

Kansas Cores

PETROLEUM RESERVOIR ENGINEERING
WICHITA, KANSAS

WELL Dickman #5 COUNTY Now STATE Kansas
COMPANY Walters Drilling DATE 12-13-62 FILE NO. 8-519
FIELD Dickman TYPE CORES Diamond ANALYST IS

ANALYSIS DATA AND INTERPRETATIONS

SAMPLE No.	DEPTH	PERMEABILITY MILLIDARCYS		POROSITY %	SATURATION WATER % PORE SPACE	SATURATION OIL % PORE SPACE	PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL					
1	4447 48	150	150	25.7	29.2	16.2	Oil	
2	4448 49	0.0	0.0	16.6	69.7	0.0	No Perm	
3	4449 50	0.0	0.0	17.6	73.8	0.0	No Perm	
4	4450 51	0.0	0.0	19.6	67.3	6.6	No Perm	
5	4451 52	0.0	0.0	10.1	36.2	0.2	No Perm	
6	4453 54	68.3	62.5	17.9	56.5	7.5	Water	
7	4454 55	18.6	4.0	16.2	69.0	15.1	Water	
8	4455 56	28.6	28.6	19.0	57.7	12.8	Water	
9	4456 57	120	110	24.2	59.2	16.4	Water	
10	4457 58	60.5	43.7	21.7	58.9	14.2	Water	
11	4458 59	990	990	33.2	62.5	2.1	Water	
12	4459 60	125	125	23.3	64.0	2.6	Water	
13	4460 61	14.3	10.6	13.4	95.3	0.0	Water	

Re: CORE DESCRIPTION
Walters Drlg. Co.
Dickman #5
Ness County, Kansas

CORE #1

4440' to 4450' Cut 10' Rec. 10'

- 6½' Grey to green shale with some conglomerite and sandy shale top, few inclusions and partings of soft green shaley dolomite: No stain or odor .
- 1½' Soft dark brown finely crystalline dolomite with trace green shale, trace pyrite: Good stain & odor
- 2' Hard dense to some chalky slightly shaley dolomite: No stain or odor

CORE #2

4450' to 4455' Cut 5' Rec. 5'

- 2' Hard dense shaley dolomite and green shale with yellow and brown pyrite, vertically fractured bottom: Slight streaked stain
- 1' Grey shale with few thin dolomite streaks
- 2' Fossiliferous hard cherty dolomite with few streaks hard dense green dolomite: Fair streaked stain

CORE #3

4455' to 4470' Cut 15' Rec. 15'

- 3' Soft brown slightly limey dolomite with few streaks of dense green tight dolomite: Fair to good stain
- 1' Very soft brown dolomite: Poor stain and odor
- 1' Soft brown finely crystalline dolomite: Poor stain
- 10' Light brown to grey dense to finely crystalline limey dolomite: No show

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PETROLEUM RESERVOIR ENGINEERING

CORE ANALYSIS

Dec. 13, 1962

1026 NORTH LIGHTNER
WICHITA, KANSAS

Re: CORE ANALYSIS REPORT
Walters Drilling Co.
Dickman #5
Ness County, Kansas

Walters Drilling Co.
510 Orpheum Building
Wichita, Kansas

Gentlemen:

The cores from your well, Dickman #5, Ness County, Kansas have been analysed for permeability, porosity, and residual saturation of oil and water. The data will be found tabulated on the following pages and indicated on the coregraph. The data averages and recovery figures are not included in this report due to the non commercial nature of the samples analysed.

The following is a short discussion of the section cored and analysed.

4447' to 4448' - Oil Productive

This one foot of the Mississippian formation was composed of a soft brown dolomite with good oil saturation and low water percentages. The porosity and permeability was very good. Due to the thickness of only 1' however; the zone is considered non commercial.

4453' to 4461' - Water Productive

The apparent water contact in this hole is at 4453', although the 5' directly above had no permeability with very little staining. This section had fair staining for the top 5', but the water percentages indicate that the zone is only water productive.

4453
2477
-1976 o/w

Yours very truly,

KANSAS CORES

Ivan L. Stuber
Ivan L. Stuber

Attachments

cc: 5 copies to Walters Drlg. Co., Wichita, Kansas
1 copy to KANSAS CORES, Wichita, Kansas