

CORE ANALYSIS RESULTS

Company **EL PASO NATURAL GAS COMPANY** Formation **DAKOTA** File **RP-3-1045**
 Well **SAN JUAN 29-5 No. 32-29** Core Type **DIAMOND CONV.** Date Report **8/7/59**
 Field **BLANCO MESA VERDE DAKOTA WILDCAT** Drilling Fluid **OIL EMULSION MUD** Analysts **ENGLISH**
 County **RIO ARriba** State **N.MEXICO** Elev **6531 DF** Location **SEC29 29N 5W**

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARREYS	POROSITY PERCENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
51	7856-57	0.01	2.3	0.0	91.3	Vertical Fracture
52	57-58	0.02	1.7	0.0	58.9	Vertical Fracture
53	58-59	0.02	1.9	0.0	31.5	Vertical Fracture
54	59-60	0.02	1.6	0.0	75.0	Vertical Fracture
55	60-61	0.04	1.2	0.0	66.7	Vertical Fracture
56	7866-67	0.02	0.6	0.0	66.6	Vertical Fracture
57	67-68	0.07	2.1	0.0	90.5	Vertical Fracture
58	68-69	<0.01	0.8	0.0	50.0	Vertical Fracture

7856-7861 Low porosity (1.7% average) and low permeability (0.02 md./ft. average) show this interval to have no commercial value . Other properties are : saturation of total water 64.6% average and saturation of residual oil 0.0% average .

7866-7869 Low porosity (1.2% average) and high total water saturations (69.0% average) show this interval to have no commercial value . Other properties are : permeability 0.03 md./ft. average and saturation of residual oil 0.0% average .

There is evidence of a good fracture system , which could be the resevoir and the means of passage to the well bore for fluids within these fractures . Further testing should be done to evaluate the fractures .

CORE ANALYSIS RESULTS

Company EL PASO NATURAL GAS COMPANY Formation DAKOTA File RP-3-1045
 Well SAN JUAN 29-5 # 32-29 Core Type DIAMOND CONV. Date Report 8/9/59
 Field BLANCO MESA VERDE DAKOTA WILDCAT Drilling Fluid OIL EMULSION MUD Analysts ENGLISH
 County RIO ARRIBA State N. MEXICO Elev. 6531 DF Location Sec29 29N 5W

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
59	7869-70	<0.01	1.0	0.0	60.0	Vertical Fracture
60	70-71	<0.01	1.8	0.0	22.2	Vertical Fracture
61	71-72	<0.01	1.1	0.0	72.3	Vertical Fracture
62	72-73	0.01	1.4	0.0	42.8	Vertical Fracture

7869-7873 Low porosity (1.3% average), low permeability (<0.01 md./ft. average) and high total water saturations (49.3% average) show this interval to have no commercial value . There is evidence of a good fracture system , which could be the resevoir and the means of passage to the well bore . Further testing should be done to evaluate the amount and type of fluid within these fractures . The saturation of residual oil is 0.0% average .

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, they were 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.