

January 10, 1973

GEOLOGICAL WELL REPORT

Brunson-Spines #3 Thomsen "B"  
NW NE NE Section 10-T21S-R14E  
Thomsen Pool, Coffey County, Kansas  
Contractor: Jackman & Jackman  
Spud: January 3, 1973  
8 5/8" Surface Casing @ 150'  
5 1/2" Production Casing @ 1955'  
Rotary Completion: January 7, 1973  
Total Depth: 1955 (Rotary)

Brunson-Spines  
800 Vickers-KSB&T Building  
Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geological tops, and an evaluation of the porosities encountered. No drill stem tests were taken.

I arrived at the location at a depth of 1670 and witnessed the drilling from that point to 1955 T.D. Samples were examined from 1300-1955 T.D. The hole was not logged electrically before being cased.

Enclosed herewith is a copy of the plotted drilling time log from 700' to 1955 T.D. which also includes lithology, porous zones, geologic tops and other pertinent data.

SAMPLE TOPS

ELEVATION	1129 KB
BASE OF KANSAS CITY	975 (+ 154)
SQUIRREL SAND	1322 (- 193)
1322-31	Dirty silty sandstone oil staining.

MISSISSIPPIAN LIMESTONE	1620	(- 491)
OSAGE	1673	(- 544)
CHOTEAU	1761	(- 632)
KINDERHOOK SHALE	1882	(- 753)
BASE OF CHATTANOOGA-VIOLA	1953	(- 824)

Dolomite, white to gray, very coarsely crystalline, good cavernous porosity, some free sand grains. Scattered oil stains.

Total Depth 1955

CONCLUSIONS & RECOMMENDATIONS

The subject well is one location north of your #1 Thomsen "B", producing from the Simpson Sand. This well checks only slightly lower than the #1 on upper markers but at the base of the Chattanooga we encountered Viola instead of Simpson 5 feet lower than the #1. Good porosity is in evidence with some good staining. The hole was cased with 2 feet of penetration in the Viola to test that horizon.

Very truly yours,

T. G. Wright

TGW/tlr

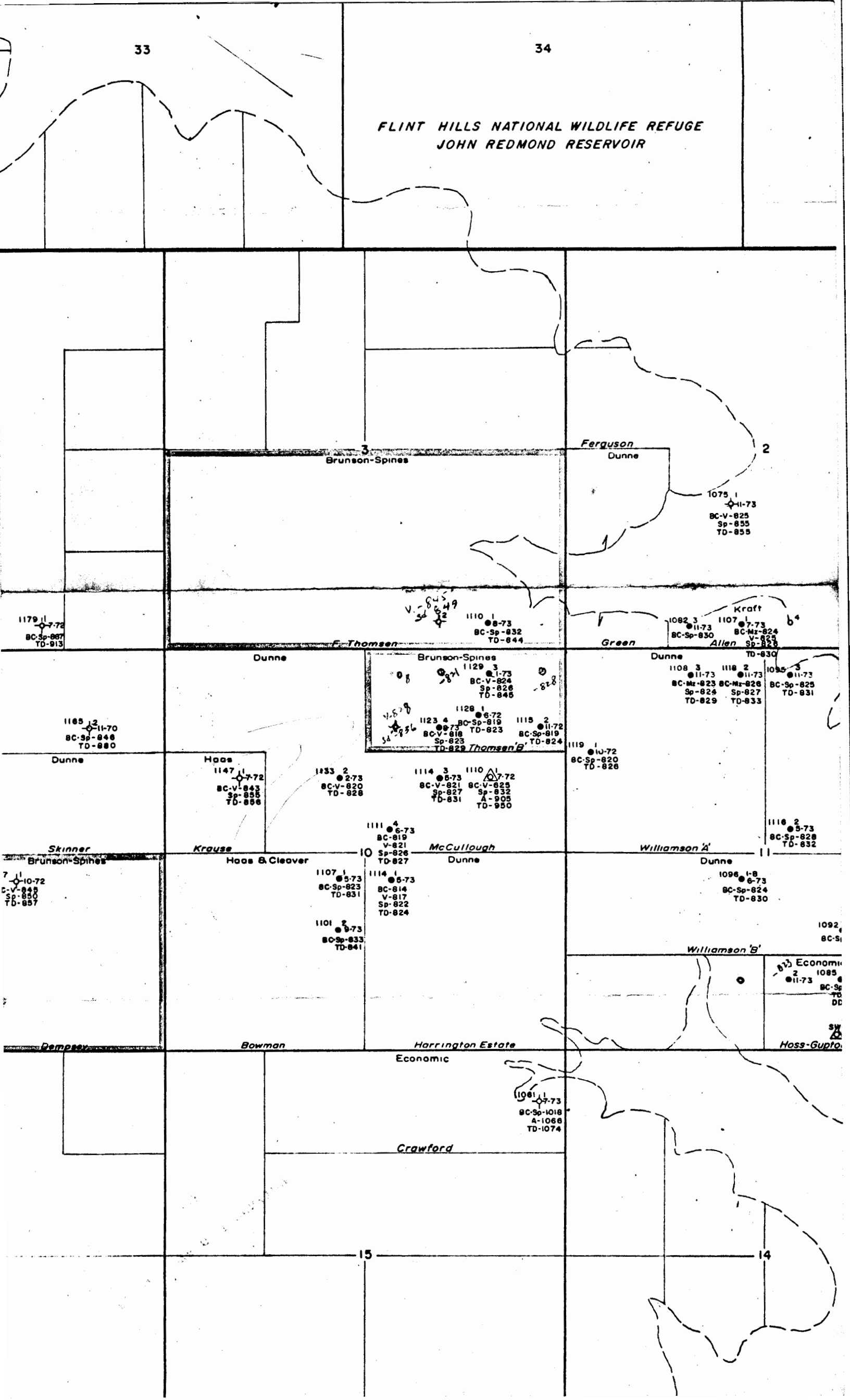
BIT RECORD

Security	S <sub>4</sub> TJ	(Retip)	150- 900
Hughes	OWVJ	(Retip)	900-1215
Hughes	OSC3J	(Retip)	1215-1512
Reed	S1R	(Retip)	1512-1631
Security	S88	(Rebuilt)	1631- T.D.

DRILLING PROGRESS

1/3/73	Spud	
1/4	300	
1/5	1035	
1/6	1560	
1/7	1890	
1/8	1955	T.D. WOC 5-1/2"

FLINT HILLS NATIONAL WILDLIFE REFUGE  
JOHN REDMOND RESERVOIR



3  
Brunson-Spines

Ferguson  
Dunne

2

1075 1  
11-73  
BC-V-825  
Sp-855  
TD-855

1179 11  
7-72  
BC-Sp-837  
TD-813

1110 1  
8-73  
BC-Sp-832  
TD-844

Kraft  
1082 3  
11-73  
BC-Sp-830  
1107 1  
11-73  
BC-Mr-824  
V-824  
Sp-824  
TD-830  
Allen

F. Thomsen

Green

Dunne

Brunson-Spines

Dunne

1129 3  
1-73  
BC-V-824  
Sp-826  
TD-846

1128 1  
6-72  
BC-Sp-819  
TD-823  
Sp-823  
TD-823  
Thomsen B

1115 2  
11-72  
BC-Sp-819  
TD-824

1095 3  
11-73  
BC-Mr-823  
Sp-826  
TD-829

1118 2  
11-73  
BC-Mr-826  
Sp-827  
TD-833

1095 3  
11-73  
BC-Sp-825  
TD-831

1165 12  
11-70  
BC-Sp-846  
TD-880

Dunne

Haas

1147 1  
7-72  
BC-V-843  
Sp-855  
TD-898

1133 2  
2-73  
BC-V-820  
TD-828

1114 3  
5-73  
BC-V-821  
Sp-827  
TD-831

1110 1  
7-72  
BC-V-825  
Sp-832  
A-905  
TD-950

1119 1  
10-72  
BC-Sp-820  
TD-828

1116 2  
5-73  
BC-Sp-828  
TD-832

Skinner

Krause

McCullough

Williamson A'

Brunson-Spines

Haas & Cleaver

Dunne

Dunne

7 11  
10-72  
C-V-848  
Sp-850  
TD-857

1107 1  
5-73  
BC-Sp-823  
TD-831

1114 1  
5-73  
BC-814  
V-817  
Sp-822  
TD-824

1096 1-8  
6-73  
BC-Sp-824  
TD-830

1101 2  
9-73  
BC-Sp-833  
TD-841

1092 4  
BC-Sp

Williamson B'

1093 Economic  
2  
11-73  
BC-Sp  
TD  
DC

Dempsey

Bowman

Harrington Estate

Hoss-Gupto

Economic

1061 1  
7-73  
BC-Sp-1018  
A-1066  
TD-1074

Crawford