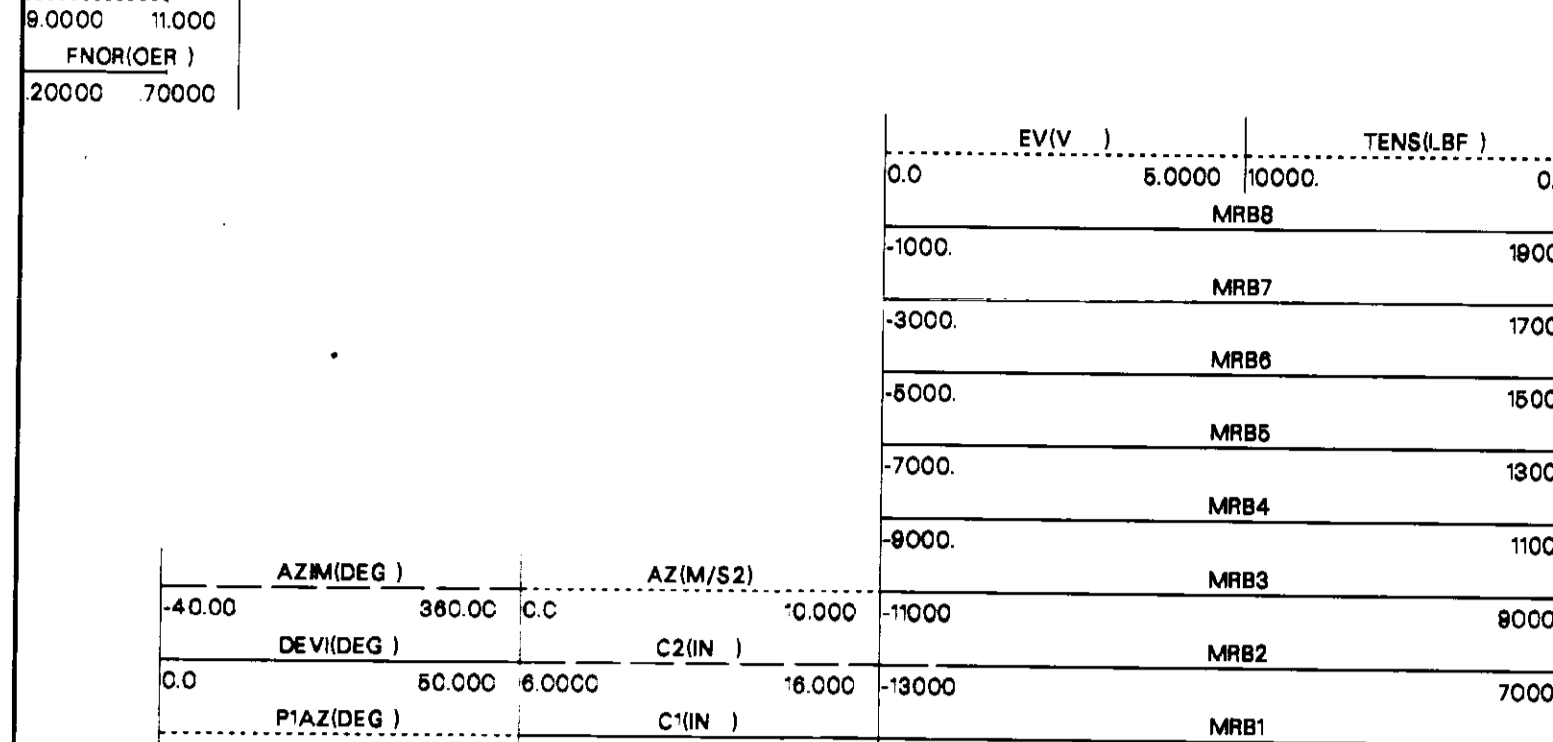


Well information form including COMPANY (NAHAMA AND WEGANT ENERGY CO), FIELD (MIST), COUNTY (COLUMBIA), STATE (OREGON), and well name (JR BURGER JOHNSTON #24-19-65 RD#1).

Disclaimer text: All interpretations are optional based on references from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations...

Run No. 824496, Service Order No. 824496, Drilling Fluid Level 50 F, Battery 660 C PPM, Rmt @ BHT 1606 OHMM @ 87.0 DEG.

REMARKS: CORRELATED TO SWIS OIL-BHC 15-AUG-93, MAXIMUM DEVIATION = 38 DEG AT TD, FMS RUN WITHOUT KNUCKLE JOINT, 15' STANDOFF RUN ON TCBB.



TOTAL TDOL STRING LENGTH IS 97.6 F., TOTAL TDOL STRING HEIGHT IS 594. LB IN AIR.

MAIN LOG

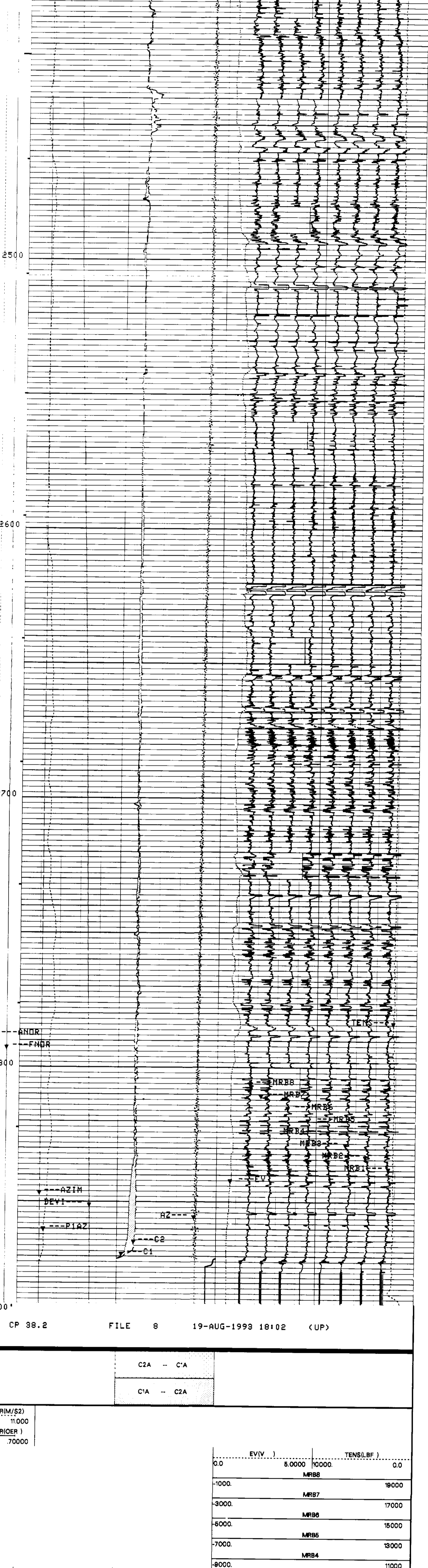
SPEED CORRECTION NOT APPLIED

ACCUMULATED INTEGRATION VALUES SUMMARY: Integrated Hole Volume: 261.429 F3, Integrated Cement Volume: 175.115 F3.

EVENT MARK SUMMARY: OUTPUT, INTERVAL BETWEEN PIPS, DEPTH TRACK EDGE.

ANORM(SZ) 80000 10000, FNORICER) 20000 70000, AZIMIDEG, AZIM(SZ), DEVIDEG, C2IN, PIAXIDEG, C1IN.

CP 38.2 FILE 8 19-AUG-1993 18:34 (UP)



CP 38.2 FILE 8 19-AUG-1993 18:02 (UP)

ANORM(SZ) 80000 10000, FNORICER) 20000 70000, AZIMIDEG, AZIM(SZ), DEVIDEG, C2IN, PIAXIDEG, C1IN.

SENSOR MEASURE POINT TO TOOL ZERO

Table of sensor measurements: C1 1.1 FEET, MRB 1.1 FEET, MRPC 1.1 FEET, MRPA 1.1 FEET, AY 1.1 FEET, FX 1.1 FEET, FZ 1.1 FEET, FCAY 1.1 FEET, CSBL 2, FTIM 1.1 FEET.

PARAMETERS: NAME VALUE UNIT, PADT .500000 DEG, AFMD HAMM, MDEC 19.0000 DEG, ICSD 502.000 F, PTPP MEC, SDFF -1.00000 IN, DDFD RAW, XGAI 2, FCD 4.50000 IN, INT 4.00000 F, SPAN, DPAD AUTO, ELRA .500000 IN, HQUA 14, STDI 0.0 DEG, CSBL 2, BHS OPEN.

REPEAT SECTION

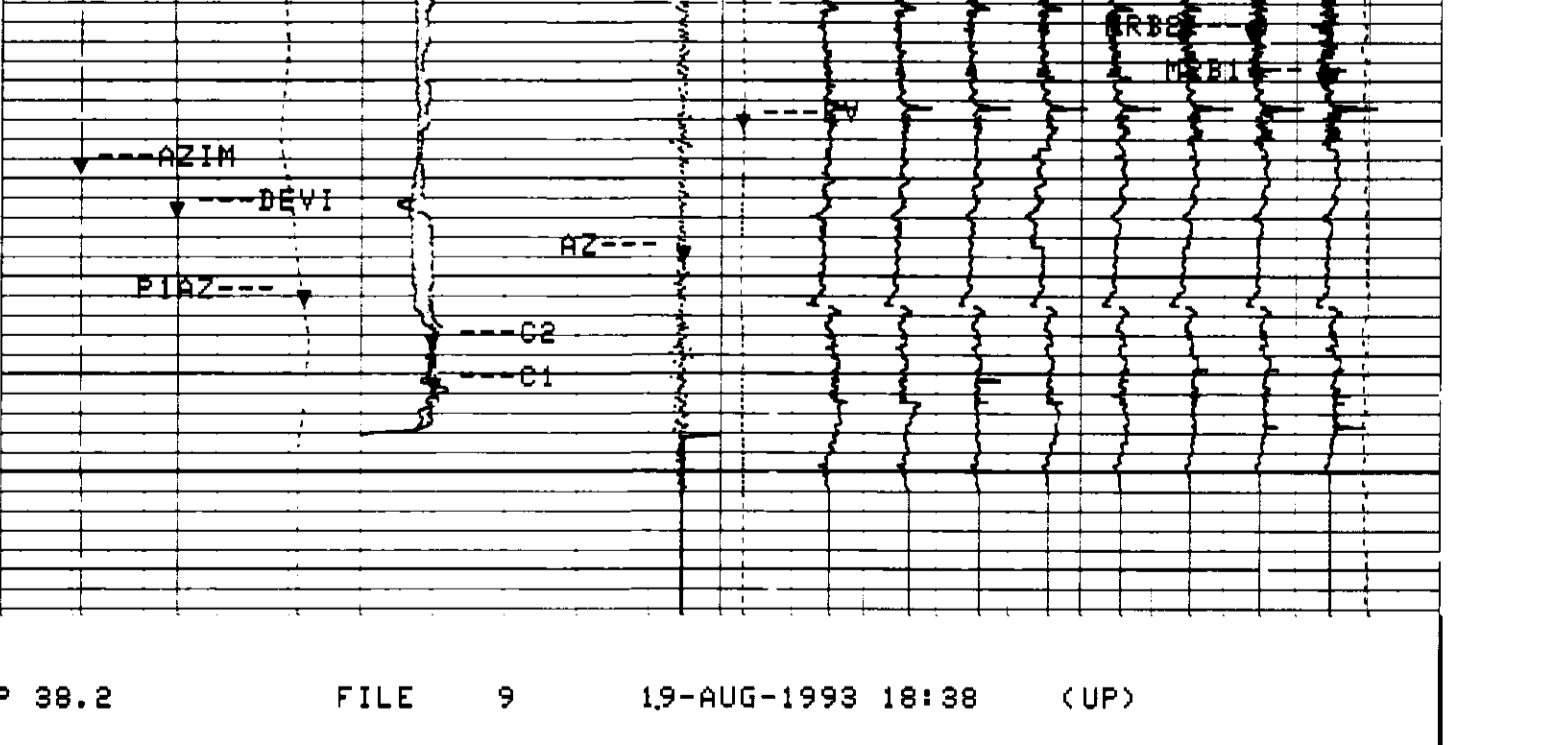
SPEED CORRECTION NOT APPLIED

ACCUMULATED INTEGRATION VALUES SUMMARY: Integrated Hole Volume: 76.9298 F3, Integrated Cement Volume: 50.1406 F3.

EVENT MARK SUMMARY: OUTPUT, INTERVAL BETWEEN PIPS, DEPTH TRACK EDGE.

ANORM(SZ) 80000 10000, FNORICER) 20000 70000, AZIMIDEG, AZIM(SZ), DEVIDEG, C2IN, PIAXIDEG, C1IN.

CP 38.2 FILE 9 19-AUG-1993 18:38 (UP)



CP 38.2 FILE 9 19-AUG-1993 18:02 (UP)

ANORM(SZ) 80000 10000, FNORICER) 20000 70000, AZIMIDEG, AZIM(SZ), DEVIDEG, C2IN, PIAXIDEG, C1IN.

SENSOR MEASURE POINT TO TOOL ZERO

Table of sensor measurements: C1 1.1 FEET, MRB 1.1 FEET, MRPC 1.1 FEET, MRPA 1.1 FEET, AY 1.1 FEET, FX 1.1 FEET, FZ 1.1 FEET, FCAY 1.1 FEET, CSBL 2, FTIM 1.1 FEET.

PARAMETERS: NAME VALUE UNIT, PADT .500000 DEG, AFMD HAMM, MDEC 19.0000 DEG, ICSD 502.000 F, PTPP MEC, SDFF -1.00000 IN, DDFD RAW, XGAI 2, FCD 4.50000 IN, INT 4.00000 F, SPAN, DPAD AUTO, ELRA .500000 IN, HQUA 14, STDI 0.0 DEG, CSBL 2, BHS OPEN.

CALIBRATION SUMMARY

BEFORE SURVEY CALIBRATION SUMMARY: PERFORMED: 19-AUG-1993 17:17, PROGRAM FILE: TDIP, VERSION 38.2, 92/10/12 92/10/12.

MEST CALIPER CALIBRATION SUMMARY: MEASURED SMALL LARGE, CALIBRATED SMALL LARGE, UNITS.

GPIC CALIBRATION SUMMARY: MAGNETOMETER MANUFACTURER CODE: 4, MAGNETOMETER SERIAL NUMBER: 115, MAGNETOMETER REFERENCE TEMPERATURE: 100.0 DEGC.

GPIC CALIBRATION SUMMARY: ACCELEROMETER MANUFACTURER CODE: 0, ACCELEROMETER SERIAL NUMBER: 171, ACCELEROMETER REFERENCE TEMPERATURE: 26.0 DEGC.

CP 38.2 FILE 8 19-AUG-1993 17:16

COMPANY NAHAMA AND WEGANT ENERGY CO., WELL "JR BURGER JOHNSTON" #24-19-65 RD#1, STATE COLUMBIA, COUNTY OREGON.

Schlumberger FORMATION MICRO SCANNER