

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

PENNZOIL COMPANY

G.W. RICE NO. 7 WELL
BURTON FIELD
MARION COUNTY, WEST VIRGINIA

049 322

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS 75247

P. O. Box 131
Mt. Pleasant, Mich. 48858

Pennzoil Company
601 Grand Central Ave.
P. O. Drawer 1588
Parkersburg, West Virginia 26101

File No. 3602-320
October 25, 1977

Att: Mr. Jon R. Hoover

Re: Core Analysis Report
Maxton Sandstone Formation
G. W. Rice No. 7 Well
Burton Field
Marion Co., West Virginia

Gentlemen:

Selected diamond core samples from this well between the depths of 2174 feet and 2188 feet have been shipped to our Michigan laboratory for full diameter analysis and grain density measurements. Results of this analysis are herein submitted in tabular form.

Horizontal permeability measurements on the full diameter samples indicate permeability that is several magnitudes greater than anticipated within the indicated porosity range. The argillaceous laminations in the sandstone may be parting due to dehydration and thereby creating permeability not indigenous to the formation. The horizontal 'plug-type' samples used for grain density measurements were selected to avoid such argillaceous laminations and permeability and porosity measurements were performed on these smaller samples. The permeability of the sandstone is believed to be of the magnitude indicated by the 'plug-type' samples.

These core samples are being returned to your office. The opportunity to have been of service on this well is indeed appreciated and please call us if we can be of any assistance.

Very truly yours,

CORE LABORATORIES, INC.



Mabre Maness
District Manager

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PENNZOIL COMPANY
 S.W. RICE NO. 7 WELL
 CURTIS FIELD
 MARION COUNTY, W. VA.

DATE: 10-10-77
 FORMATION: MAXTON SANDSTONE
 DRLG. FLUID: FRESH WATER GEL
 LOCATION:

FILE NO: 3602-320
 ENGINEER: ANTWINE
 ELEVATION:

* INDICATES PLUG PERM

S INDICATES PRESERVED SAMPLE

SMP. NO.	DEPTH	PERM. TO AIR MD.			POROSITY GEX. FLD.	FLUID SATS.		GR. DEN.	DESCRIPTION
		MAXIMUM	90 DEG	VERT.		OIL	WTR.		
FULL DIAMETER ANALYSIS									
1	2174.3-	2.1	1.8	<0.1	3.4			2.70	SD, CALC, SHY, LAM, FRAC
2	2179.6-	19.0	16.0	<0.1	2.2			2.68	SD, SL/SHY, LAM, FRAC
3	2181.0-	7.7	6.7	<0.1	3.8			2.63	SD, SHY, LAM, FRAC
4	2183.0-	9.6	9.5	<0.1	3.7			2.66	SD, SL/SHY, LAM, FRAC
5	2185.0-	9.9	8.4	<0.1	3.7			2.65	SD, FRAC
6	2187.5-	1.4	0.2	<0.1	4.3			2.68	SD, FRAC
7	2188.0-	13.0	4.1	<0.1	2.8			2.68	SD, FRAC

CONVENTIONAL (PLUG) ANALYSIS

1	2174.3-		0.9		3.7			2.67	AS ABOVE
2	2179.6-		0.2		2.7			2.65	
3	2181.0-		0.5		4.2			2.67	
4	2183.0-		0.2		3.6			2.67	
5	2185.0-		0.4		3.7			2.66	
6	2187.5-		0.2		4.2			2.67	
7	2188.0-		0.2		3.2			2.66	