

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

PAGE 1

JOHN S. GOODRICH
 HONDO FEDERAL NO. 1
 S.E. CHAVES (QUEEN) FIELD
 CHAVES COUNTY, NEW MEXICO

DATE : 1-21-85
 FORMATION : QUEEN
 DRUG. FLUID: SALT MUD
 LOCATION : SE 1/4 OF NE 1/4, SEC. 21,
 T-13-S, R-31-E

FILE NO. : 3202-14526
 LABORATORY : MIDLAND, TEXAS
 ANALYSTS : REINHHEIMER
 CORES : SCHLUMBERGER

SIDEWALL CORE ANALYSIS

REC IN	DEPTH FEET	PERM(Ka) MD	He POR	OIL% PORE	WTR% PORE	PROB PROD	OIL% BULK	GAS% BULK	GAS DET	DESCRIPTION
0.5	2742.0	55.	21.3	8.3	51.9	OIL	1.8	8.5	0	SD VFG GRY SL/LMY STY FLU-SP
0.1	2743.0								8	NA SD VFG BRN TBFA FLU-F
0.1	2744.0								4	NA SD VFG BRN TBFA FLU-G
0.5	2744.5	312.	27.9	12.7	28.2	OIL	3.5	16.5	3	SD VFG BRN STY FLU-G
0.5	2745.0								9	NA SD VFG BRN SL/GYP RED BED FOSS FLU-S
1.0	2745.5	146.	23.9	15.8	39.6	OIL	3.8	10.7	5	SD VFG BRN FLU-G
0.8	2746.0	172.	25.2	16.1	34.6	OIL	4.1	12.4	8	SD VFG BRN FLU-F-G
0.5	2747.0	180.	25.9	6.5	56.6	OIL	1.7	9.6	0	SD VFG GRY FLU-TR-SP
0.8	2748.0	346.	28.1	12.3	41.0	OIL	3.5	13.1	2	SD VFG BRN FLU-F-G
0.8	2749.0	126.	25.3	0.0	58.0	WTR	0.0	10.6	1	SD VFG GRY SL/GYP RED BED FLU-0
0.5	2750.0	151.	24.1	0.0	66.7	WTR	0.0	8.0	0	SD VFG GRY FLU-0
1.0	2751.0	447.	31.1	23.8	45.7	OIL	7.4	9.5	40	SD VFG BRN STY FLU-F-G
0.6	2752.0	136.	24.1	0.0	71.4	WTR	0.0	6.9	0	SD VFG BRN FLU-0
0.8	2770.0	0.76	10.7	0.0	51.2	WTR	0.0	5.2	0	SD VFG GRY RED SAND STY FLU-0
0.6	2771.0	2.7	13.5	0.0	59.1	WTR	0.0	5.5	1	SD VFG RED SL/GYP STY FLU-0
0.8	2772.0	1.8	12.0	0.0	65.6	WTR	0.0	4.1	0	SD VFG RED SL/GYP STY FLU-0

Note: Permeability values for percussion type sidewall cores determined empirically.