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) ONGD (Lease) OM 12C-3 (Well No.)

Sec. 3, T. 6N, R. 5W W.B.&M. Surveyed Coordinates: 455.6' NORTH AND 113.58' EAST FROM THE WEST 1/4 CORNER OF SEC. 3, T6N, R5W, WB&M.

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

Date: May 4, 1987

Signature: Todd Thames

Position: FIELD 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	
12/21/86	DRILLING 12 1/4'' SURFACE HOLE TO 506', WIPER TRIP. RUN 12 JOINTS OR 506' OF 8 5/8'' 32#, K-55, ST&C CASING TO 501'. CEMENT CASING WITH 235 SACKS, CLASS 'G' CEMENT MIXED WITH 2% CACL. LOST CIRCULATION WHILE DISPLACING CEMENT. WOC.
12/22/86	WOC. RUN IN ANNULUS TO 90'. FILLED ANNULUS TO SURFACE WITH 100 SACKS, CLASS 'G' CEMENT MIXED WITH 2% CACL. WOC. CUT OFF CONDUCTOR AND CASING. WELD ON WELLHEAD AND TEST TO 1200 PSI.
12/23/86	NIPPLE UP BOPE. TEST BOPS WITH STATE REPRESENTATIVE WITNESSING. RELEASE RIG FOR HOLIDAY.
12/27/86	CONDITION MUD. DRILLING FLOAT, CEMENT AND SHOE. DRILLING 7 7/8'' HOLE TO 865'.
12/28/86	DRILLING TO 957. WIPER TRIP TO SHOE. DRILLING TO 1421' WIPER TRIP TO 800'. DRILLING TO 1685'.
12/29/86	DRILLING TO 1949'. CIRCULATE AND SURVEY 1'45'. TRIP FOR NEW BIT #2. DRILLING TO 2258'. 8 STAND WIPER TRIP. DRILLING TO 2330'.
12/30/86	DRILLING TO 2441'. WIPER TRIP TO SHOE. DRILLING TO 2628'. PACKING OFF. DRILLING TO 2690'. WIPER TRIP TO SHOE. RIG UP DRESSER-ATLAS AND RUN WIRE LINE LOG.
12/31/86	RUN LOG TO 2127'. HIT BRIDGE. LOG OUT. TRIP HOLE. PICK UP CORING TOOLS AND RIH. WASH TO BOTTOM. SURVEY AT 2650'-0°30'. CORE 2690-2720. POOH AND LAY DOWN CORE #1. 30' RECOVERY. RUN IN HOLE WITH CORING ASSEMBLY. CORE 2720-2750'. POOH WITH CORE #2. RECOVER 30'.
1/1/87	RIH WITH CORING SET UP. CORE 2750-2780'. POOH AND LAY DOWN CORE #3. RECOVER 30'. RIH WITH CORING SET UP. CORE 2780-2810. POOH WITH CORE #4. RECOVER 28'. LAY DOWN CORE BARRELL. RIH WITH BIT, CIRCULATE AND WASH FILL OFF JUNK (TONG DIE). WAIT ON FISHING TOOLS. WIPER TRIP TO SHOE.
1/2/87	WASH TO BOTTOM. CHAIN OUT OF HOLE. RIH WITH MAGNET AND JUNK SUB. CHAIN OUT OF HOLE LAY DOWN MAGNET. PICK UP BIT AND JUNK SUB. ROTATE ON JUNK AND CIRCULATE. POOH. NO RECOVERY. RIH WITH MAGNET. POOH WITH MAGNET. MINOR RECOVERY. RIH WITH BIT AND JUNK SUB.

Form 6
(9/84)

Date	
1/3/87	WASH FOR JUNK FROM 2750-2815'. DRILLING FROM 2815-2844'. CIRCULATE AND POOH. PICK UP CORE BARRELL AND RIH. CORE 2844-2874'. POOH WITH CORE #5. RECOVER 27'. RIH WITH CORING ASSEMBLY. CORE 2874-2904'. POOH WITH CORE #6. RECOVER 29'. RIH WITH CORING ASSEMBLY.
1/4/87	CORING 2904-2934'. POOH WITH CORE #7. RECOVER 31'. RIH WITH CORING SET UP. CORING 2934-2964. POOH WITH CORE #8. RECOVER 29'. RIH WITH CORING ASSEMBLY. WASH TO BOTTOM. CORING 2964-2994'. POOH WITH CORE #9. RECOVER 29 1/2' RIH WITH CORING SET UP. CORE 2994-3002'.
1/5/87	CORING TO 3015'. POOH WITH CORE #10. RECOVER 21'. RIH WITH RERUN BIT #2. DRILLING 7 7/8'' HOLE TO 3156' OR TOTAL DEPTH. 10 STAND WIPER TRIP. CIRCULATE AND SURVEY 1°00'. RIG UP DRESSER-ATLAS AND LOG.
1/6/87	LOGGING WITH DRESSER-ATLAS. RIH AND CIRCULATE. WIPER TRIP. POOH AND RIG UP T O RUN CASING. RUN 75 JOINTS OF 5 1/2'', 15.5#, K-55 CASING TO 3120' AND CEMENT WITH: LEAD SLURRY OF 185 SACKS 1:1 PERLITE MIXED WITH 2% GEL, 2% CACL, .75% HALAD 4, TAIL SLURRY OF 317 SACKS CLASS 'G' MIXED WITH 1% CACL, 1% CFR3, 3% KCL, . 25% HALAD 4. APPROXIMATELY 30 BARRELLS CEMENT RETURNS. WOC.
1/7/87	CUT OFF 5 1/2'' CASING AND NIPPLE UP TREE. RIG UP DRESSER-ATLAS AND RUN CEMENT BOND LOG.
1/8/87	LOGGING WITH DRESSER-ATLAS. RELEASE RIG. WELL TO BE COMPLETED AS WATER OBSERVATION WELL AT A LATER DATE.

Form 6a
(9/84)