

HISTORY OF OIL OR GAS WELL

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

TENNECO OIL COMPANY
(Company or operator)

COLUMBIA COUNTY
(Lease)

24-28
(Well No.)

Sec. 28, T. 6N, R. 5W W.B.8M. Surveyed Coordinates: 983' on N01°
26'22" E & 2395' on S88° 33'38" E fr SW Cor., Sec. 28-T6N/R5W, WB/M

Wildcat: _____ (or) Field Name: MIST County: COLUMBIA

Date: 11/19/86 Signature: *Infant for Hunka*
Position: Div. Prod. Manager

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	
1986	
11/7	MIRU Hunnicutt & Camp Rig #5. Commenced drlg operations @ 2000 hrs, 11/6/86. Spudded 12 1/4" hole @ 2200 hrs, 11/6/86. Drld to 292'. Mud wt. 8.7 ppg.
11/8	Drld to 460'; wiped hole & circ'd. POH. RU & ran 11 jts 8 5/8" 24#, K-55, ST&C 8rd csg w/shoe to 458', insert @ 415'. Circ'd & RU Howco. Cmt'd w/345 cf Class "G" cmt w/3% CaCl ₂ . Displ'd w/mud. Had 85 cf cmt rtns to surf. Bumped plug w/800 psi, insert held. CIP @ 1530, 11/7/86. WOC 2 hrs. Cut off & landed 8 5/8" csg. Inst CIW 11" 3M csg head. NU BOPE. Tested CSO to 1500 psi. MU 7 7/8" bit & TIH. Tested BOPE to 1200 psi; annular preventor to 900 psi. Test witnessed & approved by Oregon D.O.G. AMI.
11/9	Drld out cmt, insert & shoe @ 458'. Drld to 470'; circ'd. Pulled to shoe. RU Howco & ran leakoff test - good. Drld to 1336'; wiped hole to shoe. Drld to 1556', hole packed off. POH & clnd BHA. Staged in hole. Mud wt. 10.1 ppg.
11/10	Reamed 1420-1556'. Drld to 1928' TD. Wiped hole & circ'd for logs. POH. RU Dresser-Atlas, ran DIL/Sonic/GR; tool stopped @ 1085'. RD Dresser-Atlas & made conditioning trip. RU Dresser-Atlas; ran DIL/Sonic/GR from 1928' to 458'. RIH w/Dipmeter. Mud wt. 10.3 ppgs.
11/11	Finished running Dipmeter. TIH; circ'd for VSP survey. POH. Ran VSP survey. TIH; circ'd btms up & pulled to shoe. WOC. Mud wt. 10.2+ ppg.
11/12	RIH to 1928'; circ'd & TOH. TIH w/open-ended DP to 1914'. RU Howco; set cmt plug w/45 cf wtr ahead of 135 cf "G" cmt (theor. TOC @ 1500'). CIP @ 1415, 11/11/86. POH LDDP to 648'. Circ'd. Pumped 85 cf wtr ahead of 105 cf Class "G" cmt w/3% CaCl ₂ . CIP @ 1715, 11/11/86. WOC 4 hrs. Tagged TOC @ 435'. POH. WOC.
11/13	WOC. TIH w/o.e. DP. Tagged TOC @ 435'. RU Howco, cmt'd w/25 cf Class "G" cmt from 435' to 360'; witnessed & approved by D.O.G. POH LDDP. ND BOPE. Cut off csg hd. RU Howco & set cmt plug from 25' to surf. Weld on plate. Risd rig @ 2400 hrs, 11/12/86. P&A well.