EXHIBIT NO. 12

CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY SINCLAIR OIL & GAS COMPANY — FILE NO. WP-3-1169
WELL STATE LEA 6019 NO. 2 — DATE 4-29-60 — ENGRS. NEFF-LISSO
FIELD WEST TEAS — FORMATION YATES — ELEV. 3530' GL
COUNTY LEA — STATE NEW MEXICO — DRLG. FLD. WATER BASE MUD — CORES DIAMOND 2 5/8"
LOCATION 660 FN & WL SEC 16-T20S-R33E — REMARKS SAMPLED AS DIRECTED BY CLIENT

COMPLETION COREGRAPH

These analyses, opinions or interpretations are based on observations and material 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 profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon

SAND — LIMESTONE — CONGLOMERATE — CHERT — ANHYDRITE
SHALE — DOLOMITE — OOLITES

SAMPLE CHARACTERISTICS
Figured L=Laminated FG; MG; CG=Type Grain Size S=Stylolitic V=Vuggy

PROBABLE PRODUCTION
O=Oil W=Water G=Gas T=Transitional

DEPTH FEET	PERMEABILITY, MD. * = Horizontal Perm Plug	POROSITY %	RESIDUAL SATURATION % PORE SPACE OIL	RESIDUAL SATURATION % PORE SPACE TOTAL WATER	
CONVENTIONAL ANALYSIS					
3033.0-34.0	<0.1	5.3	0.0	98.0	FG
34.0-35.0	<0.1	8.2	19.5	48.7	FG
35.0-36.0	<0.1	11.0	12.7	50.9	FG
36.0-37.0	<0.1	8.7	16.1	65.5	FG
37.0-38.0	<0.1	11.0	14.5	68.0	FG
38.0-39.0	0.5	14.0	19.3	50.7	FG
39.0-40.0	0.1	11.8	15.2	43.2	FG
40.0-41.0	<0.1	14.4	6.2	76.3	FG
41.0-42.0	<0.1	9.5	14.7	60.0	FG
42.0-43.0	<0.1	12.4	22.5	51.5	FG
43.0-44.0	<0.1	8.7	0.0	94.0	FG
44.0-45.0	<0.1	9.1	0.0	92.2	FG
45.0-46.0	<0.1	7.6	0.0	94.6	FG
46.0-47.0	<0.1	8.4	0.0	98.9	FG
47.0-48.0	<0.1	9.5	5.3	67.4	FG
48.0-49.0	<0.1	8.6	18.5	55.7	FG
49.0-50.0	<0.1	10.5	15.2	61.0	FG
50.0-51.0	<0.1	7.0	0.0	95.8	FG
DENSE-NO SHOW					

PERMEABILITY O—O MILLIDARCYS. 20 10
POROSITY X---X PERCENT 20 10
TOTAL WATER O—O PERCENT PORE SPACE 75 50 25
OIL SATURATION X---X PERCENT PORE SPACE 25 50 75

3010 3015 3020 3025 3030 3035 3040 3045 3050 3055 3060 3065

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 12
CASE NO. 4422