SPOCK WELL LOGGING, INC.

Bakersfield, CA (805) 397-7472
Ventura, CA (805) 658-7708
Anchorage, AK (907) 561-2474

COMPANY	NARANA & WEAGANT ENERGY CO.
WELL	FISHRAMM/WILSON 11A-5-65
FIELD	MIST
LOCATION	1385' East and 275' South from the Northwest corner of Section 5 T6N, R5W, W. M. Columbia, Oregon
API WELL INDEX NO.	36-029-00296
ELEVATION	604' GL 604' KB
DATES	10-13-92 TO 10-14-92
DEPTHS	80' TO 2340'
SPUD DATE	10-12-92
DRILLING CONTRACTOR	Taylor Drilling RIG #7
COMPANY GEOLOGIST	Jeff Vaughan
COMPANY DRILLING SUP.	Ron Lewis
MUD COMPANY	Beaver Drilling Fluids
MUD TYPE	Gel/Polymer
LOGGING UNIT #	5
LOGGING GEOLOGISTS	Jim Eastes John Riddle

ANALYSIS OF RETURNS

ABBREVIATIONS

NB	NEW BIT	MW	MUD WEIGHT
	(MILL TOOTH/INSERT)	VIS	FUNNEL VISCOSITY
PDC	PC DIAMOND CUTTER	PV	PLASTIC VISCOSITY
RB	RETAIN BIT	YP	YIELD POINT
RTB	RE-TOOTH BIT	WL	FILTRATE
CB	CORE BIT	CL	PPM CHLORIDE ION
TG	TRIP GAS	Rm	MUD RESISTIVITY
SG	SURVEY GAS	Rmf	FILTRATE RESISTIVITY
WG	WIPER GAS	LAT	LOGGED AFTER TRIP
CG	CONNECTION GAS	MWD	MWD DIRECTIONAL SURVEY
KG	KELLY CUT GAS	NR	NO RETURNS
WOB	WEIGHT ON BIT	PR	POOR RETURNS
RPM	ROTARY REVS/MIN	LCM	LOST CIRC. MATERIAL
PP	PUMP PRESSURE	CO	CIRCULATE OUT
SPM	STROKES/MIN		

CASING RECORD

8 5/8"	TO	320'
	TO	
	TO	
	TO	
	TO	

HOLE SIZE

12 1/4"	TO	320'
7 7/8"	TO	T.D.
	TO	
	TO	

SAND	CLAYSTONE	LIMESTONE	TUFF
SANDSTONE	CLAY	DOLOSTONE	FOSSIL
SHALE	DIATOMITE	VOLCANICS	MICA
SILTSTONE	CONGLOMERATE	BASALT	LIGNITE
			GLAUCONITE
			PYRITE
			Marl

DRILL RATE (FT/HR)

drilling data

DEPTH

LITHOLOGY

OIL — GAS — UNITS

TRIP GAS

CUTTINGS GAS

CALIBRATION 100 units = 2% methane (CH4)

DITCH — TOTAL GAS

CHROMATOGRAM — PPM

METHANE, C-1 .....
ETHANE, C-2 .....
PROPANE, C-3 .....
BUTANE, C-4 4
PENTANES, C-5 5

Note: Modifiers in Accessory Mineral Column are listed in the order of an accessory mineral in a modest amount.

Key: Accessory: 1-5 counts
Occasional.....6-10 counts
Common.....10+ counts
Abundant.....present thru entire sample

Downhole Contamination: (plutonoids) Common.....2
Abundant.....4

Note Pump Output: 21 3/8" X 14" 1353bbls/day
22 3/8" X 14" 1755bbls/day

Bit Scale 200

Scale 200

Scale 200