ResTech

INCLINE

COMPUTED DIPMETER RESULTS

CLIENT NAHAMA AND WEAGANT ENERGY COMPANY
COMPANY NAHAMA AND WEAGANT ENERGY COMPANY
WELL COL CO "STEELHEAD" #43-33-75
FIELD MIST
COUNTY COLUMBIA STATE OREGON
LOCATION: 899' W AND 1537' N FROM SE CORNER
SEC 33 TWP 7N RGE 5W

TAPE NUMBER

OTHER COMPUTATIONS

PERMANENT DATUM G.L. ELEV. 1041.0
LOG MEASURED FROM K.B , 10.0 FT. ABOVE PERM DATUM
DRILLING MEASURED FROM K.B.

ELEV K.B. 1051.0
D.F.
G.L. 1041.0

DATE	17-JUN-92			
RUN NO.	1			
DEPTH - DRILLER	2548.000			
DEPTH - LOGGER	2547.000			
BOTTOM LOGGED INTERVAL	2545.000			
TOP LOGGED INTERVAL	1495.000			
CASING - DRILLER	9.625 AT 520.0	AT	AT	AT
CASING - LOGGER	520.000			
BIT SIZE	8.500			
TYPE FLUID IN HOLE	POLYMER/GEL			
CASING SIZE/WT.				
DENSITY | VISCOSITY	9.500 | 41.000			
PH | FLUID LOSS	8.500 | 6.00 ML	ML	ML	ML
SOURCE OF SAMPLE	FLOWLINE			
R_m AT MEASURED TEMP.	2.970 AT 76.0 F	AT F	AT F	AT F
R_{mf} AT MEASURED TEMP.	4.550 AT 76.0 F	AT F	AT F	AT F
R_{mc} AT MEASURED TEMP.	2.660 AT 76.0 F	AT F	AT F	AT F
SOURCE: R_{mf} | R_{mc}	MEAS | MEAS			
R_m AT BHT	2.590 AT 88 F	AT F	AT F	AT F
TIME SINCE CIRCULATION	5.25 HRS			
MAX. REC. TEMP.	88.00F	F	F	F
LOGGING CONTRACTOR	SWS			
RECORDED BY	PILCH			
WITNESSED BY	VAUGHN, PINOTT			

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR THE CORRECTNESS OF AN INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

COMPUTATION	LOGS USED: DIPMETER		PROGRAM: V1.9
	CENTER: **HOUSTON**	LOG ANALYST: **DELANO/ROIG**	DATE: - 6/24/92
	REFERENCE: 500639	INCLINE FILE: **4X4X85X4-MS**	

COMPUTATION PARAMETERS

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	DEPTH UNITS	CORLN. LENGTH	CORLN. STEP	SEARCH ANGLE	SEARCH REFERNCE	SEARCH MAXIMUM	MAGNETIC DECLN.	TIE DEP. MEAS.	TIE DEP. TRUE	SHRT TRM AVERAGE
2528.00	1504.00	FEET	4.00 F	4.00 F	85.00	BOREHOLE	85.00	20.0 E			4.00

REMARKS:
SEARCH ANGLE SPECIFIED IN DEGREES.
DEPTH OF INVESTIGATION 0.9 INCHES MEASURED RADIALLY.
SOLID ARROWS - CORRELATION COEFFICIENT ABOVE : 0.60
OPEN ARROWS - CORRELATION COEFFICIENT BETWEEN: 0.60 AND 0.30
CORRELATIONS IGNORED IF COEFFICIENT IS BELOW : 0.30

RESTECH HOUSTON INC.
INCLINE
COMPUTED DIPMETER RESULTS

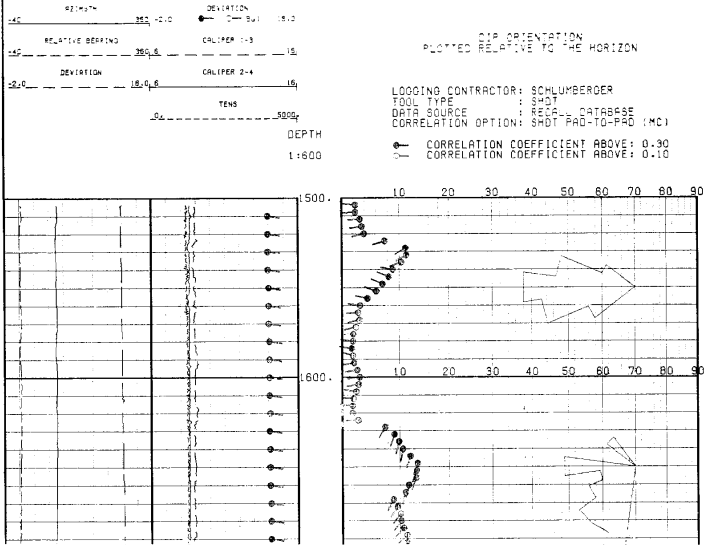
COMPANY : NAHAMA & WEAGANT ENERGY CO.
FIELD : MIST
WELL : "STEELHEAD" #43-33-75

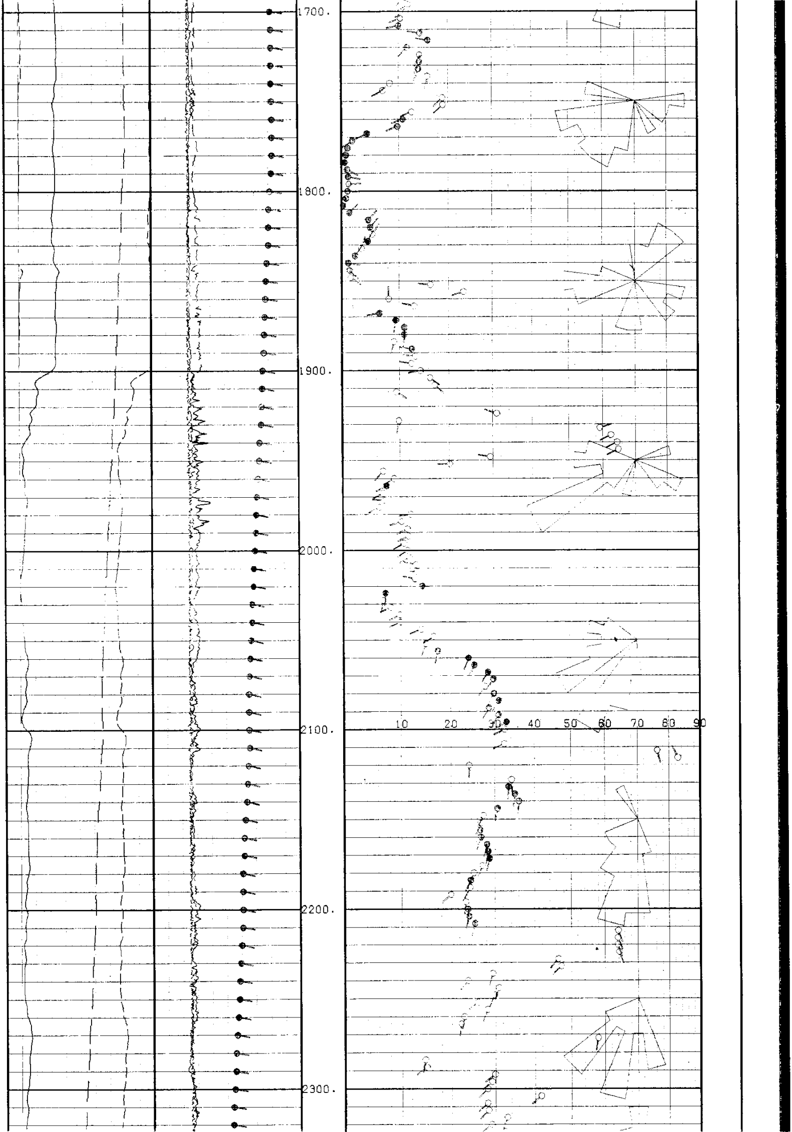
CORRELATION INTERVAL : 4.00 FEET
CORRELATION STEP : 4.00 FEET
SEARCH ANGLE : 85.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAXIMUM SEARCH : 85.00 DEGREES
MAGNETIC DECLINATION : ALREADY ADDED **(20.0 E)**
SHORT TERM AVERAGE : 4.00
STACKING SURFACES : 4
LOG NAME : 4X4X85X4-MS
DATE/TIME : 92/ 6/22 AT 11:17:19
ANALYST : 500639

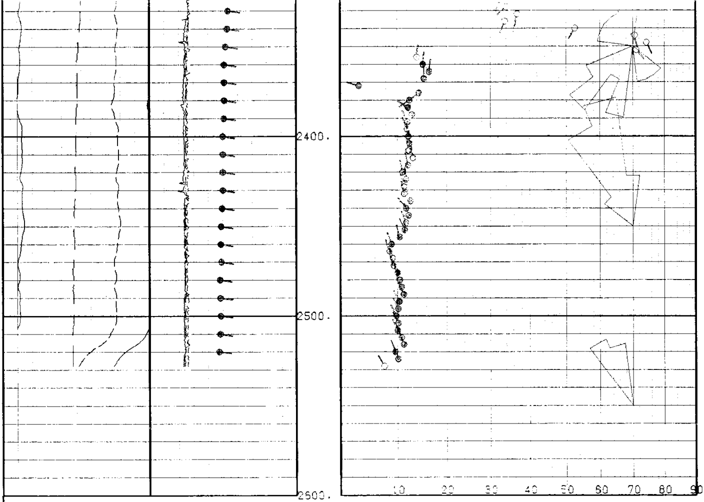
DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10







AZIMUTH
-40 360

RELATIVE BEARING
-40 360

DEVIATION
-2.0 19.0

DEVIATION
-2.0 ●-- ○—(BU) 19.0

CALIPER 1-3
6 16

CALIPER 2-4
6 16

TENS
0. 5000.

DEPTH

1:600

DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10

REPEAT SECTION

RESTECH HOUSTON INC.

INCLINE

COMPUTED DIPMETER RESULTS

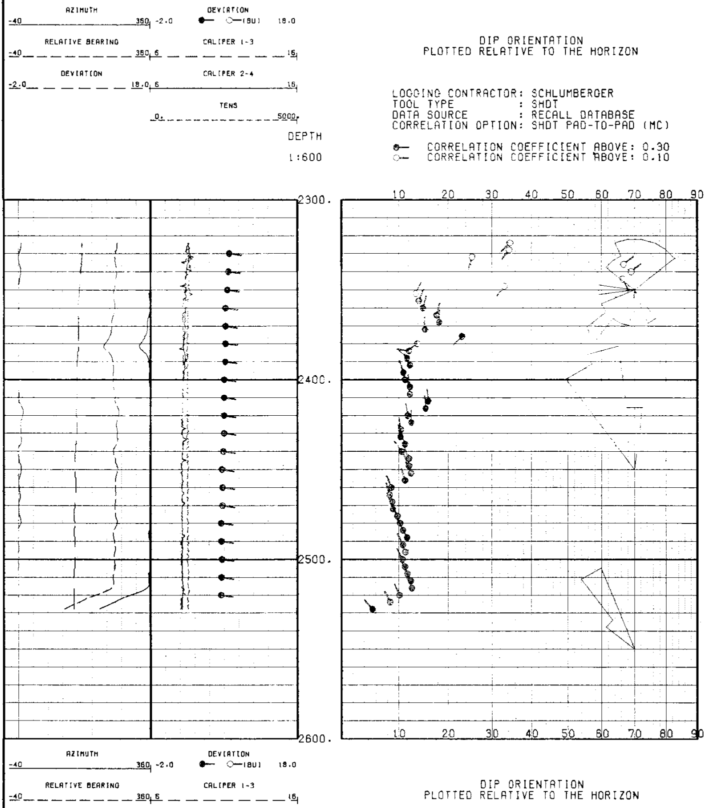
COMPANY : NAHAMA & WEAGANT ENERGY CO.
FIELD : MIST
WELL : "STEELHEAD" #43-33-75

CORRELATION INTERVAL : 4.00 FEET
CORRELATION STEP : 4.00 FEET
SEARCH ANGLE : 85.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAXIMUM SEARCH : 85.00 DEGREES
MAGNETIC DECLINATION : ALREADY ADDED **(20.0 E)**
SHORT TERM AVERAGE : 4.00
STACKING SURFACES : 4
LOG NAME : 4X4X85X4-RS
DATE/TIME : 92/ 6/22 AT 13: 6:17
ANALYST : 500639

DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10



DEVIATION
-2.0 — — — — — — 18.0 | 6 ———— 16
CALIPER 2-4

TENS
0. - - - - - - - - - - - - 5000

DEPTH

1:600

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10

RESTECH HOUSTON INC.

INCLINE

COMPUTED DIPMETER RESULTS

COMPANY : NAHAMA & WEAGANT ENERGY CO.
FIELD : MIST
WELL : "STEELHEAD" #43-33-75

CORRELATION INTERVAL : 4.00 FEET
CORRELATION STEP : 4.00 FEET
SEARCH ANGLE : 85.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAXIMUM SEARCH : 85.00 DEGREES
MAGNETIC DECLINATION : ALREADY ADDED **(20.0 E)**
SHORT TERM AVERAGE : 4.00
STACKING SURFACES : 4
LOG NAME : 4X4X65X4-MS
DATE/TIME : 92/ 6/22 AT 11:19:18
ANALYST : 500639

AZIMUTH
-40 ———— 360 | -2.0
DEVIATION
●— ○—(BU) 18.0

RELATIVE BEARING
-40 — — — — — — — — 360 | 6 - - — — — — — — 16
CALIPER 1-3

DEVIATION
-2.0 — — — — — — 18.0 | 6 ———— 16
CALIPER 2-4

TENS
0. - - - - - - - - - - - - 5000

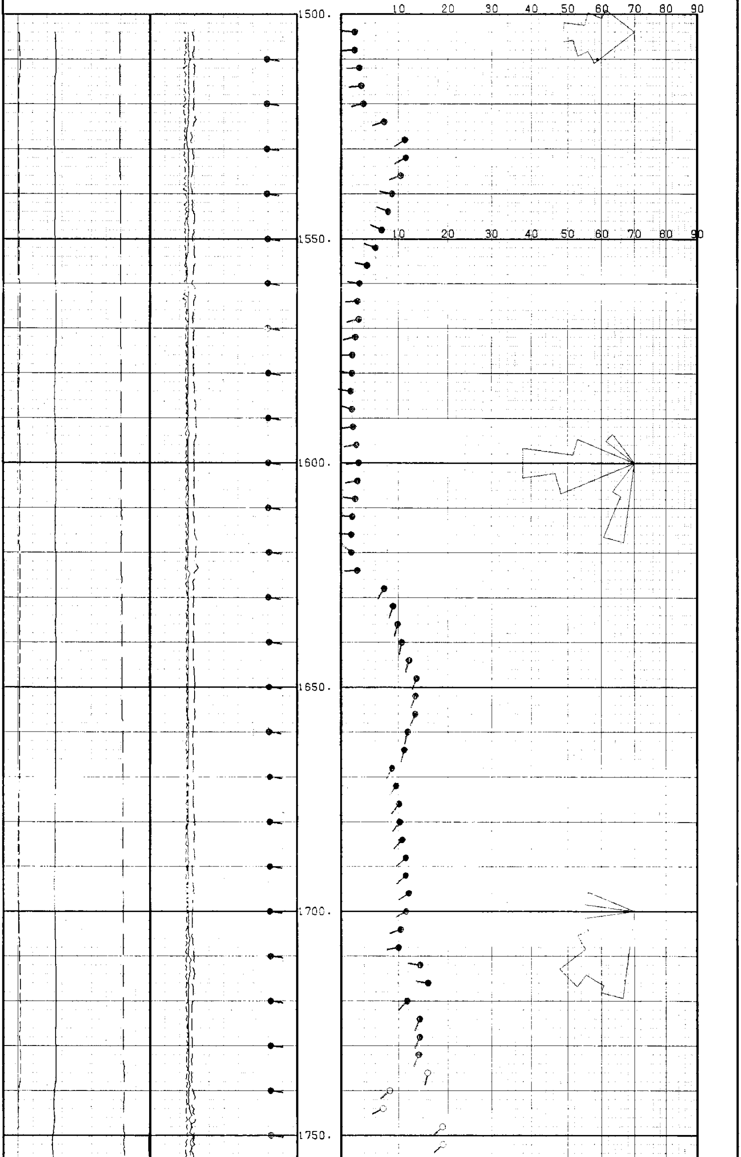
DEPTH

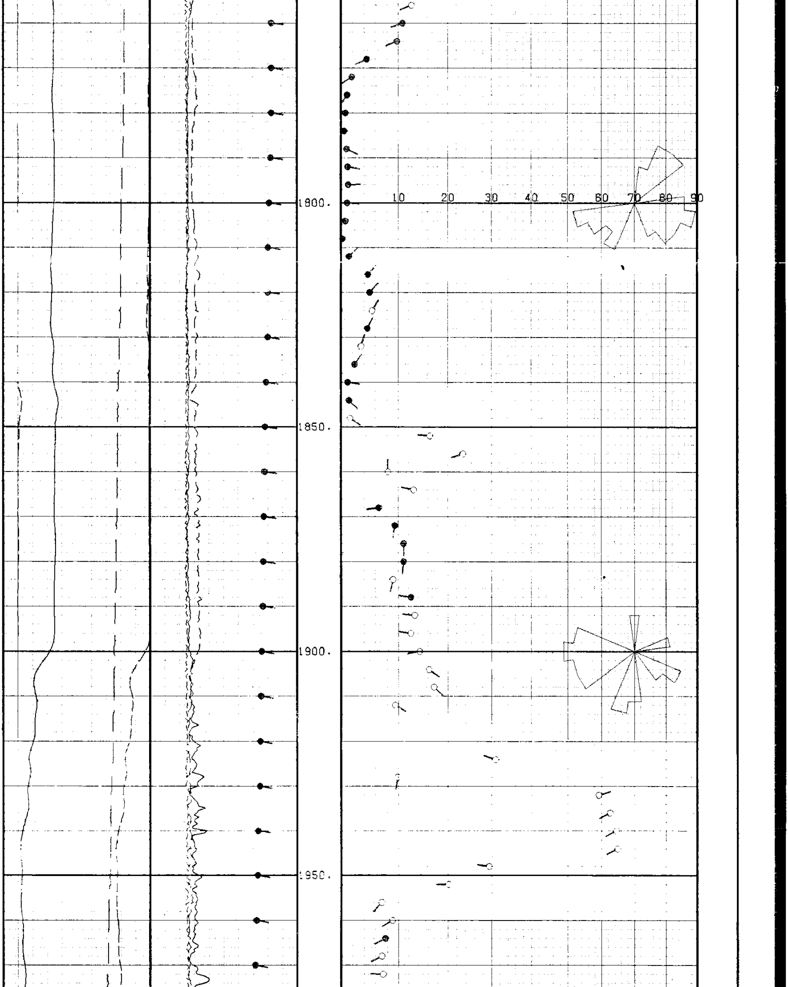
1:240

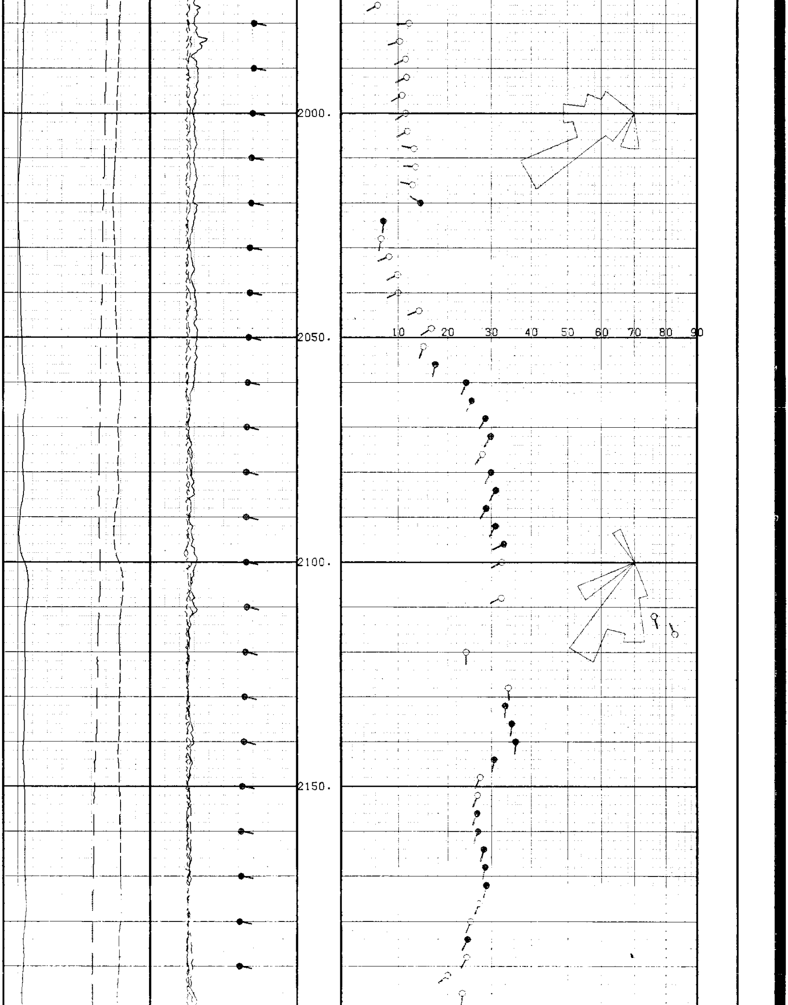
DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

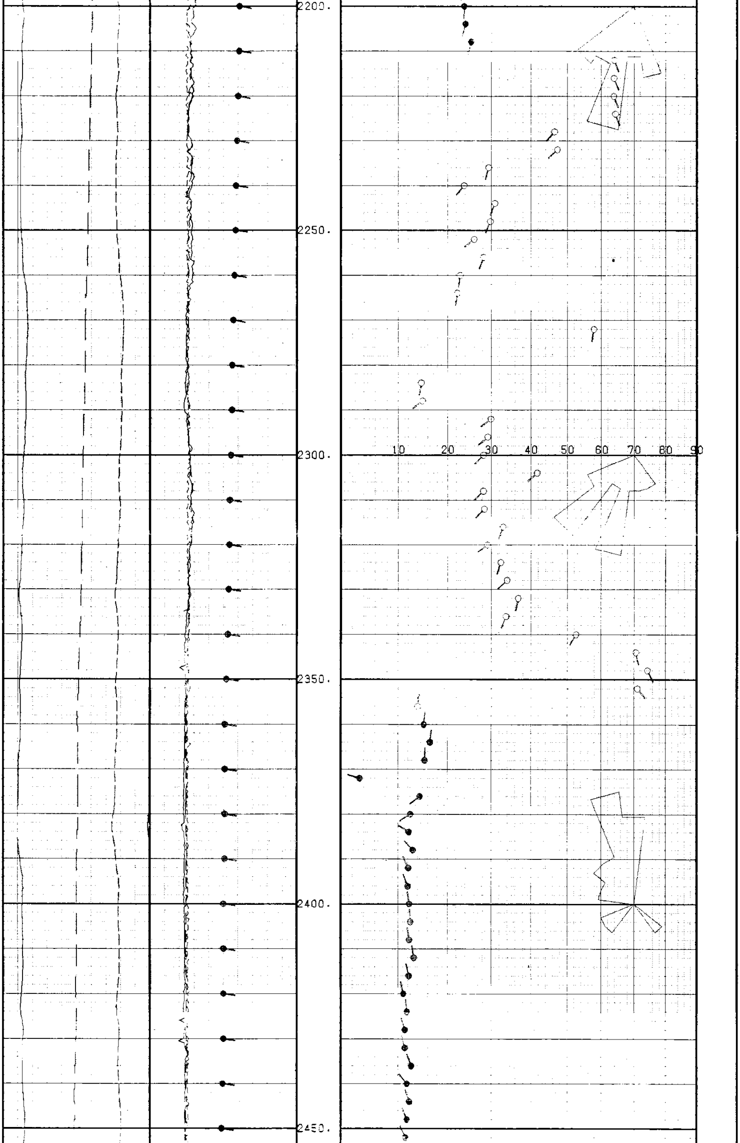
LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

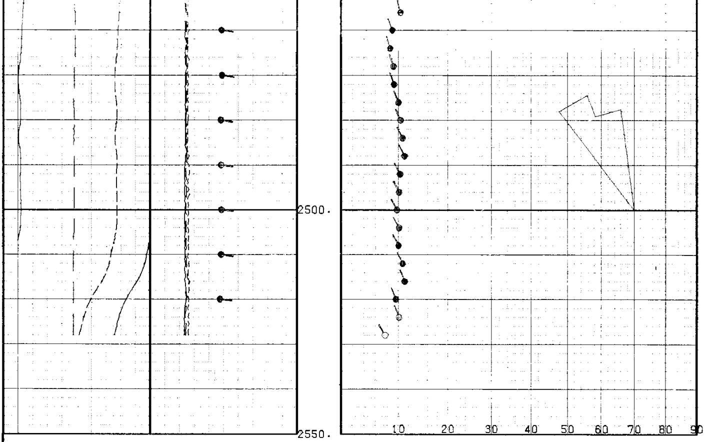
●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10











DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10

REPEAT SECTION

RESTECH HOUSTON INC.

INCLINE

COMPUTED DIPMETER RESULTS

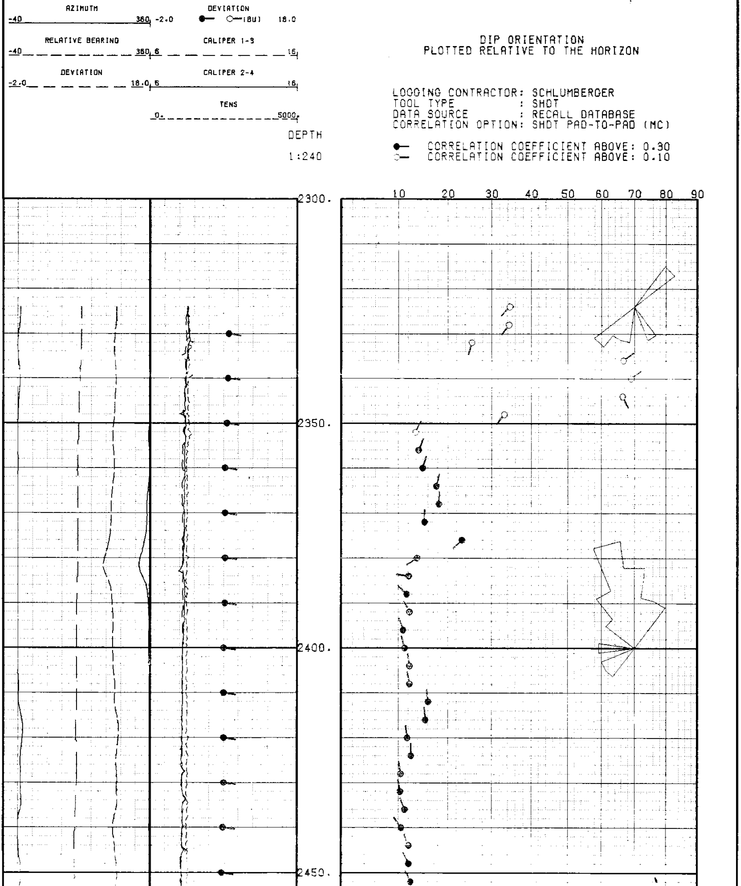
COMPANY : NAHAMA & WEAGANT ENERGY CO.
FIELD : MIST
WELL : "STEELHEAD" #43-33-75

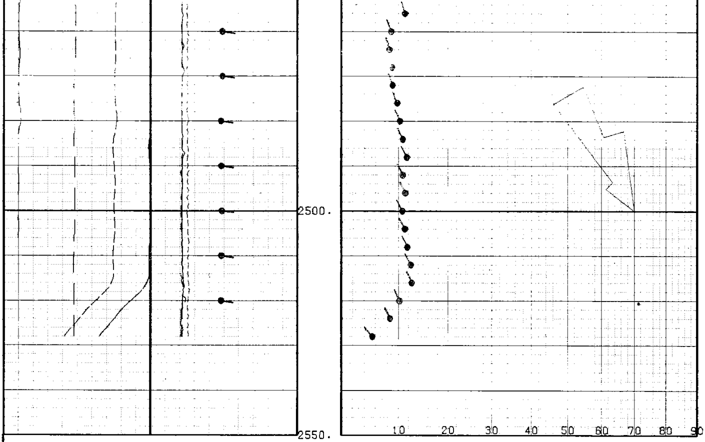
CORRELATION INTERVAL : 4.00 FEET
CORRELATION STEP : 4.00 FEET
SEARCH ANGLE : 35.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAXIMUM SEARCH : 85.00 DEGREES
MAGNETIC DECLINATION : ALREADY ADDED **(20.0 E)**
SHORT TERM AVERAGE : 4.00
STACKING SURFACES : 4
LOG NAME : 4X4X85X4-RS
DATE/TIME : 92/ 6/22 AT 13: 7: 5
ANALYST : 500639

DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

● CORRELATION COEFFICIENT ABOVE: 0.30
○ CORRELATION COEFFICIENT ABOVE: 0.10





DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION: SHDT PAD-TO-PAD (MC)

●— CORRELATION COEFFICIENT ABOVE: 0.30
○— CORRELATION COEFFICIENT ABOVE: 0.10

DIP AZIMUTH VECTOR

COMPANY : NAHAMA & WEAGANT ENERGY CO.
FIELD : MIST
WELL : "STEELHEAD" #43-33-75

INCLINE FILE
DATE/TIME
ANALYST

PLOT INFORMATION

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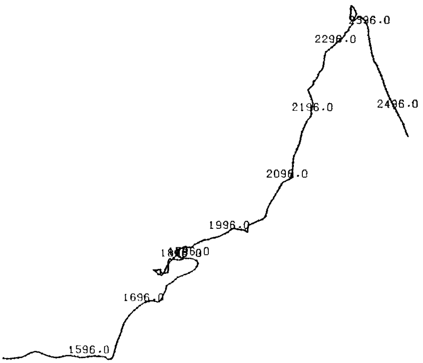

4X4X85X4-MS
92/ 6/22 AT 11:20:42
500639

LOG INFORMATION

LOGGING CONTRACTOR : SCHLUMBERGER
TOOL TYPE : SHDT
DATA SOURCE : RECALL DATABASE
CORRELATION OPTION : CB PAD-TO-PAD (MC)
CORRELATION INTERVAL : 4.00 FEET
CORRELATION STEP : 4.00 FEET
SEARCH ANGLE : 85.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAGNETIC DECLINATION : **20.0 E**
INCLINE VERSION : 2