

121-05635



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May 17, 1960

S. D. Johnson
No. 1 Federal Farm Mortgage Corp.
C SE SE Section 7-T3S-R56W
Washington County, Colorado

Elevation:	4777 G.L.; 4784 K.B.
Commenced:	May 10, 1960
Completed (D&A):	May 15, 1960
Contractor:	McDaniel Drilling Company
Surface Casing:	8-5/8" @ 99' w/125 sxs

Schlumberger Tops

Niobrara	4266
Fort Hays	4681
Codell	4717
Carlile	4728
Greenhorn	4818
"D" Sand	5126 (-343)
"J" Sand	5180 (-395)
Total Depth	5296



00834396

Driller's measurements must be moved down hole seven feet in the "D" Sand and about five feet in the "J" Sand to correlate with Schlumberger.

The "D" Sand was cored 5128-5149½, Schlumberger, and thin zones of very tight sand were recovered. The sand had no shows.

The "J" Sand was well developed and had no shows of oil in the samples.

Samples from this test are on file at the American Stratigraphic Company in Denver and drilling time is on file at S. D. Johnson's office in Denver.

The No. 1 Federal Farm Mortgage Corp. was abandoned at 5296' in the "J" Sand after encountering no shows.

SAMPLE DESCRIPTIONS

5050-5100 Sh dk gr w/wh bent & tr pyr
5100-5119 Sh as ab

Top "D" Sand 5119 Driller; 5126 Schlumberger

5119-5121 (Circ 60 min) Sh as ab & tr Ss fg gr v pyrc lo
por NS

Core No. 1 5121-5142½ Driller; 5128-5149½ Schl.

5143-5160 Cavings following trip
5160-5170 ditto

Top "J" Sand 5173 Driller; 5178 Schlumberger

5170-5178 (Circ 60 min) Sh dk gr & Sltst gr pyrc & tr Ss fg
gr-wh v qtz v hd & tl NS
5178-5185 Tr Ss fg wh fair sort cly filled v lo por sft tr
glau NS & Sh dk gr (samp 90-95% Sh)
5185-5190 Tr Ss fg gr qtz dirty NS & Sh
5190-5195 Same as ab
5195-5200 Same as ab
5200-5205 Ss lt gr-wh fg cly filled v glauc lo por NS
5205-5210 Ss as ab NS & Ss f-mg gr fri fair por tr glau NS
5210-5215 Sh dk gr w/tr Ss as ab NS
5215-5220 Ss fg lt gr-lt tn well sorted cln fri gd por NS & Sh
5220-5225 Ss & Sh as ab NS
5225-5230 Sh dk gr
5230-5235 Sh dk gr & Ss vfg wh dns lo por NS
5235-5240 Sh & Ss as ab
5240-5250 Cavings following trip
5250-5260 ditto
5260-5270 Ss fg gr-wh hd lo por well sorted cln NS
5270-5280 Sh as ab NS & Sh
5280-5286 Ss fg gr (dirty) cly filled w/dk minerals fair-lo
por NS
-5286 (Circ) Ss as ab NS

CORE DESCRIPTION

Core No. 1 5121-5142½ - Recovered 15½' (Driller)
5128-5149½ (Schlumberger)

1½' Shale, black, rotten;
1' Sandstone, fine grained, gray, dense, hard and tight, with shale laminations, no show;
1½' Shale, black, very carbonaceous (coal in part);
1½' Shale, black, rotten;
1½' Interlaminated sandstone and platy shale, very dense, hard and tight, no show - 90% shale;
4½' Shale, black, rotten;
3½' Reworked sandstone and shale, very hard and tight, clay filled w/many plant fragments, no show;
½' Shale, dark gray.

CORING TIME

Minutes/foot

5121-5131 23,13,2,25,26,14,15,18,17,17
5131-5142 16,16,15,14,13,15,11,5,11,12,22

BIT RECORD

1	7-7/8	Hughes	OSC-3	90-2502
2	7-7/8	Smith	DT	2502-4254
3	7-7/8	Smith	DT	4254-5073
4	7-7/8	Smith	DT	5073-5121
	7-3/4	D&S	Diamond	5121-5142
5	7-7/8	Hughes	OSC1-G	5142-5242
6	7-7/8	Hughes	OSC1-G	5242-5286

Respectfully submitted,

Rolland L. Wonderly
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