

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) OM32B-11 (Lease) (Well No.)

Sec. 11, T. 6N, R. 5W W.B.&M. Surveyed Coordinates: 1946.2' W AND 1871.1'S FROM NE CORNER OF SEC. 11, T6N, R5W.

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

Date: 3/31/87 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	
1-23-87	DRILLING 12 1/4" SURFACE HOLE TO 161'. HOLE SLOUGHING, BUILD MUD WEIGHT AND VISCOSITY. DRILLING TO 280'
1-24-87	DRILLING 12 1/4" HOLE TO 478'. RUN 11 JOINTS (454') 8 5/8", K-55, 32 LB. CASING TO 464'. CEMENT WITH 400 SACKS CLASS 'G' CEMENT MIXED WITH 2% CACL. WOC. CUT OFF CASING, WELD ON WELLHEAD.
1-25-87	NIPPLE UP BOPE. PRESSURE TEST WITH STATE REPRESENTATIVE WITNESSING. DRILLING FLOAT, CEMENT AND SHOE. DRILLING 7 7/8" HOLE TO 744'.
1-26-87	DRILLING TO 1043'. SURVEY 1° 30', WIPER TRIP. DRILLING TO 1451'. SURVEY 0° 30'. WIPER TRIP. DRILLING TO 1545'.
1-27-87	DRILLING TO 1941'. SURVEY 1° 00'. TRIP FOR NB#2. DRILLING TO 2285'.
1-28-87	DRILLING TO 2348'. WIPER TRIP. DRILLING TO 2559'. CIRCULATE DRILLING BREAK. DRILLING TO 3012'.
1-29-87	DRILLING TO 3205'. WIPER TRIP. RUN WIRELINE LOGS. TIGHT HOLE. RIH AND REAM TO BOTTOM. CIRCULATE.
1-30-87	WIPER TRIP TO 2200'. RUN WIRELINE LOGS. RUN IN HOLE AND CIRCULATE. SURVEY AT 2200' 3° 00'. RUN 76 JOINTS (3169') 5 1/2", K-55, 15.5 LB. CASING TO 3166'.
1-31-87	CEMENT CASING WITH LEAD SLURRY OF 120 SACKS 1:1 PERLITE MIXED WITH .75% HALAD 4, 1% CACL, 2% GEL AND TAIL SLURRY OF 416 SACKS, CLASS 'G' MIXED WITH 1% CACL, 3% KCL, 1% CFR-3, .25% HALAD 4. SET SLIPS. WOC. CUT OFF 5 1/2" CASING. NIPPLE UP TREE AND TEST.
2-1-87	WOC. RUN CEMENT BOND LOG. RELEASE RIG. BRING IN DRESSER-ATLAS MAST TRUC AND PERFORATE AT A LATER DATE.