

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 PER CENT	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 .

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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 **Sec 29 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 .