Crown-Zellerbach No. 1 Tillamook County, Oregon November, 1979 30, Brinkerhoff-Signal moved in Rig No. 61 and rigged up.

WELL HISTORY

RECEIVED-PTLD

MAR 10 1980

DEPT OF GEOLOGY

Oregon Natural Gas Development Corporation Section 13-2S-10W, W.B.& M.

December, 1979 1, Rigging up.

2, 169' Siltstone

at surface.

Oregon Natural Gas Development Corporation

Well Crown-Zellerbach No. 1

774'

1,260'

1,942'

2,264'

2,477'

2,744'

3,038'

Well Crown-Zellerbach No. 1

3,233'

3,457'

3,680'

3,904'

4,097'

4,290'

4,453'

4,588'

4,675'

4,798'

4,918'

5,012'

5,101'

5,170'

December, 1979

13,

14,

15,

16,

17,

18,

19,

20,

21,

22,

23,

24,

25,

26,

December, 1979

5,263'

5,400'

5,531 '

5,7031

5,794'

5,888'

5,951'

6,041'

6,127'

6,158'

27,

28,

29,

30,

31,

1,

2,

3,

4,

5,

б,

7,

January, 1980

7,

8,

January, 1980

Oregon Natural Gas Development Corporation

December, 1979

5,

6,

7,

8,

9,

10,

11,

12,

CASING DETAILS

1 Joint

16 Joints

Above KB

Shoe @

Screw-on Casing Head.

bit and drilled ahead.

Survey at

Survey at 1,054'

Survey at 1,314'

Survey at 1,567'

Survey at 2,193'

Survey at 2,287'

Survey at 2,319'

Survey at 2,401'

Survey at 2,700'

Survey at 2,988'

-2-

WELL HISTORY

Siltstone and Sand

Siltstone and Sand

Siltstone and Sand

Survey at 3,324'

Survey at 3,571'

Survey at 3,869'

Survey at 4,052'

Survey at 4,588'

Survey at 5,071'

Survey at 5,163'

- 3 -

WELL HISTORY

Siltstone & Volcanics

Siltstone

Siltstone

Volcanics

at 5,802'.

6,143'.

Oregon Natural Gas Development Corporation

at 8:50 P.M.

steel plate

Well Crown-Zellerbach No. 1

Survey at 5,794'

Survey at 5,889'

Ran in with bit and conditioned hole.

Laid down excess drill pipe.

Cement in place at 3:20 P.M.

Hole abandoned in this condition.

Oregon Natural Gas Development Corporation

Crown-Zellerbach No. 1

Waited on Cement.

Siltstone

Siltstone

Siltstone

Siltstone

Siltstone

Installed and tested BOP equipment. of Geology and Mineral Industries.

Guide Shoe

Spudded in at 6:00 P.M. with 12-1/4" bit and drilled ahead.

Survey at 140' 0° 30' 3, 498' Siltstone

Survey at 350' 0° 45'

Survey at 444' 1° 451

4, 6731 Siltstone

Survey at 502' 1° 45'

calculated displacement. Did not bump plug. Cement returns

1.06

38.33

- 0 -

615.14

19.35 673.88

7.35

Section 13-2S-10W, W.B.& M.

Witnessed by Department

Tillamook County, Oregon

666.53

Ran 18 joints (inc. landing joint) or 673.88' of 8-5/8" 24# K ST&C casing equipped with B&W guide shoe and an insert fill-up valve on top of shoe joint. Cemented around shoe at 667' with 350 sacks of Class II Cement treated with 2% CaCl₂. Used top rubber plug and displaced with 3% over

Insert Fill-up Valve

-1-

WELL HISTORY

Backed out landing joint and install 8" Series 900 Shafer

Drilled out plug, insert, cement below and shoe with 7-7/8"

2 °

2°

2°

l°

4°

3°

3°

3°

3°

3°

2°

2°

4°

4°

2°

2°

1°

NG

4°

Attempted to run Welex Induction-Electric Log.

Ran Welex Induction-Electric Log from 667' - 6,143'.

Welex took Sidewall Samples. Descriptions attached.

- 4 -

WELL HISTORY

Located top of Plug No. 1 at 491' at 7:50 P.M.

-5-

Ran Welex Compensated Acoustic Velocity Log from 667' -

Plug No. 1: Hung drill pipe at 720' and pumped in and equalized 85 sacks of Class II Cement treated with 3% CaCl₂.

Plug No. 2: Hung drill pipe at 62' and pumped in 20 sacks of Class II Cement treated with 3% CaCl2, which filled the surface casing with cement to the surface. Cement in place

Cut off surface casing 5' below ground level and welded on

0 1

0 1

0 1

0'

0.

451

0 1

451

795'

0 1

0'

0 1

301

0'

45'

301

30'

301

0'

Section 13-2S-10W, W.B.& M.

Section 13-2S-10W, W.B.& M.

Section 13-2S-10W, W.B.& M.

Tillamook County, Oregon

Tillamook County, Oregon

Tillamook County, Oregon

1 Landing Joint