

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 <small>(Company or operator)</small>	ONGDC <small>(Lease)</small>	OM 12D-10 <small>(Well No.)</small>
Sec. <u>10</u> , T. <u>6N</u> , R. <u>5W</u> W.B.&M. Surveyed Coordinates: <u>234' N AND 975' E</u>		
<u>FROM THE WEST 1/4 CORNER OF SEC. 10, T6N, R5W, WB&M</u>		
Wildcat: _____ (or) Field Name: <u>MIST-UNDERGROUND STORAGE</u> County: <u>COLUMBIA</u>		
Date: <u>3/31/87</u>	Signature: <u>[Handwritten Signature]</u> Position: <u>FIELD OPERATIONS SUPERINTENDENT</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	Description
11-22-86	DRILLING 12 1/4" SURFACE HOLE TO 430'
11-23-86	RUN 10 JOINTS OR 416' 8 5/8" K-55, 32 LB. CASING AND SET AT 425'. CEMENT WITH 225 SACKS CLASS 'G' MIXED WITH 2% CACL. WOC.
11-24-86	CUT OFF CONDUCTOR, WELD ON WELLHEAD AND TEST. NIPPLE UP BOPE AND TEST WITH STATE REPRESENTATIVE WITNESSING. DRILL FLOAT.
11-25-86	DRILLING FLOAT, CEMENT AND SHOE. DRILLING 7 7/8" HOLE TO 1080.
11-26-86	DRILLING TO 1145'. WIPER TRIP. DRILLING TO 1207'. SURVEY 1°30' DRILLING TO 1328. SURVEY 1°45'. DRILLING TO 1515'. WIPER TRIP. DRILLING TO 1916.
11-27-86	SURVEY AT 1916' 1°30'. WIPER TRIP. DRILLING TO 2133. TRIP FOR BIT. DRILLING TO 2433'.
11-28-86	DRILLING TO 2790'.
11-29-86	DRILLING TO 2805 OR TD. SURVEY 1°45'. WIPER TRIP. LOGGING WITH DRESSER-ATLAS.
11-30-86	RUN WIRE LINE LOGS. RIH AND CIRCULATE. POOH LAY DOWN DRILL PIPE AND DRILL COLLARS. RUN 67 JOINTS OR 2794', 5 1/2" K-55, 15.5 LB CASING AND SET AT 2792'. CEMENT WITH 625 SACKS CLASS 'G' MIXED WITH 1% CACL, 3% KCL, 1% CFR3, .1% HALAD 4. GOOD CEMENT RETURNS. SET SLIPS. WOC.
12-1-86	WOC. CUT OFF CASING, NIPPLE UP TREE AND TEST. RUN CEMENT BOND LOG. RELEASE RIG. BRING IN DRESSER-ATLAS AT A LATER DATE TO PERFORATE.