

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 CORP. (Company or operator)  
ONGDC (Lease)  
DM43B-10 (Well No.)

Sec. 10, T. 6N, R. 5W W.B.&M. Surveyed Coordinates: FROM THE S. E. CORNER OF SECTION 10; NORTH 2035' AND WEST 802'

Wildcat: \_\_\_\_\_ (or) Field Name: MIST - UNDERGROUND STORAGE County: COLUMBIA

Date: December 12, 1988 Signature: Godd Thomas  
Position: SUPT. DRILLING & PRODUCTION

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

9-8-88 MIX MUD. SPUD WELL WITH 12 1/4" BIT. DRILLING TO 49'. LOSS OF CIRCULATION. MIX LCM. CIRCULATE. WAIT 1/2 HOUR. DRILLING TO 266'. LOSS OF CIRCULATION. PUMP SWEEP WITH NO RETURNS. POH. BUILD VOLUME. RIH. REAM FROM 75'-143'.

9-9-88 DRILLING TO 516'. CIRCULATE AND SURVEY 0°45'. RUN 12 JOINTS (511') OF 8 5/8" 32#, K-55 CASING TO 508'. CEMENT WITH 370 SACKS CLASS G CEMENT MIXED WITH 2% CaCl<sub>2</sub> AND 1/4 #/SACK CELLOPHANE. WOC. CUT OFF CONDUCTOR.

9-10-88 WELD ON WELLHEAD. TEST TO 1500 PSI FOR 15 MINUTES. NIPPLE UP BOPE. TEST BLIND RAMS TO 1200 PSI. PIPE RAMS TO 1000 PSI AND HYDRIL TO 600 PSI. DRILL PLUG. FLOAT CEMENT AND SHOE. DRILLING 7 7/8" HOLE TO 570'.

9-11-88 DRILLING 1001'. SURVEY (0°15') DRILLING 1042'. WIPER TRIP TO SHOE. DRILLING 1498'. SURVEY (0°15') 7 STAND WIPER TRIP, DRILLING TO 1545'.

9-12-88 DRILLING 1747'. WIPE HOLE. TO SURFACE. CLEAR BHA. REAM TIGHT SPOTS FROM 1150'-1747'. DRILLING TO 1993'. SURVEY (1°), WIPER TRIP. REAM TIGHT HOLE TO BOTTOM.

9-13-88 DRILLING TO 2053'. CIRCULATE AND CONDITION MUD. POH. RIG SHUT DOWN DUE TO HIGH FIRE DANGER.

9-14-88 RIG ON STANDBY.

9-15-88 RIG ON STANDBY.

9-16-88 START UP RIG. STAGE IN HOLE. REAM FROM 1800'-2053'. WIPE HOLE TO 1000'. REAM FROM 1770'-2053'. DRILLING TO 2235'. CIRCULATE FOR LOGGER. DRILLING TO 2302'. WIPE HOLE TO 1700'. DRILLING TO 2354'.

9-17-88 DRILLING TO 2616' OR TD. SURVEY (0°30'). WIPER TRIP TO SHOE. CIRCULATE AND WAIT ON ATLAS.

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Date

9-18-88 CIRCULATE. WIPE HOLE TO SHOE. CIRCULATE. POH FOR LOGS. RIG UP ATLAS AND RUN DIL, BCH/CAL, GR-CN-DEN AND DIPMETER LOGS. STRAP IN HOLE. POH AND LAYDOWN DRILLPIPE.

9-19-88 LAYDOWN DRILL COLLARS, STABILIZERS. RUN 63 JOINTS (2620') OF 5'6", 15.5#, K-55 CASING TO 2615'. CEMENT WITH 600 SACKS PREMIUM CEMENT MIXED WITH 2% CaCl<sub>2</sub>. DISPLACE WITH 3% KCL. NO CEMENT TO SURFACE. SET CASING SLIPS. CUT OFF CASING. NIPPLE DOWN BOP. INSTALL AND TEST TREE. WOC.

9-20-88 WOC. LOAD TRUCKS. RIG UP ATLAS. ATTEMPT TO RUN CBL. TOOL MALFUNCTION. DUMP AND CLEAN MUD PITS. RELEASE RIG. RUN CBL AND PERFORATE AT A LATER DATE.

11-4-88 MOVE IN ATLAS/MCCULLOUGH WIRELINE TRUCK. RUN BAL - NEUTRON AND NEUTRON CBL LOG. FOUND BOTTOM @ 2495'. PERFORATE THE FOLLOWING INTERVALS WITH 3 1/8".  
ALPHA JET 2 HOLES / FT.  
2470'-2490'  
2442'-2467'  
2436'-2440'  
2398'-2433'  
2352'-2390'  
2320'-2344'

SHUT IN WELL.

Form 6a  
(9/84)