

INTERVAL SHEET

WWCR 525

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VDMR Well No.: Well No. 1377

Date 10/4/65

Sample Interval: from 29 to 280

PROP: Bruce Forward #2

Total depth 300

COMP: C. R. Moore

Oil Gas Water Exploratory

COUNTY: Rockingham (Penn Laird)

Cuttings Core Other

VDMR Well No: W-1377

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 29	No sample	-
-	-	29 - 30	-	-
-	-	30 - 40	-	-
-	-	40 - 50	-	-
-	-	50 - 60	-	-
-	-	60 - 70	-	-
-	-	70 - 80	-	-
-	-	80 - 90	-	-
-	-	90 - 100	-	-
-	-	100 - 110	-	-
-	-	110 - 120	-	-
-	-	120 - 130	-	-
-	-	130 - 140	-	-
-	-	140 - 150	-	-
-	-	150 - 160	-	-
-	-	160 - 170	-	-
-	-	170 - 180	-	-
-	-	180 - 190	-	-
-	-	190 - 200	-	-
-	-	200 - 210	-	-
-	-	210 - 220	-	-
-	-	220 - 230	-	-
-	-	230 - 240	-	-
-	-	240 - 250	-	-
-	-	250 - 260	-	-
-	-	260 - 270	-	-
-	-	270 - 280	-	-
-	-	280 - 300	No sample	-
-	-	-	-	-

OWNER: F. Bruce Forward, Subdivision Well #2
DRILLER: C. R. Moore
COUNTY: Rockingham (Penn Laird)

VDMR #1377
WWCR #525
TOTAL DEPTH: 300'

GEOLOGIC LOG

- 0-29 No sample.
- 29-30 Dolomite — light-gray, slightly brownish; very-fine-grained; minor black shiny chert and thin white veins of dolomite; minor medium-gray, medium-grained dolomite apparently associated with fractures.
- 30-40 As above — less brown except on fracture surfaces, less chert.
- 40-50 Dolomite — medium-dark- to dark-gray, medium crystalline; minor thin white dolomite and calcite veins; some dolomite rich in dusty pyrite.
- 50-60 Dolomite — medium-light- and medium-dark aphanogranular to medium-crystalline; the darker material is coarser-grained; minor fine white veins of dolomite with trace of calcite; minor fractures with orange-brown clay coating.
- 60-70 Dolomite — medium-light-gray, medium-crystalline; trace orange brown stain.
- 70-80 Dolomite — medium-dark-gray; medium-crystalline with subordinate coarsely crystalline; minor thin white dolomite veins.
- 80-90 Fractured Dolomite — light-gray, buff and orange, finely crystallized; minor orange-stained siliceous vein fillings free of matrix; minor medium-dark-gray, medium- to very-coarsely crystalline dolomite; trace euhedral vein calcite and black chert.
- 90-100 Dolomite — medium-dark-brownish-gray, medium crystalline; minor orange-brown claystone and siltstone and buff colored dolomite as above; minor pyrite, black chert and trace sand.
- 100-110 Dolomite — medium-dark-gray, slightly brownish, finely crystalline, dusty pyrite, very minor orange weathered material.
- 110-120 Limestone — medium-dark-brownish-gray, very-fine-grained; minor very coarsely crystalline dolomite with white to buff dolomite crystals in a dark fine-grained siliceous matrix; minor orange weathered material.
- 120-130 As above — less orange; the dolomite contains minor rounded to subangular sand grains; minor vein dolomite.

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- 130-140 Dolomite — medium-gray, medium crystalline; also white to light-gray coarse dolomite crystals in a dark-gray matrix. Abundant coarsely crystalline veins of dolomite, minor light-gray to dark-gray chert.
- 140-150 Limestone and Dolomite — aphanogranular to finely crystalline; minor dark-gray chert; scattered sand grains in matrix; trace white dolomite and calcite veins.
- 150-160 Dolomite — medium-gray, medium- to coarsely-crystalline; trace pyrite and carbonaceous material.
- 160-170 Dolomite — medium-dark-gray, medium-fine-crystalline; very minor white dolomitic veins and patches.
- 170-180 Limestone — medium-dark-gray, very-fine-grained, siliceous, minor patches of tiny dolomite rhombohedrons; trace pyrite.
- 180-190 As above.
- 190-200 Limestone — light-gray to medium-gray aphanogranular, trace pyrite; very minor leached material and loose sand; minor white calcite veins.
- 200-210 Limestone — medium-gray to medium-dark-gray; very-fine-grained; minor white calcite veins; trace pyrite.
- 210-220 Dolomitic Limestone — medium-dark-gray; very-fine-grained.
- 220-230 Limestone — medium-dark-gray, fine-grained; minor medium-gray-chert.
- 230-240 Leached Limestone and Chert — orange to buff, porous water-worn argillaceous, silty weathered material in rounded fragments; siliceous vein filling as loose plates; medium dark-gray chert; minor limestone as above.
- 240-250 Limestone — medium-dark-blue-gray, fine-grained; one-fourth of sample is leached to cream to buff and orange, porous, siliceous claystone with trace of coarse-grained sandstone; minor loose vein fillings and dark-gray chert; trace euhedral calcite vein filling.
- 250-260 As above.
- 260-270 As above.
- 270-280 As above — more chert.
- 280-300 No sample.

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GEOLOGIC SUMMARY

The well penetrates the Chepultepec and the Conococheague formations but due to the gradational character of the boundary, no formational contact is indicated.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 8, 1965