

THE SHAMROCK OIL AND GAS CORPORATION

STATE: KANSAS
 COUNTY: MEADE
 CORE: #1

CC: MR. DAN P. LONG
 T. S. CLOPTON
 A.C. BALDWIN
 FILE

DEPTH: 5,615 TO 5,657

RECOVERY: 42'

TIME: 6:58 PM - 4:15 AM, 7-20-55-7-21-55.

REMARKS: CARRIED 10,000# OF WEIGHT WHILE CORING. RPM'S OF ROTARY TABLE 100, PUMP PRESS: 700.

DESCRIPTION AS FOLLOWS:

- 5615-15'8" 8" GREEN WAXY FOSSILIFEROUS GLAUCONITIC CALCAREOUS SHALE.
- 5615'8"-18 2'4" BUFF TO BROWN FINE TO COARSE CRYSTALLINE FOSSILIFEROUS, CRINOIDAL, GLAUCONITIC LIMESTONE WITH SPOTTED FLUORESCENCE WITH GOOD CUT. VERY SLIGHT ODOR.
- 5618-19 1' VERY ARGILLACEOUS LIMESTONE AS ABOVE.
- 5619-20 1' LIGHT BROWN CALCAREOUS FOSSILIFEROUS GLAUCONITIC SHALE.
- 5620-20'6" 6" VERY DARK GRAY FOSSILIFEROUS CALCAREOUS, GLAUCONITIC SHALE WITH SPOTTED FLUORESCENCE AND CUT, VERY SLIGHT ODOR.
- 5620'6"-21 6" BROWN TO BUFF FINE TO COARSE CRYSTALLINE CRINOIDAL FOSSILIFEROUS SLIGHTLY GLAUCONITIC LIMESTONE WITH SPOTTED STAIN AND FLUORESCENCE WITH GOOD CUT. SLIGHT ODOR.
- 5621-22 1' BROWN FINE - COARSE CRYSTALLINE CRINOIDAL FOSSILIFEROUS SLIGHTLY GLAUCONITIC VUGGY LIMESTONE WITH TRACE OF HONEY COMB VUGGY POROSITY. (POSS CORAL) SATURATED DARK STAIN, FLUORESCENCE, CUT AND GOOD ODOR. TRACE OF VERTICAL FRACTURES.
- 5622-23 1' LIGHT BROWN FINE VERY ARGILLACEOUS SANDSTONE WITH TRACE OF PINHOLES, SPOTTED FLUORESCENCE AND CUT, TRACE OF BLEEDING OIL. GOOD ODOR.
- 5623-23'4" 4" BROWN FINE TIGHT ANGULAR SANDSTONE WITH SATURATED STAIN, FLUORESCENCE AND CUT. BLEEDING OIL ALONG DIAGONAL FRACTURES. GOOD ODOR.
- 5623'4"-24 8" GREEN WAXY SHALE.
- 5624-24'6" 6" BROWN FINE TIGHT ANGULAR SANDSTONE WITH SATURATED STAIN, FLUORESCENCE AND CUT AND GOOD ODOR.
- 5624'6"-28 3'6" GREEN VERY GLAUCONITIC VERY ARGILLACEOUS, SLIGHTLY MICACEOUS, FINE SANDSTONE AND SANDY SHALE WITH OCCASIONAL LAMINATIONS OF DARK GRAY SHALE AND OCCASIONAL TRACE OF COARSE SAND.
- 5628-30 2' BUFF FINE TO COARSE CRYSTALLINE VERY CRINOIDAL VERY GLAUCONITIC TIGHT SANDY LIMESTONE.
- 5630-31 1' GREEN TO BUFF FINE CALCAREOUS VERY GLAUCONITIC TIGHT SANDSTONE. TRACE SPOTTED FLUORESCENCE.
- 5631-32 1' TAN TO GREEN VERY GLAUCONITIC VERY ARGILLACEOUS SANDSTONE WITH SPOTTED FLUORESCENCE AND TRACE OF BLEEDING OIL. SLIGHT ODOR.
- 5632-43 11' LAMINATED BLACK SHALE AND BROWN FINE GLAUCONITIC SANDSTONE WITH SATURATED STAIN AND FLUORESCENCE WITH BLEEDING OIL AND GOOD ODOR. BLACK SHALE HAS SCATTERED FLECKS OF BLACK MICA. Tr. VF FR. 5634-35'.

- 5643-45 2' LAMINATED DARK GRAY MICACEOUS SHALE AND FINE TIGHT GLAUCONITIC SANDSTONE WITH SCATTERED STAIN AND FLUORESCENCE.
- 5645-52'6" 7'6" BLACK ROTTEN SHALE WITH OCCASIONAL TRACE OF FINE GLAUCONITIC SANDSTONE.
- 5652'6-53 6" BUFF FINE SLIGHTLY GLAUCONITIC SLIGHTLY FOSSILIFEROUS SANDSTONE WITH SCATTERED SHALE LAMINATIONS, TRACE OF CRINOIDS AND BRACHIPODS, TRACE OF POROSITY AND FAIR STAIN, FLUORESCENCE AND ODOR.
- 5653-54 1' BUFF FINE GLAUCONITIC SANDSTONE WITH TRACE OF BLACK SHALE LAMINATIONS. FAIR TO GOOD POROSITY. SATURATED STAIN, FLUORESCENCE AND GOOD ODOR.
- 5654-57 3' AS ABOVE WITH EXCELLENT POROSITY.

CORING TIME IN MINUTES PER FOOT AS FOLLOWS:

22-11-3-9-8-8-8-11-6-11-12-6-8-9-7-7-9-9-9-5-6-8-6-9-10-8-8-8-10-11-14-
15-12-10-15-15-13-5-3-7-5-74.

H:FMH

THE SHAMROCK OIL AND GAS CORPORATION

STATE: KANSAS

COUNTY: MEADE

CORE: #3

DEPTH: 5,672-92

RECOVERY: 14'7"

DATE: 7-22-55

TIME: 1:31 PM - 4:22 PM

REMARKS: CARRIED 12,000# OF WEIGHT WHILE CORING. RPM'S OF ROTARY TABLE 90.

DD: DAN P. LONG
T. S. CLOPTON
FILE
A. C. BALDWIN

DESCRIPTION AS FOLLOWS:

- 5672-73 1' BROWN COARSE VERY CRINOIDAL LIMESTONE WITH TRACE OF BRACHIOPODS. SATURATED STAIN, FLUORESCENCE AND GOOD ODOR. SOME DARK SHALE SPOTS. TRACE OF BLACK SHALE. SOME BUBBLING OIL. SLIGHT POROSITY.
- 5673-74 1' AS ABOVE WITH SOME SCATTERED POROSITY. BLEEDING OIL. GOOD ODOR. TRACE OF VERY COARSE FOSSILS, POSSIBLE TRACE PENTAMITES. VERY SLIGHT TRACE OF GLAUCONITE.
- 5674-75 3" DARK GRAY SHALE WITH SCATTERED CRINOIDS AND BRACHIOPODS.
9" BROWN FINE TIGHT SLIGHTLY ARGILLACEOUS, SLIGHTLY FOSSILIFEROUS LIMESTONE.
- 5675-76 4" LIMESTONE AS ABOVE.
5" LIMESTONE AS ABOVE WITH GRAY SHALE STREAKS OF BRYOZOAN FRAGMENTS.
3" DARK GRAY SHALE.
- 5676-77 1' GRAY - BROWN FINELY CRYSTALLINE TIGHT LIMESTONE WITH SCATTERED CRINOIDS, TRACE BRACHIOPODS, OCCASIONAL SHALE LAMINATIONS. TRACE OF BLACK VITREOUS NEEDLE CLUSTERS (POSS. COAL). VERY SLIGHT TRACE OF GLAUCONITE.
- 5677-78 7" LIMESTONE AS ABOVE.
3" GRAY SHALE WITH TRACE ARCHIMEDES. CRUMBLY.
2" SHALEY LIMESTONE AS ABOVE.
- 5678-79 1' BROWN - GRAY FINELY CRYSTALLINE SLIGHTLY ARGILLACEOUS, TIGHT FOSSILIFEROUS LIMESTONE WITH STREAKS OF VERY FOSSILIFEROUS SHALE INC. CRINOIDS AND BRACHIOPODS.
- 5679-80 1' 9" GRAY - GREEN SOAPY SHALE WITH BRACHIOPODS, CRUMBLY, 3" BROWN - GRAY FINE TIGHT FOSSILIFEROUS LIMESTONE, CRINOIDS AND BRACHIOPODS.
- 5680-81 1' BROWN FINE TIGHT SHALEY, COARSLY FOSSILIFEROUS LIMESTONE WITH LAYERS OF VERY FOSSILIFEROUS GRAY - GREEN SOAPY SHALE.
- 5681-82 1' BROWN FINE TIGHT LIMESTONE WITH SCATTERED BRACHIOPODS.
- 5682-83 8" AS ABOVE WITH TRACE OF ARCHIMEDES.
1" GREEN SOAPY VERY FOSSILIFEROUS SHALE, CRUMBLY.
3" LIMESTONE AS ABOVE.
- 5683-84 1" GRAY - GREEN SOAPY VERY FOSSILIFEROUS ^{Shale} LIMESTONE, CRUMBLY. (C) 1/2
2" LIMESTONE AS ABOVE.
9" SHALE AS ABOVE.
- 5684-85 8" SHALE AS ABOVE.
4" BROWN FINE TIGHT LIMESTONE, SLIGHTLY CRINOIDAL AND SHALEY.

- 5685-86 1' BROWN FINE TIGHT SLIGHTLY FOSSILIFEROUS LIMESTONE. TRACE OF SHALE.
TRACE ARCHIMEDES AND PENTRAMITES.
- 5686-861.7 7" BUFF FINE - COARSE CRYSTALLINE TIGHT FOSSILIFEROUS LIMESTONE WITH
VERTICAL FRACTURES. BLEEDING DARK HEAVY OIL. VERY SLIGHTLY POROUS.

CORING TIME IN MINUTES PER FOOT AS FOLLOWS:

11 - 14 - 14 - 14 - 11 - 12 - 11 - 12 - 18 - 16 - 13 - 8 - 10 - 15 - 12 -
8 - 9 - 9 - 8 - 10.

CH;FWM