

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)

OREGON NATURAL GAS DEVELOPMENT CORPORATION (Company or operator)	ONGDC (Lease)	CC#10 (Well No.)
Sec. <u>3</u> , T. <u>6 N</u> , R. <u>5 W</u> W.B.&M. Surveyed Coordinates: <u>FROM THE SW</u>		
CORNER OF SEC. 3; 1976' N AND 1065' EAST		
Wildcat: _____ (or) Field Name: <u>MIST-UNDERGROUND STORAGE</u> County: <u>COLUMBIA</u>		
Date: <u>January 15, 1989</u>	Signature: <u>Godd A. Thoma</u> Position: <u>SUPT. DRILLING &amp; PRODUCTION</u>	

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	
11-1-88	RIG UP TO KILL WELL. PUMP SALTWATER TO KILL WELL. NIPPLE DOWN PRODUCTION TREE. INSTALL KILL VALVE.
11-2	CIRCULATE WELL. NIPPLE UP BOPE. LAYDOWN HYDRIL. TEST PIPE RAMS AND CHOKE MANIFOLD TO 700 PSI WITH STATE REPRESENTATIVE WITNESSING. POH AND PICKUP 4'1/2" CASING SCRAPER. RIH.
11-3	CIRCULATE AT 2672'. POH. RIG UP ATLAS AND RUN VERTILOG AND NEUTRON LOG. RIH WITH 5 STDS. LAND DONUT.
11-4	PICK UP 4 DRILL COLLARS AND 3 7/8" BIT. DRILL CEMENT AND BRIDGE PLUG. CIRCULATE. POH AND PICKUP CASING SCRAPER. RIH. SHUT IN WELL FOR WEEKEND.
11-7	RUN TO BOTTOM AND CIRCULATE. POH. RIG UP ATLAS. RUN VERTILOG AND NEUTRON LOG. MAKE UP DRILLABLE BRIDGE PLUG. RIH ON WIRELINE AND SET @ 2680'. REPERFORATE WITH 3 1/8" CASING GUN, 4 SHOTS/FT 2668'-2678'. PIH WITH 5 STDS AND SHUT IN WELL.
11-8	CIRCULATE HOLE. RIH. RABBIT TUBING. POH AND LAYDOWN BHA. STRAP AND PICKUP PACKER ASSEMBLY (WIRELINE GUIDE, NO-GO NIPPLE, PUP JT. PACKER. PUP JT. MANDREL) RIH WITH 82 JTS. (2591.50') 2 3/8" TUBING. PRESSURE TEST AGAINST PLUG. TEST FOILED. SET PACKER, LAND TUBING. TEST ANNULUS TO 400 PSI FOR 10 MINUTES. PULL TEST PLUG. CLEAN MUD TANK. MIX CORROSION INHIBITOR.
11-9	DISPLACE HOLE WITH CORROSION INHIBITER. SET PACKER AT 2625'. TUBING TAIL AT 2644'. TEST ANNULUS TO 350 PSI. NIPPLE DOWN BOPE. NIPPLE UP TREE. SWAB WATER FROM WELL. BLOW WELL TO ATMOSPHERE. RELEASE RIG.