EPOCH WELL LOGGING, INC.

COMPANY	ARCO OIL AND GAS Co.
WELL	Sterling # 12-26-66
FIELD	Wildcat
LOCATION	5294' and 5147' from the west & corner of section 26, T4N-R6E
COUNTY, STATE	Clatsop, Oregon
API WELL INDEX NO.	
ELEVATION	495'G.L. 505'K.B.
DATES	FROM 11-25-80 TO 11-11-80
DEPTHS	FROM 50'M.D. TO 10147'M.D.
SPUD DATE	11-25-80
DRILLING CONTRACTOR	Paul Graham, Rig #4
MUD COMPANY	Dowell
LOGGING GEOLOGISTS	John Day, Jim Cooter

ABBREVIATIONS

NB	BIT	WW	MUD WEIGHT
RRB	REPLIN BIT	VG	FUNNEL VISCOSITY
RTB	RB-TOP BIT	PV	PLASTIC VISCOSITY
CB	CORE BIT	YP	YIELD POINT
C.G.	CUTTING GAS	FL	FLUID LOSS (30/30 min)
S.G.	SURVEY GAS	CL	PPM CHLORIDE ION
W.G.	WIPER GAS	RM	MUD RESISTIVITY
C.G.	CONNECTION GAS	RMF	FILTRATE RESISTIVITY
WOB	WEIGHT ON BIT	LAT	LOGGED AFTER TRIP
RPM	ROTARY REV/MIN	NR	NO RETURNS
PP	PUMP PRESSURE	PR	POOR RETURNS
SPM	STROKES/MIN	MUD TYPE	Lig Mud

CASING RECORD

16-1/2"	AT 127'K.B.
9-5/8"	AT 1517'K.B.
	AT
	AT

HOLE SIZE

8-1/2"	AT 1517'K.B.
7-7/8"	AT 10147'K.B.
	AT
	AT

SS SANDS/SANDSTONE · CL CLAY · LS LIMESTONE · T TUFF · L LIGNITE
SH SHALE · D DOLOSTONE · F FOSSIL · G GLAUCONITE
ST SILTSTONE · C CONGLOMERATE · B BASALT · M MICA · P PYRITE

OIL: BASED ON LIVE OIL IN UNWASHED CUTTINGS AND PERCENT STAINING AND FLUORESCENCE OF WASHED SAMPLES.

PENETRATION

DRILL RATE (FT/HR) drilling data

ANALYSIS OF RETURNS

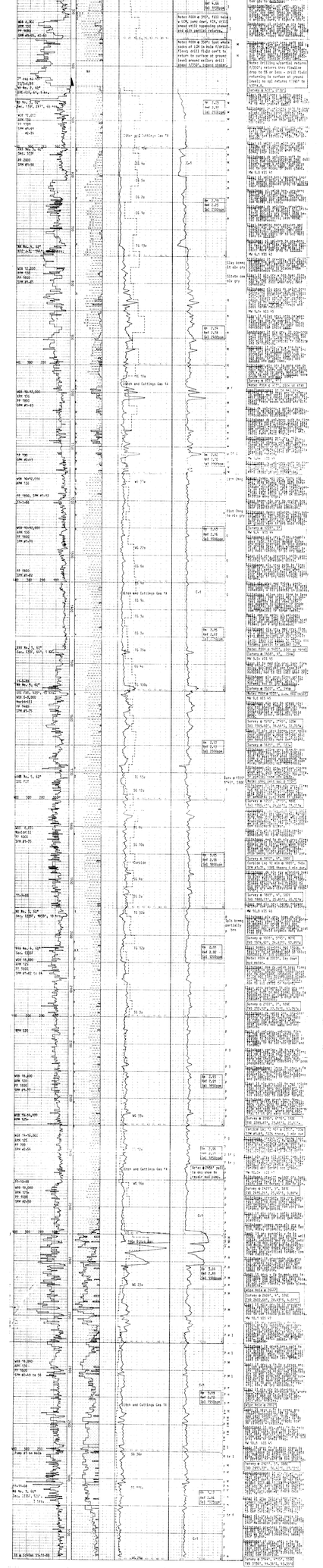
OIL · GAS — UNITS · CHROMATOGRAPH — PPM

DITCH — TOTAL GAS

CUTTINGS GAS

CALIBRATION METHANE 10% METHANE 1% METHANE 0.1% METHANE 0.01%

METHANE: C-1. ..... ETHANE: C-2. ..... PROPANE: C-3. ..... BUTANES: C-4. ..... PENTANES: C-5. .....

REMARKS

LITHOLOGIC DESCRIPTION
MUD PROPERTIES
SURVEYS, OTHER TEST DATA