

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 ONGDC DM14A-3
(Company or operator) (Lease) (Well No.)

Sec. 3, T. 6N, R. 5W W.B.&M. Surveyed Coordinates: 111' E. AND 894' N
FROM THE SOUTHWEST CORNER OF SEC. 3, T6N, R5W, W.B. & M

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

Date: 4/7/87 Signature: [Signature]
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	
1/10/87	DRILLING 12 1/4" HOLE TO 402'.
1/11/87	LOSS OF CIRCULATION. MIX MUD. DRILLING TO 548. RUN 13 JOINTS OR 533' OF 8 5/8" 32 LB., K-55 CASING TO 543'. CEMENT WITH 150 FT. OF 1:1 PERLITE MIXED WITH 2% GEL AND 3% CACL OF LEAD SLURRY AND 250 SACKS CLASS 'G' MIXED WITH 2% CACL OF TAIL SLURRY. PARTIAL MUD RETURNS. NO CEMENT TO SURFACE.
1/12/87	WOC. TAG ANNULAR CEMENT AT 115'. PUMP 60 SACKS DOWN ANNULUS. WOC. PUMP 40 SACKS. WOC. PUMP 50 SACKS. WOC. PUMP 100 SACKS. WOC. PUMP 200 SACKS. WOC.
1/13/87	PUMP 15 SACKS. WOC. PUMP 60 SACKS. CEMENT TO SURFACE. CUT OFF CONDUCTOR. WELD ON WELL-HEAD. TEST TO 1200 PSI. TEST BOPE WITH STATE REPRESENTATIVE WITNESSING.
1/14/87	DRILLING PLUG, FLOAT, CEMENT AND SHOE. DRILLING 7 7/8" HOLE TO 879'.
1/15/87	DRILLING TO 932'. SURVEY 0°45'. WIPER TRIP TO SHOE. DRILLING TO 1250'. WIPER TRIP TO SHOE. DRILLING TO 1579'. SURVEY 0°30'. TRIP FOR NEW BIT.
1/16/87	RUN IN HOLE WITH NEW BIT #2. REAM 1470-1579'. DRILLING TO 1902'. PULL OUT OF HOLE TO UNPLUG JETS. DRILLING TO 2190'.
1/17/87	DRILLING TO 2198'. WIPER TRIP. DRILLING TO 2350'. WIPER TRIP. TIGHT HOLE OFF BOTTOM. DRILLING TO 2501'. WIPER TRIP. DRILLING TO 2687'. PACKED OFF. WIPER TRIP. DRILLING TO 2727'.
1/18/87	DRILLING TO 2840. WIPER TRIP. DRILLING TO 3200'. WIPER TRIP TO SHOE. SURVEY 1°00'. RUN WIRE LINE LOG.
1/19/87	LOGGING. RUN IN HOLE. REAM 20' TO BOTTOM. PULL OUT OF HOLE AND LAY DOWN DRILL PIPE AND DRILL COLLARS. RUN 77 JOINTS OR 3189' OF 5 1/2", 15.5 LB., K-55 CASING TO 3186'. CEMENT CASING WITH LEAD SLURRY OF 180 FT. 1:1 PERLITE MIXED WITH 2% GEL AND 2% CACL AND TAIL SLURRY 312 SACKS, CLASS 'G' MIXED WITH 1% CACL, 3% KCL, 1% CFR-3, .25% HALAD-4.

Date

1/20/87 CEMENT 5 1/2" CASING. SET SLIPS. WOC. CUT OFF CASING. NIPPLE UP TREE. WOC.

1/21/87 WOC. RUN CEMENT BOND LOG. RELEASE RIG.

BRING IN DRESSER-ATLAS MAST TRUCK AND PERFORATE AT A LATER DATE.