

CORE ANALYSIS RESULTS

Company: W.H. HUDSON
Well: FAIRCHILD # 3
Field: BASIN DAKOTA-GALLUP WILDCAT
County: SAN JUAN State: NEW MEX. Loc: 5916 DP Location: S 14 T 27 N R 13 W

Formation: GALLUP
Core Type: DIAMOND CONV.
Drilling Fluid: OIL EMULSION MUD
File: RP-3-1817
Date Report: 9-29-63
Analysts: McCOMAS

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARIES	POROSITY PERCENT	RESIDUAL SATURATION PER CENT OIL	TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
1	5349-50	<0.01	6.7	46.3	52.2	SHALE, SANDY
2	5350-51	<0.01	7.0	47.1	50.0	SHALE, SANDY
3	5351-52	<0.01	7.3	44.6	46.2	SHALE, SANDY
4	5352-53	<0.01	7.5	44.0	54.7	SHALE, SANDY
5	5353-54	<0.01	8.0	38.9	52.8	SHALE, SANDY
6	5354-55	0.02	4.9	38.8	59.2	SHALE, SANDY VERTICAL FRACTURE
7	5355-56	<0.01	6.8	42.6	57.7	SHALE, SANDY VERTICAL FRACTURE
8	5356-57	<0.01	4.7	36.2	61.7	SHALE, SANDY VERTICAL FRACTURE
9	5357-58	<0.01	3.1	40.0	54.9	SHALE, SANDY VERTICAL FRACTURE
10	5358-59	<0.01	8.2	51.2	46.3	SHALE, SANDY VERTICAL FRACTURE
11	5359-60	0.01	7.7	51.7	42.1	SHALE, SANDY
12	5360-61	<0.01	6.7	46.3	52.3	SHALE, SANDY
13	5361-62	<0.01	5.2	36.6	59.5	SHALE, SANDY
14	5362-63	0.03	2.9	17.2	65.6	SANDSTONE
15	5363-64	0.07	3.2	37.6	37.6	SANDSTONE
16	5364-65	2.7	6.3	27.6	14.1	SANDSTONE
17	5365-66	0.38	8.8	45.5	27.5	SANDSTONE
18	5366-67	28	13.2	14.3	28.8	SANDSTONE, VERTICAL FRACTURE
19	5367-68	2.7	11.3	14.3	14.3	SANDSTONE VERTICAL FRACTURE
20	5368-69	0.73	2.6	26.9	30.7	SANDSTONE VERTICAL FRACTURE
21	5369-70	0.01	3.7	27.2	32.2	SANDSTONE VERTICAL FRACTURE

5349-5362 This interval is essentially non-productive.

5362-5368 This interval has characteristics normally associated with an oil productive zone. It is interpreted to be capable of producing oil after successful formation treatment. The average characteristics of this interval are as follows: Permeability, 8.9 md/ft average; Porosity 6.9% average; Residual Oil Saturation, 26.8% average; Total Water Saturation 22.1% average.

5368-5370 This interval is essentially non-productive.