



00300873

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Company UTAH SOUTHERN OIL COMPANY Formation "J" SAND Page 1 of 1
Well SHRODER NO. 2 Cores DIA. CONV. File RP-5-625(PC)
Field MAY Drilling Fluid _____ Date Report 11-24-57
County WELD State COLORADO Elevation 5011'KB Analysts LLC
Location NW-SE SEC. 30-12N-56W Remarks SERVICE NO. 8

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORZ	VERT		OIL % VOLUME	TOTAL WATER % PORE		
1	6477	0.0	0.0	7.4	13.5	32.5	(2)	VERTICAL FRACTURE, sandstone, fine-grain.
2	6478	14	9.3	9.9	12.2	38.4	(2)	VERTICAL FRACTURE, sandstone, fine-grain.
3	6479	1.2	0.0	14.3	7.7	44.7	(2)	Sandstone, fine-grain, with shale partings
4	6480	124	121	17.0	16.5	42.4	(2)	Sandstone, fine-grain.
5	6481	45	35	15.4	18.2	36.3	(2)	Sandstone, fine-grain.
6	6482	13	0.0	11.4	26.0	44.7	(2)	Reworked sandstone and shale.
7	6483	142	123	14.1	26.9	61.7	(2)	Sandstone, fine-grain.
8	6484	207	185	22.8	16.7	49.3	(2)	VERTICAL FRACTURE, sandstone, fine-grain, carbonaceous.
9	6485	8.1	5.8	9.3	5.4	31.3	(2)	VERTICAL FRACTURE, sandstone, fine-grain.
10	6490	0.0	0.0	4.5	0.0	84.5	(2)	VERTICAL FRACTURE, sandstone, fine-grain, with shale partings.
11	6491	0.0	0.0	6.1	34.4	52.5	(2)	Sandstone, fine-grain, with shale partings
12	6492	22	15	14.5	10.4	38.0	(2)	Sandstone, fine-grain, with shale partings
13	6496	0.0	0.0	10.7	6.5	45.7	(2)	VERTICAL FRACTURE, sandstone, fine-grain, carbonaceous.
14	6498	0.0	0.0	7.0	0.0	50.0	(2)	VERTICAL FRACTURE, sandstone, fine-grain.
15	6500	0.0	0.0	8.8	0.0	89.9	(2)	Sandstone, fine-grain, with shale partings
16	6507	41	25	24.5	0.0	75.8	(2)	Sandstone, fine-grain, carbonaceous.

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

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 operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.