



# CORES, INCORPORATED

LABORATORY  
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RESERVOIR CORE ANALYSIS  
GEOLOGICAL AND EVALUATION REPORTS

ACCOUNTING OFFICE  
Box 727  
AMARILLO, TEXAS  
Phone DR 3-8366

The Shamrock Oil & Gas Corporation  
Box 631  
Amarillo, Texas

Gentlemen:

The Fincher No. 1 well was cored with a diamond core head using a water-based mud. The depth of coring was from 6059 to 6089 feet. As requested by the company representative, 26 samples were examined out of these 30 feet as shown on the accompanying core-graph. The samples were analyzed by Cores, Incorporated in their laboratory at Pampa, Texas.

The formation is a sandy shaly limestone with four feet of permeability from 6064 to 6068 feet. The probable production is given on the accompanying coregraph. The high porosity from 6068 to 6073 feet is due to the large amount of shale present.

Cores, Incorporated is pleased to have had the opportunity of serving you and hope that the information contained herein will aid you in producing and evaluating your property.

Submitted September 26, 1955

  
Harry J. Wallace

THE SHARROCK OIL AND GAS CORPORATION

WELL: L. H. FINCHER #1  
COUNTY: SEWARD COUNTY, KANSAS  
CORE: #1  
DEPTH: 6059-6089  
RECOVERY: 25.8'  
TIME: 10:23 AM - 9:28 PM 9-15-55 TOTAL 11 HOURS AND 05 MINUTES.  
REMARKS: CARRIED 10,000 - 14,000# OF WEIGHT WHILE CORING. RPM'S OF ROTARY TABLE 60-75.

CC: DAN P. LONG  
T. S. CLOPTON  
A. C. BALDWIN  
FILE (2)

DESCRIPTION AS FOLLOWS:

- 6059-64 5' BUFF COARSE CRINOIDAL GLAUCONITIC TIGHT LIMESTONE WITH SOME QUARTZ PEBBLES SCATTERED THROUGHOUT AND SOME CALCAREOUS COARSE QUARTZ BAND IN BOTTOM PART.
- 6064-68 4' FINE ANGULAR GLAUCONITIC TIGHT SANDSTONE WITH BLACK AND GRAY SHALE LAMINATIONS AND SATURATED STAIN, FLUORESCENCE, CUT AND SLIGHT ODOR.
- 6068-71 3' SANDSTONE AS ABOVE WITH NO STAIN OR FLUORESCENCE OR ODOR.
- 6071-72 1' AS ABOVE WITH TRACE OF FLUORESCENCE IN BOTTOM.
- 6072-74 2' AS ABOVE WITH FAIR STAIN AND FLUORESCENCE.
- 6074-76 1'6" BUFF COARSE GLAUCONITIC CRINOIDAL LIMESTONE.  
6" BUFF - MEDIUM TO COARSE, GLAUCONITIC, SLIGHTLY FOSSILIFEROUS, SANDY LIMESTONE WITH FAIR STAIN, SPECKLED FLUORESCENCE AND GOOD CUT. TRACE OF VERTICAL FRACTURES.
- 6076-77 1' BUFF COARSE GLAUCONITIC CRINOIDAL LIMESTONE WITH NO STAIN.
- 6077-78 1' BUFF COARSE CRINOIDAL GLAUCONITIC LIMESTONE WITH FAIR STAIN ALONG VERTICAL FRACTURE.
- 6078-79 1' BUFF COARSE CRINOIDAL GLAUCONITIC LIMESTONE WITH VERTICAL FRACTURES, VERY SLIGHT ODOR, GOOD SPOTTED STAIN AND FLUORESCENCE AND AN OCCASIONAL TRACE OF POROSITY.
- 6079-80 1' AS ABOVE WITH SOME SPOTTED STAIN AND FLUORESCENCE AND ODOR.
- 6080-81 1' AS ABOVE WITH TRACE OF SPOTTED STAIN AND FLUORESCENCE.
- 6081-82 1' AS ABOVE WITH FAIR SCATTERED STAIN AND FLUORESCENCE.
- 6082-84 1'8" 2'8" BUFF - BROWN, COARSE CRINOIDAL SLIGHTLY GLAUCONITIC LIMESTONE WITH VERTICAL FRACTURE IN BOTTOM 1'8". POSSIBLE TRACE OF PENTREMITES IN TOP FOOT.

CORING TIME IN MINUTES PER FOOT AS FOLLOWS:

12-19-22-27-27-28-28-19-15-12-10-10-8-13-11-13-16-21-22-24-21-23-20-18-21-22-25-32-32-39-(28" OR 6").

CORE: #2 6089-6095; NO RECOVERY. TIME: 8:48 AM - 12:15 PM 9-16-55.

CORE: #3 6095-6104; NO RECOVERY. TIME: 12:44 AM - 6:28 AM 9-17-55.

CH:PMW