



CORE LABORATORIES

CORE ANALYSIS RESULTS

for

Chevron USA, Inc.

No. 1-26 Ethel M. Martin
Wildcat
Morrow Formation
Wallace County, Kansas
File Number: 57121-8124

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CORE LABORATORIES

Company : Chevron USA, Inc.
 Well : No. 1-26 Ethel M. Martin
 Location : Sec. 26 T15S R40W
 Co, State : Wallace County, Kansas

Field : Wildcat
 Formation : Morrow
 Coring Fluid : Water Base Mud
 Elevation : 3658 KB

File No.: 57121-8124
 Date : 9-Dec-1987
 API No. :
 Analysts: FD MW DS

C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH ft	PERMEABILITY (HORIZONTAL) Kair md	POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
				(PORE VOLUME) OIL %	(PORE VOLUME) WATER %		
Core No.1 Morrow Formation 5070.0-5130.0							
1	5070.0- 28.0						
	5128.0- 29.0	0.28	7.3	0.0	95.1	2.68	Shale -- No Analysis
	5129.0- 30.0						Sst 1t gry v f v shly sl calc pyr glauc Shale -- No Analysis

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SUMMARY OF CORE DATA

TABLE I

ZONE AND CUTOFF DATA

CHARACTERISTICS REMAINING AFTER CUTOFFS

ZONE:		ZONE:		PERMEABILITY:	
Identification -----	Morrow	Number of Samples -----	1	Flow Capacity -----	0.3 md-ft
Top Depth -----	5070.0 ft	Thickness Represented -	1.0 ft	Arithmetic Average ----	0.28 md
Bottom Depth -----	5130.0 ft	POROSITY:		Geometric Average -----	0.28 md
Number of Samples -----	1	Storage Capacity -----	7.3 ϕ -ft	Harmonic Average -----	0.28 md
DATA TYPE:	(HELIUM)	Arithmetic Average ----	7.3 %	Minimum -----	0.28 md
Porosity -----	(HORIZONTAL) Kair	Minimum -----	7.3 %	Maximum -----	0.28 md
Permeability -----		Maximum -----	7.3 %	Median -----	0.00 md
		Median -----	0.0 %	Standard Dev. (Geom) --	K.10 \pm 0.000 md
CUTOFFS:		Standard Deviation ----	\pm 0.0 %	HETEROGENEITY (Permeability):	
Porosity (Minimum) -----	0.0 %	GRAIN DENSITY:		Dykstra-Parsons Var. --	0.000
Porosity (Maximum) -----	100.0 %	Arithmetic Average ----	2.68 gm/cc	Lorenz Coefficient ----	0.000
Permeability (Minimum) ---	0.0000 md	Minimum -----	2.68 gm/cc	AVERAGE SATURATIONS (Pore Volume):	
Permeability (Maximum) ---	100000. md	Maximum -----	2.68 gm/cc	Oil -----	0.0 %
Water Saturation (Maximum)	100.0 %	Median -----	0.00 gm/cc	Water -----	95.1 %
Oil Saturation (Minimum) -	0.0 %	Standard Deviation ----	\pm 0.00 gm/cc		
Grain Density (Minimum) --	2.00 gm/cc				
Grain Density (Maximum) --	3.00 gm/cc				
Lithology Excluded -----	None				

Core Lab Depth Plot

Chevron USA, Inc.
No. 1-26 Ethel M. Martin
Wildcat

Morrow (5070-5130 feet)

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18-Dec-1987

Vertical Scale
5.00 in = 100.0 ft

