R. B. HOHLT

RUN #2

Schlumberger

DUAL INDUCTION 2" & 5"

CSU Field Log

COMPANY: FLORIDA EXPLORATION COMPANY
WELL: Well 01-04 ~~HARRIS 1-4~~
Posted with log ANAlysis
Ben Wicker
FIELD: WILDCAT
COUNTY: DOUGLAS
STATE: OREGON
NATION: USA
LOCATION: 445'W & 140'S FR NE COR
SEC: 4 TWP: 21S RGE: 6W

OTHER SERVICES-
BHC
FDC/CNL/NGT
HDT
CST

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 776.0'
LOG MEASURED FROM: KB
22.0' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 798.0'
DF:
GL: 776.0'

PROGRAM
TAPE NO:
20.2
SERVICE
ORDER NO:
303906

DATE: 22 JUL 82
RUN NO: 2

DEPTH-DRILLER: 5962.0'
DEPTH-LOGGER: 5961.0'
BTM. LOG INTERVAL: 5955.0'
TOP LOG INTERVAL: 2994.0'

CASING-DRILLER:	990'	3002'
CASING-LOGGER:	992'	2994'
CASING:	13.875	9.625
BIT SIZE:		8.5

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 14.0 LB/G
VISCOSITY: 48.0 S
PH: 10.5
FLUID LOSS: 4.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 0.780 OHMM AT 98.0 DF
RMF: 1.200 OHMM AT 68.0 DF
RMC: 1.960 OHMM AT 71.0 DF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 0.602 OHM AT 129. DF
RMF AT BHT: 0.661 OHM AT 129. DF
RMC AT BHT: 1.124 OHM AT 129. DF

TIME CIRC. STOPPED: 1800
TIME LOGGER ON BTM.: 0115

MAX. REC. TEMP: 129.0 DF

LOGGING UNIT NO: 8076
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: HOHLT/NEWTON/PILATI

REMARKS:

EQUIPMENT NUMBERS-

DIS 457 DIC 342 IEM 231

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 OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

FILE

103

Schlumberger

DUAL INDUCTION 5"

CSU Field Log

COMPANY: FLORIDA EXPLORATION COMPANY

WELL: HARRIS 1-4

FIELD: WILDCAT
COUNTY: DOUGLAS
STATE: OREGON
NATION: USA
LOCATION: 445'W & 140'S FR NE COR

SEC: 4 TWP: 21S RGE: 6W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 776.0'
LOG MEASURED FROM: KB
22.0' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 798.0'
DF:
GL: 776.0'

DATE: 22 JUL 82
RUN NO: 2

OTHER SERVICES-
BHC
FDC/CNL/NGT
HDT
CST

PROGRAM
TAPE NO:
20.2
SERVICE
ORDER NO:
303906

DEPTH-DRILLER: 5962.0'
DEPTH-LOGGER: 5961.0'
BTM. LOG INTERVAL: 5955.0'
TOP LOG INTERVAL: 2994.0'

CASING-DRILLER:	990'	3002'
CASING-LOGGER:	992'	2994'
CASING:	13.875	9.625
BIT SIZE:		8.5

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 14.0 LB/G
VISCOSITY: 48.0 S
PH: 10.5
FLUID LOSS: 4.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 0.780 OHMM AT 98.0 DF
RMF: 1.200 OHMM AT 68.0 DF
RMC: 1.960 OHMM AT 71.0 DF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 0.602 OHM AT 129. DF
RMF AT BHT: 0.661 OHM AT 129. DF
RMC AT BHT: 1.124 OHM AT 129. DF

TIME CIRC. STOPPED: 1800
TIME LOGGER ON BTM.: 0115

MAX. REC. TEMP: 129.0 DF

LOGGING UNIT NO: 8076
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: HOHLT/NEWTON/PILATI

REMARKS:

EQUIPMENT NUMBERS-

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FILE

103

Schlumberger

DUAL INDUCTION 2"

CSU Field Log

COMPANY: FLORIDA EXPLORATION COMPANY

WELL: HARRIS 1-4

FIELD: WILDCAT
COUNTY: DOUGLAS
STATE: OREGON
NATION: USA
LOCATION: 445'W & 140'S FR NE COR

SEC: 4 TWP: 21S RGE: 6W

OTHER SERVICES-
BHC
FDC/CNL/NGT
HDT
CST

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 776.0'
LOG MEASURED FROM: KB
22.0' ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS-
KB: 798.0'
DF:
GL: 776.0'

PROGRAM
TAPE NO:
20.2
SERVICE
ORDER NO:
303906

DATE: 22 JUL 82
RUN NO: 2

DEPTH-DRILLER: 5962.0'
DEPTH-LOGGER: 5961.0'
BTM. LOG INTERVAL: 5955.0'
TOP LOG INTERVAL: 2994.0'

CASING-DRILLER:	990'	3002'
CASING-LOGGER:	992'	2994'
CASING:	13.875	9.625

BIT SIZE: 8.5

TYPE FLUID IN HOLE: LIGNOSULFONATE
DENSITY: 14.0 LB/G
VISCOSITY: 48.0 S
PH: 10.5
FLUID LOSS: 4.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 0.780 OHMM AT 98.0 DF
RMF: 1.200 OHMM AT 68.0 DF
RMC: 1.960 OHMM AT 71.0 DF
SOURCE RMF/RMC: MEASURED/MEASURED
RM AT BHT: 0.602 OHM AT 129. DF
RMF AT BHT: 0.661 OHM AT 129. DF
RMC AT BHT: 1.124 OHM AT 129. DF

TIME CIRC. STOPPED: 1800
TIME LOGGER ON BTM.: 0115

MAX. REC. TEMP: 129.0 DF

LOGGING UNIT NO: 8076
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: HOHLT/NEWTON/PILATI

REMARKS:

EQUIPMENT NUMBERS-

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FILE

103

ILD (OHMM)
0.2000 2000.

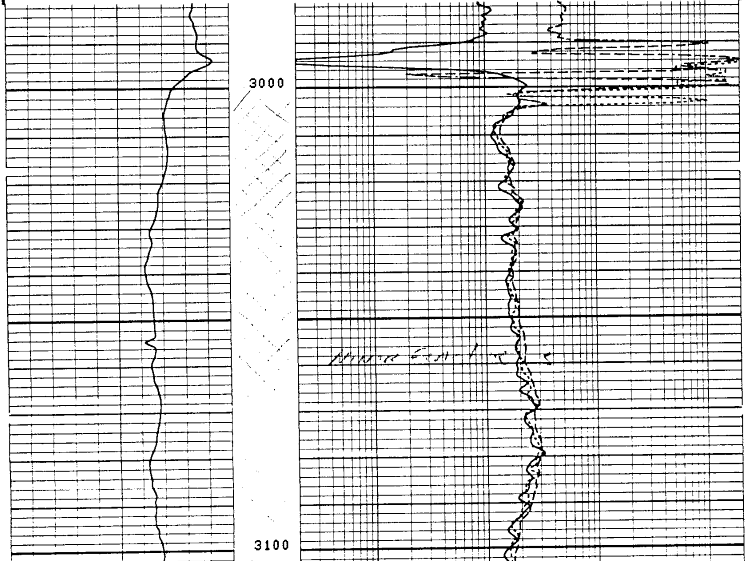
ILM (OHMM)
0.2000 2000.

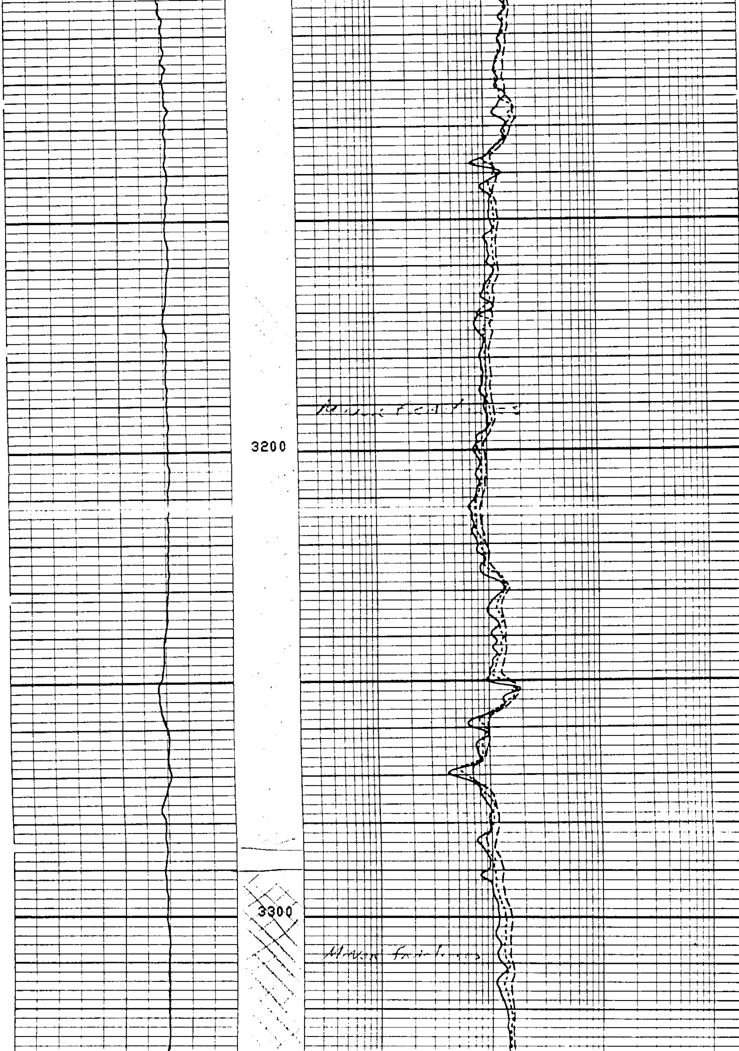
SP (MV)
-100.0 0.0

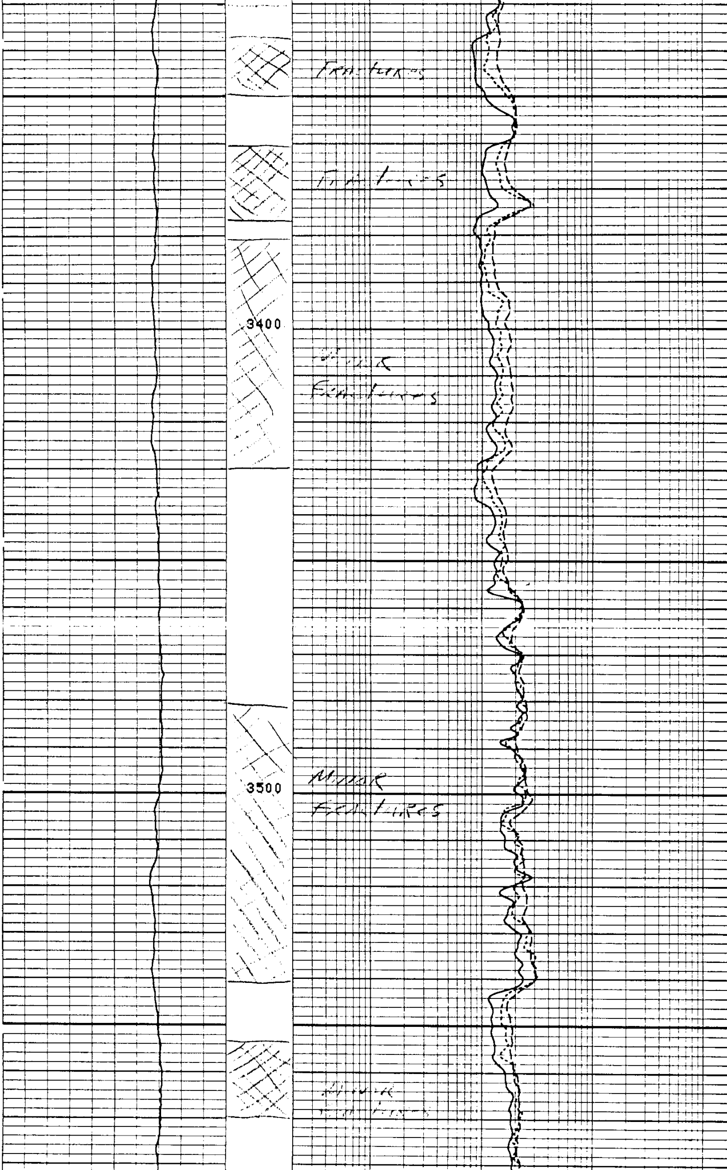
SFLU(OHMM)
0.2000 2000.

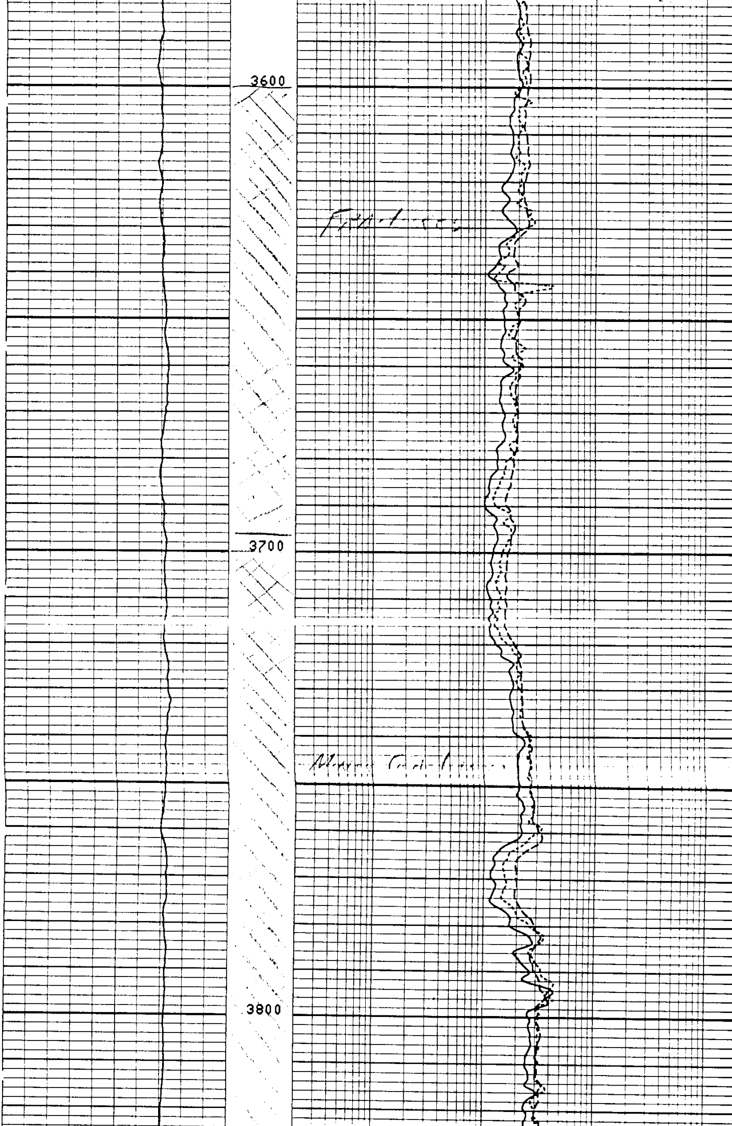
FILE

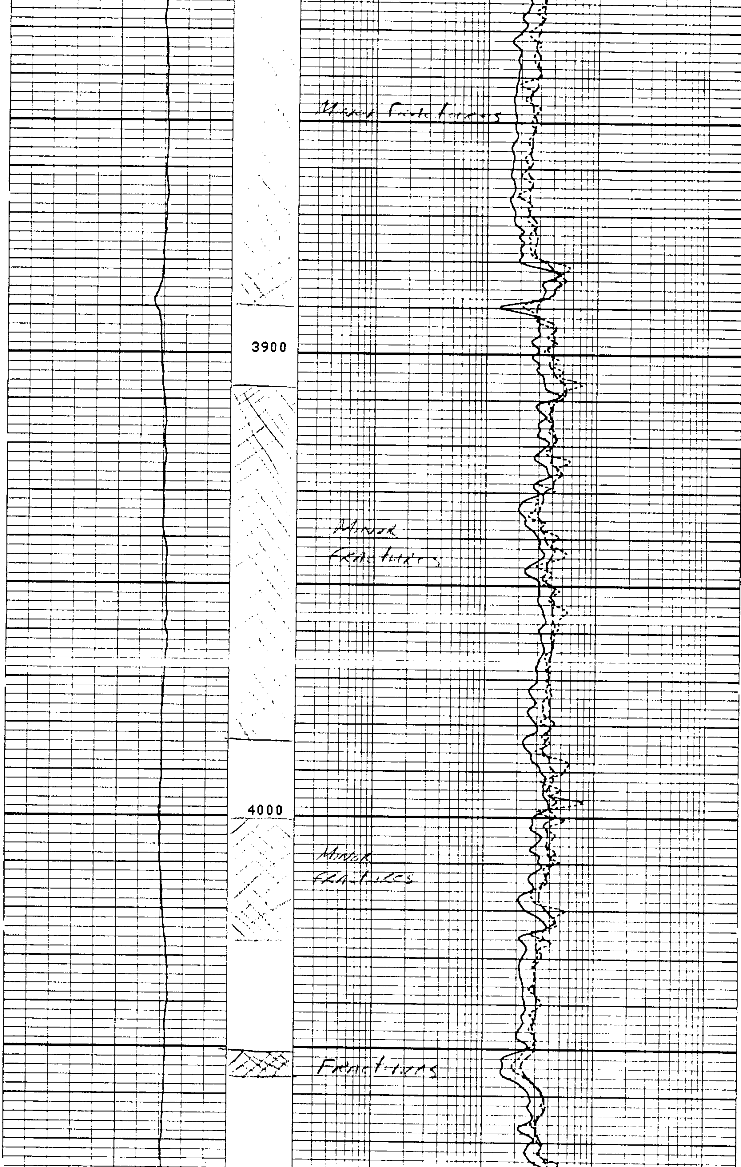
102

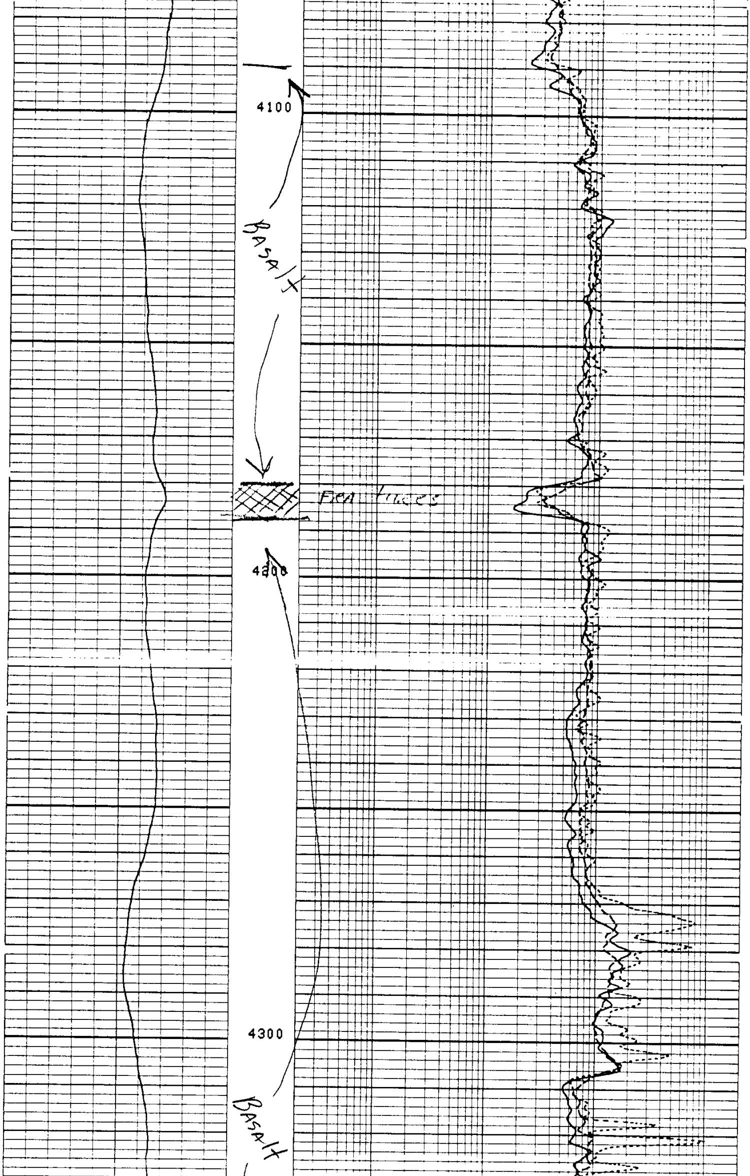


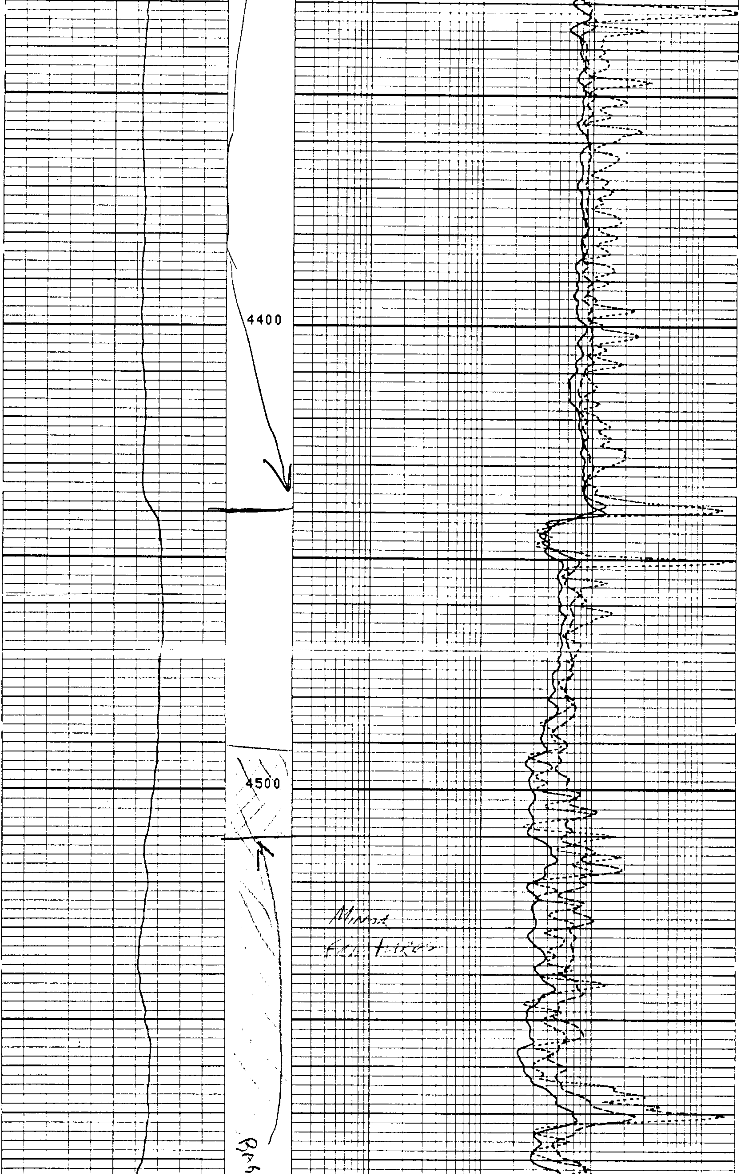


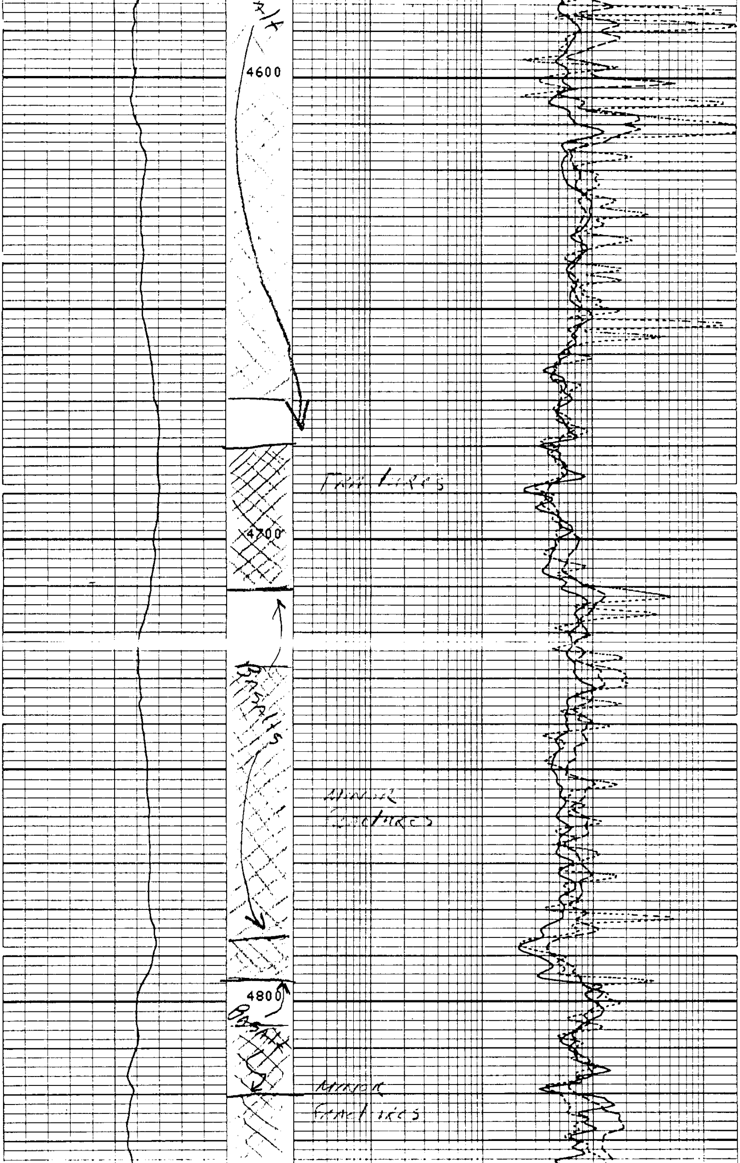


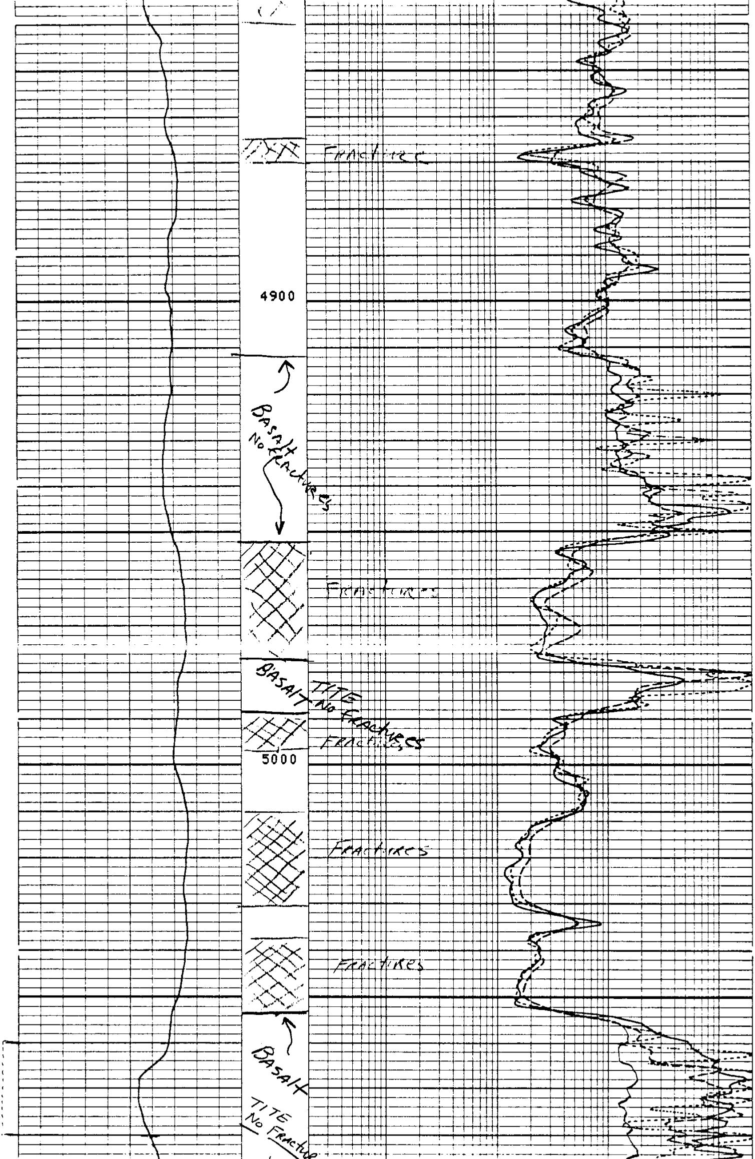


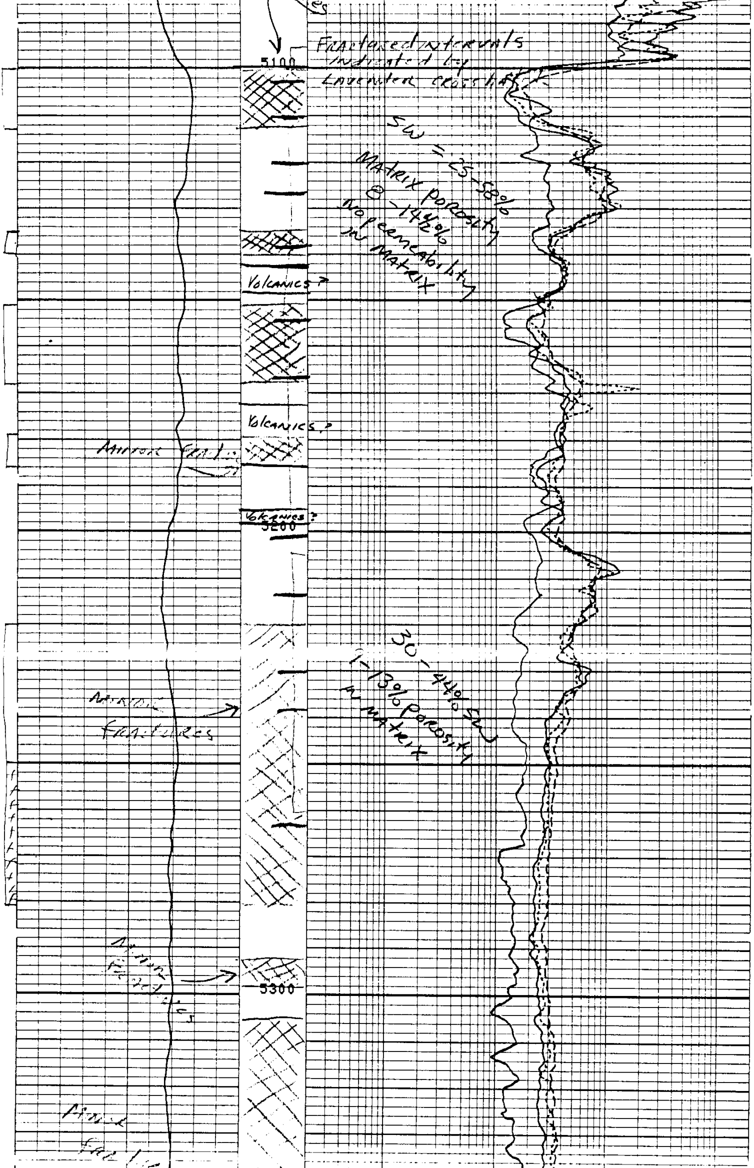












Fractured intervals indicated by Lavender crossover

Sw = 25-58%

Matrix porosity 8-14½%

no permeability in matrix

Minor Fract

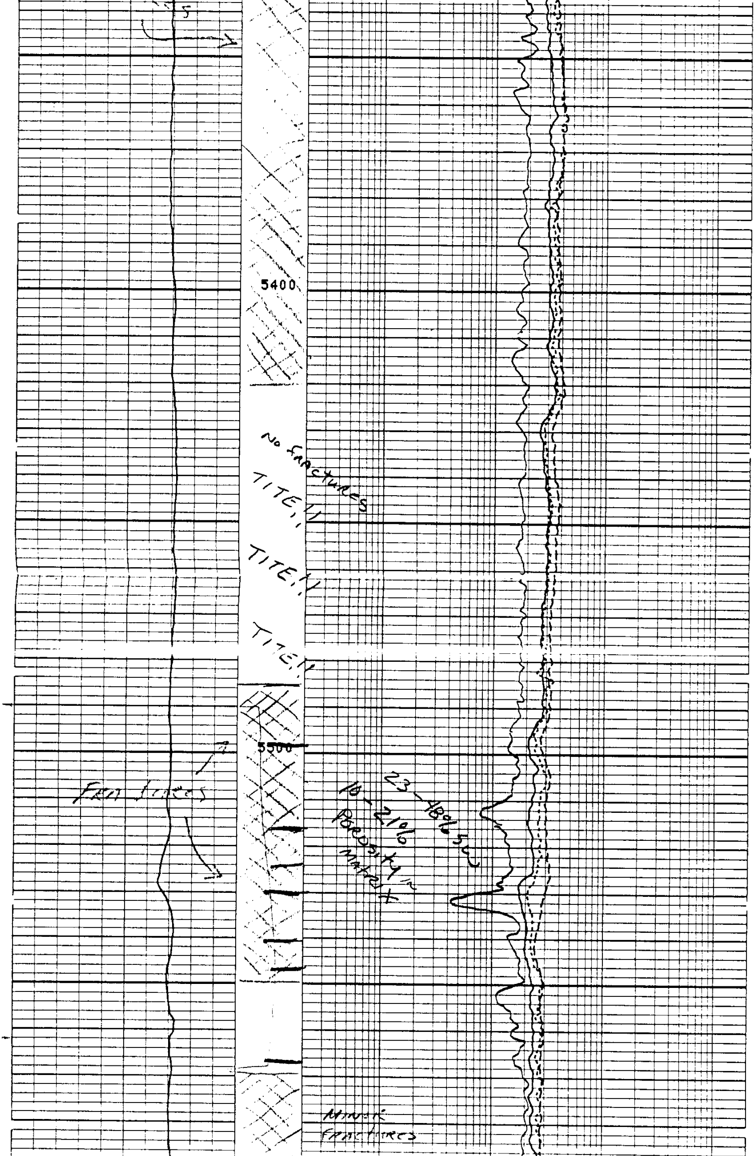
Minor Fractures

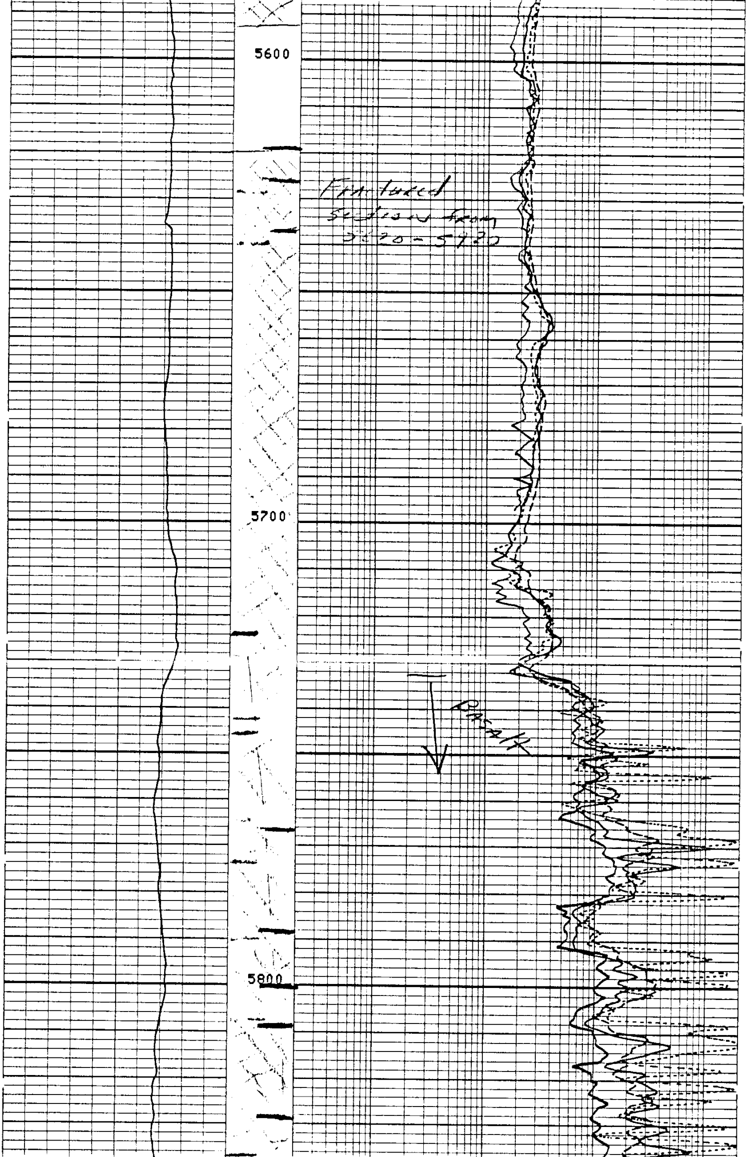
30-44% Sw

7-13% porosity in matrix

Minor Fractures

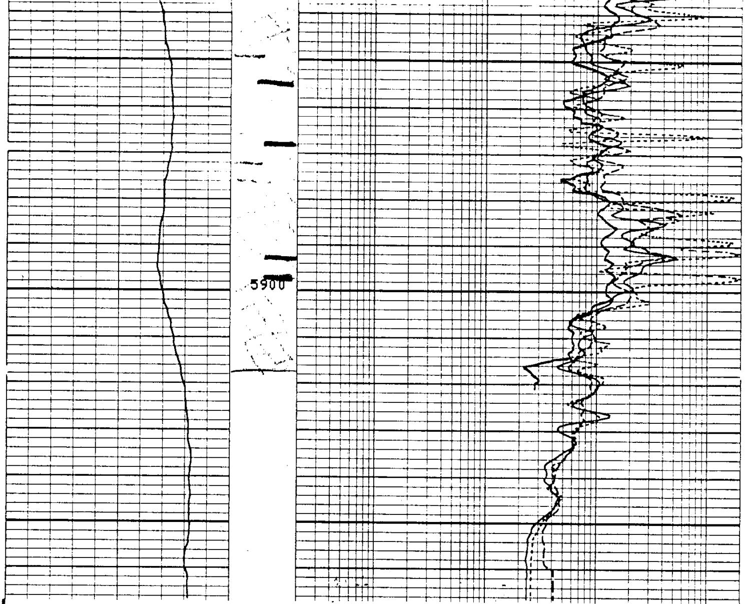
Minor Frac





Fractured section from 5620-5720

Break



FILE

102

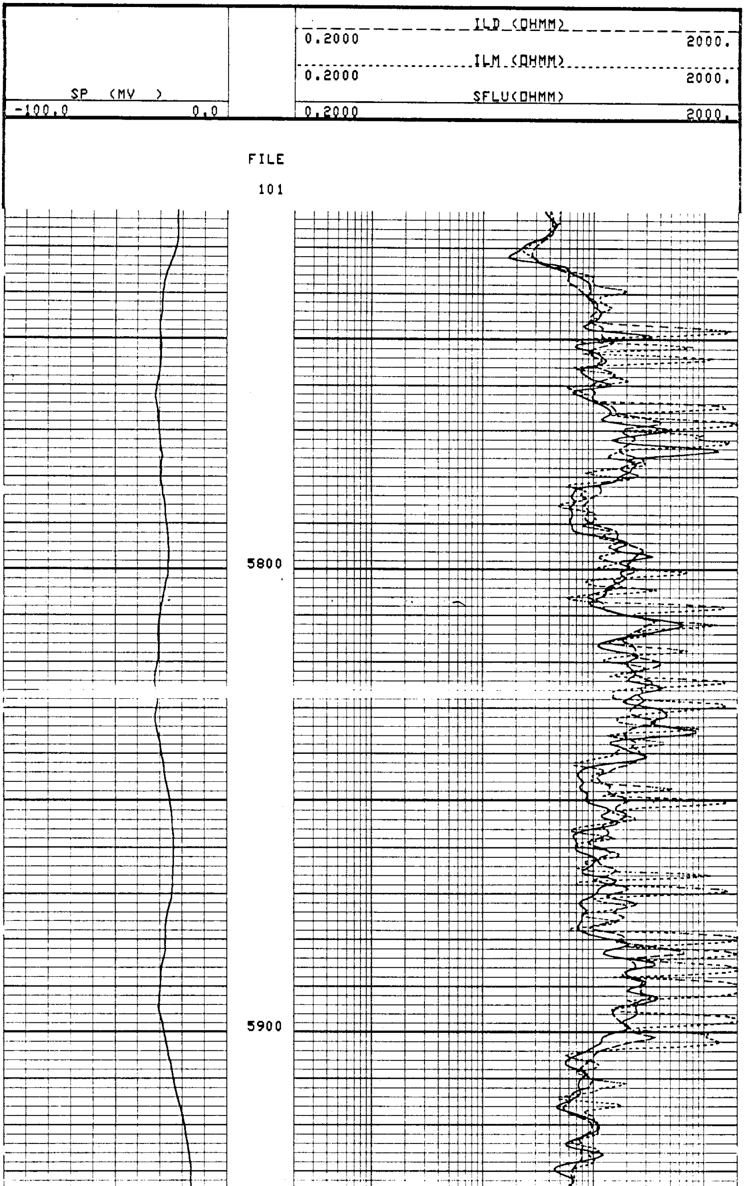
ILD (OHMM)
0.2000 2000.
ILM (OHMM)
0.2000 2000.
SFLU(OHMM)
0.2000 2000.
SP (MV)
-100.0 0.0

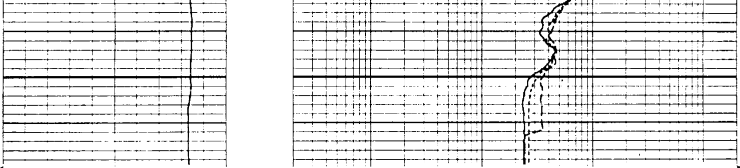
SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.0		BS	8.500	IN
DTF	189.0	US/F	DTM	55.60	US/F
SBR	1.000	OHMM	DSEC	9.600	MMHO
FPHI	SPHI		MSEC	7.900	MMHO
DO	0.0		BHS	OPEN	





FILE

101

SP (MV)		ILD (OHMM)	
		0.2000	2000.
		ILM (OHMM)	
		0.2000	2000.
		SFLU(OHMM)	
-100.0	0.0	0.2000	2000.

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
CDTS	100.0		BS	8.500	IN
DTF	189.0	US/F	DTM	55.60	US/F
SBR	1.000	OHMM	DSEC	9.600	MMHO
FPHI	SPHI		MSEC	7.900	MMHO
DO	0.0		BHS	OPEN	

AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 82/07/22
PROGRAM FILE: ISN (VERSION 20.2 81/ 1/30)

DITD TOOL CHECK

	ZERO		PLUS		
	BEFORE	AFTER	BEFORE	AFTER	UNITS
ILD	0.0	0.3	506.6	505.2	MMHO
ILM	0.0	-0.2	503.0	505.0	MMHO
SFL	0.0	-0.0	500.0	491.2	MMHO

ILD SONDE ERROR CORRECTION : 9.6 MMHO
ILM SONDE ERROR CORRECTION : 7.9 MMHO

FILE

12

AFTER SURVEY TOOL CHECK SUMMARY

```
   PERFORMED:      82/07/22
   PROGRAM FILE: ISN    (VERSION    20.2    81/ 1/30)


DITD                         TOOL  CHECK

                    ZERO                          PLUS
            BEFORE         AFTER          BEFORE      AFTER     UNITS
   ILD        0.0            0.3          506.6       505.2     MMHO
   ILM        0.0           -0.2          503.0       505.0     MMHO
   SFL        0.0           -0.0          500.0       491.2     MMHO

ILD  SONDE ERROR CORRECTION :         9.6   MMHO
ILM  SONDE ERROR CORRECTION :         7.9   MMHO
                           FILE

                            12
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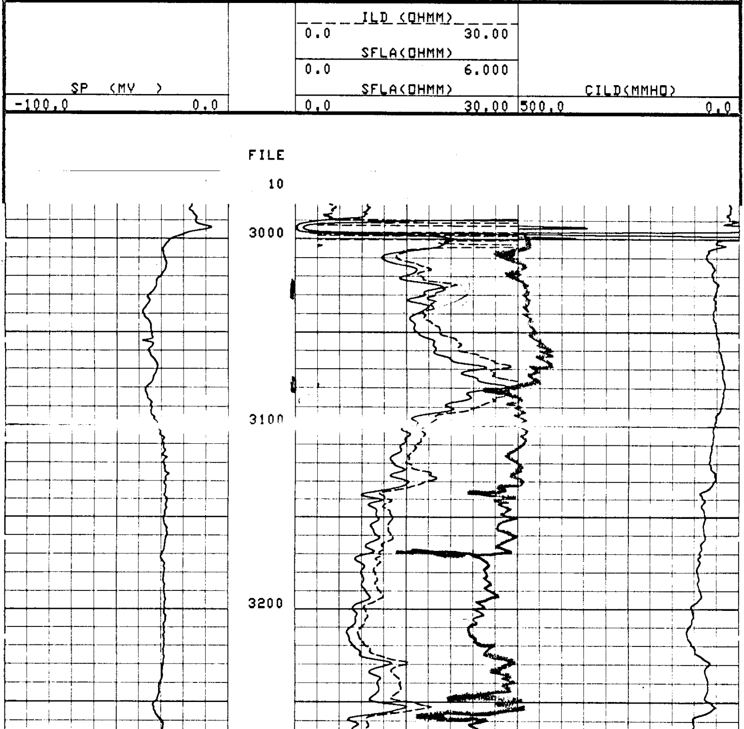
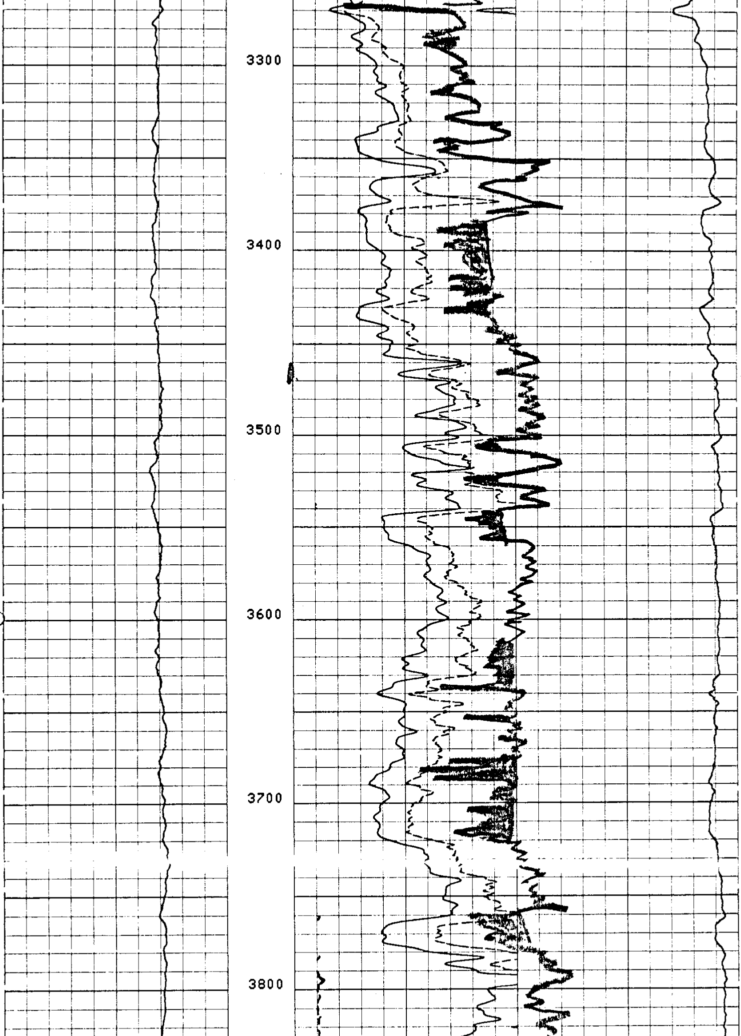
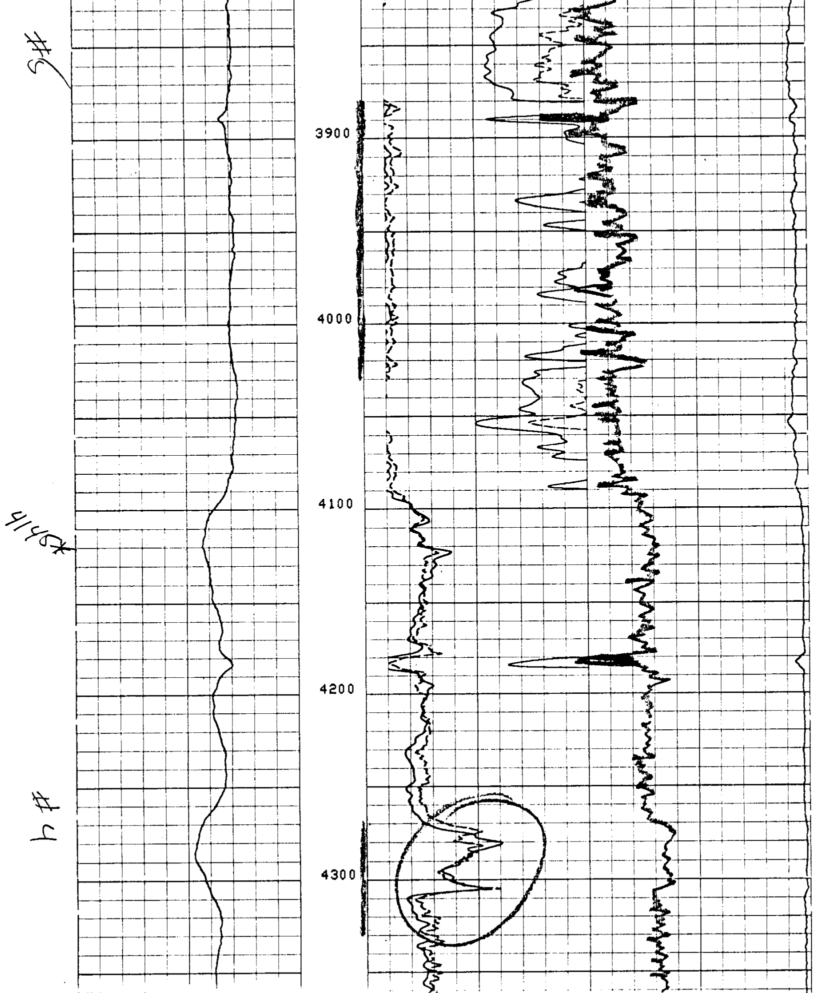
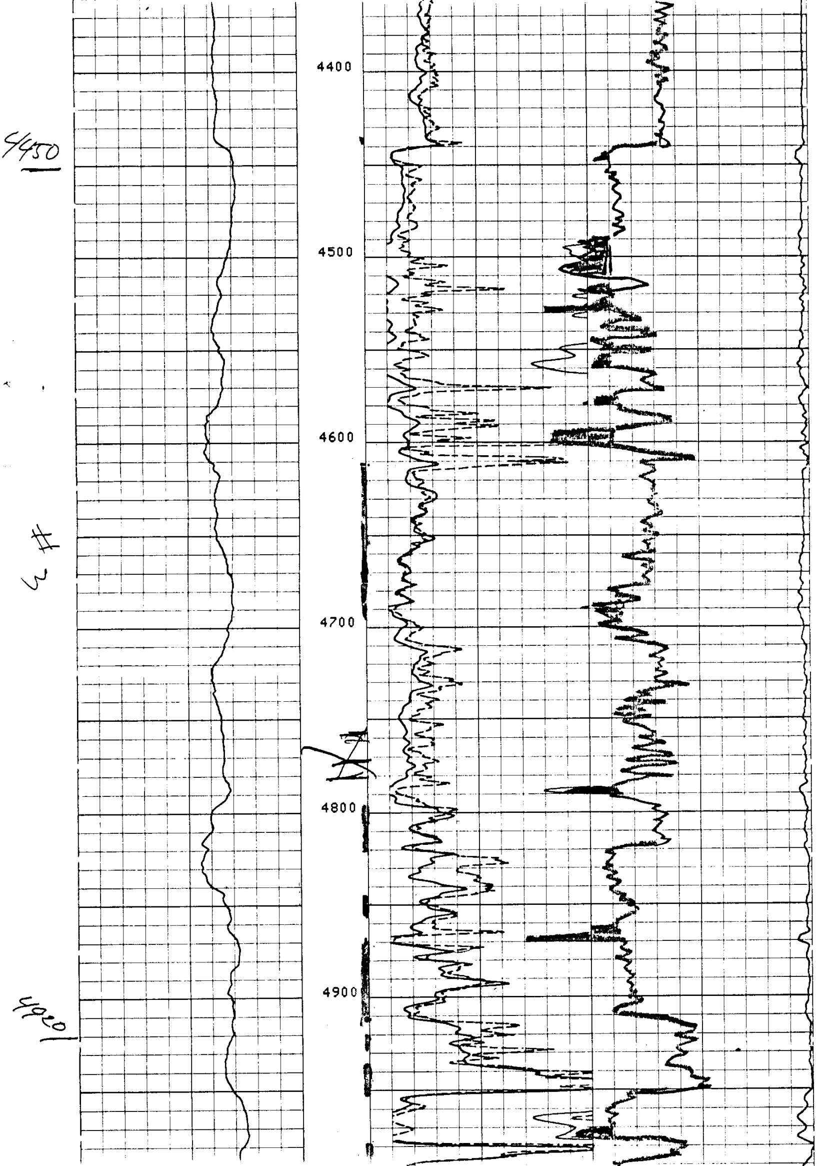


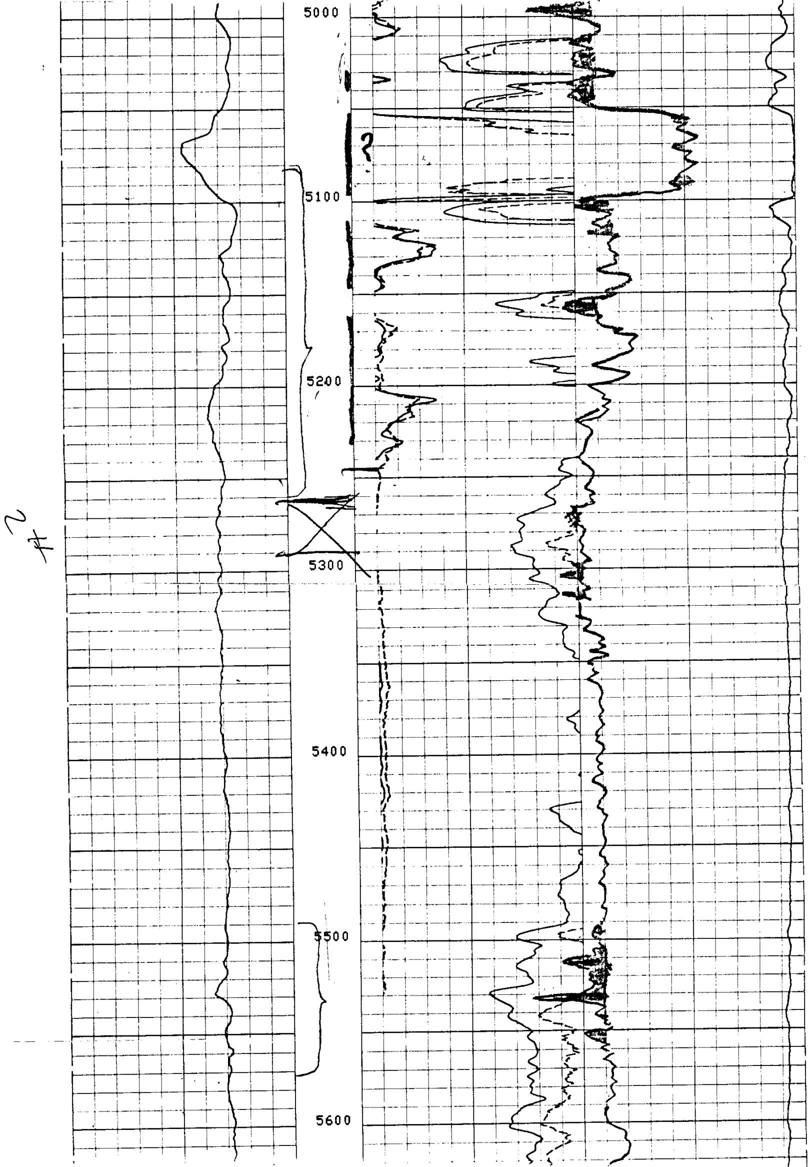


*3610

GRN 449'
ORG 308'

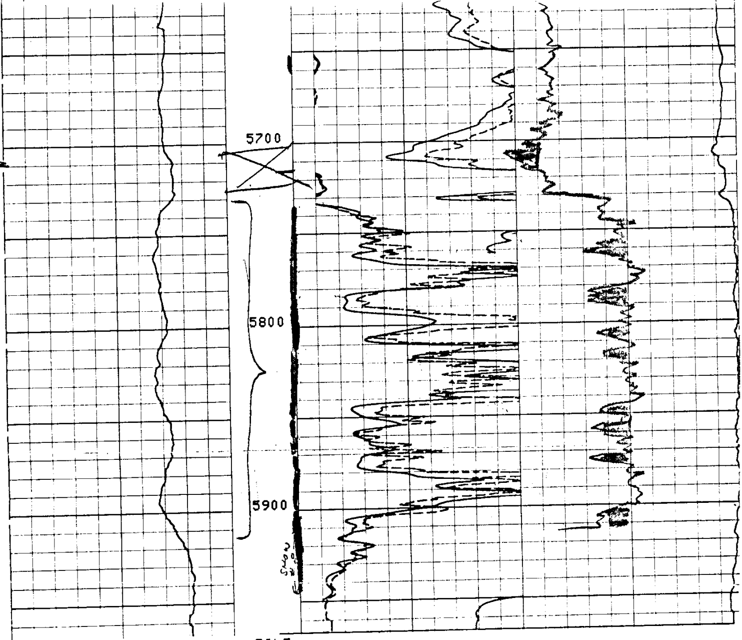






*5710

#1



FILE

10

		ILD (OHMM) 0.0 30.00	
		SFLA(OHMM) 0.0 6.000	
SP (MV) -100.0 0.0		SFLA(OHMM) 0.0 30.00	CILD(MMHO) 500.0 0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

AMPL	41.4	FEET	DT	38.9	FEET
SRAT	38.9	FEET	CBL	41.4	FEET
CALI	29.3	FEET	TT	41.4	FEET
SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET
NOIS	33.2	FEET			