

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) OM41A-10 (Well No.)
 Sec. 10, T. 6N, R. 5W W.B.&M. Surveyed Coordinates: 1069.38' S +
 355' W FROM NE CORNER OF SEC. 10 - T6N - R5W
 Wildcat: _____ (or) Field Name: MIST UNDERGROUND STORAGE County: COLUMBIA
 Signature: [Signature]
 Date: 2/19/87 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	
12-4-86	DRILLING 12 1/4" SURFACE HOLE TO 413'. SURVEY AT 200' - 0°
12-5-86	DRILLING 12 1/4" HOLE TO 435'. WIPER TRIP. RUN 10 JOINTS 8 5/8", 32 LB., K-55 CASING TO 422'. CEMENT W/ 344 FT. 1:1 PERLITE MIXED WITH 2% GEL, 2% CA CL, WOC.
12-6-86	CUT OFF CONDUCTOR, WELD ON WELLHEAD AND TEST. NIPPLE UP BOP. CEMENT STILL SOFT. WOC.
12-7-86	TEST BOPE WITH STATE REPRESENTATIVE WITNESSING. DRILLING FLOAT, CEMENT, SHOE. DRILLING 7 7/8" HOLE TO 985'.
12-8-86	DRILLING TO 1265'. WIPER TRIP. DRILLING TO 1750'. SURVEY 1°15'. WIPER TRIP. DRILLING TO 1791.
12-9-86	DRILLING TO 1695'. WIPER TRIP. DRILLING TO 2270. RUN IN HOLE WITH CORING TOOLS.
12-10-86	CORING 2270-2287. RECOVER 14 1/2'. DRILLING 7 7/8" HOLE 2287-2352. CORE 7 7/8" HOLE FROM 2352-2371.
12-11-86	CORING 2371-2381. RECOVER 6 1/2' CORE. RUN IN HOLE AND REAM 2370-2381. DRILLING 2381-2414. CORING 2414-2442. RECOVER 26'.
12-12-86	CORING 2442-2457. RECOVER 14'. CORE 2457-2482. RECOVER 22' CORE. CIRCULATE OUT FILL. CORE 2482-2509.
12-13-86	CORING 2509-2512. RECOVER 28 1/2'. WASH TO BOTTOM. CORING 2512-2541. RECOVER 29'. CORE 2541-2571. RECOVER 25'. CORE 2571-2601. RECOVER 29'.
12-14-86	CORING 2601-2631. RECOVER 28'. CORE 2631-2656. RECOVER 22'. CORE 2656-2686. RECOVER 29'. CORE 2686-2693.
12-15-86	CORE 2693-2716. RECOVER 29'. RUN IN HOLE WITH DRILLING SET UP AND DRILL 2716-3067. WIPER TRIP. RIG UP DRESSER-ATLAS AND LOG. RUN DIL AND SONIC.
12-16-86	LOGGING. RUN NEUTRON DENSITY, GAMMA RAY AND DIPMETER. RUN 74 JOINTS 5 1/2", 15.5 LB., K-55 CASING TO 3063 AND CEMENT WITH 615 SACKS CLASS G CEMENT MIXED WITH 190 CACL, 1% CFR3, .1% HALAD 4, 390 KCL, GOOD MUD RETURNS, NO CEMENT TO SURFACE. SET SLIPS. WOC.

Form 6
(9/84)

HISTORY OF OIL OR GAS WELL

Date	
12-17-86	WOC, CUT OFF 5 1/2" CASING. NIPPLE UP TREE AND TEST AT 1200 PSI. WOC. RUN CEMENT BOND/ NEUTRON COLLAR LOG.
12-18-86	RELEASE RIG. BRING IN DRESSER-ATLAS AT A LATER DATE TO PERFORATE WITH MAST TRUCK.

Form 6a
(9/84)