

WELL DATA

Operator: OREGON NATURAL GAS DEVELOPMENT CORPORATION

Well Name: IW 32D-10 (Formerly CC32-10)

Location: 2181.42' S and 1744.83' W from the NE corner of
Sec. 10, T6N, R5W, WB&M, Columbia County, Oregon.

Elevation: 803.3' G. L.
816.8' K. B.

Spud: Commenced Operations January 20, 1987

Complete Drilling: Complete Operations February 1, 1987

Status: Completed as an injection/withdrawal well.

Total Depth: 2171'

Hole Specifications:

Casing: 13 3/8" surface to 419', 8 5/8" 24 lb., surface to
2171', 5 1/2", 15.5 lb. wire wrapped and solid liner
2025-2168', 5 1/2", K-55, 20 lb. tubing surface to
2071' with packer assembly set at 2002'.

Contractor: Taylor Drilling Company, Chehalis, WA Rig #4

Company Geologist: H. Jack Meyer

Petroleum Engineer: Charles E. Stinson

Well Site Super.: Todd A. Thomas

Tool Pusher: Jiggs Colclasure

Mud Type: KCl HEC-10 polymer

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

Maximum Bottom
Hole Temperature: ---

Mud Logging
Company: Western Geo-Engineers
Woodland, CA

Wireline Company: Dresser-Atlas Sacramento, CA

Perforations or
Liner Interval: 5 1/2" wire-wrapped liner 2168-2124'

Other Service
Companies:

Sand Control	Halliburton	Bakersfield, CA
Packer Assembly	Baker	Rio Vista, CA
Wellhead	W-K-M	Woodland, CA
Casing Inspection	Hydrotest	Long Beach CA
Casing Mill Service and Tools	Tri-State & Di-Drill	Bakersfield, CA
Cementing	Halliburton	Rio Vista, CA