

HORIZON

WELL LOGGING

COMPANY: NAHAMA & WEGMANT ENERGY CO.
WELL: "COMPY" JOHNSON #226-19-65

LOCATION: 1823'S and 121'E from the NW corner of Sec 19, T6N, R5W, W. 1. N.

ELEVATION: 937' C.L.
COUNTY: Columbia, Oregon
API NUMBER: 36-009-00406

LOGGING DEPT: 7-12-93
LOGGING DEPT: 40' to 2940' (K.B.S.)
GEOLOGIST: Jeff Vanhook

COMPANY MAN: Rob Lister
CONTRACTOR: Taylor Drilling, Inc.
RIG: LOGGING GEOLOGISTS: Jim Eastman, Dan Cross

BIT SIZE: 12.25" to 507'
7.875" to 2940',
CASING: 8.625" to 506'
4.5" to 2940'

DRILL RATE

ABBREVIATIONS

CO Circulate Out
LAT Logged After Trip
LAS Logged After Survey
CG Connection Gas
KC Kelly Cut Gas
WG Wiper Gas
TG Tye Gas
SG Survey Gas
NR Nispar Run
CORE INTERVAL
MOB (100,000 full scale)
TRIP

SYMBOLS

PEBBLES >2mm
SAND
SANDSTONE
SILTSTONE
MUDSTONE
SHALE
MARL
CLAY
CHEAT
DOLOSTONE
LIMESTONE
VOLCANICS
TUFF
BASALT

DRILL RATE LITHOLOGY MINERAL GASES CHROMATOGRAPH REMARKS

DRILL RATE	LITHOLOGY	MINERAL	GASES	CHROMATOGRAPH	REMARKS
ROP			DITCH GAS	METHANE	DESCRIPTIONS
MOB			CUTTINGS GAS	ETHANE	SURVEYS
100K			OFFSCALE	BUTANE	MUD CHECKS
			OFFSCALE	PENTANE	MISCELLANEOUS

(Note: The table contains detailed well log data including ROP, lithology, mineralogy, gas analysis, and chromatography results across various depths from 0 to 2940 feet.)

DRILL RATE