

WELL DATA

Operator: OREGON NATURAL GAS DEVELOPMENT CORPORATION

Well Name: OM 14A-3

Location: 111.24' E and 894.45' N from the SW corner Sec. 3, T6N, R5W, WB&M Columbia County, Oregon

Elevation: 1032.1' G. L.  
1043.6' KB

Spud: January 10, 1987

Complete Drilling: January 20, 1987

Status: Completed as a water observation well.

Total Depth: 3200'

Hole Specifications: 12 $\frac{1}{4}$ " surface to 543'; 7 7/8" 543' to 3200'

Casing: 8 5/8", k-55, 32#, ST&C surface to 543'. Cemented with 150 ft.<sup>3</sup> 1:1 perlite mixed with 2% gel, 3% CaCl and 250 sacks Class "G" mixed with 2% CaCl. 525 sacks extra for top jobs.  
5 $\frac{1}{2}$ ", K-55, 15.5#, LT&C, surface to 3186. Cemented with 180 ft.<sup>3</sup> 1 % CaCl, 3% KCl, 1% CFR-3, .25% Halad-4

Contractor: Taylor Drilling Company, Chehalis, WA Rig #5

Company Geologist: H. Jack Meyer

Petroleum Engineer: Charles E. Stinson

Well Site Super.: Todd A. Thomas

Tool Pusher: Steve Hokanson

Mud Type: Lignosulfonate

Mud Company: Beaver Drilling Fluids, Inc. Vancouver, WA

Maximum Bottom Hole Temperature: 104°

Mud Logging Company: Western Geo-Engineers  
Woodland, CA

Wireline Company: Dresser-Atlas Sacramento, CA

Perforations or Liner Interval: 2766'-2810', 2812'-2890', 2894'-2898', 2903'-2956'  
2972'-3022', 3056'-3064', 3088'-3094'  
2 shots/ft., 3 1/8" jumbo jet perforating gun

Other Service Companies: Cement - Halliburton