

WELL LOGGING, INC.

COMPANY ARCO OIL AND GAS CO.
WELL HAMLIN 33-17-65
FIELD MIST
LOCATION 1637.77'N and 1983.61'W of the Southeast corner of Section 17, T6N, R3W, W4M.

COUNTY, STATE COLUMBIA, OREGON

API WELL INDEX NO.

ELEVATION 535.65' G.L. 547.15' K.B.

DATES FROM 9-30-89 TO 10-8-89

DEPTHS FROM 300' TO 3150' K.B.

SPUD DATE 9-30-89

DRILLING CONTRACTOR TAYLOR DRILLING, RIG #5

MUD COMPANY BAROID

LOGGING GEOLOGISTS CRAIG ANDERSON
GARY SANDSTROM

ABBREVIATIONS

RB BIT	MW MUD WEIGHT	CLAY
NRB RETURN BIT	VIS FUNNEL VISCOSITY	LIMESTONE
RTB RE-TIP BIT	VP PLASTIC VISCOSITY	TUFF
CB CORE BIT	YP YIELD POINT	F FOSSIL
T.G. TRIP GAS	FL FLUID LOSS (cc/30 min)	L LIGNITE
S.G. SURVEY GAS	CL PPM CHLORIDE (ION)	G GRAUVE
W.G. WIPER GAS	RM MUD RESISTIVITY	P PYRITE
C.G. CONNECTION GAS	RF FILTRATE RESISTIVITY	
WOB WEIGHT ON BIT	LAT LOGGED AFTER TRIP	
RPM ROTARY RPM	NR NO RETURNS	
SPM PUMP PRESSURE	PR POOR RETURNS	
PP STROKES/MIN	MD MUD TYPE (S, N, D, POLYMER)	

CASING RECORD

13 3/8" Cond AT 30'
9 5/8" AT 450' K.B.
AT
AT
AT
AT
17 1/2" AT 30'
8 1/2" AT 566' K.B.
6 1/2" AT 3150' K.B.
AT

<input type="checkbox"/> SAND/SANDSTONE	<input type="checkbox"/> CLAY	<input type="checkbox"/> LIMESTONE	<input type="checkbox"/> TUFF
<input type="checkbox"/> SHALE	<input type="checkbox"/> MUDSTONE	<input type="checkbox"/> MARL	<input type="checkbox"/> F FOSSIL
<input type="checkbox"/> SILTSTONE	<input type="checkbox"/> CONGLOMERATE	<input type="checkbox"/> BASALT	<input type="checkbox"/> M MICA
			<input type="checkbox"/> G GRAUVE
			<input type="checkbox"/> P PYRITE

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

PENETRATION ANALYSIS OF RETURNS REMARKS

