HORIZON

WELL LOGGING

COMPANY:	SUSANA & VIRGINIA ENERGY CO.
WELL:	"KOEHNEN" LEBEL #72-15-65
LOCATION:	180' East and 140' North from the SW Corner of the NE Qtr. Sec. 15, T35S, R5W
ELEVATION:	1317' G.L. 1327' K.B.
FIELD:	WEST
COUNTY:	COLUMBIA
API NUMBER:	42-09-00018
SPUD DATE:	11-13-93
LOGGING DATES:	11-14-93 TO 11-19-93
LOGGING DEPTH:	30' TO 3835'
GEOLOGIST:	Jeff Vaughan
COMPANY MAN:	Rob Lucas
CONTRACTOR:	Taylor Drilling
RIG:	#7
LOGGING GEOLOGISTS:	Joe Bates Jim Cross
BIT SIZE:	12.25" To 505' 7.875" To 3835'
CASING:	8.625" @ 505'
MUD COMPANY:	Enterprise
MUD ENGINEER:	Rick Jones

Underline in wheat = on core

ABBREVIATIONS

CO	Circulate Out
LAT	Logged After Trip
LAS	Logged After Survey
CP	Connection Gas
BG	Background Gas
HG	Higher Gas
TG	Trip Gas
RS	Survey Gas
HR	Higher Run
CON	CORE INTERVAL
MUD	(100.0000# full metal)
TRIP	

SYMBOLS

PEBBLES >2mm
SAND
SANDSTONE
SILTSTONE
MUDSTONE
SHALE
MARL
CLAY
CHERT
DOLOSTONE
LIMESTONE
VOLCANICS
TUFF
GRANITE

DRILL RATE

ROP
WOB
100K

LITHOLOGY

Mudlog Lithology
Core Lithology

MINERAL

MINERAL COLUMN (HIGHLIGHTS)

SACKER CREEK

GASES

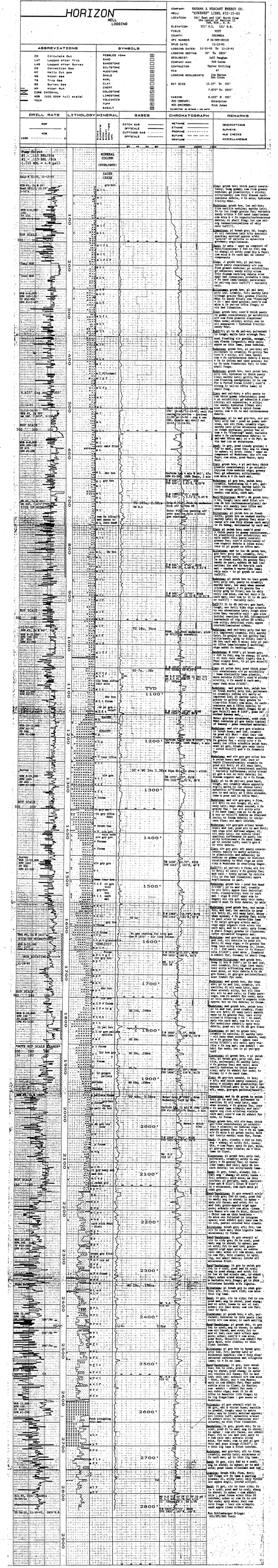
DITCH GAS
OFFSCALE
CUTTINGS GAS
OFFSCALE

CHROMATOGRAPH

METHANE
ETHANE
PROPANE
BUTANE
PENTANE

REMARKS

DESCRIPTIONS
SURVEYS
MUD CHECKS
MISCELLANEOUS


Pump Output
#1 - 13 BBL/Stk
#2 - 13 BBL/Stk
(.115 BBL - 4.8 gal)
Spud 8:30 PM, 11-13-93
PPG Pty. 9.8 #/G
Spud 8PM11-13-93
DOP SCALE
TRIP MUD
MUD WT
ECD EQ-MUD
ECD-FRACGRAD
ECD-FRACGRAD
PRESSURE SCALE
PRESSURE
PRESSURE
PRESSUR