

WELL SUMMARY REPORT

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

Atlantic Richfield Company

Columbia County

#23-19

(Company or operator)

(Lease)

(Well No.)

Sec. 19, T. 6N, R. 5W W.B. & M. Surveyed Coordinates: \_\_\_\_\_

2097.60' East & 356.66' South of West 1/4 Corner

Wildcat: -- (or) Field Name: Mist County: Columbia County

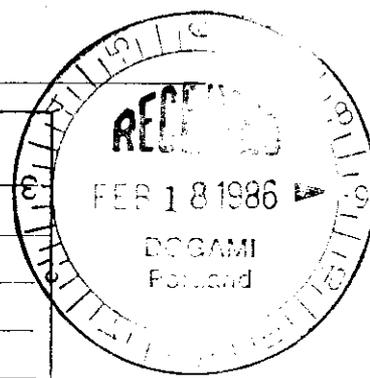
Elevation of ground above sea level is 754 feet. All depth measurements are taken from kelly bushing, which is 11' above ground.

Date: Feb 10<sup>th</sup>, 1986 Signature: Kwame U. Park  
 Position: District Drilling Superintendent

Commenced drilling: 7-1-85 Completed drilling: 7-10-85 P&A: 7-12-85

Total depth: 3442' Redrill depth: --

Logs run: DIL/SFL/Sonic, FDC/CNL/GR



CASING RECORD

| Size of hole | Size of casing | Wt. in lbs. per ft. | Grade Type | Depth | Amount of cement |
|--------------|----------------|---------------------|------------|-------|------------------|
|              | 16"            | conductor           |            | 20'   |                  |
| 12-1/4"      | 9-5/8"         | 36#                 | K-55 STC   | 420'  | 250 sx           |
|              |                |                     |            |       |                  |
|              |                |                     |            |       |                  |

GEOLOGICAL MARKER

DEPTH

Plugs 0' - 50' Clark & Wilson Sand (top) 2730'

335' - 520'

2600' - 2850'

Junk None

PERFORATIONS OF LINER

| Size of casing | From | To | Shots/ft. | Method of Perforating |        |               |
|----------------|------|----|-----------|-----------------------|--------|---------------|
|                |      |    |           | Jet                   | Bullet | Slotted Liner |
| N/A            |      |    |           |                       |        |               |
|                |      |    |           |                       |        |               |
|                |      |    |           |                       |        |               |

INITIAL PRODUCTION

| Date | Clean Oil bbl/day | Gravity | Percent Water | Gas MMcf/day | F.T.P. | F.C.P. | S.I.T.P. | S.I.C.P. |
|------|-------------------|---------|---------------|--------------|--------|--------|----------|----------|
| N/A  |                   |         |               |              |        |        |          |          |