

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

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

Nahama & Weagant Energy Co. Cavenham Energy Resources 11-16-64
 (Company or Operator) (Lease) (Well No.)
 Sec. 16 T 6N R 4W Surveyed Coordinates (if directional, BHL & SHL): 1092'S & 1365'E f/the
 NW corner of Sec. 16, T6N, R4W, W.B. & M.
 Wildcat: X (or) Field Name: _____ County: Columbia
 Signature: J. A. Thomas
 Date: _____ Position: Senior Operations Superintendent

Use this form in reporting the daily operations at the well. (Operator may use his own forms, but heading of this form must also be completed and submitted.) Please submit a complete history of the well. Include such information as bit sizes, mud weights, casing sizes and depths set, amount of cement used, drilling depths, fishing, logging, perforating, and plugging procedures, and anything else pertinent to the operation. Do not include lithology.

Date	
10/4/90	Move in and rig up Taylor Drilling Rig #5. Spud 12 1/2" hole. Drill to 199' with 100 vis mud.
10/5/90	POH to inspect bit. Drill 12 1/2" hole to 470'. Wipe hole 3 stds. Drilling to 600'. Condition hole for casing.
10/6/90	Wipe hole to conductor. Survey (2°00') POH for casing. Rig up and run 13 jts. (593') of 8 5/8", 24#, K-55 casing to 590'. Cement with 278 sx class G cement mixed with 3% CaCl ₂ + .25#/sx Flocele. Cement to surface. Weld on casing head and test to 1500 psi. Nipple up BOPE.
10/7/90	Nipple up BOPE. Test blind rams to 900 psi. Test pipe rams Hydril, with state representative witnessing. Drill plug, float, cement and shoe. Drill 7 7/8" hole 855'. Slight loss of circulation.
10/8/90	Drilling to 928'. Wipe hole to shoe. Wash 30' to bottom. Drilling to 1112'. Survey at 1102' (0°45"). Drilling to 1235'. Wipe hole to surface. Drilling to 1355'. Survey (0°00). Drilling to 1417'. Circulate for loggers. Drilling to 1570'. Wipe hole 6 stds. Drilling to 1610 with loss of circulation.
10/9/90	Drilling to 2338'. Circulate hole. Wipe hole to shoe. Circulate and condition mud.
10/10/90	Survey at 2329' (2°00'). POH for logs. Rig up Schlumberger and log. (DIL, SFL, Sonic, Dipmeter, Neutron Density, Gamma Ray). RIH. Circulate and condition hole. POH. Lay down drill pipe and collars. Rig up and ran 53 jts (2324') 4 1/2", 10.5#, J-55, ERW casing. Rig up Halliburton.
10/11/90	Circulate casing. Cement with 273sx class G cement mixed with 2% KCl, 2% microbond, 1.1% gas ban. Set slips and nipple down BOP. Cut off casing. Install tubing head and test to 1200 psi. Install tree. Release Taylor Drilling Rig #5.
10/22/90	Unload and strap tubing. Rig up Cogco and run CBL. Rig up and run 67 jts (2117') 2 3/8", 4.7#, J-55 EUE tubing. Mix and displace hole with 3% KCl. Land tubing at 1428'. Install tree and secure well for night.
10/23/90	Rig up swab unit and swab fluid level down to 600'. Rig up and perforate 1488'-1516' and 1460'-1488' 4 shots/ft. Open well to atmosphere. Flow test well for 45 minutes, 1162 MCF/D at 325 psi flowing casing pressure and 290 psi flowing tubing pressure. Final shut-in tubing pressure 346 psi. Final shut-in casing pressure 349 psi. Collect 2 gas samples. Secure well. Well shut-in waiting for gathering line connection.

OGHist6.For/7

Rev. August 29, 1990

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 LITHOLOGIC DESCRIPTION OF OIL OR GAS WELL
 (In compliance with rules and regulations pursuant to ORS 520)

Nahama & Weagant Energy Co. Cavenham Energy Resources 11-16-64
 (Company or Operator) (Lease) (Well No.)
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Use this form for describing well cuttings, unless mud log is submitted.

Depth		Description
From	To	
		MUD LOGS HAVE BEEN SUBMITTED.

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Rev. September 11, 1990