ResTech

I N C L I N E

COMPUTED DIPMETER RESULTS

TAPE NUMBER 36-009-00272

CLIENT NAHAMA AND WEAGANT ENERGY COMPANY
COMPANY NAHAMA AND WEAGANT ENERGY COMPANY
WELL L.F. NO. 13-35-65
FIELD MIST
COUNTY COLUMBIA STATE OREGON

LOCATION:
2224 FT N AND 1193 FT E
FROM SW CORNER OF
SEC 35 TWP 6N RGE 5W

OTHER COMPUTATIONS

PERMANENT DATUM G.L. ELEV.654.2
LOG MEASURED FROM K.B. . 11.5 FT. ABOVE PERM DATUM
DRILLING MEASURED FROM K.B.

ELEV K.B. 665.7
D.F.
G.L. 654.2

DATE	16-NOV-1990			
RUN NO.	1			
DEPTH - DRILLER	2150.000			
DEPTH - LOGGER	2157.000			
BOTTOM LOGGED INTERVAL	2150.000			
TOP LOGGED INTERVAL	442.000			
CASING - DRILLER	8.625 AT 442.0	AT	AT	AT
CASING - LOGGER	442.000			
BIT SIZE	7.875			
TYPE FLUID IN HOLE	GEL/POLYMER			
CASING SIZE/WT.				
DENSITY / VISCOSITY	10.100 / 54.000			
PH / FLUID LOSS	9.000 / 4.00 ML	ML	ML	ML
SOURCE OF SAMPLE	CIRCULATED			
R_m AT MEASURED TEMP.	2.200 AT 50.0 F	AT F	AT F	AT F
R_{mf} AT MEASURED TEMP.	3.100 AT 41.0 F	AT F	AT F	AT F
R_{mc} AT MEASURED TEMP.	2.200 AT 46.0 F	AT F	AT F	AT F
SOURCE: R_{mf} R_{mc}	CIRC / CIRC			
R_m AT BHT	1.150 AT 102 F	AT F	AT F	AT F
TIME SINCE CIRCULATION	8.5 HRS			
MAX. REC. TEMP.	102.0F	F	F	F
LOGGING CONTRACTOR	HALLI			
RECORDED BY	B. JOHNSON			
WITNESSED BY	J. VAUGHAN			

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**	DATE: - 11/27/90
	REFERENCE: [500478]	INCLINE FILE: C2	

COMPUTATION PARAMETERS

DEPTH INTERVAL		DEPTH UNITS	CORLN. LENGTH	CORLN. STEP	SEARCH ANGLE	SEARCH REFERENCE	SEARCH MAXIMUM	MAGNETIC DECLN.	TIE DEP. MEAS.	TIE DEP. TRUE	SHRT TRM AVERAGE
FROM	TO										
2151.50	798.50	FEET	9.00 F	3.00 F	65.00	BOREHOLE	75.00	21.00 E			6.00

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

AZIMUTH -40 360

DEVIATION ●— -1.0 9.0

RELATIVE BEARING -40 360

CALIPER 1-3 6 16

DEVIATION -1.0 9.0

CALIPER 2-4 6 16

TENS 0. 5000.

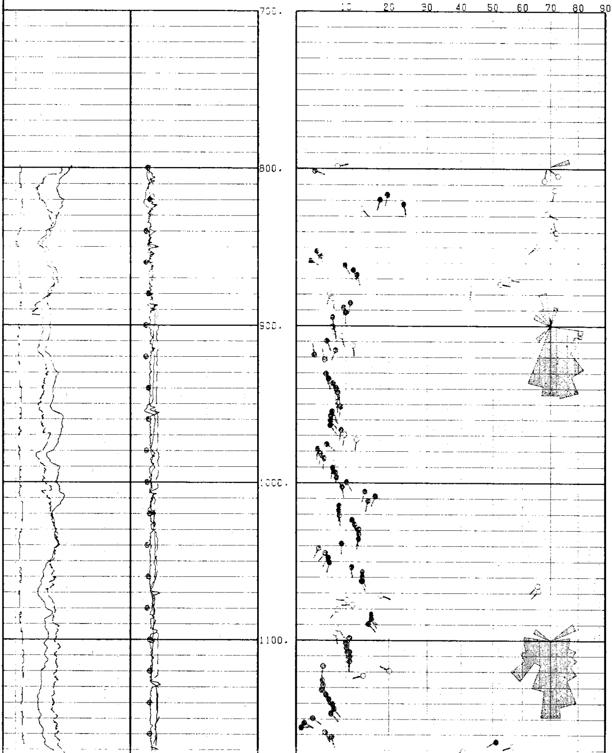
DEPTH

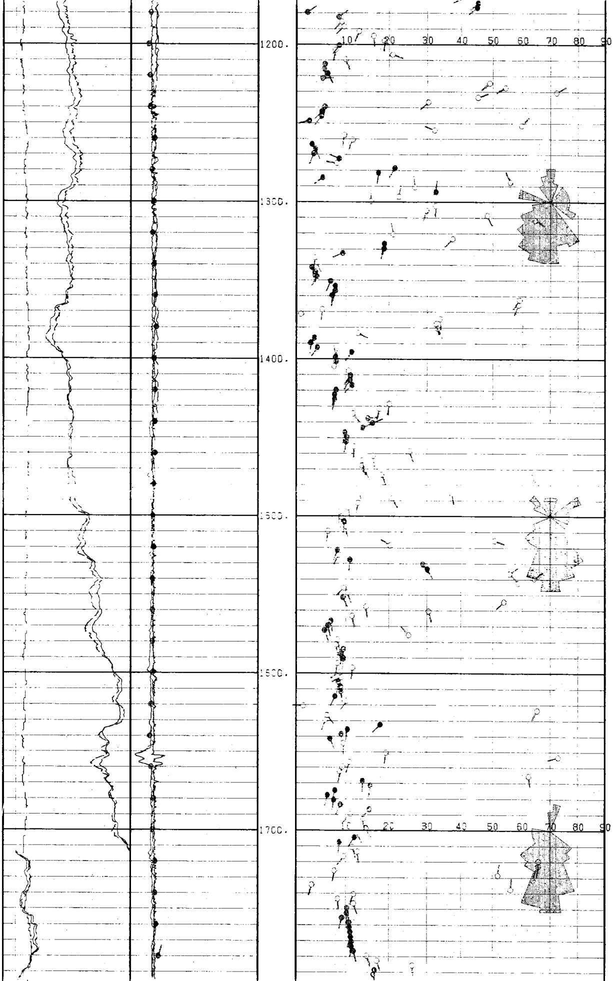
1:500

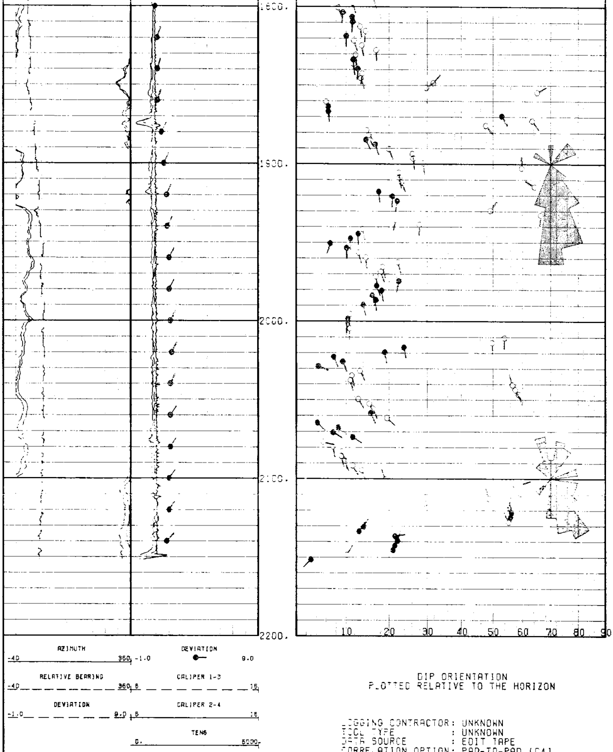
DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION: PAD-TO-PAD (C4)

●— CORRELATION COEFFICIENT ABOVE: 0.60
○— CORRELATION COEFFICIENT ABOVE: 0.30







DEPTH

1:600

DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION: PAD-TO-PAD (C4)

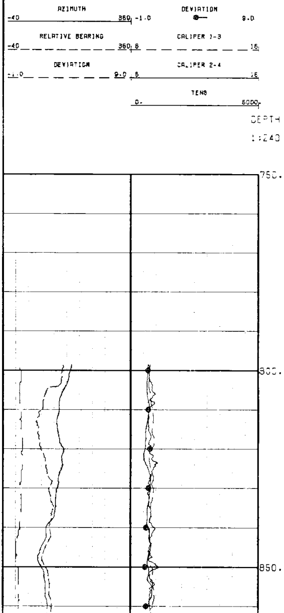
●— CORRELATION COEFFICIENT ABOVE: 0.60
○— CORRELATION COEFFICIENT ABOVE: 0.30

RESTECH HOUSTON
INCLINE
COMPUTED DIPMETER RESULTS

COMPANY : NAHAMA AND WEAGANT ENERGY COMPANY
FIELD : MIST
WELL : L.F. NO. 13-35-65

CORRELATION INTERVAL : 9.00 FEET
CORRELATION STEP : 3.00 FEET
SEARCH ANGLE : 65.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAXIMUM SEARCH : 75.00 DEGREES
MAGNETIC DECLINATION : 21.0 EAST OF NORTH
SHORT TERM AVERAGE : 6.00

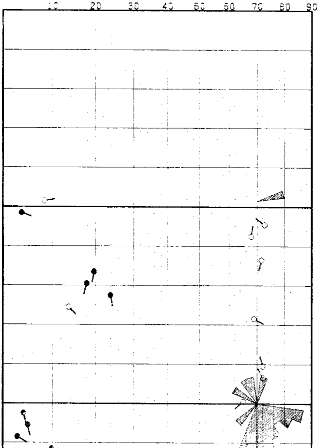
INCLINE FILE : C2
DATE/TIME : 90/11/27 AT 07:47:56
ANALYST : 500478

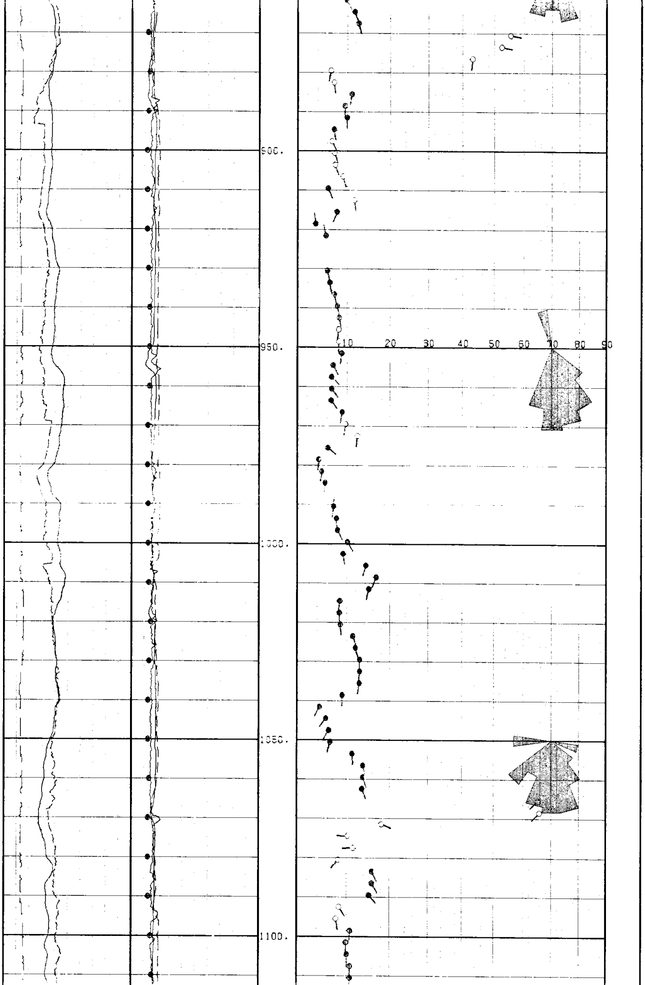


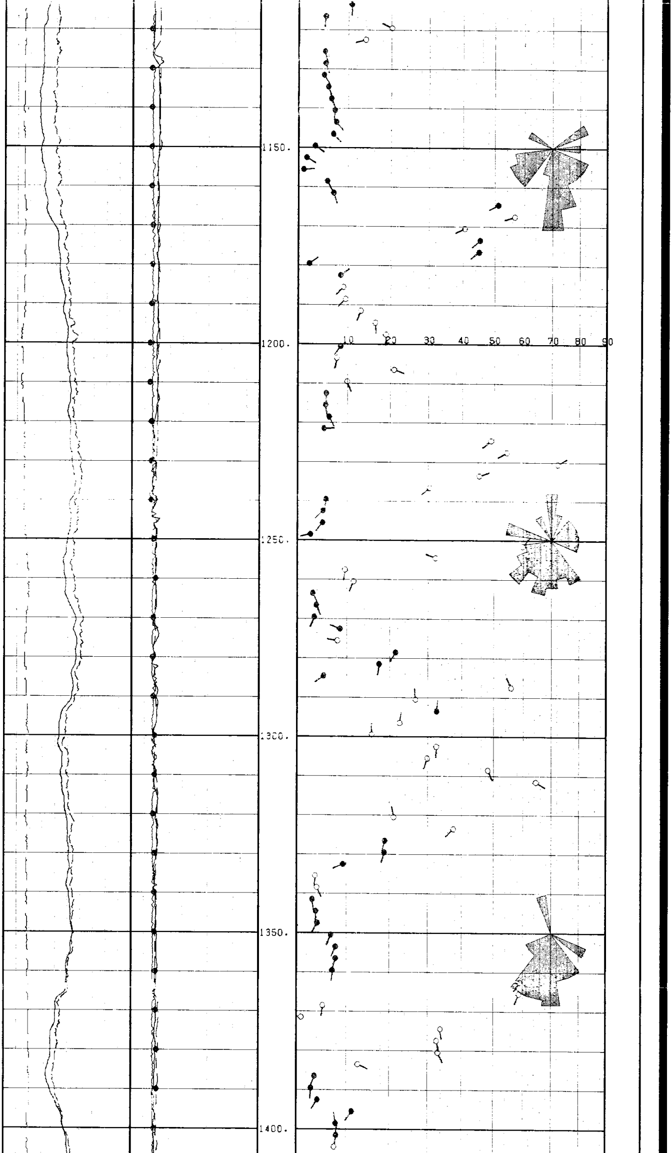
DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

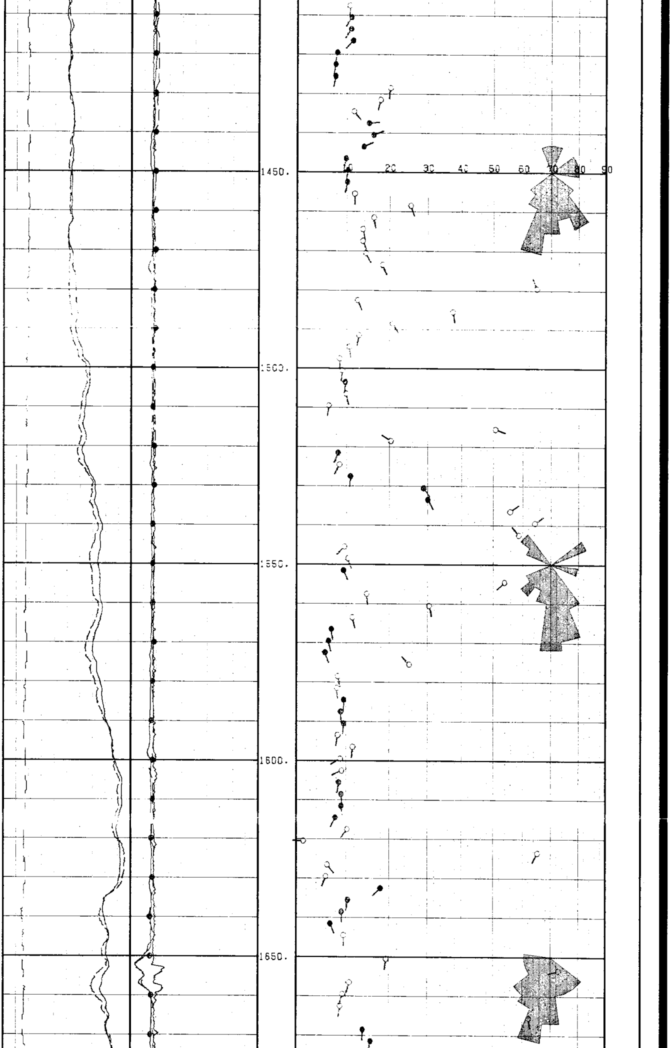
LOGGING CONTRACTOR: UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION: PAD-TO-PAD 104

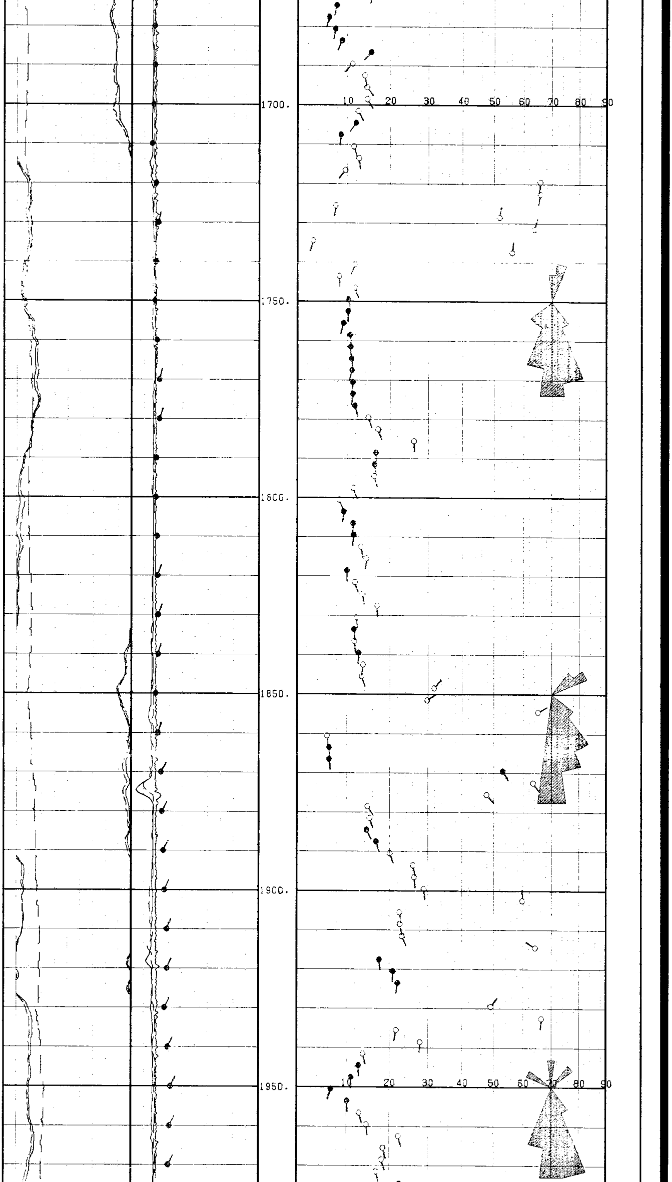
●— CORRELATION COEFFICIENT ABOVE: 0.60
○— CORRELATION COEFFICIENT ABOVE: 0.30

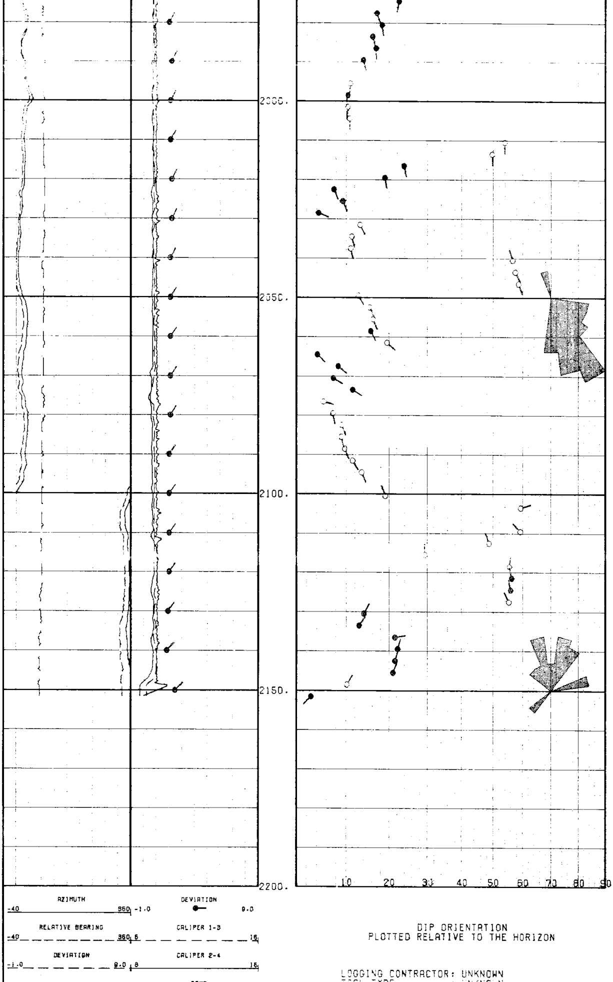












DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION: PAD-TO-PAD (C4)

●— CORRELATION COEFFICIENT ABOVE: 0.60
○— CORRELATION COEFFICIENT ABOVE: 0.30

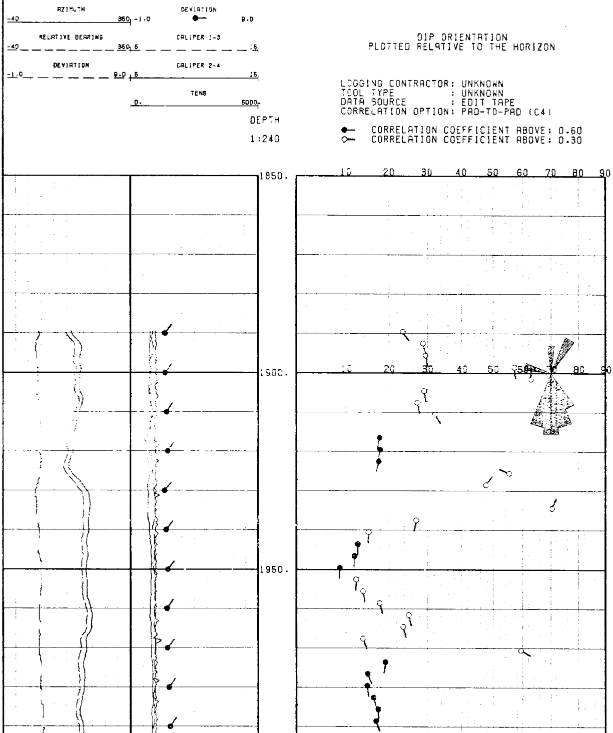
RESTECH HOUSTON
INCLINE
COMPUTED DIPMETER RESULTS

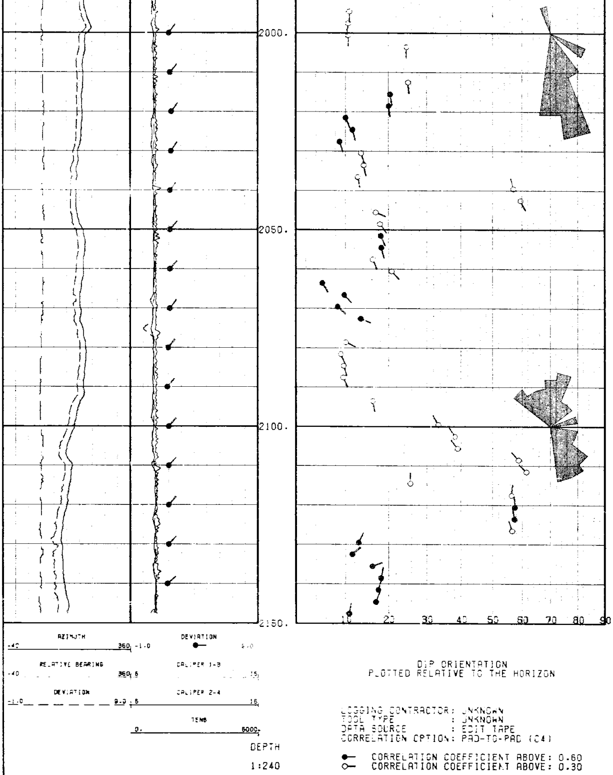
COMPANY	:	NAHAMA AND WEAGANT ENERGY COMPANY
FIELD	:	MIST
WELL	:	L.F. NO. 13-35-65
CORRELATION INTERVAL	:	9.00 FEET
CORRELATION STEP	:	3.00 FEET
SEARCH ANGLE	:	65.00 DEGREES
SEARCH REFERENCE	:	BOREHOLE
MAXIMUM SEARCH	:	75.00 DEGREES
MAGNETIC DECLINATION	:	21.0 EAST OF NORTH
SHORT TERM AVERAGE	:	6.00
INCLINE FILE	:	C1
DATE/TIME	:	90/11/27 AT 07:48:52
ANALYST	:	500478

DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION: PAD-TO-PAD (C4)

● CORRELATION COEFFICIENT ABOVE: 0.60
○ CORRELATION COEFFICIENT ABOVE: 0.30





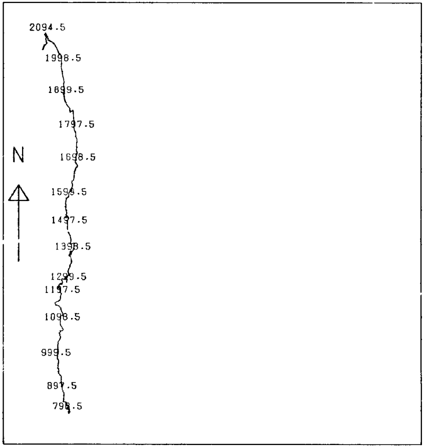
DIP ORIENTATION
PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION: PAD-TO-PAD (C4)

●— CORRELATION COEFFICIENT ABOVE: 0.60
○— CORRELATION COEFFICIENT ABOVE: 0.30

DIP AZIMUTH VECTOR

COMPANY : NAHAMA AND WEAGANT ENERGY COMPANY
FIELD : MIST
WELL : L.F. NO. 13-35-65



PLOT INFORMATION

INCLINE FILE	: C2
DATE/TIME	: 90/11/27 AT 07:48:34
ANALYST	: 500478

LOG INFORMATION

LOGGING CONTRACTOR	: UNKNOWN
TOOL TYPE	: UNKNOWN
DATA SOURCE	: EDIT TAPE
CORRELATION OPTION	: C4 PAD-TO PAD
CORRELATION INTERVAL	: 9.00 FEET
CORRELATION STEP	: 3.00 FEET
SEARCH ANGLE	: 65.00 DEGREES
SEARCH REFERENCE	: BOREHOLE
MAGNETIC DECLINATION	: 21.0 EAST OF NORTH
INCLINE VERSION	: 1

EQUAL AREA (SCHMIDT) PLOT

COMPANY : NAHAMA AND WEAGANT ENERGY COMPANY
FIELD : MIST
WELL : L.F. NO. 13-35-65

PLOT INFORMATION

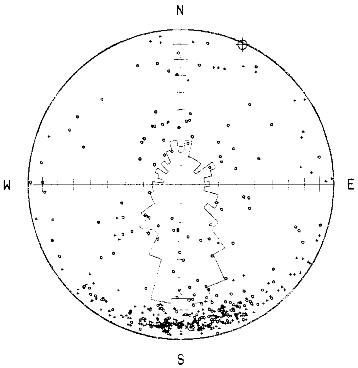
INTERVAL PLOTTED :
MEAN DIP (CONE 90 DEG) :
MEAN DIP (CONE 5 DEG) :

COEFFICIENT ABOVE 0.3 :
COEFFICIENT ABOVE 0.6 :
MEAN WELL DEVIATION :
INCLINE FILE :
DATE/TIME :
ANALYST :

2151.50 - 798.50
8.2 AT 177 (434 DIPS)
⊙ 8.4 AT 177 (179 DIPS)
°
+
⊕
C2
90/11/27 AT 08:58:16
500478

LOG INFORMATION

LOGGING CONTRACTOR : UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION : C4 PAD-TO-PAD
CORRELATION INTERVAL : 9.00 FEET
CORRELATION STEP : 3.00 FEET
SEARCH ANGLE : 65.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAGNETIC DECLINATION : 21.0 EAST OF NORTH
INCLINE VERSION : 1



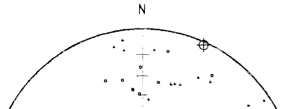
EQUAL AREA (SCHMIDT) PLOT OF DIP VECTORS

STEREOGRAPHIC (WULFF) PLOT

COMPANY : NAHAMA AND WEAGANT ENERGY COMPANY
FIELD : MIST
WELL : L.F. NO. 13-35-65

PLOT INFORMATION

INTERVAL PLOTTED : 2151.50 - 798.50
MEAN DIP (CONE 90 DEG) : 8.2 AT 177 (
MEAN DIP (CONE 5 DEG) : ⊙ 8.4 AT 177 (
COEFFICIENT ABOVE 0.3 : °
COEFFICIENT ABOVE 0.6 : +
MEAN WELL DEVIATION : ⊕
INCLINE FILE : C2
DATE/TIME : 90/11/27 AT 08:58
ANALYST : 500478

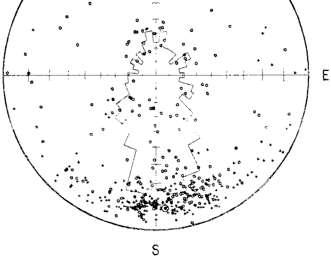


434 DIPS)
179 DIPS)

:50

LOG INFORMATION

LOGGING CONTRACTOR : UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION : C4 PAD-TO-PAD
CORRELATION INTERVAL : 9.00 FEET
CORRELATION STEP : 3.00 FEET
SEARCH ANGLE : 65.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAGNETIC DECLINATION : 21.0 EAST OF NORTH
INCLINE VERSION : 1



STEREOGRAPHIC (WULFF) PLOT OF DIP VECTORS

TANGENT PLOT

COMPANY : NAHAMA AND WEAGANT ENERGY COMPANY
FIELD : MIST
WELL : L.F. NO. 13-35-65

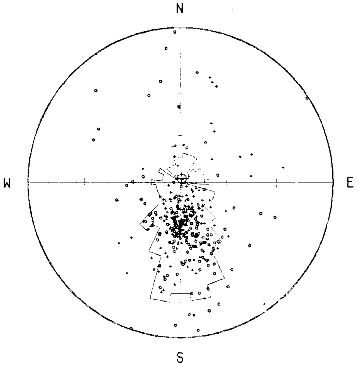
PLOT INFORMATION

INTERVAL PLOTTED : 2151.50 - 798.50
MEAN DIP (CONE 30 DEG) : 8.4 AT 174 (361 DIPS)
MEAN DIP (CONE 5 DEG) : ⊙ 8.5 AT 177 (179 DIPS)

COEFFICIENT ABOVE 0.3 : ○
COEFFICIENT ABOVE 0.6 : +
MEAN WELL DEVIATION : ⊕
INCLINE FILE : C2
DATE/TIME : 90/11/27 AT 08:59:26
ANALYST : 500476

LOG INFORMATION

LOGGING CONTRACTOR : UNKNOWN
TOOL TYPE : UNKNOWN
DATA SOURCE : EDIT TAPE
CORRELATION OPTION : C4 PAD-TO-PAD
CORRELATION INTERVAL : 9.00 FEET
CORRELATION STEP : 3.00 FEET
SEARCH ANGLE : 65.00 DEGREES
SEARCH REFERENCE : BOREHOLE
MAGNETIC DECLINATION : 21.0 EAST OF NORTH
INCLINE VERSION : 1



TANGENT PLOT SCALE AT PERIPHERY = 30 DEGREES