

EXHIBIT NO. 10

COMPANY: Amerada Petroleum Corporation
WELL: Jicarilla Apache B No. 4

SE/ SE, Section 19, Township 24 North, Range 5 West
Rio Arriba County, New Mexico

Pictured Cliffs Formation Core Data

Pictured Cliffs Perforated 2217-2243

Depth	Sample Footage (ft)	Horizontal Permeability (md)
2219-2220	1	1.76
2220-2221	1	0.21
2221-2222	1	0.21
2222-2223	1	1.20
2223-2224	1	0.72
2224-2225	1	0.47
2225-2226	1	0.55
2226-2227	1	0.38
2227-2228	1	0.55
2228-2229	1	0.47
2229-2230	1	1.20
2230-2231	1	0.85
2231-2232	1	0.00
2232-2233	1	0.00
2233-2234	1	0.00
2234-2235	1	0.00
2235-2236	1	0.00
2236-2237	1	0.00
2237-2238	1	0.00
2238-2239	1	0.00
2239-2240	1	0.00
2240-2241	1	0.00
2241-2242	1	0.00
2242-2243	1	0.00
	<u>24</u>	<u>8.57</u>

Average laboratory permeability = $\frac{8.57}{24}$ = 0.36 md

12

8.57

COMPANY AMERADA PETROLEUM CORPORATION DATE ON 9/19/55 FILE NO. RP-3-197 F
WELL JICARILLA APACHE NO. B-4 DATE OFF 9/19/55 ENGRS. WJC
FIELD WILDCAT FORMATION PICTURED CLIFFS ELEV. 6618' KB
COUNTY RIO ARRIBA STATEN NEW MEXICO DRLG. FLD. DIESEL CORES DIAMOND
LOCATION 990' PSL, 990' FEL, SEC. 19-24N-5W REMARKS SERVICE NO. 4



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 representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

TABULAR DATA and INTERPRETATION

SAMPLE NUMBER	DEPTH FEET	PERM MD. AIR	POROSITY % OIL	RESIDUAL SATURATION % PORE SPACE		CHLORIDE PPM	PROB.
				OIL	TOTAL WATER		
1	2219.5	1.76	17.4	10.4	51.1		GAS
2	20.5	0.21	11.3	5.3	69.9		GAS
3	21.5	0.21	17.5	3.4	82.9		GAS
4	22.5	1.20	23.4	9.0	52.6		GAS
5	23.5	0.72	21.4	2.8	75.3	12,600	GAS
6	24.5	0.47	16.1	0.0	85.1		GAS
7	25.5	0.55	18.7	3.2	63.8		GAS
8	26.5	0.38	17.8	3.4	77.0		GAS
9	27.5	0.55	16.7	0.0	79.7		GAS
10	28.5	0.47	22.0	6.8	57.7		GAS
11	29.5	1.20	21.8	6.4	51.9		GAS
12	30.5	0.85	20.4	4.4	62.9		GAS
13	31.5	0.0	9.3	0.0	83.9		
14	32.5	0.0	14.7	0.0	87.8		
15	33.5	0.0	8.2	0.0	83.0	9,120	
16	34.5	0.0	16.6	5.4	85.5		
17	35.5	0.0	13.6	0.0	89.0		
18	36.5	0.0	12.2	0.0	93.5		
19	37.5	0.0	18.3	3.3	85.9		
20	38.5	0.0	16.3	0.0	80.0		
21	39.5	0.0	16.0	3.4	80.6		
22	40.5	0.0	15.4	3.9	80.0		
23	41.5	0.0	15.9	0.0	86.9		
24	2242.5	0.0	13.6	0.0	89.8		

COMPLETION COREGRAPH

PERMEABILITY 
MILLIDARCS
40 30 20 10 0

TOTAL WATER 
PERCENT PORE SPACE
80 60 40

POROSITY X---X
PERCENT
40 30 20 10 0

OIL SATURATION X
PERCENT PORE SPACE
0 20 40 60 8

