Schlumberger

# CYBERDIP

| | |
|---|---|
| COMPANY | NAHAMA AND WEAGANT ENERGY CO. |
| WELL | "FISHHAWK/WILSON" #11A-5-65 |
| FIELD | MIST |
| COUNTY | COLUMBIA |
| STATE | OREGON |

| | |
|---|---|
| COUNTY | COLUMBIA |
| FIELD | MIST |
| LOCATION | 1885'S AND 374'E |
| WELL | "FISHHAWK/WILSON" #11A-5-65 |
| COMPANY | NAHAMA AND WEAGANT ENERGY CO |

| API SERIAL NO. | SECT. | TWP. | RANGE |
|---|---|---|---|
| 36-009-00296 | 5 | 5N | 5W |

LOCATION: 1885' FNL AND 374'FWL

Other Services: SHDT, CBL

Elevation: K.B. 646.0 F, D.F. 644.0 F, G.L. 632.0 F

Log Measured From: KB, 18.0 F above Perm. Datum

Drilling Measured From: KB

| | | | |
|---|---|---|---|
| Date | 19-OCT-1992 | | |
| Run No. | ONE | | |
| Depth Logger (Feet) | 3790.0 F | | |
| Depth Logged (Feet) | 3790.0 F | | |
| Bott. Log Interval | 3788.0 F | | |
| Top Log Interval | 3500.0 F | | |
| Casing Driller | 8 5/8" @ 500.0 F | | |
| Casing Logger | 8 5/8" @ 500.0 F | | |
| Bit Size | 7.875 F | | |
| Type Fluid in Hole | GEL CHEMICAL | | |
| Density | 9.1 LB/G | | |
| Viscosity | 60 CS | | |
| Source of Sample | FLOWLINE | | |
| Rm @ Meas. Temp. | 2.300 OHMM @ 75.0 DEGF | | |
| Rmf @ Meas. Temp. | 1.730 OHMM @ 75.0 DEGF | | |
| Rmc @ Meas. Temp. | 3.330 OHMM @ 75.0 DEGF | | |
| Source: Rmf / Rmc | MEASURED / CALCULATED | | |
| Rm @ BHT | 1.468 OHMM @ 98.0 DEGF | | |
| Circulation Ended | 16:00 10-19 | | |
| Logger on Bottom | 20:00 10-19 | | |
| Max. Rec. Temp. | 98.0 DEGF | | |
| Equipment | 8024 | | |
| Location | SCAPPOOSE | | |
| Recorded By | SCOTT / FRED | | |
| Witnessed By | MR. HAWK | | |

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

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 interpretations 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.

| | |
|---|---|
| Run No. | ONE |
| Service Order No. | 595070 |
| Drilling Fluid Level | 6.0 F |
| Salinity | 800.0 PPM |
| Rmf @ BHT | 2.433 OHMM @ 98.0 DEGF |
| Rmc @ BHT | 1.468 OHMM @ 98.0 DEGF |
| Logging Speed | 3600.0 F/HR |
| EQUIPMENT DATA | |
| Tool Number 1 | SHDS-B 948 |
| Tool Number 2 | SHDC-A 964 |
| Tool Number 3 | MCD-DA 1337 |
| Tool Number 4 | TCC-B 663 |
| Tool Number 5 | TCM-AB 1317 |
| Tool Number 6 | |
| Tool Number 7 | |
| Tool Number 8 | |
| Tool Number 9 | |
| Tool Number 10 | |
| Tool Number 11 | |
| Tool Number 12 | |
| REMARKS: | |

MAIN LOG

SHDT CYBERDIP

STRUCTURAL DIP NOT REMOVED

MIRROR IMAGES NOT REMOVED

SPEED CORRECTION NOT APPLIED

NO KNUCKLE JOINT IS USED (SDFF = -1)




CP 32.6 FILE 29 19-OCT-1992 22:26 (UP)




CP 32.6 FILE 29 19-OCT-1992 22:00 (UP)




SENSOR MEASURE POINT TO TOOL ZERO

| | | | |
|---|---|---|---|
| SHDW | 1.3 FEET | TENS | -10.8 FEET |
| RSHD | 1.3 FEET | ZB | 1.9 FEET |

PARAMETERS

| PARAMETER | VALUE | UNIT |
|---|---|---|
| PADT - Presentation Allow Diealiow Threshold | .500000 | DEG |
| MFIN - Magnetic Field Intensity | .540000 | DER |
| MDEC - Magnetic Field Declination | 19.5000 | DEG |
| MINC - Magnetic Field Inclination | 68.0000 | DEG |
| SHDS - Stratigraphic Hi-Res Dipmeter Sonde | 3 | |
| SHDI - SHDT Inclinometer | BB | |
| VREF - Voltage Reference | -5.00000 | V |
| FCDD - Fast Channel Depth Definition | 1 | |
| SDFF - Stand Off | -1.00000 | IN |
| IDFO - Input Data Format | RAW | |
| ODFO - Output Data Format | RAW | |
| ICMD - Inclinometry Computation Mode | AUTO | |
| AFMD - Accelerometer Filtering Mode | HAMM | |
| XMOD - EMEX Voltage Regulation Mode | AUTO | |
| XGAI - Gain Setting | 2 | |
| XOFF - Offset Setting | 0 | |
| FCD - Future Caliper Diameter | 4.50000 | IN |
| SPCR - Speed Correction Constant | DISA | |
| DSCA - Deviation Scale | 10 | DEG |
| SBUT - Set of Buttons Selected | ALL | |
| INT - Correlation Interval Length | 4.00000 | F |
| STEP - Step Length between Correlations | 2.00000 | F |
| SPAN - Span of Correlation Sample | 4 | |
| SAMG - S Wave Arrival Angle | 45.0000 | |
| DPAD - Diealiowed Pad | AUTO | |
| DMAX - Maximum Dip Plotted | 90 | DEG |
| ELRA - Electrical Radius | .500000 | IN |
| SDFA - Side-By-Side Distance Factor | .900000 | |
| HQUA - High Quality Dip | 14 | |
| LQUA - Low Quality Dip | 6 | |
| STDI - Structural Dip | 0.0 | DEG |
| STDA - Structural Azimuth Value | 0.0 | DEG |
| CSBL - CSB Number of Levels | 2 | |
| BS - Bit Size | 7.87500 | IN |
| BHS - Borehole Status (Open or Cased) | OPEN | |

| | | | |
|---|---|---|---|
| COMPANY | NAHAMA AND WEAGANT ENERGY CO. | SCHL. FR | 3788.0 F |
| WELL | "FISHHAWK/WILSON" #11A-5-65 | SCHL. TO | 3790.0 F |
| FIELD | MIST | DRLR. TO | 3790.0 F |
| COUNTY | COLUMBIA STATE OREGON | Elev: KB | 646.0 F |
| | | DF | |
| | | GL | 634.0 F |

CYBERDIP

Schlumberger