Table OP-9 Drawdown Ratios between HJ, FG, and KM Horizons at End of Mine Unit 1 Pump Tests

HJ Well	Drawdown	FG Well	Drawdown	KM Well	Drawdown	HJ/FG Drawdown Ratio	HJ/ KM Drawdown Ratio
PW-102 <sup>(1)</sup>	111.1	-	-	-	-	-	-
HJMP-101	30.7	HJMO-101	0.69	HJMU-101	0.7	44.5	43.2
HJMP-104	40.0	HJMO-104	0.78	HJMU-104	2.0	51.3	19.8
HJMP-105	37.3	HJMO-105	0.91	HJMU-105	1.8	41.0	20.6
HJMP-108	27.0	HJMO-108	0.10 (2)	HJMU-108	0.5	NA	52.8
HJMP-110	23.6	HJMO-110	0.44	HJMU-110	0.5	53.7	43.8
LC19M	28.8	LC18M	0.48	LC20M	0.6	60.1	51.5
MP-105	20.0	MO-105	0.33	MU-105	0.3	60.5	62.4
MP-106	30.8	MO-106	0.95	MU-106	0.9	32.4	32.7
MP-107	48.6	MO-107	1.23	MU-107	2.1	39.5	23.2
MP-108	40.3	MO-108	1.06	MU-108	24.7 <sup>(3)</sup>	38.0	NA
MP-110	25.7	MO-110	0.66	MU-110	0.6	39.0	42.2
MP-111	22.8	MO-111	0.51	MU-111	0.6	44.7	35.6
MP-112	18.3	MO-112	0.10 (2)	MU-112	0.4	NA	48.2
						40.0	20.7
UKMO-102	12.8	MO-115	0.70	UKMP-102	0.4	18.3	33.7
UKMO-102	12.8	MO-115	0.70	UKMP-102  Average North Signature		18.3 43.6	33.7 39.2
South Test	12.8	MO-115	0.70			1	
!	12.8	MO-115	0.70			43.6	39.2
!	12.8  Drawdown	MO-115	0.70			1	
South Test				Average North Sig	de	43.6 HJ/FG	39.2 HJ/ KM
South Test	Drawdown			Average North Sig	de	43.6 HJ/FG	39.2 HJ/ KM
South Test  HJ Well  PW-101 (4)	Drawdown 63.5	FG Well	Drawdown -	Average North Sid	Drawdown	43.6  HJ/FG  Drawdown Ratio	39.2  HJ/ KM  Drawdown Ratio
HJ Well PW-101 (4) UKMO-101	Drawdown 63.5 17.4	FG Well - MO-114	Drawdown - 1.92	KM Well - UKMP-101	Drawdown - 0.4	HJ/FG Drawdown Ratio - 9.0	HJ/ KM Drawdown Ratio
HJ Well PW-101 (4) UKMO-101 MP-113	Drawdown 63.5 17.4 7.2	FG Well - MO-114 MO-113	Drawdown - 1.92 0.01 (2)	KM Well  -  UKMP-101  MU-113	Drawdown - 0.4 0.7	HJ/FG Drawdown Ratio - 9.0 NA	HJ/ KM Drawdown Ratio - 48.7 10.9
HJ Well PW-101 (4) UKMO-101 MP-113 MP-109	Drawdown 63.5 17.4 7.2 18.7	FG Well - MO-114 MO-113 MO-109	Drawdown - 1.92 0.01 (2) 0.06 (2)	KM Well - UKMP-101 MU-113 MU-109	Drawdown - 0.4 0.7 3.8	HJ/FG Drawdown Ratio  - 9.0 NA NA	HJ/ KM Drawdown Ratio - 48.7 10.9
HJ Well PW-101 (4) UKMO-101 MP-113 MP-109 MP-104	Drawdown 63.5 17.4 7.2 18.7 48.1	FG Well - MO-114 MO-113 MO-109 MO-104	Drawdown - 1.92 0.01 (2) 0.06 (2) 0.77	KM Well - UKMP-101 MU-113 MU-109 MU-103	Drawdown 0.4 - 0.7 - 3.8 - 1.3	HJ/FG Drawdown Ratio  - 9.0 NA NA 62.6	HJ/ KM Drawdown Ratio - 48.7 10.9 4.9 35.7
HJ Well PW-101 (4) UKMO-101 MP-113 MP-109 MP-104 MP-103	Drawdown 63.5 17.4 7.2 18.7 48.1 36.1	FG Well - MO-114 MO-113 MO-109 MO-104 MO-103	Drawdown - 1.92 0.01 (2) 0.06 (2) 0.77 0.31	KM Well - UKMP-101 MU-113 MU-109 MU-103 MU-102	Drawdown	HJ/FG Drawdown Ratio  -  9.0  NA  NA  62.6  114.9	HJ/ KM Drawdown Ratio - 48.7 10.9 4.9 35.7 40.2
HJ Well PW-101 (4) UKMO-101 MP-113 MP-109 MP-104 MP-103 MP-102	Drawdown 63.5 17.4 7.2 18.7 48.1 36.1 19.5	FG Well - MO-114 MO-113 MO-109 MO-104 MO-103 MO-102	Drawdown - 1.92 0.01 (2) 0.06 (2) 0.77 0.31 0.26	KM Well - UKMP-101 MU-113 MU-109 MU-103 MU-102 MU-101	Drawdown	HJ/FG Drawdown Ratio  -  9.0  NA  NA  62.6  114.9  74.8	HJ/ KM Drawdown Ratio - 48.7 10.9 4.9 35.7 40.2 33.8
HJ Well PW-101 (4) UKMO-101 MP-113 MP-109 MP-104 MP-103 MP-102 MP-101	Drawdown 63.5 17.4 7.2 18.7 48.1 36.1 19.5 8.3	FG Well - MO-114 MO-113 MO-109 MO-104 MO-103 MO-102 MO-101	Drawdown - 1.92 0.01 (2) 0.06 (2) 0.77 0.31 0.26 0.03 (2)	KM Well  -  UKMP-101  MU-113  MU-109  MU-103  MU-102  MU-101  LC24M	Drawdown	HJ/FG Drawdown Ratio  - 9.0 NA NA 62.6 114.9 74.8 NA	HJ/ KM Drawdown Ratio - 48.7 10.9 4.9 35.7 40.2 33.8 17.6
HJ Well PW-101 (4) UKMO-101 MP-113 MP-109 MP-104 MP-103 MP-102 MP-101 LC16M	Drawdown 63.5 17.4 7.2 18.7 48.1 36.1 19.5 8.3 29.6	FG Well - MO-114 MO-113 MO-109 MO-104 MO-103 MO-102 MO-101 LC15M	Drawdown - 1.92 0.01 (2) 0.06 (2) 0.77 0.31 0.26 0.03 (2) 0.20	KM Well  -  UKMP-101  MU-113  MU-109  MU-103  MU-102  MU-101  LC24M  LC17M	Drawdown	HJ/FG Drawdown Ratio  -  9.0  NA  NA  62.6  114.9  74.8  NA  147.9	HJ/ KM Drawdown Ratio - 48.7 10.9 4.9 35.7 40.2 33.8 17.6 24.2
HJ Weil PW-101 <sup>(4)</sup> UKMO-101 MP-113 MP-109 MP-104 MP-103 MP-102 MP-101 LC16M HJMP-113	Drawdown 63.5 17.4 7.2 18.7 48.1 36.1 19.5 8.3 29.6 35.3	FG Well - MO-114 MO-113 MO-109 MO-104 MO-103 MO-102 MO-101 LC15M HJMO-113	Drawdown - 1.92 0.01 (2) 0.06 (2) 0.77 0.31 0.26 0.03 (2) 0.20 0.83	KM Well  -  UKMP-101  MU-113  MU-109  MU-103  MU-102  MU-101  LC24M  LC17M  HJMU-113	Drawdown	HJ/FG Drawdown Ratio  -  9.0  NA  NA  62.6  114.9  74.8  NA  147.9  42.6	HJ/ KM Drawdown Ratio - 48.7 10.9 4.9 35.7 40.2 33.8 17.6 24.2 28.7

<sup>(1)</sup> Pumping Well Used for North Test

<sup>(2)</sup> Wells that recorded drawdown of 0.1 ft or less at the end of the pumping tests were not used in the calculations

<sup>(3)</sup> Large drawdown was the result of improperly completed borehole, well was later abandoned Retesting confirmed plugging of borehole was successful. Data not used for calculating ratios

<sup>(4)</sup> Pumping Well used for South Test