

CORE ANALYSIS RESULTS

Company MESA PETROLEUM COMPANY Formation DRINKARD File 623-3651
 Well WEST KNOWLES NO. 2 Core Type DIAMOND 4 1/4" Date Report 2-27-75
 Field WEST KNOWLES Drilling Fluid WATER BASE MUD Analysts BOONE
 County LEA State N.M. Elev. Location 1980 FSL & 660 FWL SEC 35-16-37

Lithological Abbreviations

SAND SD SHALE SH LIME LM	DOLOMITE DOL CHERT CH GYPSUM GYP	ANHYDRITE ANHY CONGLOMERATE CONG FOSSILIFEROUS FOSS	BANDY BDY SHALY SHY LIMY LMY	FINE FN MEDIUM MED COARSE CSE	CRYSTALLINE XLN 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 MILLIDARCYs	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS		VERT. PERM.
				OIL	TOTAL WATER			

WHOLE CORE ANALYSIS

1	8372.0-73.6	1.9 0.2	3.6	6.4	23.3	DOLOMITE	1.7
2	73.6-75.3	2.3 <0.1	1.6	9.2	36.8	DOLOMITE, FRAC	0.9
3	75.3-77.0	<0.1 <0.1	2.7	9.2	39.6	DOLOMITE, FRAC	<0.1
4	77.0-78.8	0.9 0.5	4.1	12.3	35.8	DOLOMITE, FRAC, VGY	0.4
5	78.8-80.7	0.2 <0.1	1.5	2.7	64.3	DOLOMITE, SL/FRAC	<0.1
6	80.7-82.1	3.7 3.5	10.5	16.1	25.6	DOLOMITE, VGY	4.2
7	82.1-83.7	10 0.2	3.6	9.4	40.2	DOLOMITE, FRAC	<0.1
8	83.7-85.3	0.4 0.3	4.0	10.6	29.4	DOLOMITE, SL/FRAC, VGY	0.9
9	85.3-87.0	6.7 0.9	4.5	12.2	20.4	DOLOMITE, VGY	0.5
10	87.0-88.5	3.2 <0.1	2.9	11.9	34.0	DOLOMITE	2.8
11	88.5-90.0	6.7 1.2	6.5	11.0	28.4	DOLOMITE, SL/FRAC, VGY	3.9
12	90.0-91.5	3.4 0.4	4.5	7.2	36.0	DOLOMITE, SL/FRAC, VGY	0.7
13	91.5-93.0	0.9 0.2	2.6	1.5	56.8	DOLOMITE, SL/FRAC, VGY	0.1
14	93.0-94.7	<0.1 <0.1	1.5	2.0	54.7	DOLOMITE, ANHY, VGY	<0.1
15	94.7-96.3	<0.1 <0.1	2.9	1.4	60.6	DOLOMITE, ANHY, VGY	<0.1
16	96.3-98.0	5.4 0.5	3.2	6.5	46.7	DOLOMITE, ANHY, FRAC	0.3
17	98.0-99.5	7.8 0.3	2.2	6.9	44.0	DOLOMITE, ANHY, FRAC	1.0
18	99.5-01.0	<0.1 <0.1	1.7	1.8	57.3	DOLOMITE, ANHY, VGY	<0.1
19	8401.0-02.7	<0.1 <0.1	3.3	3.6	82.5	DOLOMITE, ANHY	<0.1
20	02.7-04.4	<0.1 <0.1	2.4	1.7	39.2	DOLOMITE, ANHY, VGY	<0.1
21	8404.0-06.0	0.2 <0.1	2.3	2.1	43.7	DOLOMITE, ANHY, VGY	<0.1

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OIL CONSERVATION COMM.
LOBES, H. M.