	376121			
API Serial No.	--			
Fluid Level	FULL			

REMARKS:

EQUIPMENT DATA

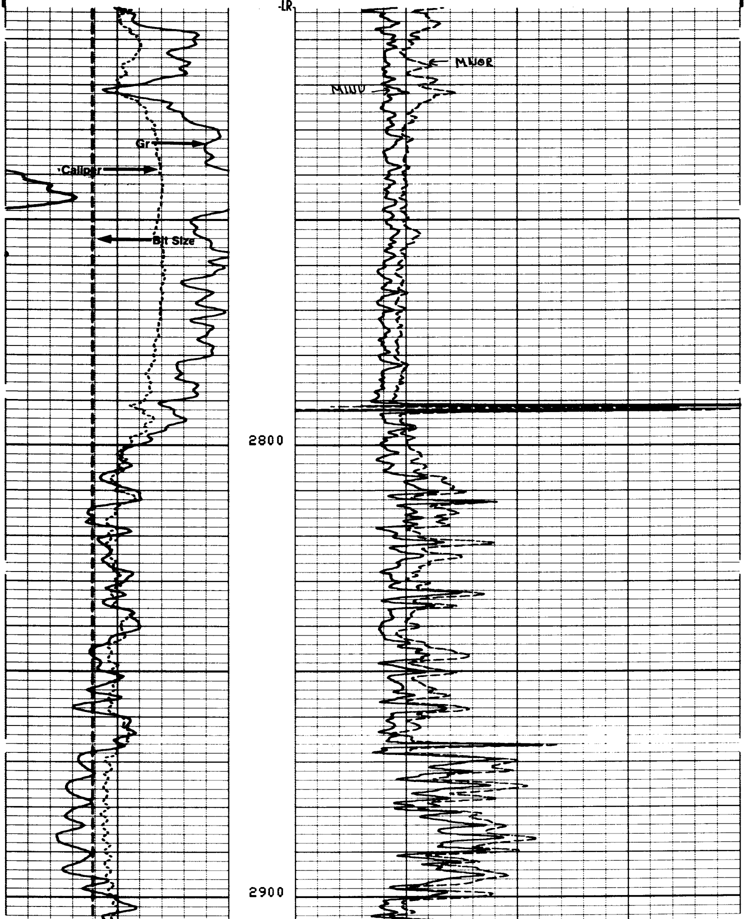
	SGC-PA-44	PCC-2	EPC-PA-54	
	PCM-73	CCC-AB-855	EPS-CA-41	

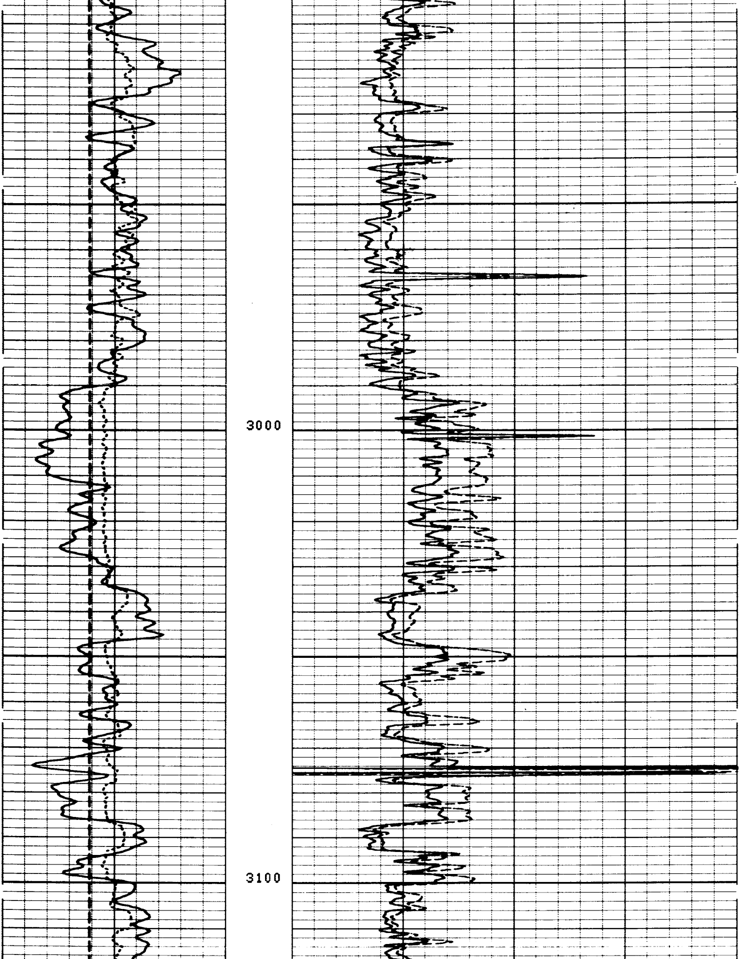
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

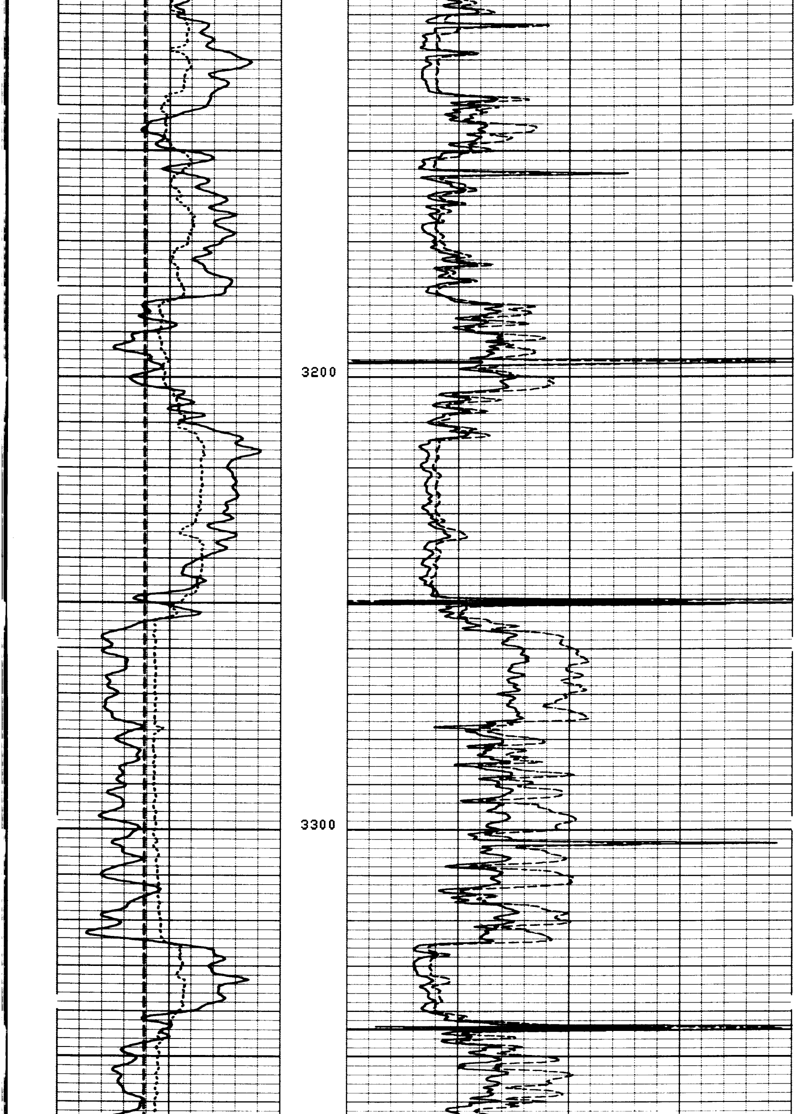
DUMM( )	6.0000	16.000
GR (GAPI)	50.000	150.00
HD (IN)	6.0000	16.000
MNOR(OHMM)	0.0	10.000
MINV(OHMM)	0.0	10.000

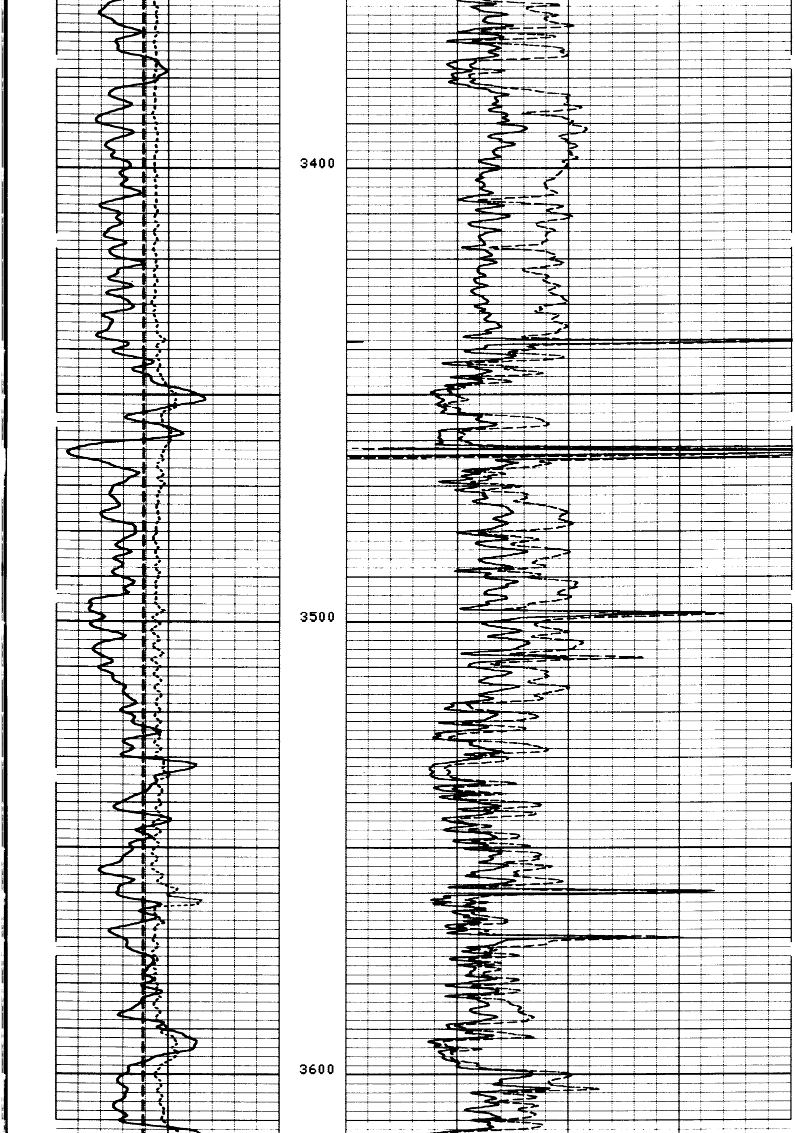
FILE

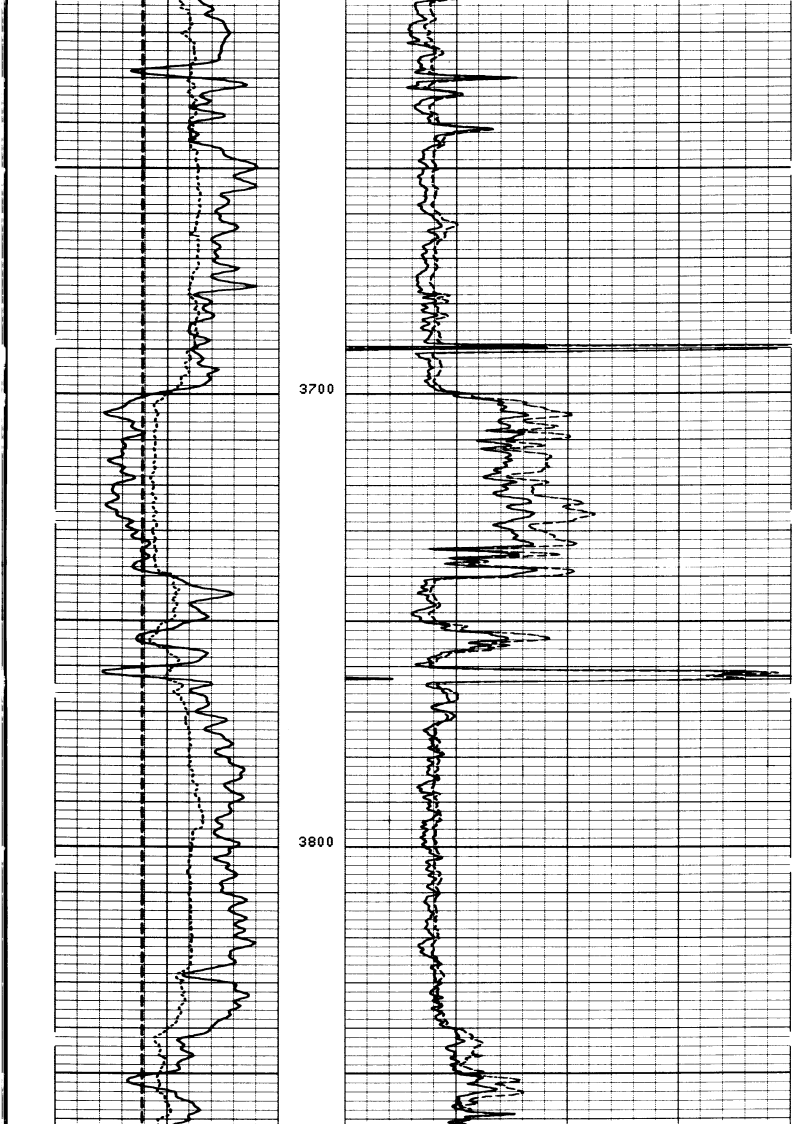
102

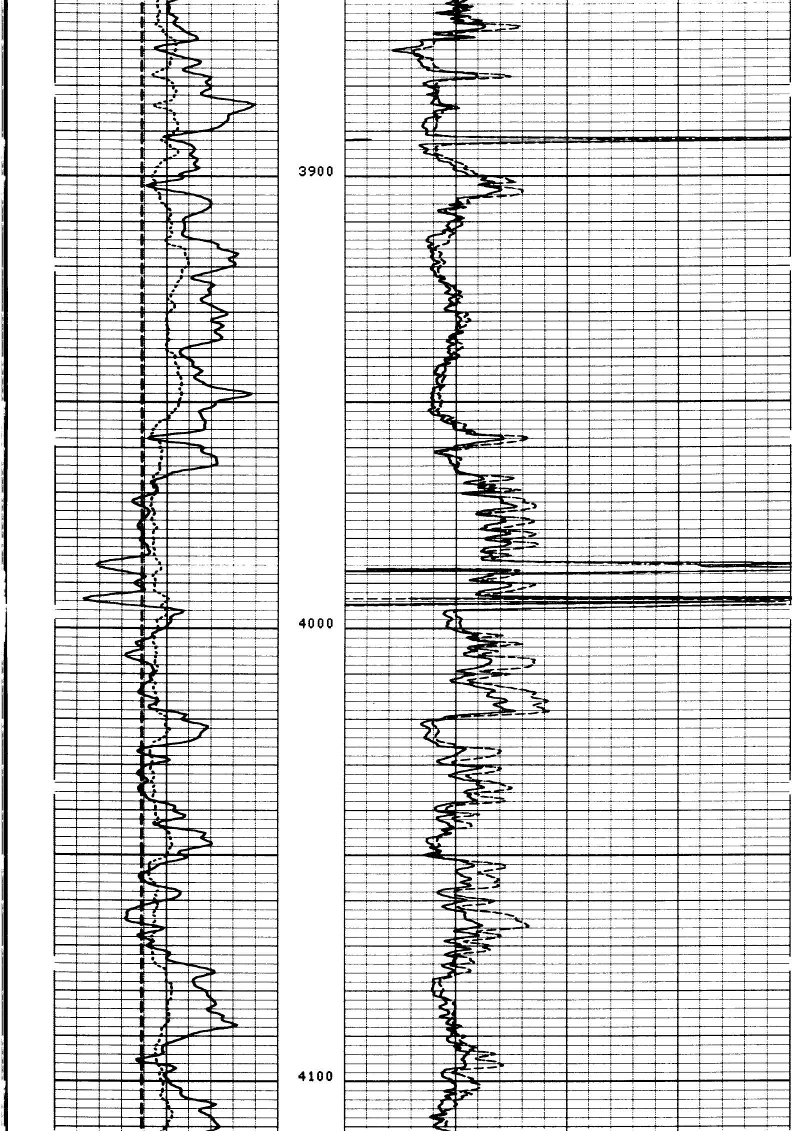


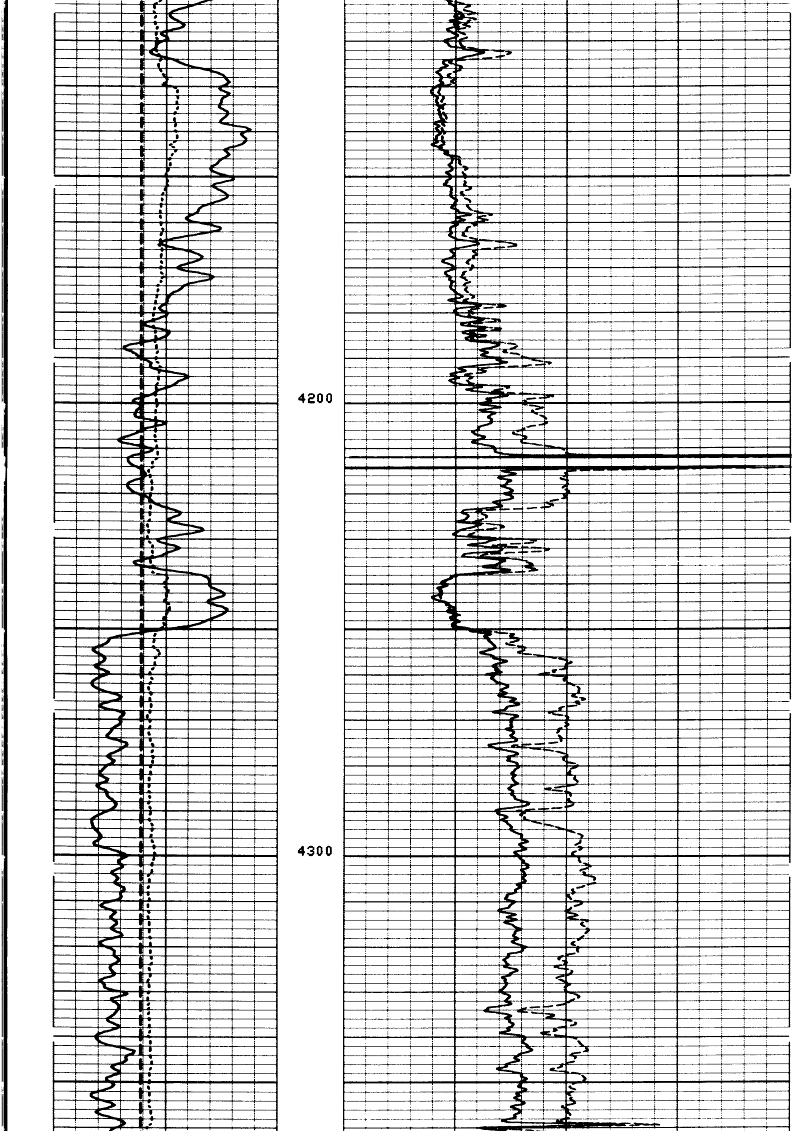


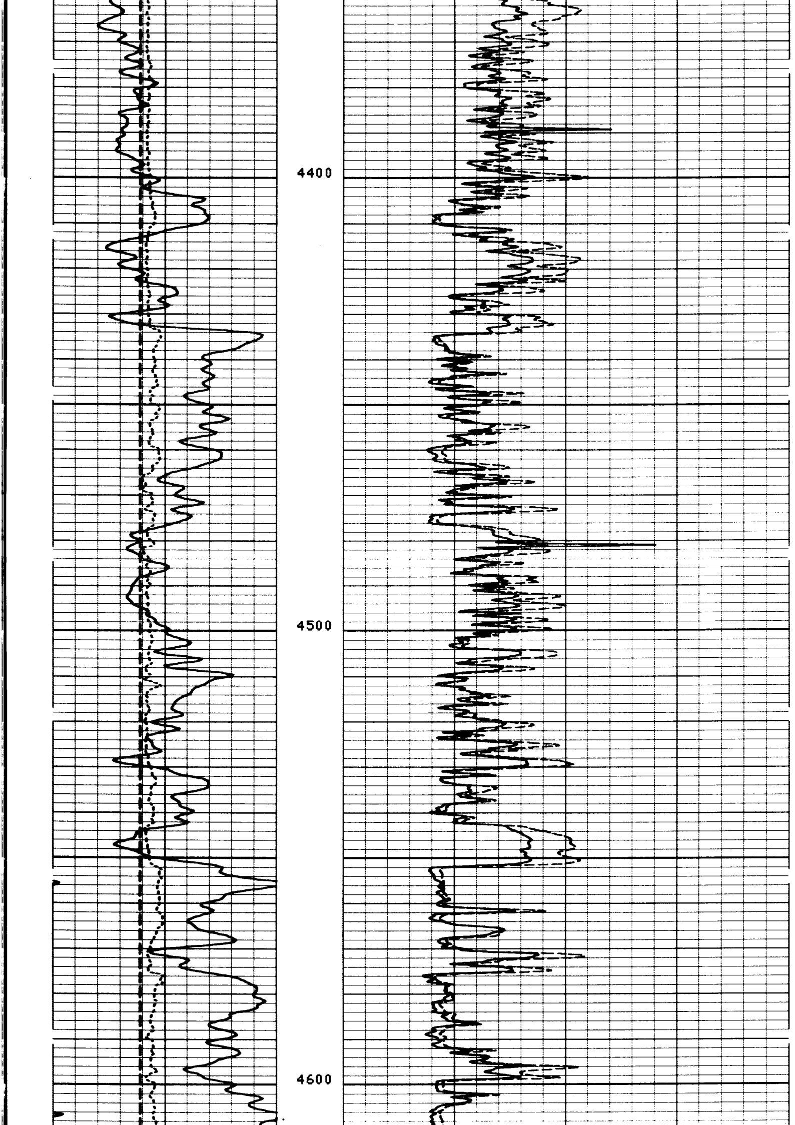


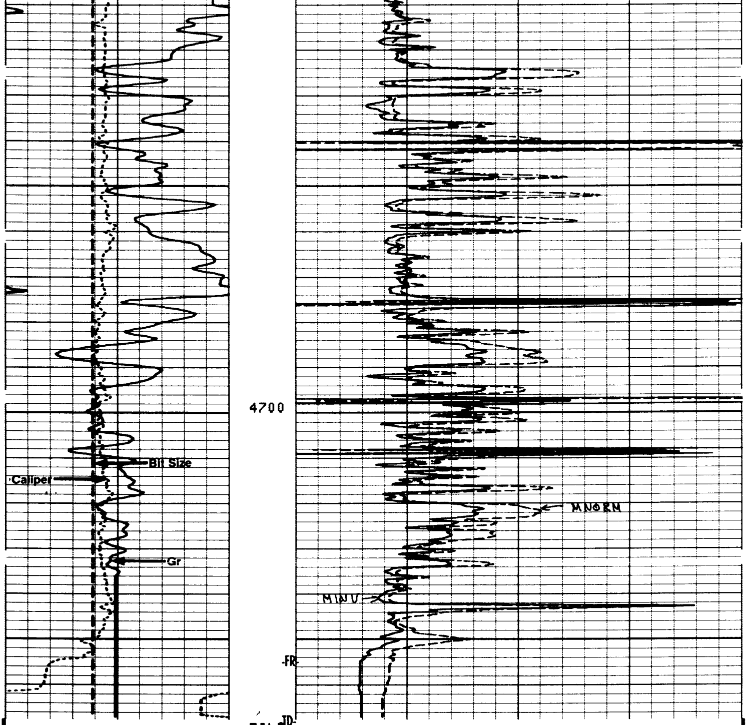












FILE

102

DUMM( )
6.0000 16.000
GR (GAPI)
50.000 150.00
HD (IN)
6.0000 16.000

MNOR(OHMM)
0.0 10.000
MINV(OHMM)
0.0 10.000

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

LA	1.7	FEET	GR	31.1	FEET
SPCD	1.7	FEET	SA	1.7	FEET
FVU	6.3	FEET	TENS	.0	FEET
NVU	6.3	FEET	FVD	6.3	FEET
PSU	6.3	FEET	NVD	6.3	FEET
MINV	1.7	FEET	PSD	6.3	FEET
MNOR	1.7	FEET			

PARAMETERS

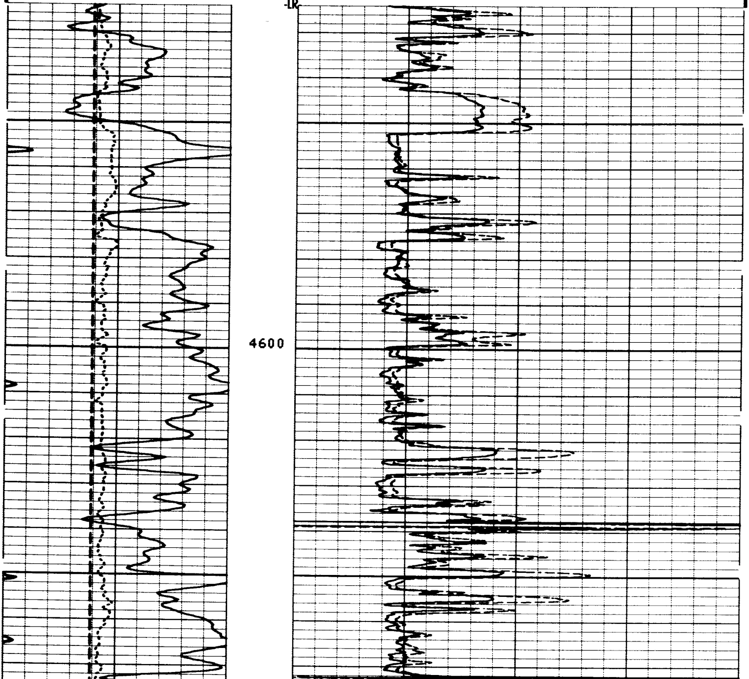
NAME	VALUE	UNIT	NAME	VALUE	UNIT
PC	90.0000	DEG	BS	9.87500	IN
EMAT	9.10000		DHT	250.000	DEG
BHS	OPEN		FNUM	0.810000	
DO	0.0	F			

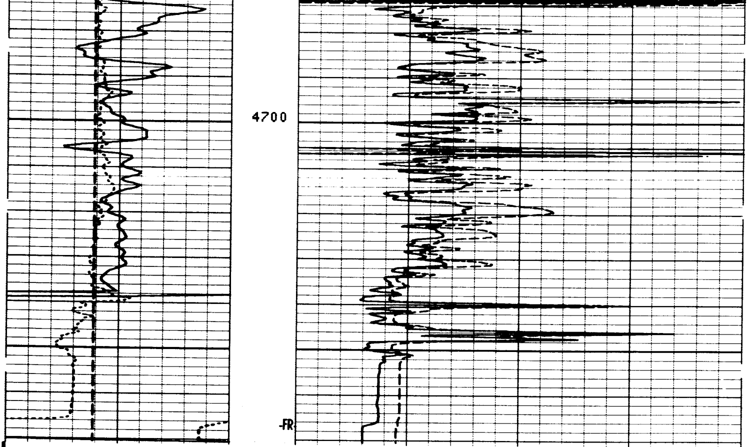
DUMM( )
6.0000 16.000
GR (GAPI)
50.000 150.00
HD (IN)
6.0000 16.000

MNOR(OHMM)
0.0 10.000
MINV(OHMM)
0.0 10.000

FILE
101

REPEAT SECTION





FILE

101

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SENSOR MEASURE POINT TO TENSION REFERENCE POINT

LA	1.7	FEET	GR	31.1	FEET
SPCD	1.7	FEET	SA	1.7	FEET
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NVU	6.3	FEET	FVD	6.3	FEET
PSU	6.3	FEET	NVD	6.3	FEET
MINV	1.7	FEET	PSD	6.3	FEET
MNOR	1.7	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PC	90.0000	DEG	BS	9.87500	IN
EMAT	9.10000		DHT	250.000	DEG
BHS	OPEN		FNUM	0.810000	
DO	0.0	F			

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                   AFTER SURVEY TOOL CHECK SUMMARY


   PERFORMED:      83/04/23
   PROGRAM FILE: LEP18  (VERSION    22.44   82/09/01)


 PCDB                         TOOL   CHECK

                    ZERO                       PLUS
             BEFORE         AFTER        BEFORE       AFTER     UNITS
   MINV       0.0            0.0           5.0          5.0     OHMM
   MNOR       0.0            0.0           5.0          5.0     OHMM
                          FILE

                           11
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                   BEFORE SURVEY CALIBRATION SUMMARY


   PERFORMED:      83/04/23
   PROGRAM FILE: LEP18  (VERSION    22.44   82/09/01)


 SGTK               DETECTOR CALIBRATION SUMMARY

               MEASURED
             BKGD    JIG        CALIBRATED          UNITS
    GR        42     169           165              GAPI


 PCDB               ELECTRONICS CALIBRATION SUMMARY

               MEASURED                      CALIBRATED
             ZERO    PLUS                  ZERO      PLUS         UNITS
   MINV       0.0     4.4                   0.0       5.0         OHMM
   MNOR       0.0     3.3                   0.0       5.0         OHMM


 PCDB               CALIPER CALIBRATION SUMMARY

               MEASURED                      CALIBRATED
             SMALL   LARGE                 SMALL     LARGE        UNITS
    LA        3.4    13.5                   8.0      16.0          IN
    SA        4.0     9.1                   0.0       5.5          IN
                       FILE
```

CALIBRATION RECORD

COMPANY XTRA ENERGY CORP

WELL 18

FIELD WILMINGTON

COUNTY LOS ANGELES **STATE** CALIFORNIA

SCHL. FR 4751

SCHL. TD 4770

DRLR. TD 47[illegible]

Elev: KB 60

DF - -

GL 38