

HORIZON

MELL
LOGGING

711 St. Andrews Way
Livermore, California 94550
(925) 733-0572

ABBREVIATIONS

CO	Circulate Out
LAT	Logged After Trip
CS	Completion
MS	Miser Gas
TS	Trap Gas
SG	Survey Gas
NR	No Returns
NB	New bit
WB	Miser Run
COPI	COPI INTERVAL
MOB	100,000 PSI scale
PSW	Pump Pressure
SPW	Strokes per minute

SYMBOLS

PEBBLES 2mm	□
SAND	□
SANDSTONE	□
SILTSTONE	□
MUDSTONE	□
SHALE	□
MARL	□
CLAY	□
CLAYNITE	□
DOBLOSTONE	□
LIMESTONE	□
VOLCANICS	□
TUFF	□
BASA.†	□

DRILL RATE

300	200
1000	600
	400
	200
	0
	1000
	2000
	3000
	4000
	5000

LITH

ALLIGATOR
MUDSTONE
SANDSTONE

MINERAL

Micas
Kaolinite
Illite
Montmorillonite
Gibbsite
Chlorite
Quartz
Feldspar
Pyrite
Siderite
Calcite
Sulfate
Carbonates

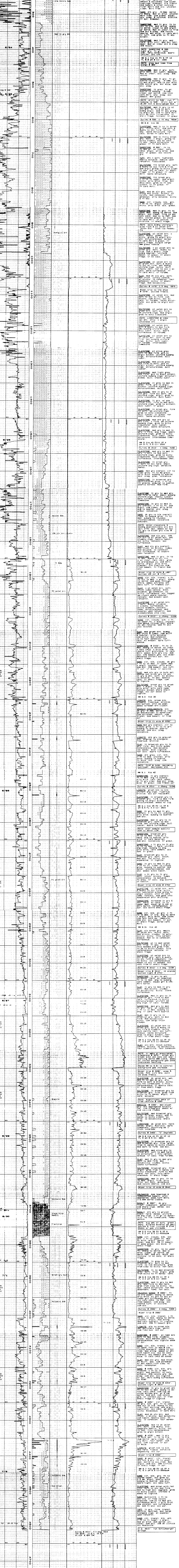
GASES

DITCH GAS
CUTTINGS GAS
OFFSCALE

CHROMATOGRAPH

METHANE
ETHANE
PROPANE
BUTANE
PENTANE

DRILL RATE	LITH	MINERAL	GASES	CHROMATOGRAPH	REMARKS
------------	------	---------	-------	---------------	---------



Survey # 4505' 0.0 deg S 10W
TWD 2658' 0.0 deg S 10W

COMPANY	ENERPAC RESOURCES NORTHWEST
WELL LOCATION	J # 43-26-64 (60ndst) S 10W 23' N 63E 53' W /SE corner
ELEVATION	Sec 26, T6N, R4W, W 8 6M
FIELD	4-10000000000
COUNTY	A-1127'
SPUD DATE	June 23, 1999
OPERATOR	June 23 to July 2, 1999
GEOLOGIST	David Macpherson Northwest
DRIILL REP	Cave Muggins
CONTRACTOR	Rob Lucas-Production Specialists
RIG	Taylor Drilling Inc
MUD COMPANY	#7
MUD TYPE	Marlon/Severn Chemical
LOGGING LOGSTER	97ACCU-SAGE
BIT SIZE	8 7/8 in to 5 7/8
CASING	12 00 in to 30
	7 00 in to 5 7/8

NOTE: (1) gases (CO, MR, SO2) reported as above... (2) gases reported as above... (3) gases reported as above... (4) gases reported as above... (5) gases reported as above... (6) gases reported as above... (7) gases reported as above... (8) gases reported as above... (9) gases reported as above... (10) gases reported as above... (11) gases reported as above... (12) gases reported as above... (13) gases reported as above... (14) gases reported as above... (15) gases reported as above... (16) gases reported as above... (17) gases reported as above... (18) gases reported as above... (19) gases reported as above... (20) gases reported as above... (21) gases reported as above... (22) gases reported as above... (23) gases reported as above... (24) gases reported as above... (25) gases reported as above... (26) gases reported as above... (27) gases reported as above... (28) gases reported as above... (29) gases reported as above... (30) gases reported as above... (31) gases reported as above... (32) gases reported as above... (33) gases reported as above... (34) gases reported as above... (35) gases reported as above... (36) gases reported as above... (37) gases reported as above... (38) gases reported as above... (39) gases reported as above... (40) gases reported as above... (41) gases reported as above... (42) gases reported as above... (43) gases reported as above... (44) gases reported as above... (45) gases reported as above... (46) gases reported as above... (47) gases reported as above... (48) gases reported as above... (49) gases reported as above... (50) gases reported as above... (51) gases reported as above... (52) gases reported as above... (53) gases reported as above... (54) gases reported as above... (55) gases reported as above... (56) gases reported as above... (57) gases reported as above... (58) gases reported as above... (59) gases reported as above... (60) gases reported as above... (61) gases reported as above... (62) gases reported as above... (63) gases reported as above... (64) gases reported as above... (65) gases reported as above... (66) gases reported as above... (67) gases reported as above... (68) gases reported as above... (69) gases reported as above... (70) gases reported as above... (71) gases reported as above... (72) gases reported as above... (73) gases reported as above... (74) gases reported as above... (75) gases reported as above... (76) gases reported as above... (77) gases reported as above... (78) gases reported as above... (79) gases reported as above... (80) gases reported as above... (81) gases reported as above... (82) gases reported as above... (83) gases reported as above... (84) gases reported as above... (85) gases reported as above... (86) gases reported as above... (87) gases reported as above... (88) gases reported as above... (89) gases reported as above... (90) gases reported as above... (91) gases reported as above... (92) gases reported as above... (93) gases reported as above... (94) gases reported as above... (95) gases reported as above... (96) gases reported as above... (97) gases reported as above... (98) gases reported as above... (99) gases reported as above... (100) gases reported as above...