

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 Cavenham Forest Industries #41-4
(Company or operator) (Lease) (Well No.)

Sec. 4, T. 5N, R. 4W W.B. & M. Surveyed Coordinates: _____

SHL: 1095.50' S & 865.04' W of NE Corner BHL (RD #1): 164' N & 268' E of SHL

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

Elevation of ground above sea level is 886 feet. All depth measurements are taken from _____
kelly bushing, which is 11' above ground.

Date: Jan 20th, 1987 Signature: *Swanell Park*
 Position: Dist. Drlg. Superintendent

Commenced drilling: 9-10-86 Completed drilling: 9-17-86 P&A: 9-18-86

Total depth: 2584' Redrill depth: 1935'

Logs run: OH: DIL/BHC/SP, FDC/CNL/GR, Dipmeter, Check Shots RD: DIL/BHC/SP

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	30'
		9-5/8"	36, 40 & 53.5	K55 STC/LTC	441'	250 sx
				L80 BTC		

Plugs	OH:	2584' - 1672' (Mud)	GEOLOGICAL MARKER		DEPTH
			Clark & Wilson Sand	1684' TVD (OH & RD)	
		1672' - 1522' (Cement)	Plugs RD #1:	1935' - 498' (Mud)	
		647' - 608' (Cement)		498' - 385' (Cement)	
Junk	None			10' - Surface (Cement)	

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								