

34-32-27W

CORE ANALYSIS RESULTS

Company THE SHAMROCK OIL AND GAS CORP. Formation MORROW File CP-7-539 FC
 Well MARY J. REIMER ET AL NO. 1 Core Type DIAMOND Date Report 2/16/60
 Field MCKINNEY Drilling Fluid WATER BASE MUD Analysts EVATT
 County MEADE State KANSAS Elev. 2435' KB Location 1250' N OF SL & 1250' E OF WL
 SECTION 34-32S-27W

Lithological Abbreviations

SAND SD SHALE-SH LIME-LM	DOLOMITE DOL CHERT-CH GYPSUM GYP	ANHYDRITE ANHY CONGLOMERATE CONG FOSSILIFEROUS FOSS	SANDY SDY SHALY SHY LIMY LMY	FINE FN MEDIUM MED COARSE-CSE	CRYSTALLINE XCN GRAIN-GRN GRANULAR GRNL	BROWN BRN GRAY-GY VUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL/ VERY V/ WITH-W.
--------------------------------	--	---	------------------------------------	-------------------------------------	---	-----------------------------------	--	------------------------------------

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	

CORE NO. 1

	5622-22.3					Sh
	22.3-23					Lm
	5623-24	<0.1	9.6	0.0	90.7	Sd v/fn grn shy
	24-25	<0.1	9.7	0.0	83.5	" "
3	25-26	<0.1	11.3	0.0	86.8	" "
	5626-29					Lm
4	5629-30	1.0	14.8	0.0	64.8	Sd fn grn sl/shy
5	30-31	8.6	20.6	0.0	54.9	" "
6	31-32	0.1	12.2	0.0	67.2	" "
	32-33	0.7	5.6	0.0	66.1	Sd fn grn sl/lmy
7	33-34	0.1	8.0	0.0	43.8	" "
9	34-35	36	18.7	0.0	41.2	Sd fn grn

CORE NO. 2

5635-35.3	Sh
35.3-38.5	Lm w/vertical fractures
5638.5-45	NOT RECOVERED

DATA MAILED FROM LIBERAL, KANSAS. PHONE MAIN 4-5319.

Mary J Reimer 1

34-32-27W

LOCATION

THE SHAMROCK OIL AND GAS CORPORATION
INTER-OFFICE CORRESPONDENCE

AMARILLO, TEXAS February 23,

1960

Mr. Harry M. Britt, Jr.Copies to: Mr. Dan P. Long ✓From T. J. ThompsonMr. T. S. CloptonSubject THE SHAMROCK OIL AND GAS CORPORATIONWell: Mary J. Reimer Et Al No. 1
County: Meade, KansasCore: #1
Depth: 5622-35
Recovery: 13' (Cored 13')
Time: 1:05 p.m. - 3:56 p.m. 2-15-60
Weight: 14,000; PP: 600; RPM'S: 70-78

Coring Time: 15 - 12 - 10 - 19 - 23 - 17 - 18 - 7 - 6 - 6 - 10 - 11 - 16.

.2' Grey - shale.

.8' Grey - fine grained, extremely tight, quartzite; no shows.

2.5' Grey - fine grained, silty, slightly porous sand with scattered glauconite; trace of odor.

.5' Grey - shaley, slightly sandy, crinoidal limestone; no shows.

1' Grey - dense, fractured limestone; no shows.

1' Grey - medium - crystalline, crinoidal, tight limestone; no shows.

.8' Grey - dense, fractured limestone; no shows.

.2' Grey to black shale with small pebbles and fossiliferous inclusions.

3' Grey - fine grained, porous sand with slight stain and odor with dull blue fluorescence; very slightly calcareous and kaolinitic.

1' Grey - fine grained, extremely tight sand with no shows.

1.8' Grey - fine grained, slightly porous sand with trace of odor; very slightly calcareous and kaolinitic.

.2' Grey - black rotten shale.

Mr. Harry M. Britt, Jr.

2

2-23-60

Core: #2
Depth: 5635-45
Recovery: 3.5' (Cored 10')
Time: 10:20 p.m. 2-15-60 - 2:30 a.m. 2-16-60
Weight: 10,000 - 15,000; PP: 600; RPM'S: 68

Coring Time: 15 - 31 - 18 - 19 - 23 - 27 - 48 - 29 - 29 - 36.

- .3' Grey - black shale.
- 3.2' Grey to black, dense, fractured limestone; no shows.
- 6.5' Lost core.

Core: #3
Depth: 5645-79
Recovery: 26' (Cored 34')
Time: 10:45 p.m. 2-16-60 - 12:55 p.m. 2-17-60
Weight: 16,000; PP: 600; RPM'S 70

Coring Time: 22 - 28 - 30 - 39 - 28 - 33 - 27 - 27 - 27 - 30 - 24 - 19 - 22 - 22 -
18 - 18 - 20 - 19 - 19 - 22 - 30 - 25 - 29 - 27 - 23 - 23 - 26 - 26 - 23 -
19 - 21 - 20 - 25 - 35.

- 1' Grey - black, fossiliferous limey shale.
- 2' Grey - black dense, shaley limestone.
- 1' Grey - black dense, shaley limestone with Archimedes.
- 1' Grey - fine to medium crystalline, tight, fossiliferous limestone; no shows.
- 1' Grey - fine to medium crystalline, tight, fossiliferous limestone with trace of vertical fractures.
- 1' Grey - fine to medium crystalline, tight, fossiliferous limestone without vertical fractures with scattered shale inclusions.
- 3' Same as above with scattered grey oolites.
- 1' Grey - black, shaley, crinoidal, fossiliferous, tight limestone; no shows.
- 1' Grey - fine to medium crystalline, tight, fossiliferous crinoidal limestone.
- 4' Grey - black, shaley, crinoidal, fossiliferous, tight, limestone; no shows.
- 9.5' Grey - fine to medium, crystalline, tight, very crinoidal, fossiliferous limestone; no shows.
- .5' Grey - black, shaley, crinoidal, tight limestone.