

HISTORY OF OIL OR GAS WELL

(In compliance with rules and regulations pursuant to ORS 520)

OREGON NATURAL GAS DEVELOPMENT CORPORATION (Company or operator)      OREGON (Lease)      OM 44A-3 (Well No.)

Sec. 3, T. 6N, R. 5W W.B.&M. Surveyed Coordinates: 1239' N AND 267' W FROM THE SE CORNER SEC. 3, T6N, R5W W.B.&M

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

Date: 3/31/87 Signature: Judd Thomas 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	
12-1-86	DRILLING 12 1/4" SURFACE HOLE TO 265'. LOSE CIRCULATION. BUILD VOLUME, DRILLING TO 434' LOSING VOLUME.
12-2-86	CONDITION HOLE. RUN 10 JOINTS 8 5/8", K-55, 30 LB. CASING TO 432. CEMENT WITH 350 SACKS CLASS 'G' WITH 2% CACL. NO CEMENT RETURNS. WOC. TAG ANNUAL CEMENT AT 147'. PUMP 80 SACKS CLASS 'G' CEMENT. WOC.
12-3-86	PUMP 100 SACKS CLASS 'G' CEMENT AT 144'. GOOD CEMENT RETURNS. WOC. CUT OFF CASING, WELD ON WELLHEAD AND TEST. NIPPLE UP BOPE AND PRESSUR TEST WITH DOGAMI REPRESENTATIVE WITNESSING.
12-4-86	DRILLING FLOAT, CEMENT AND SHOE. DRILLING 7 7/8" HOLE TO 625'. LOSE CIRCULATION. DRILLING TO 729' WITH STEADY FLUID LOSS.
12-5-86	DRILLING TO 792'. SET 20 FT. CEMENT PLUG AT 635'. WOC. TAG PLUG AT 735'. DRILL OUT. NO RETURNS.
12-6-86	SET 150' CEMENT PLUG AT 635'. TAG PLUG AT 690'. DRILL OUT CEMENT. NO RETURNS. SET 150' CEMENT PLUG AT 635'. WOC.
12-7-86	TAG PLUG AT 610'. WOC. DRILL OUT CEMENT. DRILLING 7 7/8" HOLE TO 799. POOR RETURNS. SET CEMENT PLUG AT 615', WOC. TAG AT 600'. BREAK CIRCULATION AT 560'. NO RETURNS. WOC.
12-8-86	WASH THROUGH PLUG. DRILLING 7 7/8" HOLE TO 936'. SURVEY 0°30'. DRILLING TO 1560' WITH CONTINUED LOSS OF CIRCULATION.
12-9-86	DRILLING TO 1982. BUILD VOLUME. PUMP LCM PILL. PULL UP TO SHOE AND WAIT.
12-10-86	DRILLING TO 2472. RUN LCM SWEEP. TRIP FOR NB#2. DRILLING TO 2755'.
12-11-86	DRILLING TO 2805' CONDUCT BOP DRILL. DRILLING TO 2877. WIPER TRIP. DRILLING TO 3655. CIRCULATE, SURVEY, WIPER TRIP FOR LOGS.
12-12-86	SURVEY AT 3655' 3°15'. CIRCULATE AND CONDITION HOLE. WIPER TRIP. RUN DRESSER-ATLAS WIRE LINE LOGS.

Form 6 (9/84)

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Date	
12-13-86	RUN DUAL INDUCTION, ACOUSTIC, NEUTRON DENSITY, DIPMETER LOGS. REAM TO BOTTOM. WIPER TRIP TO 2500'. RUN 87 JOINTS, 5 1/2", 15.5 LB., K-55 CASING TO 3624 AND CEMENT WITH 688 SACKS CLASS 'G' MIXED WITH 1% CACL, 1% CFR3, .1% HALAD 4, 3% KCL. NO CEMENT TO SURFACE.
12-14-86	WOC, CUT OFF CASING, NIPPLE UP TREE AND TEST AT 1200 PSI. WOC. RUN CEMENT BOND/ NEUTRON COLLAR LOG.
12-15-86	RELEASE RIG. BRING IN DRESSER-ATLAS AT A LATER DATE TO PERFORATE.

Form 6a (9/84)