



I N C L I N E

COMPUTED DIPMETER RESULTS STADIAGRAPHIC - BEFORE ROTATION

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|---|---------------------------|---|--------------------------------|--------------------------------------|-----------------|--|----------------|--|-----------|-------------------------|-----------|
| CLIENT: NAHAMA AND WEAGANT ENERGY COMPANY | | COMPANY: NAHAMA AND WEAGANT ENERGY COMPANY | | WELL: MIST | | FIELD: MIST | | COUNTY: COLUMBIA | | STATE: OREGON | |
| TAPE NUMBER: SEC 33 T1P 7N R0E 5M | | LOCATION: 698' N AND 1337' N FROM SE CORNER | | PERMANENT DATUM: G.L. - ELEV. 1041.0 | | LOG MEASURED FROM: K.B. - ELEV. 1041.0 | | DIPMETER MEASURED FROM: K.B. - G.L. - 1041.0 | | OTHER COORDINATES: | |
| DEPTH - DRILLER: 2548.000 | DEPTH - LOGGING: 2547.000 | TOP LOGGED INTERVAL: 1495.000 | GRIND - DRILLER: 9.625 @ 820.0 | GRIND - LOGGING: 9.625 @ 820.0 | BIT SIZE: 8.500 | TYPE FLUID IN HOLE: POLYMER/CEL | DENSITY: 8.500 | VISCOSITY: 3.500 | PH: 5.000 | FLUORINE: 41.000 | PH: 5.000 |
| SOURCE OF SAMPLE: FLOWLINE | | Rt REQUIRED TEMP: 2.970 @ 76.0F | | Rt REQUIRED TEMP: 2.650 @ 76.0F | | SOURCE #: 887 | | TIME SINCE CIRCULATION: 5.25 HRS | | LOGGING CONTRACTOR: SLS | |
| WITNESSED BY: ANDREW PANDIT | | | | | | | | | | | |

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE BASED ON INFERENCE 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.

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|---------------------------------|---------------------------|---------------|
| COMPUTATION LOGS USED: DIPMETER | LOG ANALYST: DELANO/ROIG | PROGRAM: V1.9 |
| CENTER: HOUSTON | INCLINE FILE: 5X.25X70SBF | DATE: 6/26/92 |
| REFERENCE: 500639 | | |

COMPUTATION PARAMETERS

| DEPTH INTERVAL FROM | DEPTH INTERVAL TO | DEPTH UNITS | CORLN. LENGTH | CORLN. STEP | SEARCH ANGLE | SEARCH REFERENCE | SEARCH MAXIMUM | MAGNETIC DECLN. | TIE MEAS. | DEPTH TRUE | DEPTH AVERAGE | SHORT TERM AVERAGE |
|---------------------|-------------------|-------------|---------------|-------------|--------------|------------------|----------------|-----------------|-----------|------------|---------------|--------------------|
| 2535.75 | 2300.25 | FEET | 0.50 F | 0.25 F | 70.00 | BOREHOLE | 70.00 | 20.0 E | | | | 2.00 |
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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. I N C L I N E

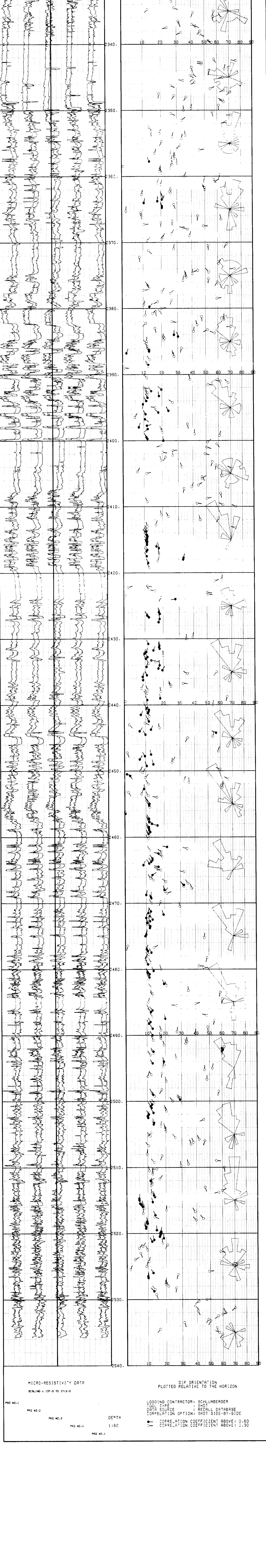
COMPUTED DIPMETER RESULTS

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

CORRELATION INTERVAL : 0.50 FEET
 CORRELATION STEP : 0.25 FEET
 SEARCH ANGLE : 70.00 DEGREES
 SEARCH REFERENCE : BOREHOLE
 MAXIMUM SEARCH : 70.00 DEGREES
 MAGNETIC DECLINATION : 20.0 E
 SHORT TERM AVERAGE : 2.00
 STACKING SURFACES : 1
 LOG NAME : .5X.25X70SBF
 DATE/TIME : 92/ 6/26 AT 7: 0:44
 ANALYST : 500639

MICRO-RESISTIVITY DATA
 SCALING = 137.0 TO 3712.0

DIP ORIENTATION
 PLOTTED RELATIVE TO THE HORIZON



MICRO-RESISTIVITY DATA
 SCALING = 137.0 TO 3712.0

DIP ORIENTATION
 PLOTTED RELATIVE TO THE HORIZON

LOGGING CONTRACTOR: SCHLUMBERGER
 LOG TYPE: SHOT
 DATA SOURCE: RECALL DATABASE
 CORRELATION OPTION: SHOT SIDE-BY-SIDE

• CORRELATION COEFFICIENT ABOVE: 0.60
 ○ CORRELATION COEFFICIENT BETWEEN: 0.30