HORIZON
MELL LOGGING

711 ST. Andrews Way
Lompoc, California 93436
(805) 733-0972

COMPANY	ENERVEN RESOURCES NORTHWEST
WELL	C.C. 12-03-05 (Lindblad)
LOCATION	570.79'N & 715.27'E F/N Cor SW4 Sec. 03, T6N, R5W, W.M. & S.M. X=1295050.9000, Y=675480.5000
ELEVATION	GL 908.00' KB 918.00'
FIELD	Mist
COUNTY	Columbia, Oregon
SPUD DATE	Oct 08, 1999
LOGGING DATES	Oct 08 to Oct 13, 1999
OPERATOR	Enerven Resources Northwest
GEOLOGIST	Dave Hugoire
DRILL REP	Rob Lucas/Production Specialties
CONTRACTOR	Taylor Drilling Inc.
RIG	#7
MUD COMPANY	Bob Martin/Baker Chemical
MUD TYPE	Gel/Accu-Gauge
LOGGING GEOLOGIST	Jon Erickson, Nick Kramer
BIT SIZE	9.875 in to 480'
	8.25 in to 2731'
CASING	12.00 in to 30'
	7.00 in to 479'

CALIBRATION: GS METHANE = 100 UNITS

ABBREVIATIONS

CO	Circulate Out
LAT	Logged After Trip
CO	Connection Gas
WO	Wiper Gas
TG	Trip Gas
SG	Survey Gas
NR	No Returns
NB	New Bit
WR	Wiper Run
CORE INTERVAL	
WOB	(100,000# full scale)
PP	Pump pressure
SPM	Strokes per minute

SYMBOLS

PEBBLES 10mm
SAND
SANDSTONE
SILTSTONE
MUDSTONE
SHALE
MARL
CLAY
LIGNITE
DOLOSTONE
LIMESTONE
VOLCANICS
TUFF
BASALT

DRILL RATE

ROP 300
WOB
100K

LITH

Drilling Break
Lost Circulation
Mud Loss

MINERAL

DITCH GAS
OFFSCALE
CUTTINGS GAS
OFFSCALE

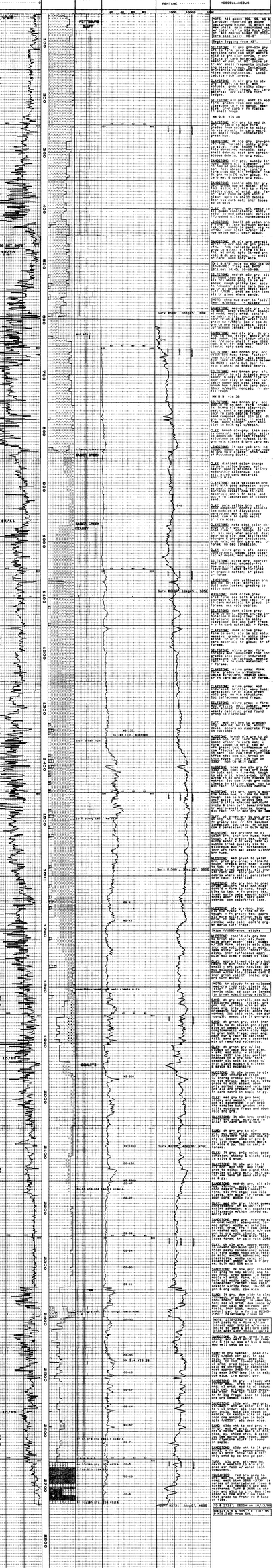
GASES

20 40 60 80

CHROMATOGRAPH

METHANE
ETHANE
PROPANE
BUTANE
PENTANE

1000 10000 100K

REMARKS

DESCRIPTIONS
SURVEYS
MUD CHECKS
MISCELLANEOUS