

EXHIBIT NO. 19

SUMMARY OF CORE PERMEABILITY DATA

Well Name	Location	Total Sample Footage (ft)	Total Laboratory Permeability (md)	Average Laboratory Permeability (md)
1. Amoco Production Company Jicarilla 358 No. 6	SW/NE Section 6 T22N, R2W	12	29.55	2.46
2. Mobil Producing Texas and New Mexico Jicarilla A No. 1	SW/SE Section 18 T23N, R2W	16	3.44	0.22
3. Amerada Hess Corporation Jicarilla B-4	SE/SE Section 19 T24N, R5W	24	8.57	0.36
4. Amerada Hess Corporation Jicarilla F-5	NW/SE Section 16 T25N, R5W	41	1.88	0.05
*5. Conoco, Inc. Jicarilla Apache AXI C-1	SW/SW Section 4 T23N, R5W	24	63.29	2.64
**6. Skelly Oil Company Jicarilla D No. 1	SW/SW Section 6 T23N, R4W	44	18.20	0.41
**7. Humble Oil and Refining Jicarilla D-1	NW/NW Section 17 T24N, R4W	60	0.25	0.00
**8. Pure Oil Company Jicarilla #31	NE/SW Section 25 T24N, R4W	58	1.34	0.02
**9. Amerada Hess Corporation Jicarilla Apache A-3	SE/SW Section 23 T25N, R5W	40	0.04	0.00

* - Well not used in average, "sweet spot" well.

** - Well not used in average, dry hole.

TOTAL (only wells 1 through 4 used, see report)

93

43.44

$$\text{Average laboratory permeability} = \frac{43.44}{93} = 0.47 \text{ md}$$

$$\text{Average In situ permeability (2\% of laboratory permeability)} = 0.009 \text{ md}$$