STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
910 State Office Building Portland, OR 97201

WELL SUMMARY REPORT

(In compliance with rules and regulations pursuant to ORS 520)

ARCO Oil and Gas Company (Company or operator) — Columbia County (Lease) — #31-8 (Well No.)

Sec. 8, T. 6N, R. 5W W.B.& M. Surveyed Coordinates:

SHL: 1605' W & 660' S of NE Corner BHL: 169.47' S & 326.93' W of SHL

Wildcat: _____ (or) Field Name: Mist County: Columbia

Elevation of ground above sea level is 715 feet. All depth measurements are taken from kelly bushing, which is 11' above ground.

Date: January 22nd, 1987 Signature: Kwang U Park
Position: Dist. Drlg. Superintendent

Commenced drilling: 10-17-86 Completed drilling: 10-24-86 P&A: 10-26-86

Total depth: 4054' Redrill depth: N/A

Logs run: DIL/SFL, CNL/LDT, BCS, Dipmeter, SWC

CASING RECORD

Size of hole	Size of casing	Wt. in lbs. per ft.	Grade Type	Depth	Amount of cement
	13-3/8"	68#	K55 BTC	41'	Conductor
12-1/4"	9-5/8"	36# & 47#	J55 STC/ L80 BTC	450'	220 sx

Plugs 4054' - 556' (Mud)
556' - 267' (Cement)
31' - Surface (Cement)

Junk None

GEOLOGICAL MARKER	DEPTH
Clark and Wilson Sand	3587' TVD

PERFORATIONS OR LINER

Size of casing	From	To	Shots/ft.	Method of Perforating: Jet	Bullet	Slotted Liner
N/A						

INITIAL PRODUCTION

Date	Clean Oil bbl/day	Gravity	Percent Water	Gas MMcf/day	F.T.P.	F.C.P.	S.I.T.P.	S.I.C.P.
N/A								

RBS 1/21/87

Form 4 (9/84)