

APPENDIX 1

PERMEABILITY DATA FROM TESTS OF CORE SAMPLES FROM THE KGS #1 JONES, KENYON #1, AND GAYDUSAK WII

Depth	k _h (md)	k _v (md)	Formation	Test Hole	Grain Size
75.4	200		Dakota	Jones	Fine
75.7	790		Dakota	Jones	Fine
76.6		2300	Dakota	Jones	Fine
77	3200	1700	Dakota	Jones	Fine
89.2		4400	Dakota	Jones	Fine
90.1	5000	5100	Dakota	Jones	Fine
90.7		3800	Dakota	Jones	Fine
92	24000	18000	Dakota	Jones	Fine
94.2		2600	Dakota	Jones	V. Fine
94.3	2500		Dakota	Jones	V. Fine
94.8	2300		Dakota	Jones	V. Fine
95		1500	Dakota	Jones	V. Fine
95.3	5900	460	Dakota	Jones	V. Fine
95.5	4600		Dakota	Jones	V. Fine
96		1600	Dakota	Jones	V. Fine
96.7	870	1400	Dakota	Jones	V. Fine
97.1	1700	1500	Dakota	Jones	V. Fine
97.3	1300	1500	Dakota	Jones	V. Fine
97.6	1500		Dakota	Jones	V. Fine
97.9		930	Dakota	Jones	V. Fine
98.5		790	Dakota	Jones	V. Fine
98.7	1300	450	Dakota	Jones	V. Fine
99	450	1100	Dakota	Jones	V. Fine
99.2	660		Dakota	Jones	V. Fine
99.4		1000	Dakota	Jones	V. Fine
99.6	470	180	Dakota	Jones	V. Fine
147		620	Dakota	Jones	Fine
150	1100		Dakota	Jones	Fine
172.9	18000		Dakota	Jones	Fine
173.4		1100	Dakota	Jones	Fine
173.5	10000	1500	Dakota	Jones	Fine
187.3		7000	Dakota	Jones	Fine
187.6	12000	2200	Dakota	Jones	Fine
188.9	23000		Dakota	Jones	Fine
189.1	15000		Dakota	Jones	Fine
196.4	19000	3400	Dakota	Jones	Fine
197		8000	Dakota	Jones	Fine
197.5	18000	6900	Dakota	Jones	Fine
199	9300	3800	Dakota	Jones	Fine
218	550	360	Dakota	Jones	Fine
219	20000	9800	Dakota	Jones	Fine
219.7	18000	13000	Dakota	Jones	Fine
220.1	29000	18000	Dakota	Jones	Fine

Depth	k _h (md)	k _v (md)	Formation	Test Hole	Grain Size
220.5	20000	5400	Dakota	Jones	Fine
227.8	47000	42000	Dakota	Jones	Medium
228	35000	21000	Dakota	Jones	Medium
296		3300	Kiowa	Jones	Fine
341	220	260	Kiowa	Jones	Fine
342.8	1600	530	Kiowa	Jones	Fine
342.9		94	Kiowa	Jones	Fine
343	920	250	Kiowa	Jones	Fine
344	2300	360	Kiowa	Jones	Fine
345.3	2400	1100	Kiowa	Jones	Fine
348.2	730	370	Kiowa	Jones	Fine
348.7	140	840	Kiowa	Jones	Fine
349	820	520	Kiowa	Jones	Fine
349.7	690	200	Kiowa	Jones	Fine
350.6	1700	640	Kiowa	Jones	Fine
351		690	Kiowa	Jones	Fine
375.5	15000	1300	Kiowa	Jones	Fine
383.6		2700	Kiowa	Jones	Fine
384.3	610		Kiowa	Jones	Fine
384.8	12000		Kiowa	Jones	Fine
384.9	4600	4200	Kiowa	Jones	Fine
385	4000	2800	Kiowa	Jones	Fine
387.5		14000	Kiowa	Jones	Medium
388.3	5100		Kiowa	Jones	Medium
391.5	17000	3800	Kiowa	Jones	Fine
393.7	21000	14000	Kiowa	Jones	Fine
393.9	17000	3700	Kiowa	Jones	Fine
394.3	9400	880	Kiowa	Jones	Fine
394.7	25000	5400	Kiowa	Jones	Fine
395.2	36000	5300	Kiowa	Jones	Fine
395.5	27000	11000	Kiowa	Jones	Fine
395.8	26000	16000	Kiowa	Jones	Fine
396	20000	9500	Kiowa	Jones	Fine
396.5	9000	7300	Kiowa	Jones	Fine
396.8	24000	11000	Kiowa	Jones	Fine
397.1	24000	9300	Kiowa	Jones	Fine
399.4	26000	9600	Kiowa	Jones	Fine
400.3	10000	8400	Kiowa	Jones	Fine
400.4	18000	7400	Kiowa	Jones	Fine
402.2	11000	6000	Kiowa	Jones	Fine
402.7	15000	7300	Kiowa	Jones	Fine
408.3	19000	8600	Kiowa	Jones	Fine
408.5		7000	Kiowa	Jones	Fine
408.6	38000		Kiowa	Jones	Fine
408.7	55000	14000	Kiowa	Jones	Medium
408.9	80000	18000	Kiowa	Jones	Medium
410.1	37000	4800	Kiowa	Jones	Fine
412.7		13	Kiowa	Jones	V. Fine
415	1000	2500	Kiowa	Jones	Fine
416	4600	1400	Kiowa	Jones	Fine
416.5	2200	800	Kiowa	Jones	Fine

Depth	kh (md)	kv (md)	Formation	Test Hole	Grain Size
417	13000	1500	Kiowa	Jones	Fine
417.2	3000	2100	Kiowa	Jones	Fine
419	4600	580	Kiowa	Jones	Fine
419.2	5900	690	Kiowa	Jones	Fine
419.8		2900	Kiowa	Jones	Fine
421.9	6700	1700	Kiowa	Jones	Fine
422.1	2800	3400	Kiowa	Jones	Fine
422.5	2400	970	Kiowa	Jones	Fine
422.7	6500	2700	Kiowa	Jones	Fine
422.9	5300	2700	Kiowa	Jones	Fine
423.5	3700	810	Kiowa	Jones	Fine
425	7600	3600	Kiowa	Jones	Fine
425.4	1900	3000	Kiowa	Jones	Fine
425.7	14000	2900	Kiowa	Jones	Fine
426.3	8900	2000	Kiowa	Jones	Fine
426.5	19000		Kiowa	Jones	Fine
426.6		2600	Kiowa	Jones	Fine
427	19000	2400	Kiowa	Jones	Fine
428.3	10000	4500	Kiowa	Jones	Fine
435		1400	Kiowa	Jones	Fine
350.1		41	Dakota	Gaydusak	Fine-V. Fine
350.8	2300		Dakota	Gaydusak	Fine
353	1600		Dakota	Gaydusak	V. Fine
397	64000	21000	Dakota	Gaydusak	Medium
402.5		400	Dakota	Gaydusak	Medium
415.2		22	Kiowa	Gaydusak	Fine
426.2		420	Kiowa	Gaydusak	Fine
442		370	Kiowa	Gaydusak	Med-Fine
137.4	1000	490	Dakota	Kenyon	Fine-V. Fine
184.7	61	59	Dakota	Kenyon	V. Fine
320	1600		Dakota	Kenyon	Med-Fine
401	52000	9100	Dakota	Kenyon	Medium
401.2		11000	Dakota	Kenyon	Medium
401.5		7000	Dakota	Kenyon	Medium
402		1600	Dakota	Kenyon	Medium
443.9		240	Kiowa	Kenyon	Fine
444		550	Kiowa	Kenyon	Fine
452.6	21000	5000	Kiowa	Kenyon	Fine
453.1		11000	Kiowa	Kenyon	Fine
457.7	870	510	Kiowa	Kenyon	Fine
458.5	2100	160	Kiowa	Kenyon	Fine
468.1		2400	Kiowa	Kenyon	Med-Fine
472	7700	3500	Kiowa	Kenyon	Med-Fine
495.5		3500	Kiowa	Kenyon	Fine
352.6	1600		Kiowa	Gaydusak	V. Fine
405		910	Dakota	Kenyon	Medium
405.5		190	Dakota	Kenyon	Medium
406		1100	Dakota	Kenyon	Medium
408		64	Dakota	Kenyon	Medium
442	980		Kiowa	Kenyon	Fine
442.2		610	Kiowa	Kenyon	Fine