

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

DIAMOND SHAMROCK

BOISE CASCADE 11-14

WILDCAT

CLATSOP COUNTY, OREGON

SCANNED

DIAMOND SHAMROCK
 ROISE CASCADE 11-14
 WILDCAT
 CLATSOP COUNTY, OREGON

DATE : 4-24-81
 FORMATION : COWLITZ
 DRLG. FLUID: WATER BASE MUD
 LOCATION : NW NW SEC 14-T7N-R7W

FILE NO : RP-2-6507
 ANALYSTS : BN
 ELEVATION:

SIDEWALL CORE ANALYSIS DATA

SAMPLE NUMBER	DEPTH	PERM Ka MAXIMUM	FOR. FLD	FLUID SATS.		DESCRIPTION
				OIL	WTR	
1	3992.0	17.	21.6	0.0	67.1	SS GY FG TR/SH
2	3995.0	*	25.0	0.0	72.0	SD DK GRAY FG V/SHALY
3	4003.0	*	22.7	0.0	65.2	SD GRAY MG
4	4006.0	*	24.0	0.0	62.7	SD GRAY MG SHALY
5	4032.0					UNSUITABLE FOR ANALYSIS
6	5662.0					UNSUITABLE FOR ANALYSIS
7	5930.0	*	27.1	0.0	72.0	SD BLK FG SLTY
8	5960.0	*	16.6	0.0	78.9	SS GY FG
9	6255.0	33.	17.4	0.0	60.3	SS GY FG SHY
10	6265.0					UNSUITABLE FOR ANALYSIS
11	6270.0	114.	16.8	0.0	61.3	SS GY FG V/SLTY
12	6533.0	215.	24.8	0.0	62.1	SD GRAY MG
13	6566.0	52.	16.2	0.0	62.3	SS GY VFG SH/LAM
14	6570.0					UNSUITABLE FOR ANALYSIS
15	6573.0	17.	19.0	2.1	64.2	SS GY VFG
16	6642.0	8.00	15.1	0.0	62.3	SD GRAY FG SHALY SILTY MICA
17	6660.0	17.	23.5	1.3	67.2	SS GY VFG
18	6670.0	*	25.0	0.0	63.2	SS GY VFG
19	6686.0					UNSUITABLE FOR ANALYSIS
20	6793.0	14.	16.5	0.0	58.8	SD GRAY VFG SHALY SILTY MICA
21	6804.0	33.	20.5	0.0	54.1	SS GY VFG
22	6805.0	54.	21.4	0.0	60.0	SS GY FG
23	6927.0	*	16.9	0.0	77.5	SS BLK FG
24	6945.0					UNSUITABLE FOR ANALYSIS
25	7604.0	*	22.4	0.0	71.9	SD DK GRAY FG V/SHALY
26	7607.0					UNSUITABLE FOR ANALYSIS
27	7710.0	490.	21.6	0.0	76.9	SD DK GRAY FG V/SHALY MICA
28	7716.0	*	26.0	0.0	65.4	SD DK GRAY V/SHALY MICA

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation or performance of any oil, gas or other well.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

DIAMOND SHAMROCK
 BOISE CASCADE 11-14

DATE : 4-24-81
 FORMATION : COWLITZ

FILE NO : RP-2-6507
 ANALYSTS : BN

SIDEWALL CORE ANALYSIS DATA

SAMPLE NUMBER	DEPTH	PERN K _a MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
---------------	-------	-----------------------------	----------	-----------	-----------	-------------

7726.0

UNSUITABLE FOR ANALYSIS

* = UNSUITABLE FOR PERMEABILITY MEASUREMENT