

S A M P L E L O G
Wildcat



John Niedfelt #1 Cole-Eyrie - 9 North, 55 West.
NE, NE, NW. Section 2:
Logan County, Colorado.

Contractor: Nebraska Drillers, Inc.
Commenced: July 13, 1952
Completed: July 28, 1952
Total Depth: Driller- 5741'
Schlum.- 5741'

Elevation: **K.B.** 4441'
GA . 4431

Surface Casing 157 ft of 10 3/4".
Samples by Lloyd G. Gray
Samples run - - - - - 4450 to T.D.
4450 - 4570 Gray shale, carrying trace fine gray silt
4570 - 4710 Gray shale, speckled brown calc. material.
Sample Top: Niobrara, 4575'
4710 - 4790 Very Calc. to lime, with some gray shale streaks
4790 - 4850 Gray shale, soft . brown than above, calcareous, brown
specks
4850 - 4925 Dark Gray shale, some pyrite with a few stringers of
Bentonite present.
4925 - 4945 White Lime, soft to powdery.
Ft. Hayes, 4925 (sample to top)
4945 - 4970 Sandy lime (sl. gray - fine grained))
4970 - 4980 Shale with samples still carrying gray sand as above
4980 - 5080 Gray shale, some silt streaks with occasional bentonite strin-
gers
5080 - 5166 Silty gray shale
5166 - 5172 Brown sandy lime - very hard.
Sample top - Greenhorn, 5166'
5172 - 5345 Gray shale, Medium hard with pyrite, Bentonite present
intermittantly.
5345 - 5350 Streak brown lime - shally silty. Bentonite beds above
brown lime
5350 - 5420 Gray shale as above, less silt.
Core #1 - 5420 - 5433
Recovered 11 1/2 feet gray shale
Core #2 - 5433 - 5453
5433 - 44 - Shale
5444 - 44 1/2 - shaly sd. well cemented , white (Kaolin) Matrix)
5444 1/2 - 51 - shale with stringers of sand.

Core #2 - continued

5451 - 53 - Sand, fairly well sorted - med. gr. cemented with
White Matrix

"D" Sand - Core top - 5444'

Drilled 5453 - 5547

Sample top "J" Sand, 5541'

Sand from 5541 - 47, med. grained, hard well cemented. No show

Core #3 - 5547 - 62'

1½ ft. hard sand, with thin streaks shale

5 ft. shale & sd. hard and tight. No show.

2½ ft. shale, slightly sandy

6 inches - sand, marly with thin shale streaks .

2 ft. shale, gray - hard, slightly sandy.

1½ ft. shaly sand, hard and tight, well cemented with
white matrix

1½ ft. sd. (Softer than rest) no porosity, cemented with
white material

1 ft shaley sand - no show

Core #4 - 5562 - 70'

3½ ft. sand, fractured, hard, tight, quartzitic

3 ft. shale, with small stringers sand.

Core #5 - 5570 - 85

Recovered 9 ½ ft.

4 ½ FT. shale Few stringers sd.

5 FT. sand med. grained. Hard tight white matrix

1 FT. shale and sand. No show

T.D. Driller 5741'
Schlum. 5741

D + A.