## STATE OF OREGON E REMENT OF GEOLOGY AND MINERAL INDUSTRIES 910 State Office Building Portland, GR 97201

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## BENT, OF GEOLOGY & MINERAL INDUS

## WELL SUMMARY REPORT

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

| Sec.   16    T.   5N   |                             |                   | rgy corpo          |               |           | G              | rown Zell    | =                |              | 31-      | 1.6                |  |
|--|-----------------------------|-------------------|--------------------|---------------|-----------|----------------|--------------|------------------|--------------|----------|--------------------|--|
| 2479,46' W of the NE corner, Section 16   County: Columbia   |                             |                   |                    |               |           |                |              |                  |              |          |                    |  |
| Size of bole   Size of bole   Size of bole   Size of bole   Size of casing   Part   Size of casing   Size  | Sec16                       | , T.              | 5N                 | , R           | 4W        | _ W.B.& M.     | Surveyed Coo | rdinates:        | 948.63       | ' S      | and                |  |
| Date: _Angust 2, 1985  | 2479.46                     | y W of t          | he NE cor          | ner, Şe       | ection 16 | ·              |              |                  |              |          |                    |  |
| Date: _August 2, 1985  | Wildcat: _ Y                | les               | (or) Field         | Name:         |           |                |              | County:          | Columb       | ia       |                    |  |
| Date: _August 2, 1985  | Elevation of                | ground abo        | ve sea level       | is <u>849</u> | 6.6 feet  | . All depth    | measurement  | s are take       | en from _    | _        |                    |  |
| Date   August 2, 1985   Position:   Field Operations Supervisor  | relly bu                    | isning "          |                    |               |           |                |              |                  |              |          |                    |  |
| Date: August 2, 1985   Position: Field Operations Supervisor   |                             |                   |                    |               |           | 6.4            | 1.1          | 196              |              |          |                    |  |
| Commenced drilling: 7/18/85   Completed drilling: 7/25/85   PAA:   | Date: Augu                  | ıst 2, 19         | 85                 |               |           |                |              |                  |              | ervi     | sor                |  |
| Total Gepth:   2867   Redrill depth:   DIL,   Sonic,   Dipmeter   FDC-CNL  |                             |                   |                    |               |           |                |              |                  |              |          |                    |  |
| CASING RECORD   Size of hole   Size of hole   Casing   Per ft.   Type   Depth   Amount of cement   | Commenced dr                | illing: <u>7/</u> | 18/85              |               | Completed | drilling: _    | 7/25/85      |                  | P&A:         |          |                    |  |
| CASING RECORD   Size of hole   Size of hole   Casing   Per ft.   Type   Depth   Amount of cement   | Total depth:                | 2867              |                    | Redril        | 1 depth:  |                |              |                  |              |          |                    |  |
| Note   Casing   Per ft.   Type   Depth   Comment   Casing   Per ft.   Type   Depth   Casing   Depth   Depth   Casing   Depth   Casing   Depth   Casing   Depth   Depth   Depth   Depth   Depth   Depth   Depth   Depth   Depth   Dept | Logs run:                   | OIL, Soni         | c, Dipmet          | er FDC        | C-CNL     |                |              |                  |              |          |                    |  |
| CASING   RECORD   12½   8 5/8"   24  |                             | Size of           | Size of            | Wt            | in lbs    | Grado          | <u> </u>     |                  | Amount 6     |          |                    |  |
| CASING RECORD   7 7/8   5½   15.5   J-55   2403   430 sx   |                             |                   |                    |               |           |                | Depth        | 1                |              |          |                    |  |
| To   Shots/ft   Size of   Casing   From   To   Shots/ft   Shots/ |                             | 121/4             | 8 5/8"             | 24            |           | J-55           | 403          |                  | 240 sx       |          |                    |  |
| Size of   Casing   From   To   Shots/ft.   Method of Perforating   Jet   Bullet   Slotted Line   |                             | 7 7/8             | 5½                 | 15.           | 5         | J-55           | 2403         |                  | 430 sx       |          |                    |  |
| Size of casing   From   To   Shots/ft.   Jet   Bullet   Slotted Line   |                             | 5 <del>5</del>    | $-\frac{1}{2-3/8}$ | 4.            | 7         | J-55           | 2113         |                  |              |          |                    |  |
| Dunk   Size of   From   To   Shots/ft.     Method of Perforating   Jet   Bullet   Slotted Line   Size   S |                             |                   |                    |               |           |                |              |                  |              |          |                    |  |
| Dunk   Size of   From   To   Shots/ft.     Method of Perforating   Jet   Bullet   Slotted Line   Size   S |                             | <u> </u>          |                    |               |           |                |              |                  |              |          |                    |  |
| Size of casing   From   To   Shots/ft.   Jet   Bullet   Slotted Line   |                             |                   |                    |               |           |                | GEOL0        | GICAL MAR        | KER          |          | DEPTH              |  |
| Size of casing   From   To   Shots/ft.   Jet   Bullet   Slotted Line   | Plugs                       |                   |                    |               |           |                |              |                  |              |          |                    |  |
| Size of casing   From   To   Shots/ft.   Jet   Bullet   Slotted Line   |                             |                   |                    | ··            |           | <del></del>    |              |                  |              |          |                    |  |
| Size of casing   From   To   Shots/ft.   Jet   Bullet   Slotted Line   | <del></del>                 |                   |                    | <u> </u>      |           |                |              |                  |              |          |                    |  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | Junk                        |                   |                    |               |           |                |              | ·                |              |          |                    |  |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$   | ſ                           |                   | <del></del>        |               |           |                |              |                  |              |          |                    |  |
| Signations   Signature   Sig |                             |                   | Fr                 | From          |           |                | hots/ft.     |                  |              |          | Slotted Liner      |  |
| Signations   Signature   Sig | PERFORATIONS<br>OR<br>LINER | 5½                | 2187               | 2187          |           |                | 4            |                  | <del> </del> | -        |                    |  |
| NITIAL RODUCTION   Date   Clean Oil   Gravity   Percent   Water   MMcf/day   F.T.P.   F.C.P.   S.I.T.P.   S.I.C.P  |                             | <del></del>       |                    |               |           |                |              |                  | ļ            | <u> </u> |                    |  |
| NITIAL RODUCTION  Date Clean Oil bb1/day Gravity Percent Water MMcf/day F.T.P. F.C.P. S.I.T.P. S.I.C.P   |                             |                   |                    | 2158          |           |                |              |                  | <del></del>  |          |                    |  |
| NITIAL RODUCTION Date bb1/day Gravity Water MMcf/day F.T.P. F.C.P. S.I.T.P. S.I.C.P  |                             |                   |                    |               |           |                | <u> </u>     |                  |              | 1-       |                    |  |
| NITIAL RODUCTION Date bb1/day Gravity Water MMcf/day F.T.P. F.C.P. S.I.T.P. S.I.C.P  |                             |                   |                    |               |           |                |              |                  |              | -        |                    |  |
| NITIAL RODUCTION Date bbl/day Gravity Water MMcf/day F.T.P. F.C.P. S.I.T.P. S.I.C.P  | r                           |                   |                    |               | T         |                |              | ·                | <u> </u>     | <u> </u> |                    |  |
| RODUCTION 51.9   | INITIAL                     | Date              |                    | Gravity       |           | Gas<br>MMcf/da | y   F.T.P.   | F.C.F            | S.I.         | T.P.     | S.I.C.P.           |  |
|  | KODOCITON                   |                   |                    |               |           | 1              |              | -   <del>-</del> |              |          | ·· <del>····</del> |  |
| 9/84)  |                             | -                 |                    | <b>I</b>      | L         | 1 7            | 1            |                  |              |          |                    |  |