

RECORD OF WATER PRESSURE TEST

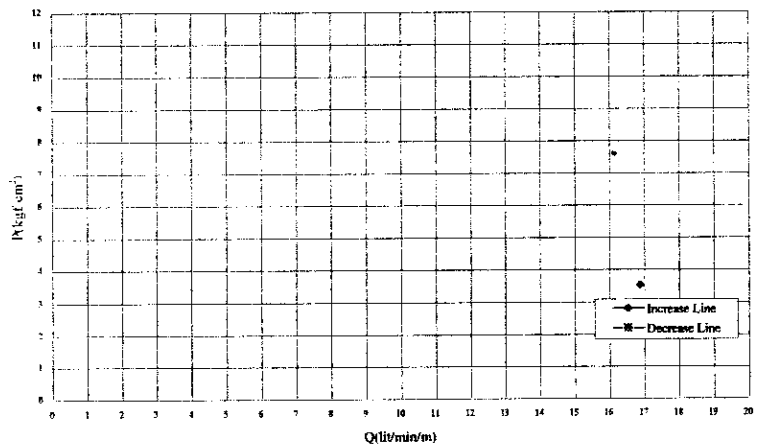
Project	WRDMM	Bore Hole No.	BH LD-1	Date	4/30/2002
Depth (m)	(30.00 - 35.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	35.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	35.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	31.00 m	cm (φ)			
Length (m) and Diameter (cm) of Hose	10.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
0.0	80	85	85	85	80	84.38	16.88	3520	3520	0	3.52

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

L _u =	-	P _c =	-
L _w =	Water Inflow		

P-Q Curve



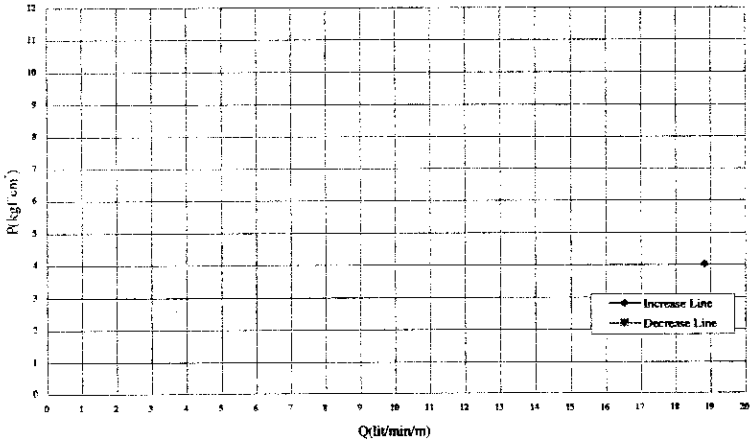
Project	WRDMM	Bore Hole No.	BH LD-1	Date	4/30/2002
Depth (m)	(35.00 - 40.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	40.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	40.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	36.00 m	cm (φ)			
Length (m) and Diameter (cm) of Hose	10.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
0.0	98	98	95	95	95	94.13	18.83	4020	4020	0	4.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

L _u =	-	P _c =	-
L _w =	Water Inflow		

P-Q Curve



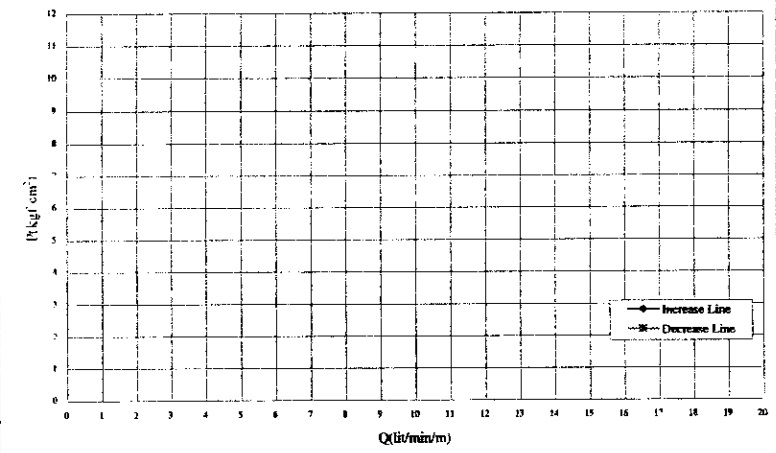
RECORD OF WATER PRESSURE TEST

Project		Bore Hole No.		Date							
WRDMM		BH LD-1		5/1/2002							
Depth (m)	Test Length (m)	Hole Radius (cm)									
(45.00 - 50.00)	5.00	5.00									
G.W.L. before day's work (m)	Pressure gauge height (m) : C/100	Packer NQ size (cm)									
45.00	0.20	HQ									
G.W.L. before testing (m) : B/100	Length (m) and Diameter (cm) of Rod		Length (m) and Diameter (cm) of Hose								
45.00	41.00 m		10.00 m								
		2.54 cm (φ)		2.54 cm (φ)							
Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow

P-Q Curve

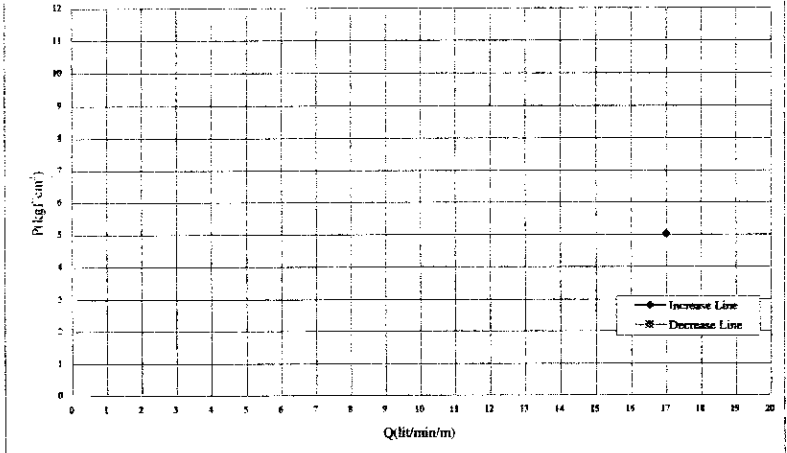


Project		Bore Hole No.		Date							
WRDMM		BH LD-1		5/3/2002							
Depth (m)	Test Length (m)	Hole Radius (cm)									
(45.00 - 50.00)	5.00	5.00									
G.W.L. before day's work (m)	Pressure gauge height (m) : C/100	Packer NQ size (cm)									
50.00	0.20	HQ									
G.W.L. before testing (m) : B/100	Length (m) and Diameter (cm) of Rod		Length (m) and Diameter (cm) of Hose								
50.00	46.00 m		10.00 m								
		2.54 cm (φ)		2.54 cm (φ)							
Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
0.0	85	85	85	85	85	85.00	17.00	5020	5020	0	5.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow

P-Q Curve



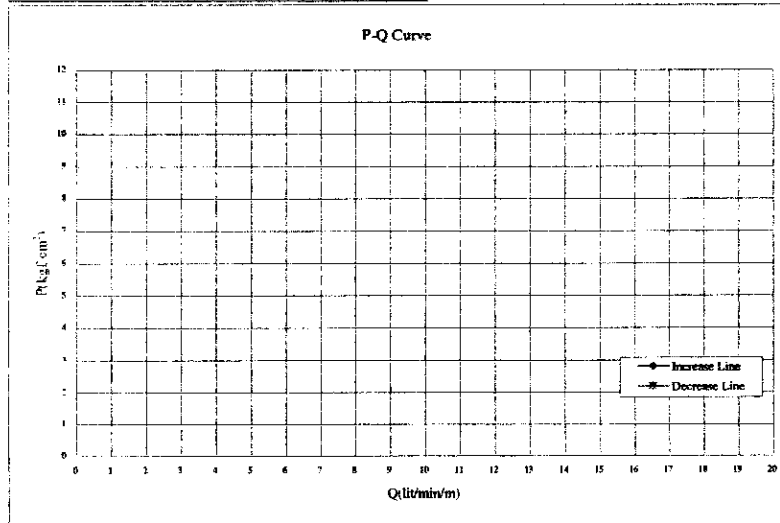
G2-33

RECORD OF WATER PRESSURE TEST

Project		Bore Hole No.	BH LD-1	Date							
WRDMM				4/4/2002							
Depth (m)	(30.00 - 34.85)	Test Length (m)	4.85	Hole Radius (cm)							
G.W.L. before day's work (m)	54.85	Pressure gauge height (m) : C/100	0.20								
G.W.L. before testing (m) : B/100	54.85	Packer NQ size (cm)	HQ								
Length (m) and Diameter (cm) of Rod	51.00 m		cm (φ)								
Length (m) and Diameter (cm) of Hose	10.00 m		2.54 cm (φ)								
Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

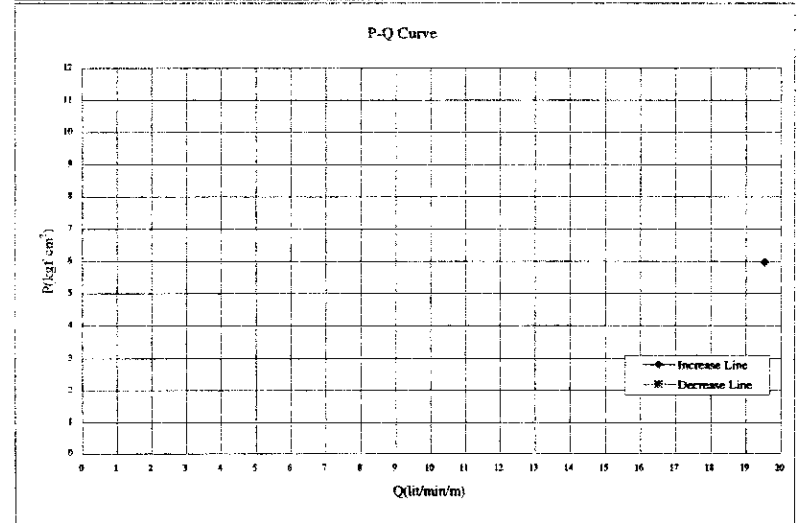
Lq= - Pc= -
Lu= Water Inflow



Project		Bore Hole No.	BH LD-1	Date							
WRDMM				5/7/2002							
Depth (m)	(35.00 - 39.35)	Test Length (m)	4.35	Hole Radius (cm)							
G.W.L. before day's work (m)	59.35	Pressure gauge height (m) : C/100	0.20								
G.W.L. before testing (m) : B/100	59.35	Packer NQ size (cm)	HQ								
Length (m) and Diameter (cm) of Rod	56.00 m		cm (φ)								
Length (m) and Diameter (cm) of Hose	10.00 m		2.54 cm (φ)								
Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
0.0	80	85	85	85	85	85.00	19.54	5955	5955	0	5.96

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lq= - Pc= -
Lu= Water Inflow



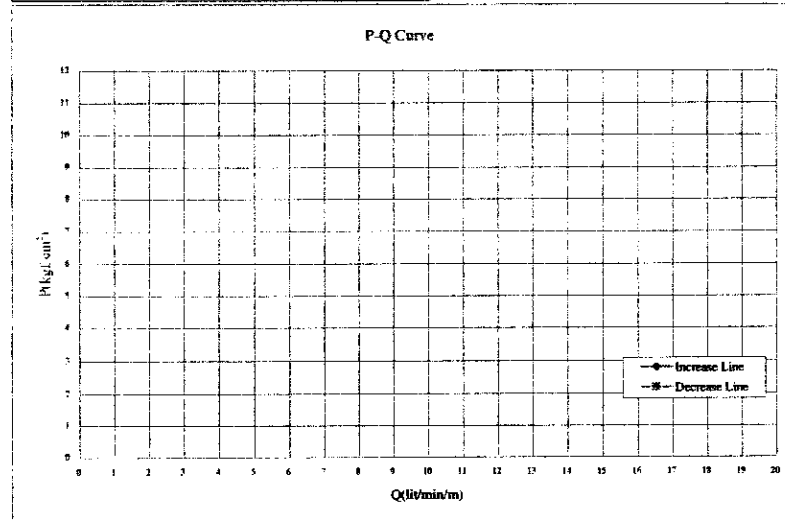
RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/3/2002
Depth (m)	(65.00 - 65.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	65.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	65.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	61.00 m	cm (φ)			
Length (m) and Diameter (cm) of Hose	10.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
 Lu= Water Inflow

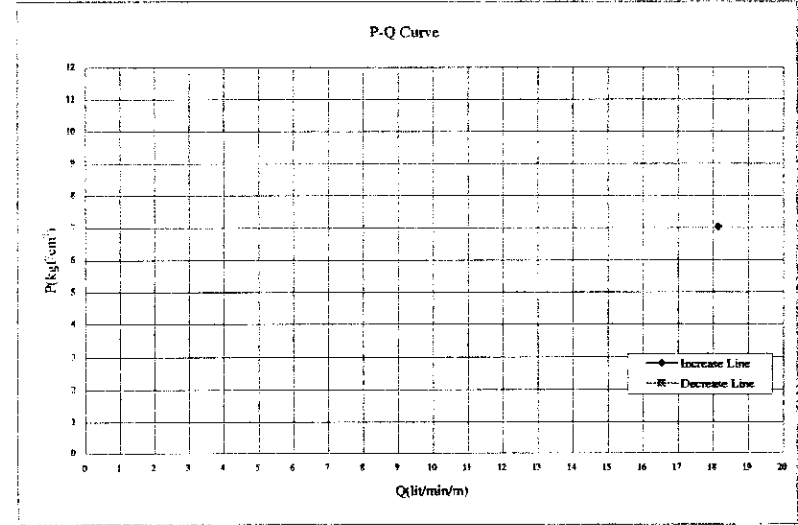


Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/7/2002
Depth (m)	(70.00 - 70.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	70.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	70.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	60.00 m	cm (φ)			
Length (m) and Diameter (cm) of Hose	10.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
0.0	90	90	91	91	91	90.75	18.15	7020	7020	0	7.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
 Lu= Water Inflow



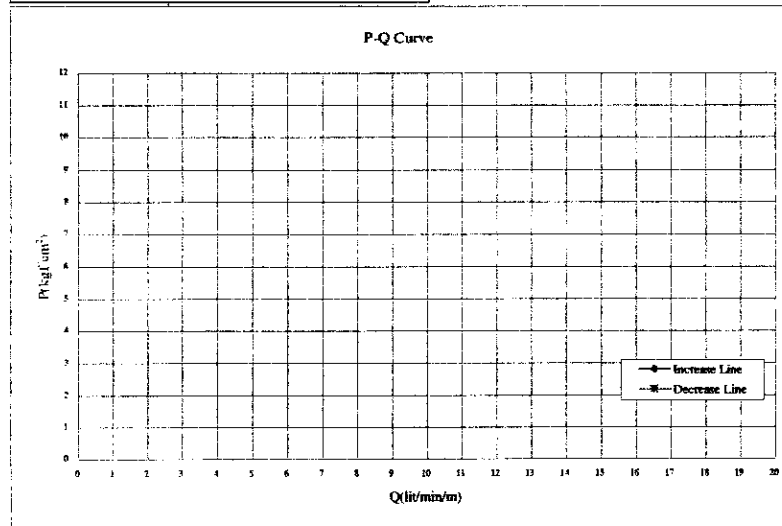
G2-35

RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/13/2002						
Depth (m)	(75.00 - 75.00)	Test Length (m)	5.00	Hole Radius (cm)							
G.W.L. before day's work (m)	75.00	Pressure gauge height (m) : C/100	0.20								
G.W.L. before testing (m) : B/100	75.00	Packer NQ size (cm)	HQ								
Length (m) and Diameter (cm) of Rod	71.00 m			cm (φ)							
Length (m) and Diameter (cm) of Hose	10.00 m		2.54	cm (φ)							
Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

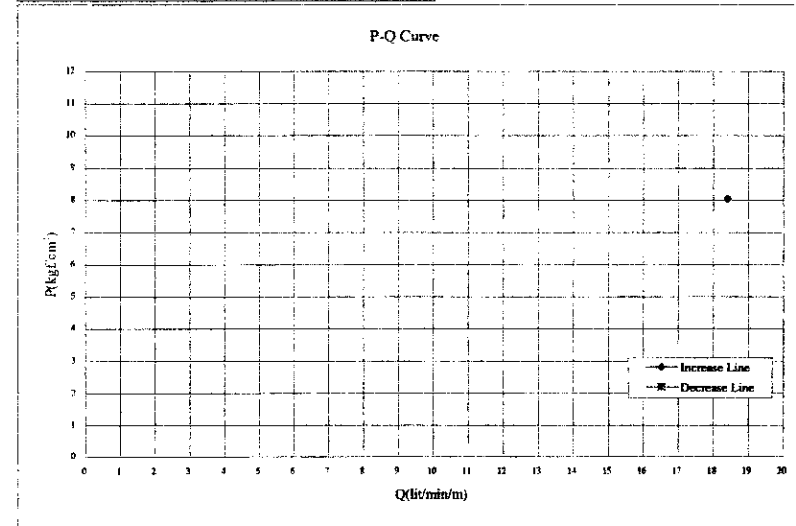
Lu= - Pc= -
Lu= Water Inflow



Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/13/2002						
Depth (m)	(80.00 - 80.00)	Test Length (m)	5.00	Hole Radius (cm)							
G.W.L. before day's work (m)	80.00	Pressure gauge height (m) : C/100	0.20								
G.W.L. before testing (m) : B/100	80.00	Packer NQ size (cm)	HQ								
Length (m) and Diameter (cm) of Rod	76.00 m			cm (φ)							
Length (m) and Diameter (cm) of Hose	10.00 m		2.54	cm (φ)							
Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
	89	89	90	90	91						
0.0	91	90	98	98	98	92.13	18.43	8020	8020	0	8.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow



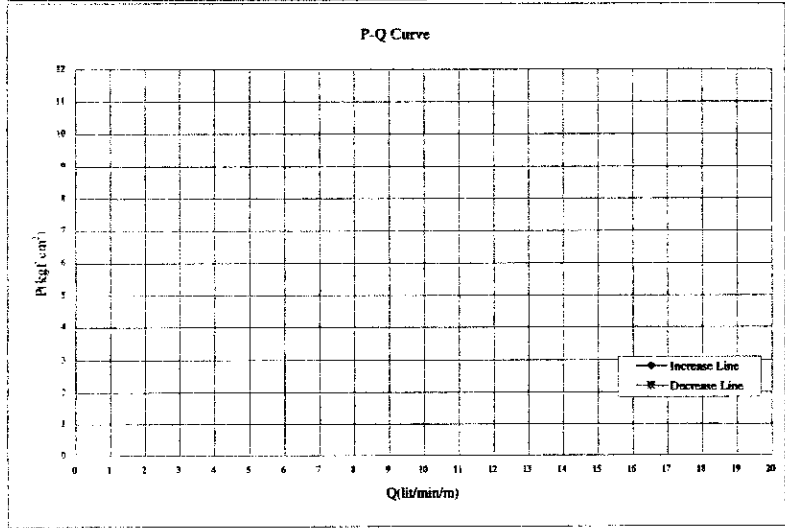
G2-36

RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/14/2002
Depth (m)	(88.00 - 94.70)	Test Length (m)	4.70	Hole Radius (cm)	
G.W.L. before day's work (m)	84.70	Pressure gauge height (m) : C/100			0.20
G.W.L. before testing (m) : B/100	84.70	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	81.00 m			cm (ϕ)	
Length (m) and Diameter (cm) of Hose	10.00 m	2.54		cm (ϕ)	

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	

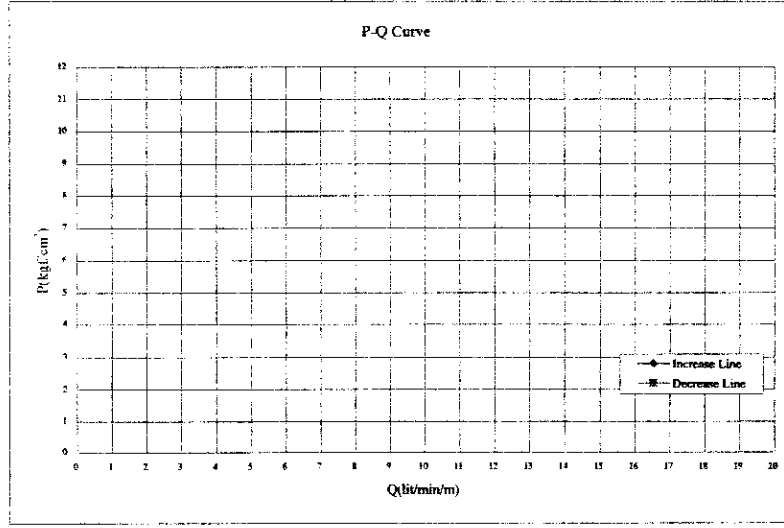
NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION
 Lu = - Pc = -
 Lu = Water Inflow



Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/14/2002
Depth (m)	(85.00 - 90.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	90.00	Pressure gauge height (m) : C/100			0.20
G.W.L. before testing (m) : B/100	90.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	86.00 m			cm (ϕ)	
Length (m) and Diameter (cm) of Hose	10.00 m	2.54		cm (ϕ)	

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION
 Lu = - Pc = -
 Lu = Water Inflow



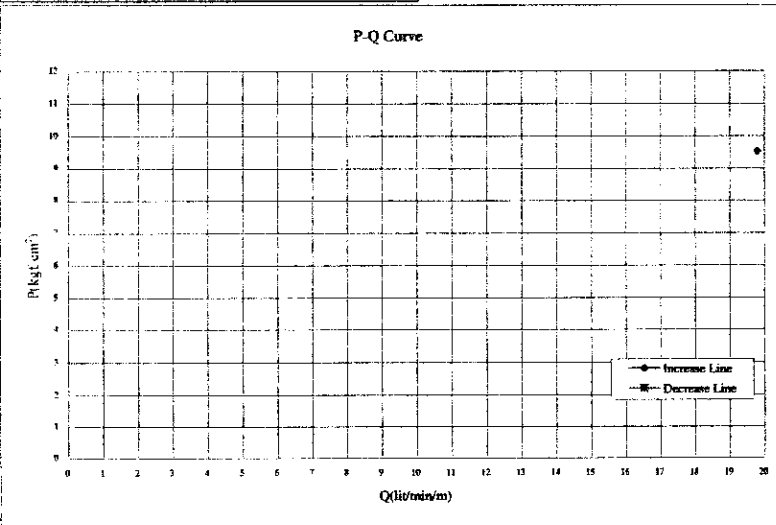
RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-1	Date	5/21/2002
Depth (m)	(95.00 - 95.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	95.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	95.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	91.00 m				
Length (m) and Diameter (cm) of Hose	10.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	H=A+B+C-Hf										
	1	2	3	4	5			H	A+B+C	Hf	
0.0	99	99	99	99	99	99.00	19.80	9520	9520	0	9.52

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow

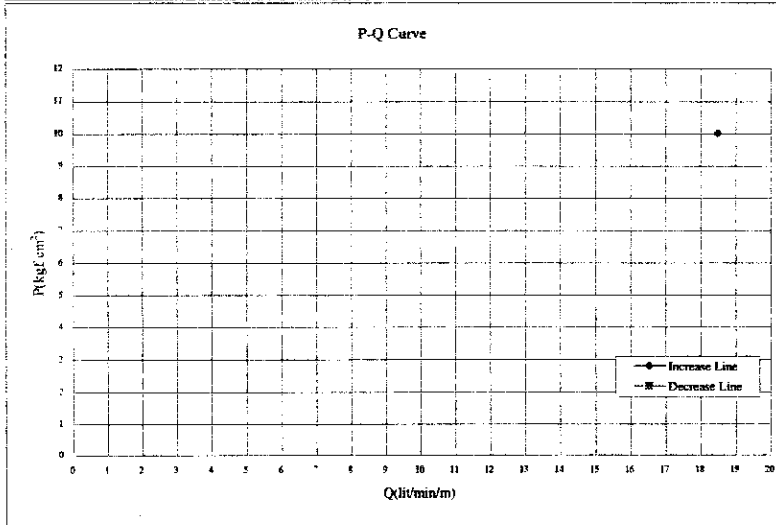


Project	WRDMM	Bore Hole No.	BH LD-1	Date	6/7/2002
Depth (m)	(95.00 - 100.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	100.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	100.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	96.00 m				
Length (m) and Diameter (cm) of Hose	10.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	H=A+B+C-Hf										
	1	2	3	4	5			H	A+B+C	Hf	
0.0	95	95	95	95	95	92.50	18.50	10020	10020	0	10.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow



G2-38

RECORD OF WATER PRESSURE TEST

BH LD-1, 197-110m

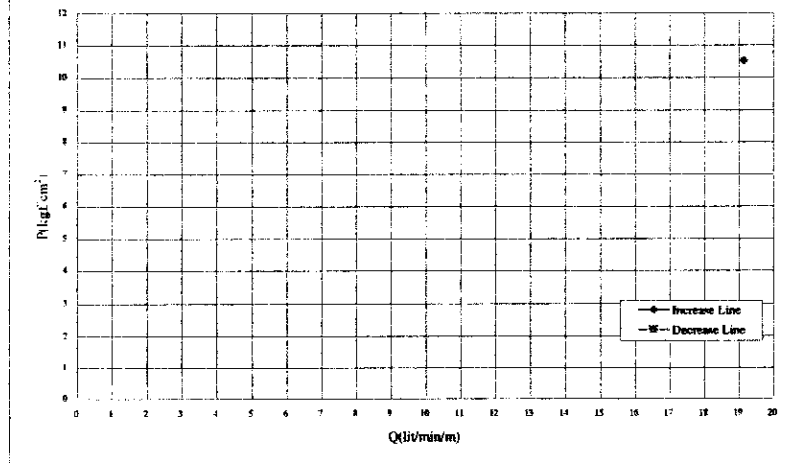
Project	WRDMM	Bore Hole No.	BH LD-1	Date	6/8/2002
Depth (m)	(100.00 - 105.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	105.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	105.00	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	101.00 m		cm (φ)		
Length (m) and Diameter (cm) of Hose	10.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
0.0	95	95	95	98	98	95.75	19.15	10520	10520	0	10.52
	98	95	95	95	95						

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow

P-Q Curve



BH LD-1, 197-110m

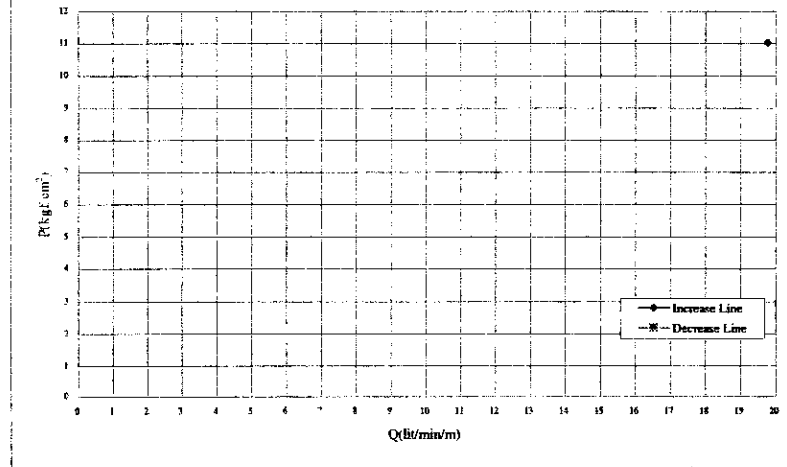
Project	WRDMM	Bore Hole No.	BH LD-1	Date	6/9/2002
Depth (m)	(105.00 - 110.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	110.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	110.00	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	106.00 m		cm (φ)		
Length (m) and Diameter (cm) of Hose	10.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
0.0	99	100	100	95	99	98.86	19.78	11020	11020	0	11.02
	99	99	99	98	98						

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu= - Pc= -
Lu= Water Inflow

P-Q Curve



G2-39

RECORD OF WATER PRESSURE TEST

BH LD-1, 118-119m

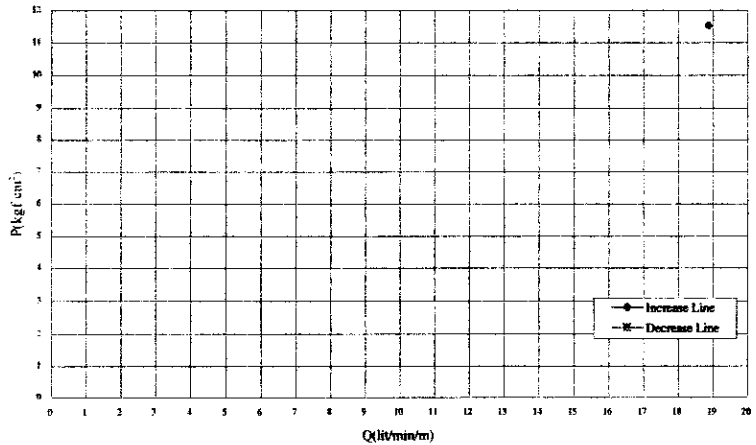
Project	WRDMM	Bore Hole No.	BH LD-1	Date	6/20/2002
Depth (m)	(118.00 - 115.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	115.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	115.00	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	111.00 m			cm (φ)	
Length (m) and Diameter (cm) of Hose	10.00 m	2.54		cm (φ)	

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
0.0	90	90	95	95	95	94.38	18.88	11520	11520	0	11.52

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

L_w = - P_c = -
L_w = Water Inflow

P-Q Curve



BH LD-1, 119-120m

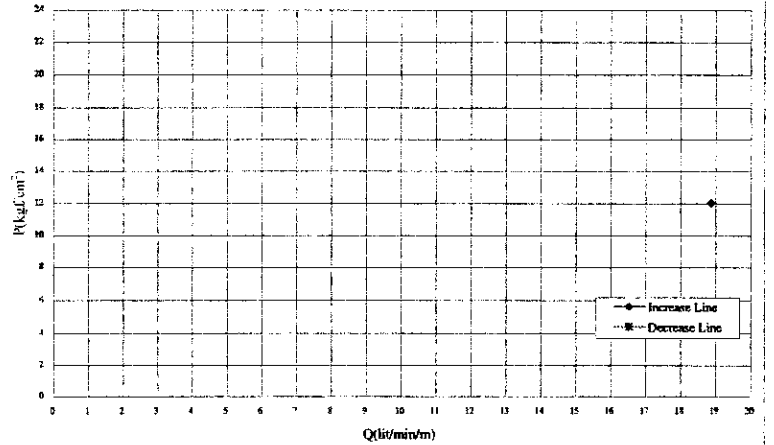
Project	WRDMM	Bore Hole No.	BH LD-1	Date	7/1/2002
Depth (m)	(115.00 - 120.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	120.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	120.00	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	116.00 m			cm (φ)	
Length (m) and Diameter (cm) of Hose	10.00 m	2.54		cm (φ)	

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
0.0	90	90	95	95	95	94.38	18.88	12020	12020	0	12.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

L_w = - P_c = -
L_w = Water Inflow

P-Q Curve



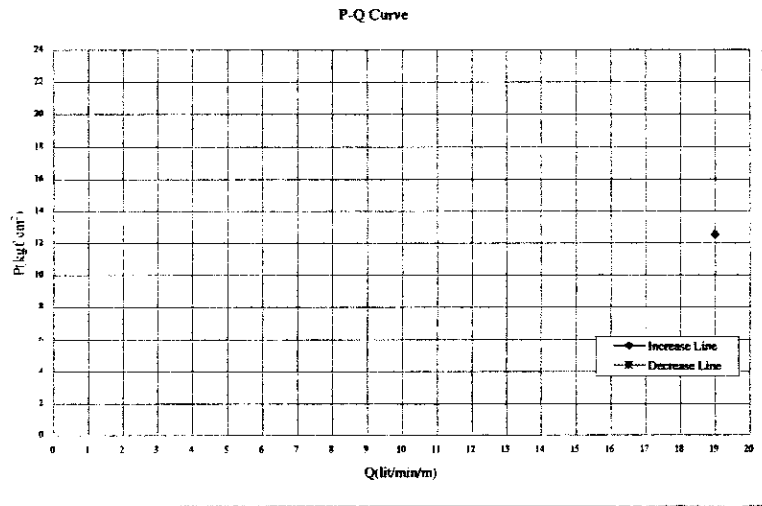
G2-40

RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-1	Date	7/4/2002
Depth (m)	(129.00 - 129.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	125.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	125.00	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	121.00 m	cm (φ)			
Length (m) and Diameter (cm) of Hose	10.00 m	2.54 cm (φ)			
Pressure gauge Reading : A/1000 (kgf/cm ²)	1 2 3 4 5 6 7 8 9 10	Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm) H=A+B+C-Hf H A+B+C Hf	Effective Pressure : P (kgf/cm ²)
0.0	95 95 95 95 95 95 95 95 95 95	95.00	19.00	12520 12520 0	12.52

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

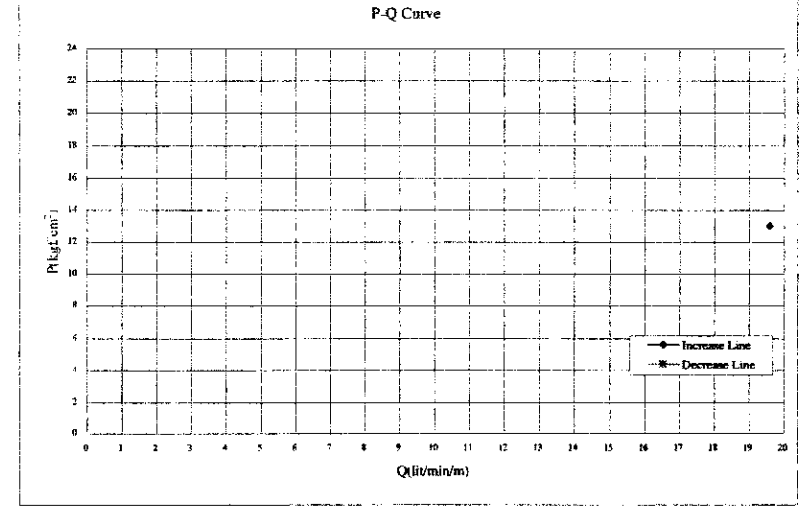
L_u= - P_c= -
L_u= Water Inflow



Project	WRDMM	Bore Hole No.	BH LD-1	Date	7/5/2002
Depth (m)	(129.85 - 129.85)	Test Length (m)	4.85	Hole Radius (cm)	
G.W.L. before day's work (m)	129.85	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	129.85	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	126.00 m	cm (φ)			
Length (m) and Diameter (cm) of Hose	10.00 m	2.54 cm (φ)			
Pressure gauge Reading : A/1000 (kgf/cm ²)	1 2 3 4 5 6 7 8 9 10	Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm) H=A+B+C-Hf H A+B+C Hf	Effective Pressure : P (kgf/cm ²)
0.0	95 95 95 95 95 95 95 95 95 95	95.00	19.59	13005 13005 0	13.01

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

L_u= - P_c= -
L_u= Water Inflow



G2-41

RECORD OF WATER PRESSURE TEST

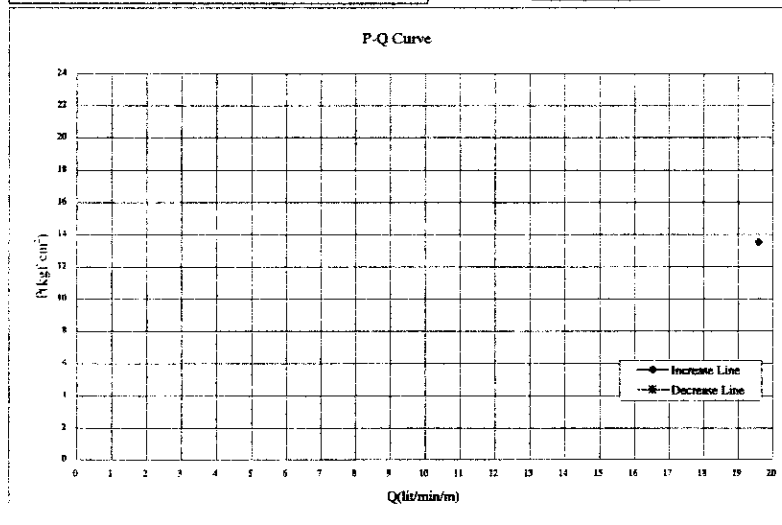
WB(LD-1) 123-1456

Project	WRDMM	Bore Hole No.	BH LD-1	Date	7/27/2002
Depth (m)	(135.00 - 135.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	135.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	135.00	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	131.00 m		cm (ϕ)		
Length (m) and Diameter (cm) of Hose	10.00 m	2.54	cm (ϕ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	H=A+B+C-Hf		
	6	7	8	9	10				A+B+C	Hf	
0.0	95	98	98	98	98	98.00	19.60	13530	13520	0	13.52

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu=	-	Pc=	-
Lul=	Water Inflow		



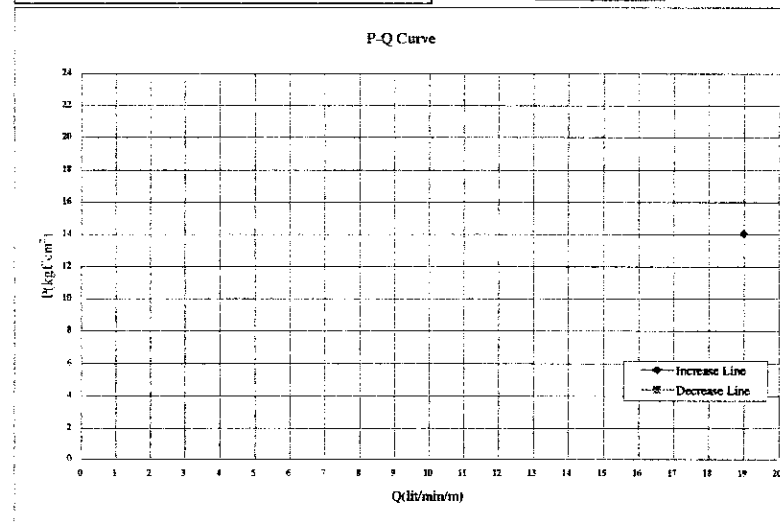
WB(LD-1) 123-1456

Project	WRDMM	Bore Hole No.	BH LD-1	Date	7/29/2002
Depth (m)	(135.00 - 140.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)	140.00	Pressure gauge height (m) : C/100	0.20		
G.W.L. before testing (m) : B/100	140.00	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	136.00 m		cm (ϕ)		
Length (m) and Diameter (cm) of Hose	10.00 m	2.54	cm (ϕ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	H=A+B+C-Hf		
	6	7	8	9	10				A+B+C	Hf	
0.0	95	95	95	95	95	95.00	19.00	14020	14020	0	14.02

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

Lu=	-	Pc=	-
Lul=	Water Inflow		



G2-42

RECORD OF WATER PRESSURE TEST

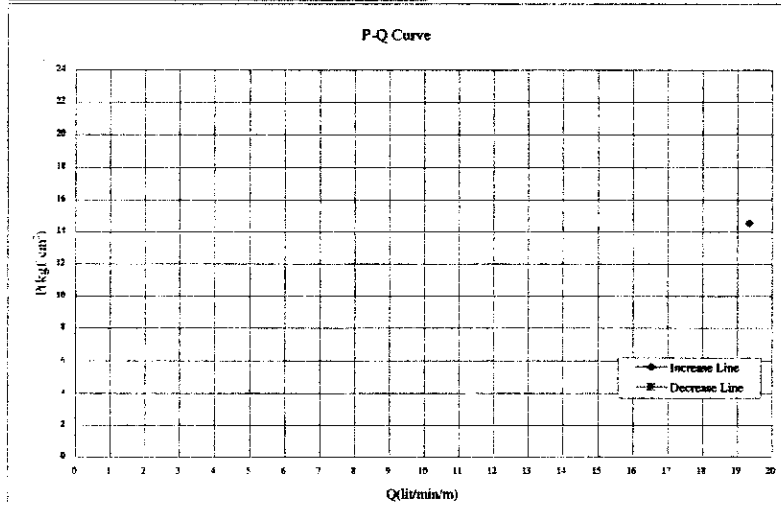
BHPD-1. (R)-1156

Project	WRDMM		Bore Hole No.	BH LD-1		Date	7/30/2002				
Depth (m)	(145.00 - 145.00)		Test Length (m)	5.00		Hole Radius (cm)					
G.W.L. before day's work (m)	145.00		Pressure gauge height (m) : C/100	0.20							
G.W.L. before testing (m) : B/100	145.00		Packer NQ size (cm)	NQ							
Length (m) and Diameter (cm) of Rod	141.00 m		cm (φ)								
Length (m) and Diameter (cm) of Hose	10.00 m		2.54 cm (φ)								
Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
0.0	100	100	98	98	98	96.75	19.35	14520	14520	0	14.52
	95	95	95	95	95						

NOTE: CANNOT BUILD-UP PRESSURE DUE TO CAVERNOUS FORMATION

L ₁ =	-	P _c =	-
L ₂ =	Water Inflow		

G2.43



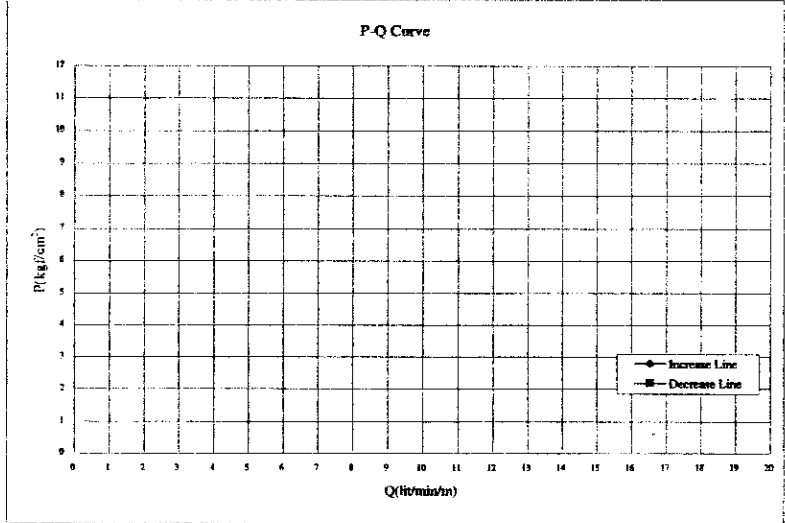
RECORD OF WATER PRESSURE TEST

BH LD-2, 01-07-00

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/15/2002
Depth (m)	(57.00 - 67.00)	Test Length (m)	5.00	Hole Radius (cm)	
G.W.L. before day's work (m)		Pressure gauge height (m) : C/100			
G.W.L. before testing (m) : B/100		Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	65.00 m		cm (φ)		
Length (m) and Diameter (cm) of Hose	90.00 m		cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm) H=A+B+C-Hf			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	

NOTE: PACKER UNABLE TO SEAL TEST ZONE
 Lu= - Pc= -
 Lu= Water Inflow

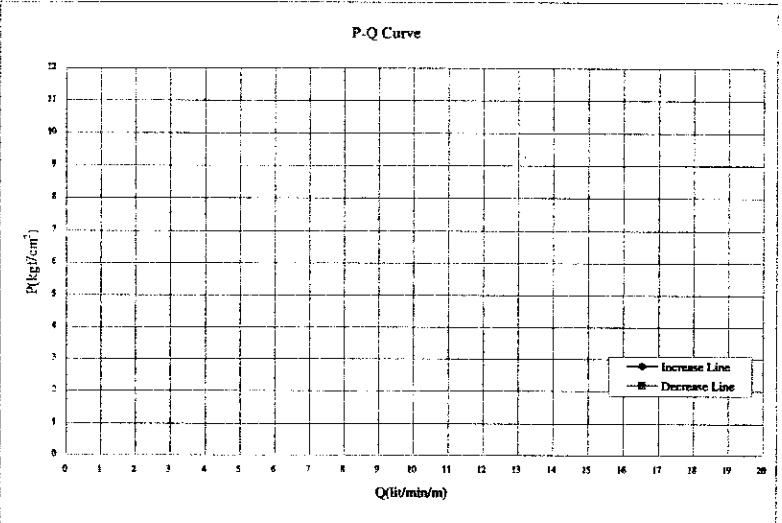


BH LD-2, 01-07-00

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/16/2002
Depth (m)	(67.00 - 72.00)	Test Length (m)	5.00	Hole Radius (cm)	9.60
G.W.L. before day's work (m)		Pressure gauge height (m) : C/100			0.25
G.W.L. before testing (m) : B/100		Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	67.60 m		7.78 cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m		2.54 cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm) H=A+B+C-Hf			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	

NOTE: PACKER UNABLE TO SEAL @ TEST ZONE (67.0-72.0M)
 Lu= - Pc= -
 Lu= Water Inflow



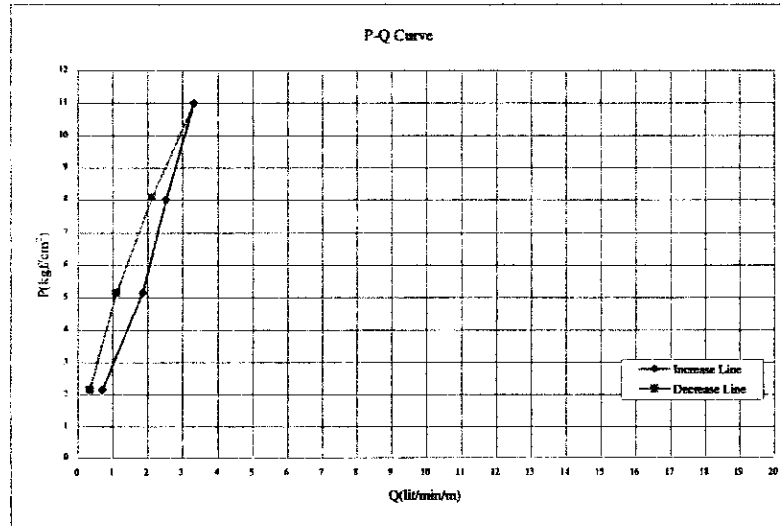
G2-44

RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/16/2002
Depth (m)	(72.00 - 77.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	29.80	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	11.00	Packer NQ size (cm)	7.00 NQ		
Length (m) and Diameter (cm) of Rod	74.60 m	7.78 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
1.0	3	4	4	3	3	3.50	0.70	2150	2150	0	2.15
4.0	10	9	9	9	10	9.25	1.85	5150	5150	0	5.15
7.0	13	13	12	13	13	12.63	2.53	8010	8150	140	8.01
10.0	16	17	17	17	16	16.63	3.33	10990	11150	160	10.99
7.0	10	11	11	11	10	10.63	2.13	8070	8150	80	8.07
4.0	6	5	5	6	6	5.50	1.10	5150	5150	0	5.15
1.0	2	2	2	1	1	1.75	0.35	2150	2150	0	2.15

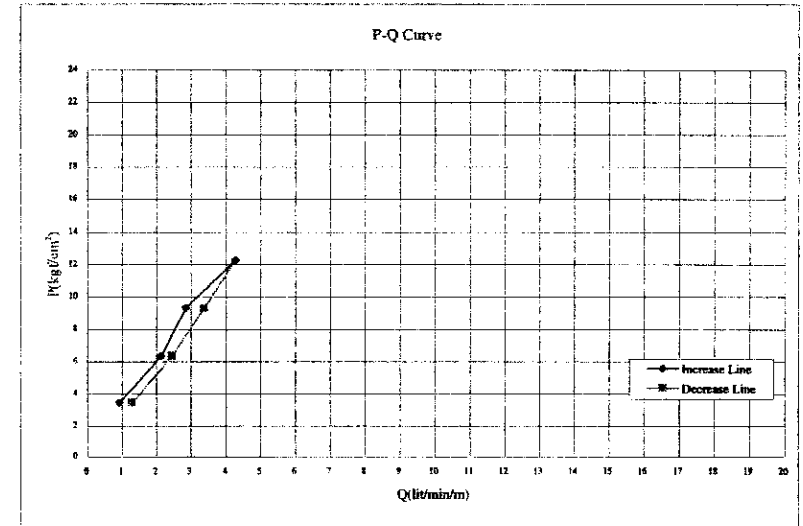
Lu= - Pc= -
Lu= 3.7



Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/17/2002
Depth (m)	(77.00 - 82.00)	Test Length (m)	5.00	Hole Radius (cm)	9.60
G.W.L. before day's work (m)	27.35	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	24.20	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	77.60 m	7.78 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	0.25 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
1.0	4	4	5	4	5	4.63	0.93	3445	3445	0	3.45
4.0	11	11	11	10	11	10.75	2.15	6355	6445	90	6.36
7.0	15	15	14	14	15	14.25	2.85	9325	9445	120	9.33
10.0	21	21	22	21	21	21.38	4.28	12275	12445	170	12.28
7.0	17	17	18	17	17	16.88	3.38	9305	9445	140	9.31
4.0	12	12	13	13	12	12.25	2.45	6335	6445	110	6.34
1.0	7	7	6	6	7	6.50	1.30	3445	3445	0	3.45

Lu= 3.6 Pc= -
Lu= -



G2-45

RECORD OF WATER PRESSURE TEST

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/17/2002
Depth (m)	(27.00 - 27.00)	Test Length (m)	5.00	Hole Radius (cm)	9.60
G.W.L. before day's work (m)	27.35	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	31.10	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	83.60 m	7.78	cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m	0.25	cm (φ)		

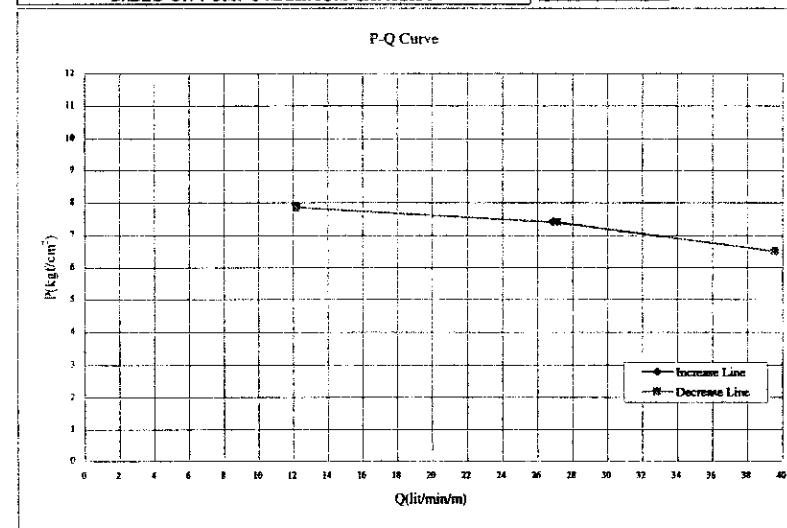
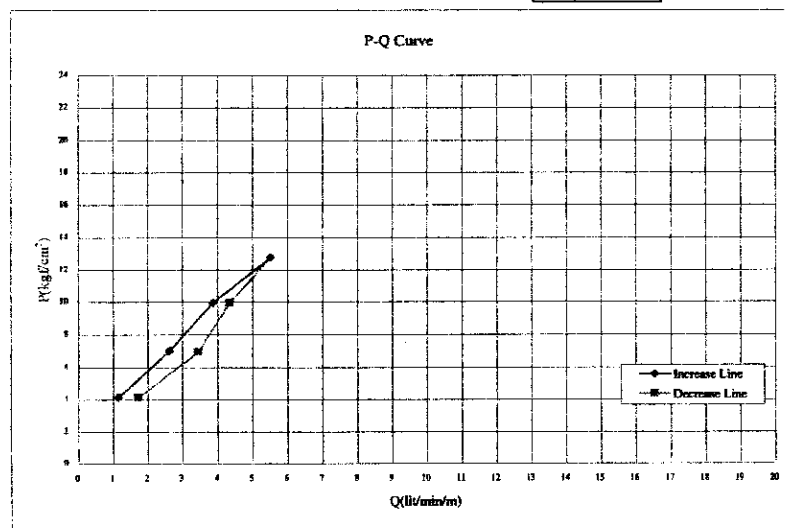
Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	5	6	6	6	5	5.75	1.15	4135	4135	0	4.14
4.0	14	13	14	13	13	13.13	2.63	7015	7135	120	7.02
7.0	20	20	19	20	19	19.38	3.88	9925	10135	210	9.93
10.0	27	27	28	28	27	27.63	5.53	12775	13135	360	12.78
7.0	21	21	22	22	22	21.75	4.35	9925	10135	210	9.93
4.0	17	17	18	17	17	17.25	3.45	6935	7135	200	6.94
1.0	9	9	9	8	8	8.63	1.73	4135	4135	0	4.14

Lu=	5.1	Pc=	-
La=	-		

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/18/2002
Depth (m)	(27.00 - 29.00)	Test Length (m)	3.00	Hole Radius (cm)	9.60
G.W.L. before day's work (m)	0.00	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	89.85	Packer NQ size (cm)	HQ		
Length (m) and Diameter (cm) of Rod	89.60 m	7.78	cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
0.5	36	36	37	36	37	36.63	12.21	7860	9510	1650	7.86
1.0	80	81	80	80	81	80.63	26.88	7410	10010	2600	7.41
1.5	118	119	119	118	119	118.75	39.58	6510	10510	4000	6.51
1.0	82	82	81	82	81	81.38	27.13	7410	10010	2600	7.41
0.5	37	36	36	37	36	36.63	12.21	7860	9510	1650	7.86

NOTE: HIGHEST PRESSURE ACHIEVED IS ONLY 1.5 KG/CM ² BASED ON PUMP'S MAXIMUM CAPACITY	Lu=	-	Pc=	-
	La=	Water Inflow		



G2-46

RECORD OF WATER PRESSURE TEST

BH LD-2, 97.00 m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/30/2002
Depth (m)	(92.00 - 97.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	89.70	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	89.10	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	94.00 m	6.03	cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	10	10	11	10	10	10.13	2.03	9385	9935	550	9.39
4.0	33	33	34	34	33	33.50	6.70	11435	12935	1500	11.44
7.0	56	56	55	55	55	55.50	11.10	13335	15935	2600	13.34
10.0	71	71	70	70	70	70.38	14.08	15135	18935	3800	15.14
15.0	90	90	89	89	89	89.50	17.90	19435	23935	4500	19.44
10.0	76	76	75	76	76	75.75	15.15	14935	18935	4000	14.94
7.0	60	60	59	59	59	59.50	11.90	12935	15935	3000	12.94
4.0	41	41	41	40	41	40.38	8.08	11095	12935	1840	11.10
1.0	17	17	17	17	17	17.25	3.45	9235	9935	700	9.24

Lu=	-	Pc=	(9.5)
Lu'=	(2.1)		

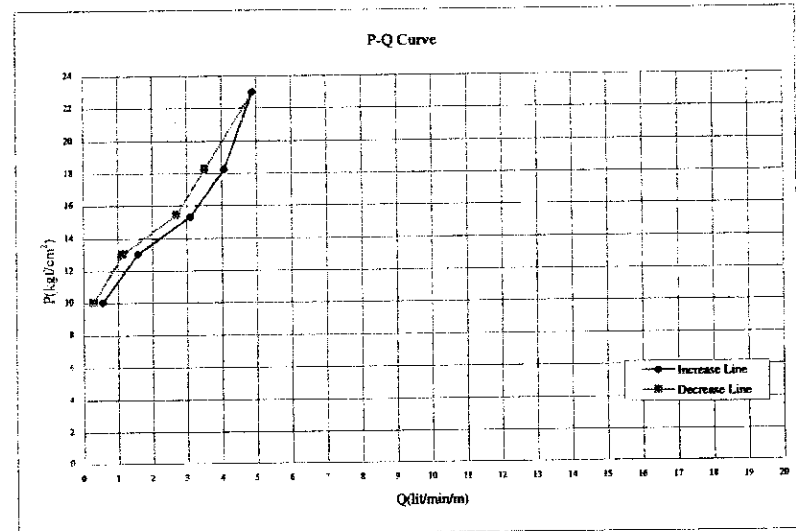
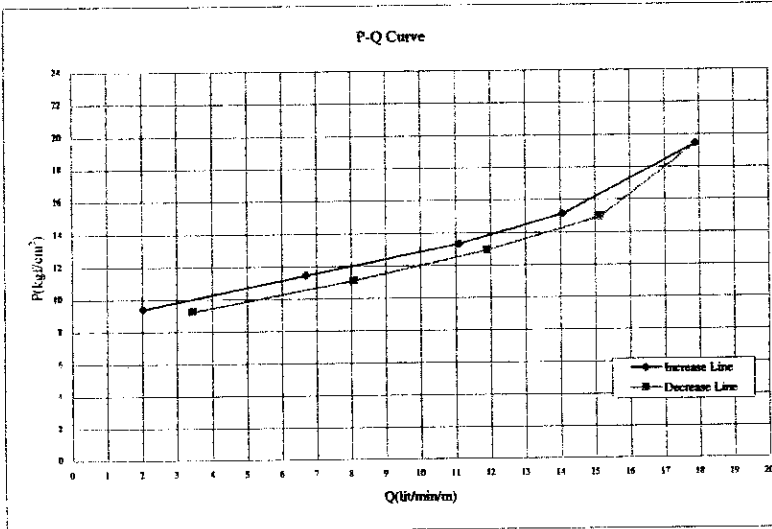
G2-47

BH LD-2, 97.00 m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	4/30/2002
Depth (m)	(97.00 - 100.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	89.00	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	90.05	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	100.00 m	6.03	cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	3	3	2	3	3	2.75	0.55	10030	10030	0	10.03
4.0	8	8	7	7	8	7.88	1.58	13030	13030	0	13.03
7.0	16	15	16	16	15	15.50	3.10	15330	16030	700	15.33
10.0	20	21	21	20	21	20.38	4.08	18250	19030	780	18.25
15.0	24	24	25	25	25	24.50	4.90	22980	24030	1050	22.98
10.0	17	17	18	18	18	17.63	3.53	18270	19030	760	18.27
7.0	13	14	13	14	14	13.50	2.70	15430	16030	600	15.43
4.0	5	5	6	6	6	5.75	1.15	13030	13030	0	13.03
1.0	1	1	2	2	1	1.50	0.30	10030	10030	0	10.03

Lu=	-	Pc=	-
Lu'=	(0.5)		



RECORD OF WATER PRESSURE TEST

BH LD-2, 02-17-02

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/2/2002
Depth (m)	(102.00 - 107.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	89.90	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	89.90	Packer NQ size (cm)	NQ		
Length (m) and Diameter (cm) of Rod	103.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf	Hf	H	
	6	7	8	9	10			A+B+C			
1.0	3	3	2	3	3	2.75	0.55	10015	10015	0	10.02
4.0	8	8	7	7	8	7.88	1.58	13015	13015	0	13.02
7.0	16	15	16	16	15	15.50	3.10	15315	16015	700	15.32
10.0	20	21	21	20	21	20.38	4.08	18235	19015	780	18.24
7.0	24	24	25	25	25	24.50	4.90	14965	16015	1050	14.97
4.0	17	17	18	18	18	17.63	3.53	12255	13015	760	12.26
1.0	13	14	13	14	14	13.50	2.70	9415	10015	600	9.42

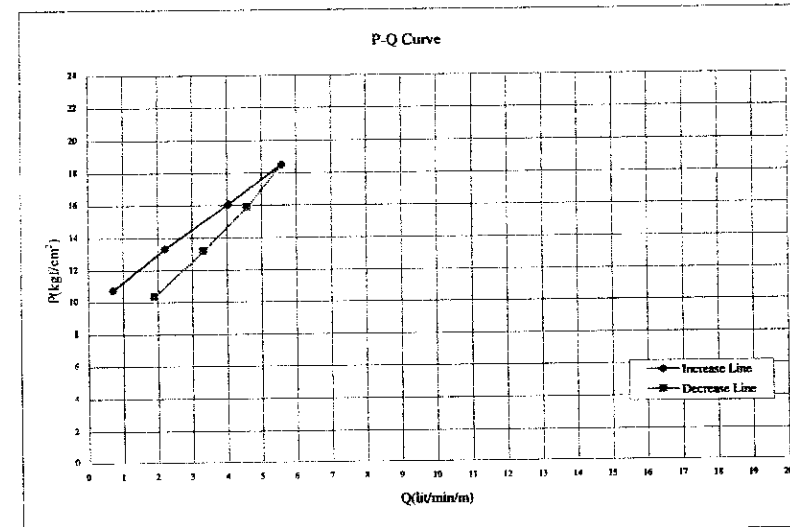
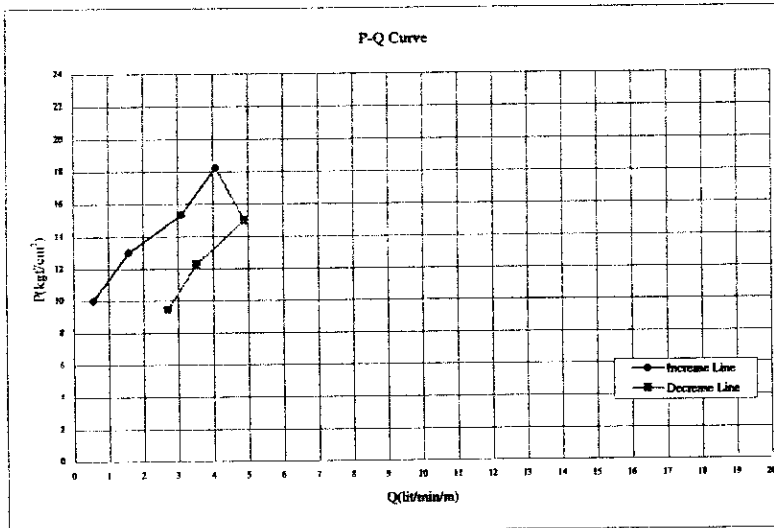
L ₁₀ =	-	P ₁₀ =	-
L ₁₀ '=	(0.5)		

BH LD-2, 02-17-02

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/2/2002
Depth (m)	(107.00 - 112.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	89.90	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	100.40	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	109.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf	Hf	H	
	6	7	8	9	10			A+B+C			
1.0	4	4	3	3	4	3.50	0.70	10765	11065	300	10.77
4.0	11	11	11	11	11	11.00	2.20	13305	14065	760	13.31
7.0	20	20	20	21	20	20.25	4.05	16055	17065	1010	16.06
10.0	29	29	28	28	28	28.00	5.60	18515	20065	1550	18.52
7.0	23	23	23	23	23	23.00	4.60	15865	17065	1200	15.87
4.0	16	16	17	16	17	16.63	3.33	13165	14065	900	13.17
1.0	10	10	9	9	9	9.50	1.90	10365	11065	700	10.37

L ₁₀ =	-	P ₁₀ =	-
L ₁₀ '=	(0.7)		



RECORD OF WATER PRESSURE TEST

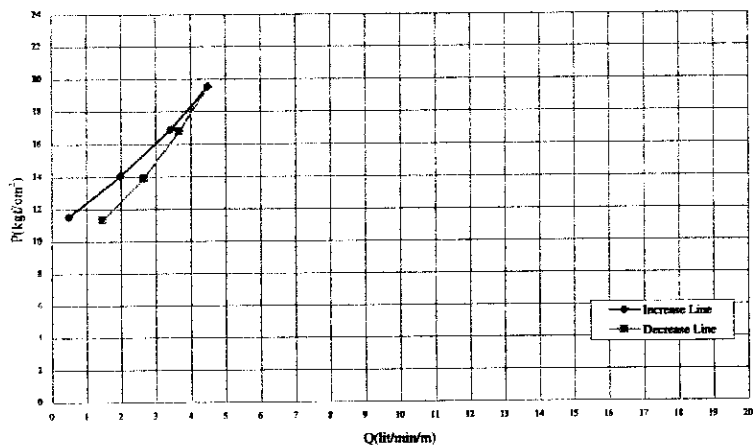
BH LD-2, 117-117m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/2/2002
Depth (m)	(117.00 - 117.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	107.00	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	107.00	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	115.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	3	3	2	2	3	2.38	0.48	11525	11725	200	11.53
	2	2	2	3	2						
4.0	10	10	9	9	10	9.88	1.98	14025	14725	700	14.03
	10	10	10	10	10						
7.0	16	17	16	17	17	17.13	3.43	16875	17725	850	16.88
	17	18	18	17	18						
10.0	23	23	22	22	23	22.50	4.50	19525	20725	1200	19.53
	22	23	23	23	22						
7.0	19	18	18	19	18	18.38	3.68	16725	17725	950	16.78
	19	18	18	19	18						
4.0	13	13	13	14	14	13.25	2.65	13875	14725	850	13.88
	13	13	13	14	14						
1.0	7	7	8	8	7	7.25	1.45	11325	11725	400	11.33
	7	7	7	8	7						

L _{up}	-	P _c	-
L _u	(0.4)		

P-Q Curve



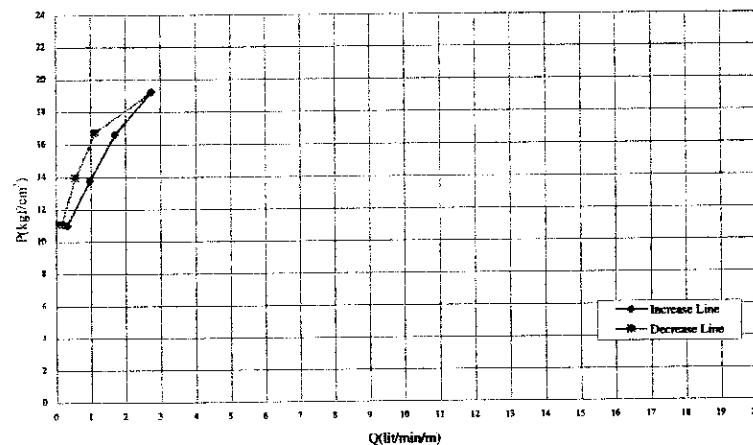
BH LD-2, 117-122m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/2/2002
Depth (m)	(117.00 - 122.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	107.00	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	101.50	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	118.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	2	1	2	1	1.63	0.33	11025	11175	150	11.03
	2	2	1	2	1						
4.0	6	6	5	5	5	4.88	0.98	13775	14175	400	13.78
	4	5	4	5	4						
7.0	8	8	8	9	8	8.50	1.70	16625	17175	550	16.63
	9	9	9	8	9						
10.0	13	13	14	14	14	13.75	2.75	19325	20175	950	19.23
	14	14	13	14	14						
7.0	6	6	5	6	5	5.63	1.13	16725	17175	450	16.73
	5	6	6	6	5						
4.0	3	3	3	2	2	2.75	0.55	13925	14175	250	13.93
	3	2	3	3	3						
1.0	1	0	1	1	0	0.75	0.15	11075	11175	100	11.08
	1	1	0	1	1						

L _{up}	-	P _c	-
L _u	(0.3)		

P-Q Curve



G2-49

RECORD OF WATER PRESSURE TEST

BH LD-2, 122-127m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/4/2002
Depth (m)	(122.00 - 127.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	108.30	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	102.50	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	124.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	2	3	2	2	2.38	0.48	11275	11275	0	11.28
4.0	6	6	5	6	6	5.50	1.10	13925	14275	350	13.93
7.0	9	9	8	8	8	8.25	1.65	16725	17275	550	16.73
10.0	13	12	12	12	12	12.38	2.48	19475	20275	800	19.48
7.0	7	7	6	7	7	6.63	1.33	16875	17275	400	16.88
4.0	4	4	3	3	3	3.25	0.65	14075	14275	200	14.08
1.0	1	1	1	1	1	1.00	0.20	11175	11275	100	11.18

L _u =	-	P _c =	-
L _u =	(0.4)		

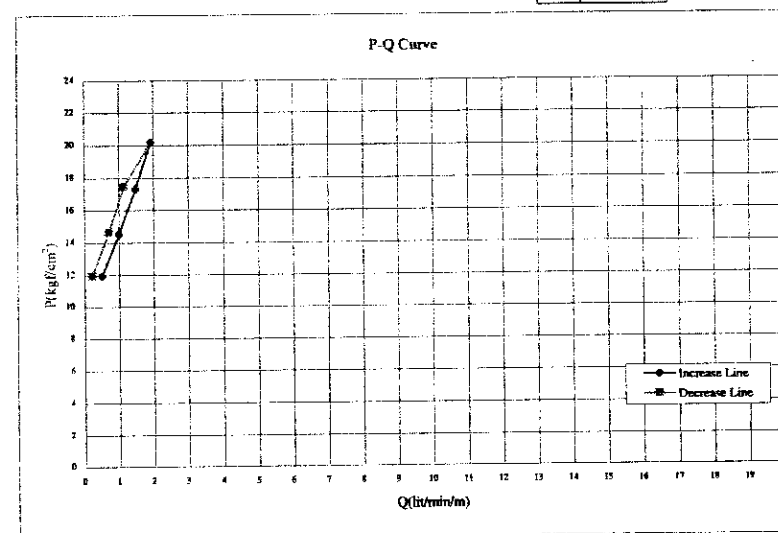
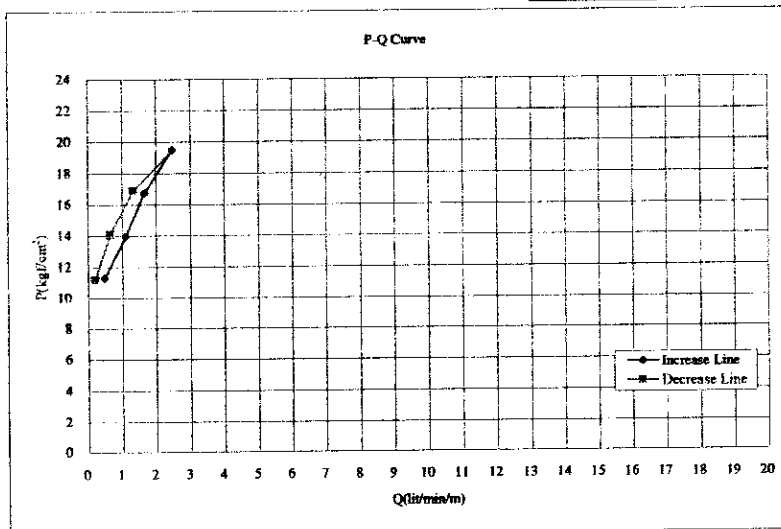
BH LD-2, 127-132m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/6/2002
Depth (m)	(127.00 - 132.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	108.90	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	108.90	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	130.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	2	3	3	2	2.50	0.50	11915	11915	0	11.92
4.0	5	5	6	5	6	5.00	1.00	14515	14915	400	14.52
7.0	8	8	7	7	7	7.38	1.48	17315	17915	600	17.32
10.0	10	10	9	9	10	9.63	1.93	20165	20915	750	20.17
7.0	6	6	5	5	6	5.75	1.15	17465	17915	450	17.47
4.0	3	3	4	4	4	3.50	0.70	14615	14915	300	14.62
1.0	1	1	1	1	2	1.13	0.23	11915	11915	0	11.92

L _u =	-	P _c =	-
L _u =	(0.4)		

G2-50



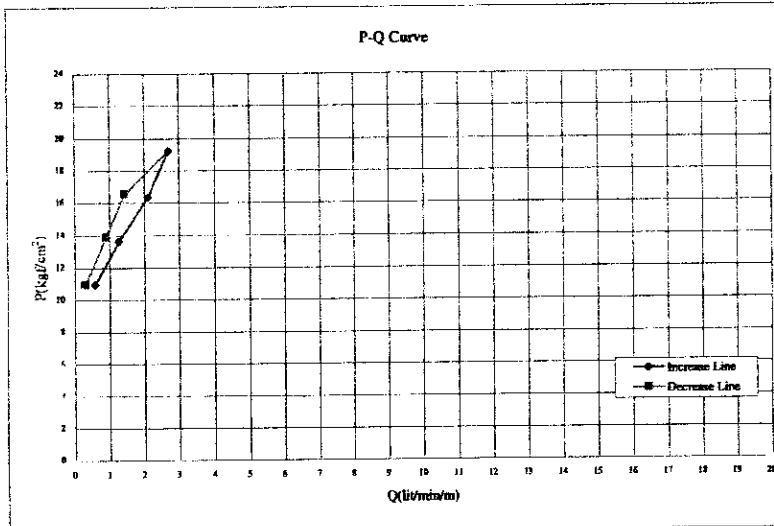
RECORD OF WATER PRESSURE TEST

BH LD-2, 132-1376

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/6/2002
Depth (m)	(132.00 - 137.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	108.90	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	100.00	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	133.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	3	2	2	3	3	2.88	0.58	10925	11025	100	10.93
4.0	6	6	6	7	7	6.38	1.28	13625	14025	400	13.63
7.0	10	10	11	11	10	10.50	2.10	16325	17025	700	16.33
10.0	14	14	14	13	13	13.50	2.70	19225	20025	800	19.23
7.0	8	7	8	8	7	7.13	1.43	16575	17025	450	16.58
4.0	4	4	4	5	5	4.50	0.90	13875	14025	150	13.88
1.0	2	2	1	1	2	1.50	0.30	10945	11025	80	10.95

L_{up} = - P_c = -
L_{down} = (0.5)

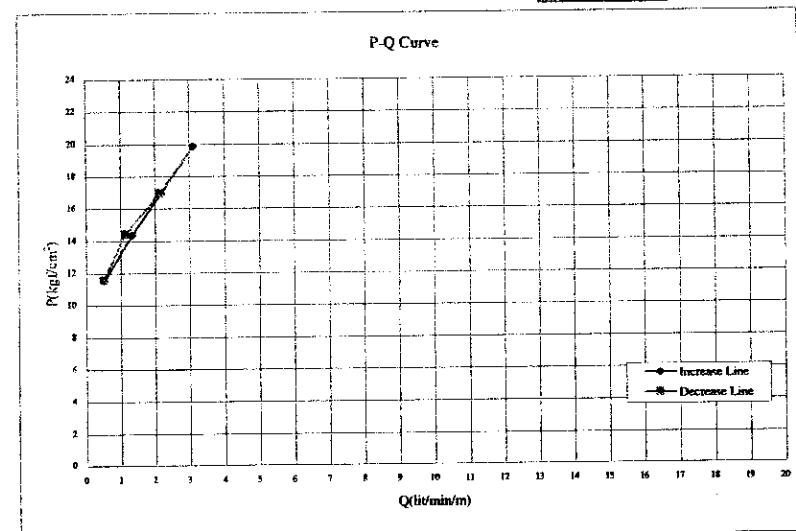


BH LD-2, 137-1426

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/7/2002
Depth (m)	(137.00 - 142.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	107.30	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	107.30	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	139.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	3	3	3	2	2.63	0.53	13555	11755	200	11.56
4.0	7	7	7	6	6	6.63	1.33	14355	14755	400	14.36
7.0	12	11	12	11	11	10.88	2.18	16955	17755	800	16.96
10.0	15	15	16	16	15	15.50	3.10	19855	20755	900	19.86
7.0	10	11	10	11	11	10.75	2.15	16975	17755	780	16.98
4.0	6	6	6	6	5	5.63	1.13	14405	14755	350	14.41
1.0	2	2	2	3	2	2.50	0.50	11565	11755	190	11.57

L_{up} = - P_c = -
L_{down} = (0.5)



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RECORD OF WATER PRESSURE TEST

WELD-2, 142-143

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/7/2002
Depth (m)	(142.00 - 147.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	107.30	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	104.10	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	145.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	4	4	5	5	4	4.25	0.85	11135	11435	300	11.14
4.0	10	10	9	9	10	9.63	1.93	13785	14435	650	13.79
7.0	15	15	16	16	15	15.38	3.08	16535	17435	900	16.54
10.0	20	20	19	19	20	19.63	3.93	19285	20435	1140	19.30
7.0	13	13	14	14	13	13.50	2.70	16635	17435	800	16.64
4.0	8	8	9	9	8	8.63	1.73	13735	14435	700	13.74
1.0	3	3	4	4	3	3.63	0.73	11175	11435	280	11.18

L _{up}	-	P ₀	-
L _{u'}	(0.8)		

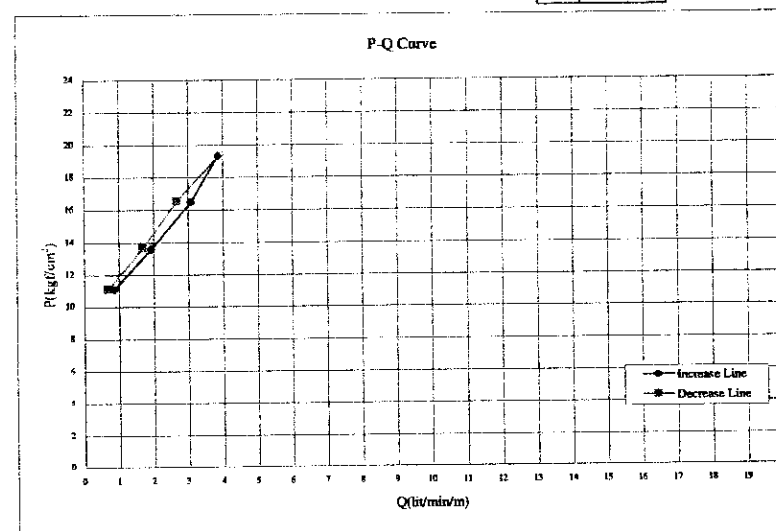
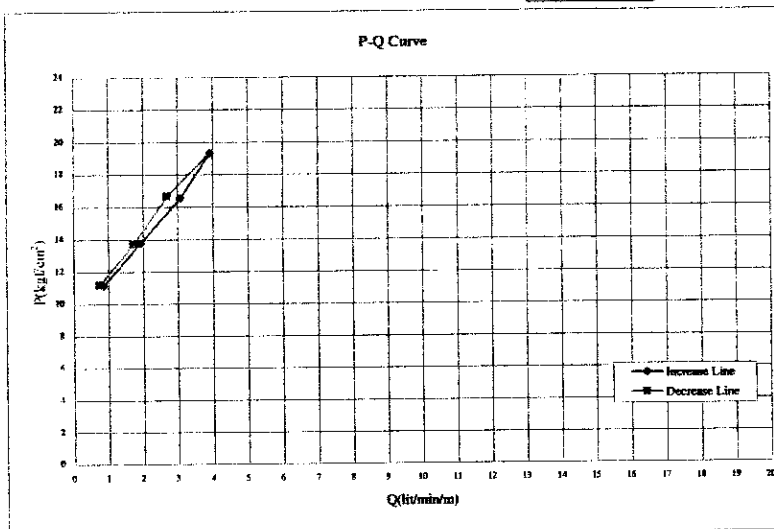
WELD-2, 142-143

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/8/2002
Depth (m)	(147.00 - 152.00)	Test Length (m)	5.00	Hole Radius (cm)	7.57
G.W.L. before day's work (m)	107.40	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	104.20	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	149.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	5	4	4	4	5	4.25	0.85	11065	11445	380	11.07
4.0	10	9	10	10	9	9.63	1.93	13585	14445	860	13.59
7.0	15	15	15	16	15	15.38	3.08	16485	17445	960	16.49
10.0	20	19	19	20	19	19.38	3.88	19295	20445	1150	19.30
7.0	14	13	13	14	13	13.38	2.68	16545	17445	900	16.55
4.0	9	8	8	9	8	8.38	1.68	13645	14445	800	13.65
1.0	4	3	3	4	3	3.38	0.68	11105	11445	340	11.11

L _{up}	-	P ₀	-
L _{u'}	(0.8)		

G2-52



RECORD OF WATER PRESSURE TEST

BH LD-2, 197-157m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/8/2002
Depth (m)	(157.00 - 157.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	107.80	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	104.30	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	154.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	6	5	5	6	5	5.38	1.08	1105	1145	400	11.06
4.0	11	10	10	11	10	10.38	2.08	1385	1445	860	13.60
7.0	17	16	16	17	16	16.38	3.28	1645	1745	1000	16.46
10.0	21	20	20	21	20	20.38	4.08	1905	2045	1150	19.31
7.0	15	14	14	15	14	14.38	2.88	1645	1745	960	16.50
4.0	10	9	9	10	9	9.38	1.88	1365	1445	850	13.61
1.0	5	4	4	5	4	4.38	0.88	1105	1145	380	11.08

Lu= - Pc= -
Lu= (1.0)

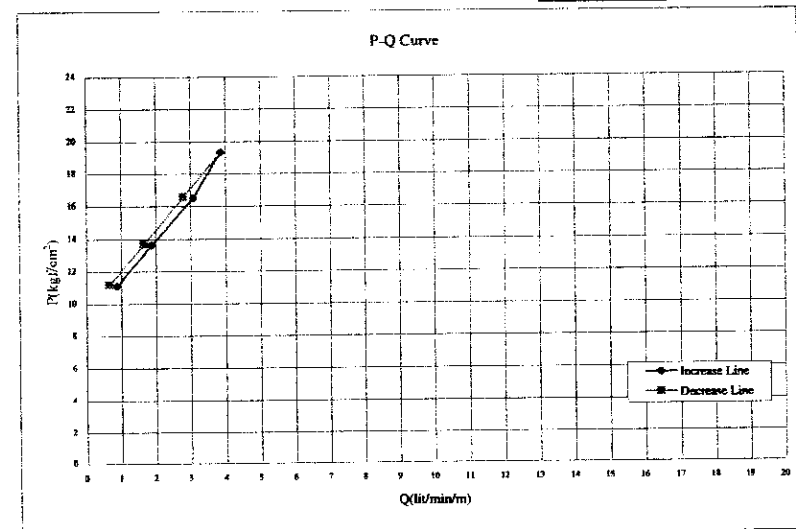
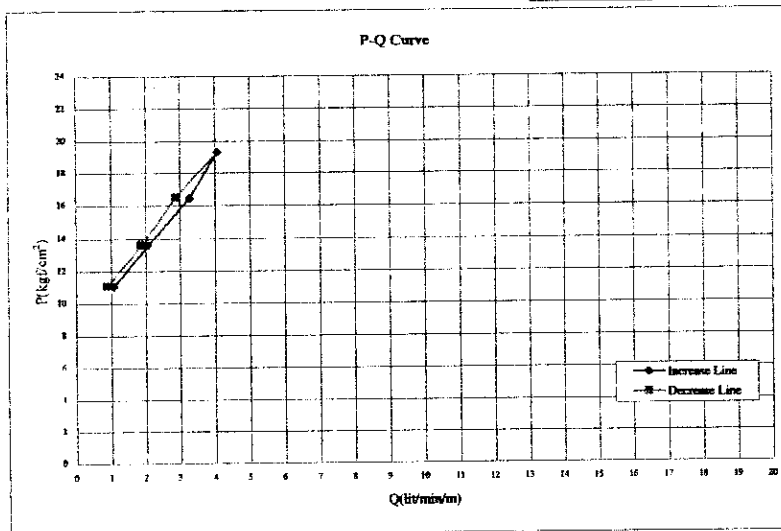
BH LD-2, 157-192m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/8/2002
Depth (m)	(157.00 - 162.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	107.90	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	104.40	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	159.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	5	4	4	5	4	4.38	0.88	1105	1145	360	11.11
4.0	10	9	9	10	9	9.38	1.88	1365	1445	840	13.63
7.0	16	15	15	16	15	15.38	3.08	1635	1745	950	16.52
10.0	20	19	19	20	19	19.38	3.88	1935	2045	1150	19.32
7.0	14	13	13	14	14	14.00	2.80	1665	1745	900	16.57
4.0	9	8	8	9	8	8.25	1.65	1365	1445	800	13.67
1.0	4	3	3	4	3	3.25	0.65	1165	1145	300	11.17

Lu= - Pc= -
Lu= (0.8)

G2-53



RECORD OF WATER PRESSURE TEST

BH LD-1, HY-1976

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/9/2002
Depth (m)	(162.00 - 167.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.10	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	107.00	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	164.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	1	1	2	1	1.38	0.28	11665	11725	60	11.67
4.0	7	6	6	7	6	6.38	1.28	14225	14725	500	14.23
7.0	13	12	12	13	12	12.38	2.48	16825	17725	900	16.83
10.0	17	16	16	17	16	16.38	3.28	19675	20725	1050	19.68
7.0	11	10	10	11	10	10.38	2.08	16925	17725	800	16.93
4.0	6	5	5	6	5	5.38	1.08	14325	14725	400	14.33
1.0	2	1	1	2	1	1.25	0.25	11685	11725	40	11.69

Lu= - Pc= -
Lu= (0.3)

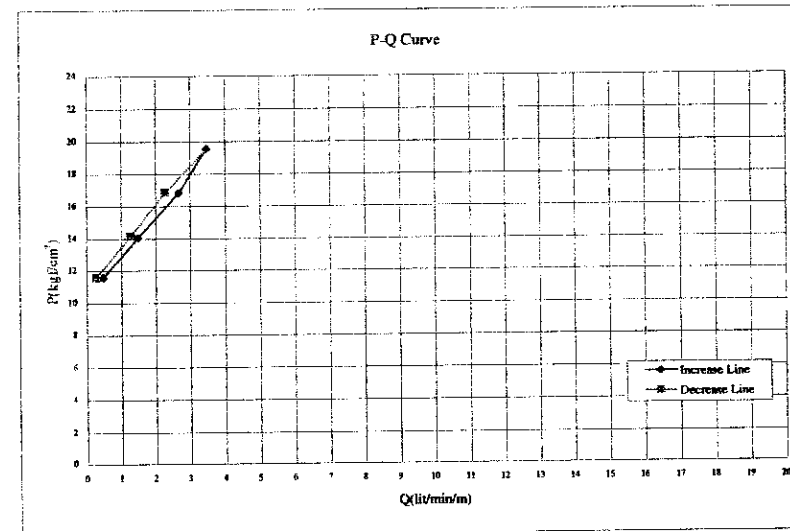
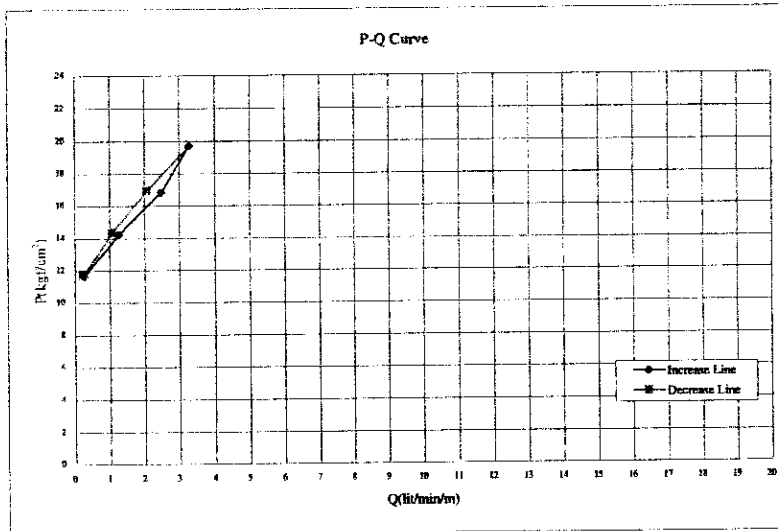
BH LD-2, HY-1756

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/9/2002
Depth (m)	(167.00 - 172.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.10	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	106.20	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	169.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	3	2	2	3	2	2.38	0.48	11565	11645	80	11.57
4.0	8	7	7	8	7	7.38	1.48	14045	14645	600	14.05
7.0	14	13	13	14	13	13.38	2.68	16825	17645	820	16.83
10.0	18	17	17	18	17	17.38	3.48	19545	20645	1100	19.55
7.0	12	11	11	12	11	11.38	2.28	16865	17645	780	16.87
4.0	7	6	6	7	6	6.38	1.28	14145	14645	500	14.15
1.0	2	1	1	2	1	1.38	0.28	11585	11645	60	11.59

Lu= - Pc= -
Lu= (0.5)

G2-54



RECORD OF WATER PRESSURE TEST

WB LD-2, 177-178m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/10/2002
Depth (m)	(172.00 - 177.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.10	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	105.00	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	174.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	3	2	2	2	3	2.25	0.45	11450	11525	75	11.45
4.0	8	7	7	7	8	7.25	1.45	13975	14525	550	13.98
7.0	14	13	13	13	14	13.25	2.65	16725	17525	800	16.73
10.0	18	17	17	17	18	17.25	3.45	19475	20525	1050	19.48
7.0	12	11	11	11	12	11.25	2.25	16775	17525	750	16.78
4.0	7	6	6	6	7	6.25	1.25	14045	14525	480	14.05
1.0	2	1	1	1	2	1.25	0.25	11485	11525	40	11.49

L _{up}	-	P _{em}	-
L _u	(0.4)		

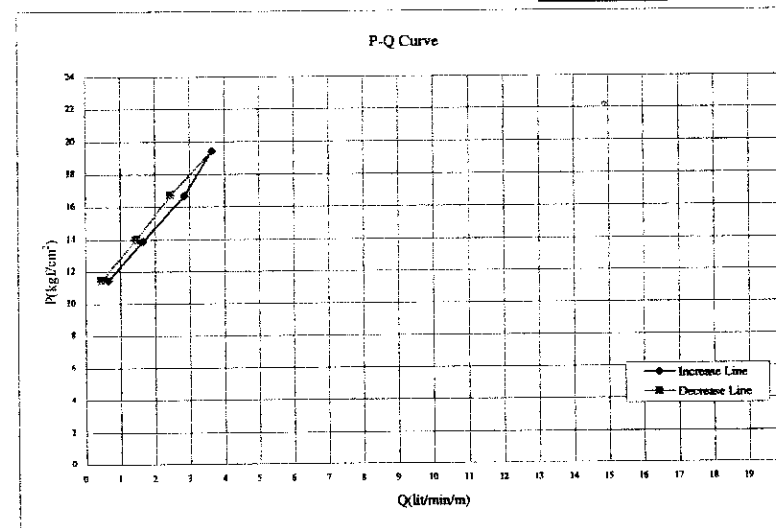
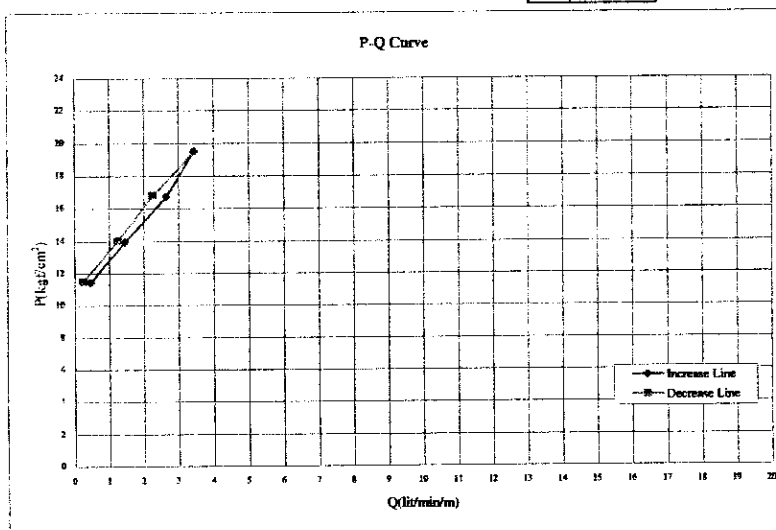
WB LD-2, 177-182m

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/10/2002
Depth (m)	(177.00 - 182.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.20	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	105.10	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	179.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	4	3	3	3	4	3.25	0.65	11435	11535	100	11.44
4.0	9	8	8	8	9	8.25	1.65	13885	14535	650	13.89
7.0	15	14	14	14	15	14.25	2.85	16685	17535	850	16.69
10.0	19	18	18	18	19	18.25	3.65	19435	20535	1100	19.44
7.0	13	12	12	12	13	12.25	2.45	16735	17535	800	16.74
4.0	8	7	7	7	8	7.25	1.45	13985	14535	550	13.99
1.0	3	2	2	2	3	2.25	0.45	11455	11535	80	11.46

L _{up}	-	P _{em}	-
L _u	(0.6)		

G2-55



RECORD OF WATER PRESSURE TEST

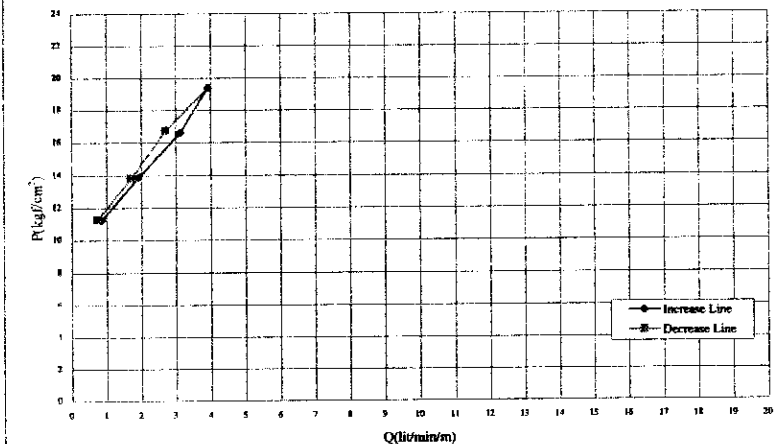
WELD-2, 102-107

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/10/2002
Depth (m)	(102.00 - 107.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.10	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	105.20	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	184.00 m	6.03	cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H = A+B+C-Hf	A+B+C	Hf	
1.0	4	4	5	5	4	4.25	0.85	11225	11545	320	11.23
4.0	10	10	9	9	10	9.63	1.93	13875	14545	670	13.88
7.0	16	16	15	15	16	15.63	3.13	16625	17545	920	16.63
10.0	20	19	20	19	20	19.63	3.93	19375	20545	1160	19.39
7.0	14	13	13	14	13	13.50	2.70	16725	17545	820	16.73
4.0	8	8	8	8	9	8.50	1.70	13825	14545	720	13.83
1.0	4	4	3	3	4	3.63	0.73	11265	11545	280	11.27

Lu= - Pc= -
Lc= (0.8)

P-Q Curve



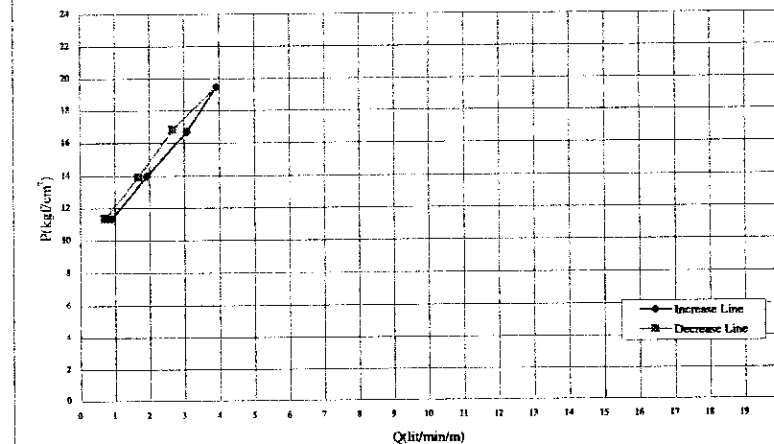
WELD-2, 107-102

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/11/2002
Depth (m)	(107.00 - 102.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.20	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	106.10	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	189.00 m	6.03	cm (φ)		
Length (m) and Diameter (cm) of Hose	9.00 m	2.54	cm (φ)		

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H = A+B+C-Hf	A+B+C	Hf	
1.0	5	5	4	4	5	4.50	0.90	11305	11635	330	11.31
4.0	10	9	9	10	10	9.63	1.93	13955	14635	680	13.96
7.0	15	15	16	16	15	15.38	3.08	16695	17635	940	16.70
10.0	20	20	19	19	20	19.63	3.93	19455	20635	1180	19.46
7.0	14	14	13	13	13	13.38	2.68	16805	17635	830	16.81
4.0	9	8	8	8	9	8.38	1.68	13905	14635	730	13.91
1.0	4	4	3	3	4	3.50	0.70	11345	11635	290	11.35

Lu= - Pc= -
Lc= (0.9)

P-Q Curve



G2-56

RECORD OF WATER PRESSURE TEST

BH LD-2, 197.00

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/11/2002
Depth (m)	(197.00 - 197.00)	Test Length (m)	5.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.20	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	106.10	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	194.08 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	3	2	2	3	2	2.38	0.48	11535	11635	100	11.54
4.0	2	2	3	2	3	7.25	1.45	14035	14635	600	14.04
7.0	8	7	7	8	7	13.38	2.68	16585	17635	1050	16.59
10.0	7	7	8	7	7	17.25	3.45	19435	20635	1200	19.44
7.0	14	13	13	14	13	11.38	2.28	16685	17635	950	16.69
4.0	13	13	14	13	14	6.25	1.25	14085	14635	550	14.09
1.0	18	17	17	18	17	1.25	0.25	11585	11635	80	11.56
	17	17	18	17	17						
	12	11	11	12	11						
	11	11	11	12	12						
	7	6	6	7	6						
	6	6	7	6	6						
	2	1	1	2	1						
	1	1	1	2	1						

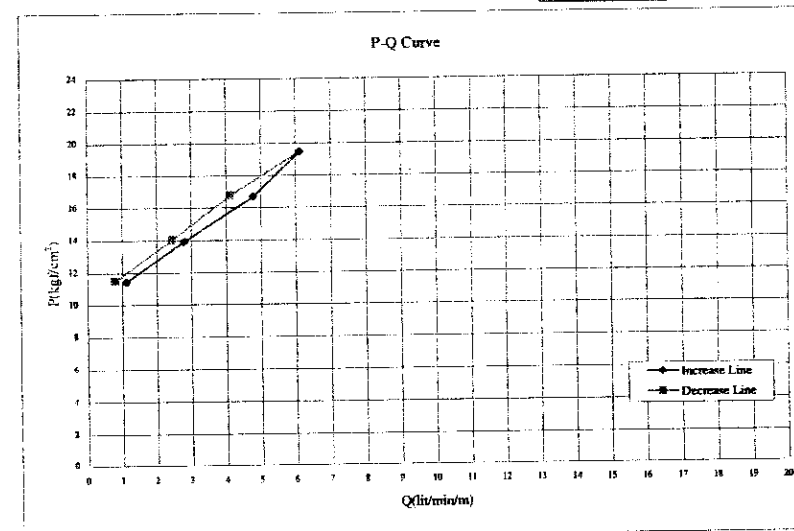
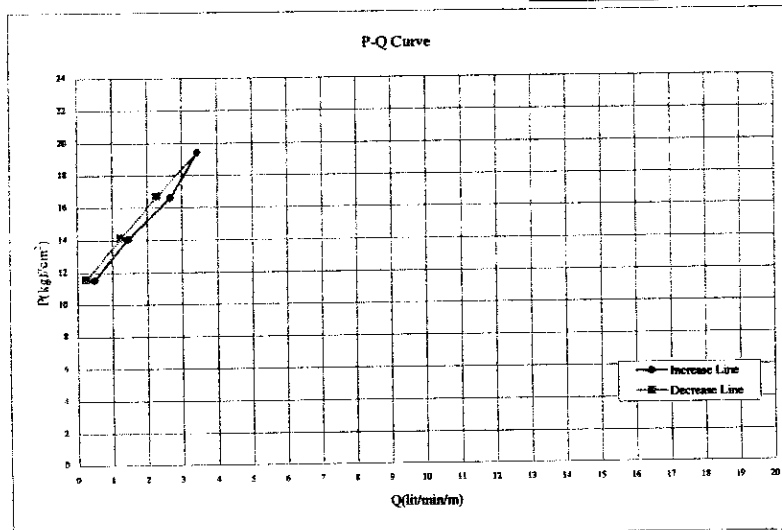
L ₁₀ =	-	P ₁₀ =	-
L ₁₀ '=	(0.4)		

BH LD-2, 197.00

Project	WRDMM	Bore Hole No.	BH LD-2	Date	5/13/2002
Depth (m)	(197.00 - 200.00)	Test Length (m)	3.00	Hole Radius (cm)	3.78
G.W.L. before day's work (m)	108.40	Pressure gauge height (m) : C/100	0.25		
G.W.L. before testing (m) : B/100	106.30	Packer NQ size (cm)			
Length (m) and Diameter (cm) of Rod	199.00 m	6.03 cm (φ)			
Length (m) and Diameter (cm) of Hose	9.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H=A+B+C-Hf			
	6	7	8	9	10			H	A+B+C	Hf	
1.0	4	3	3	4	3	3.38	1.13	11455	11655	200	11.46
4.0	3	4	3	3	4	8.38	2.79	13905	14655	750	13.91
7.0	9	8	8	9	8	14.38	4.79	16675	17655	980	16.68
10.0	8	9	8	8	9	18.38	6.13	19455	20655	1200	19.46
7.0	15	14	14	15	14	12.38	4.13	16785	17655	890	16.77
4.0	14	15	14	14	15	7.38	2.46	14005	14655	650	14.01
1.0	19	18	18	19	18	2.38	0.79	11495	11655	160	11.50
	18	18	18	19	19						
	13	12	12	13	12						
	12	13	12	12	13						
	8	7	7	8	7						
	7	8	7	7	8						
	3	2	2	3	2						
	2	3	2	2	3						

L ₁₀ '=	-	P ₁₀ '=	-
L ₁₀ '=	(1.0)		



G2-57

RECORD OF WATER PRESSURE TEST

BH TD-1, 9/20/02

Project	WRDMM	Bore Hole No.	BH TD-1	Date	9/20/2002
Depth (m)	(5.00 - 10.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	4.10	Pressure gauge height (m) : C/100	0.20		
G.W.L. before seeping (m) : B/100	3.10	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	6.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm) H=A+B+C-Hf			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	3	2	4	3	2	3.13	0.63	1330	1330	0	1.33
4.0	8	9	9	10	9	8.75	1.75	4260	4330	70	4.26
7.0	14	14	13	14	12	13.63	2.73	7220	7330	110	7.22
10.0	21	22	23	22	21	21.88	4.38	10160	10330	170	10.16
7.0	16	17	16	16	17	16.50	3.30	7200	7330	130	7.20
4.0	12	13	13	12	13	12.25	2.45	4230	4330	100	4.23
1.0	5	5	6	6	5	5.50	1.10	1330	1330	0	1.33

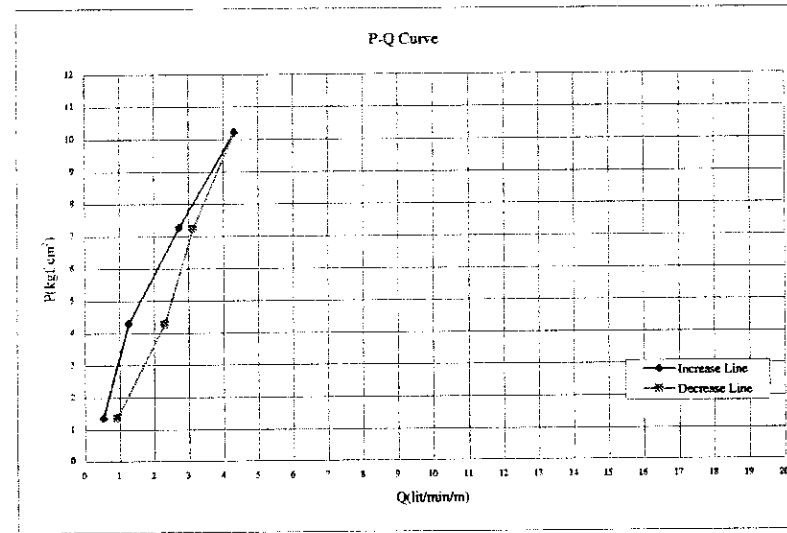
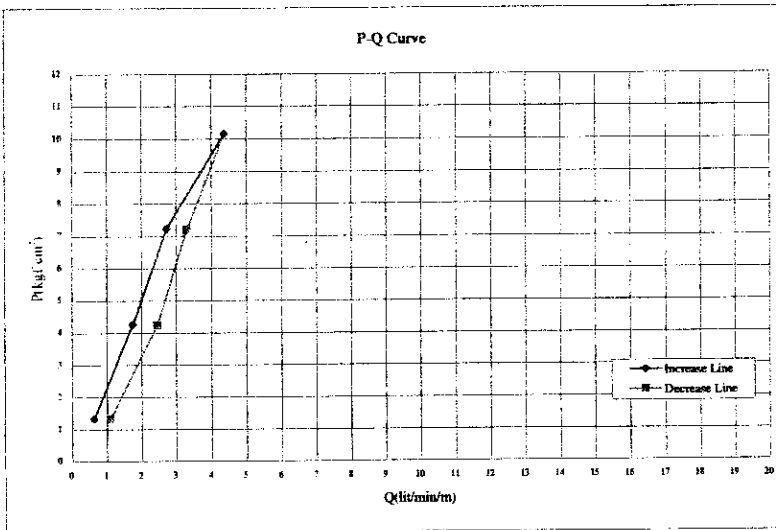
L _u =	-	P _c =	8.30
L _u '=	4.0		

BH TD-1, 9/22/02

Project	WRDMM	Bore Hole No.	BH TD-1	Date	9/22/2002
Depth (m)	(10.00 - 15.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	4.20	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	3.20	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	11.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm) H=A+B+C-Hf			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	3	3	2	3	2.63	0.53	1370	1370	0	1.37
4.0	7	6	6	7	6	6.38	1.28	4305	4370	65	4.31
7.0	13	14	14	13	14	13.63	2.73	7260	7370	110	7.26
10.0	21	22	22	21	22	21.63	4.33	10205	10370	165	10.21
7.0	15	16	16	15	15	15.63	3.13	7240	7370	130	7.24
4.0	11	12	12	11	13	11.50	2.30	4280	4370	90	4.28
1.0	4	5	5	4	5	4.63	0.93	1370	1370	0	1.37

L _u =	-	P _c =	4.30
L _u '=	2.8		



G2-58

RECORD OF WATER PRESSURE TEST

PH TD-1, 2002

Project	WRDMM	Bore Hole No.	BH TD-1	Date	9/23/2002
Depth (m)	(30.00 - 30.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	4.50	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	3.30	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	17.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	3	2	2	4	2.38	0.48	1380	1380	0	1.38
4.0	7	8	7	8	7	7.38	1.48	4310	4380	70	4.31
7.0	12	12	13	14	14	13.38	2.68	7270	7380	110	7.27
10.0	21	22	21	21	22	21.38	4.28	10215	10380	165	10.22
7.0	15	16	15	15	16	15.38	3.08	7250	7380	130	7.25
4.0	11	12	11	11	13	11.38	2.28	4290	4380	90	4.29
1.0	4	6	4	4	5	4.38	0.88	1380	1380	0	1.38

L _u =	-	P _c =	6.50
L _w =	3.3		

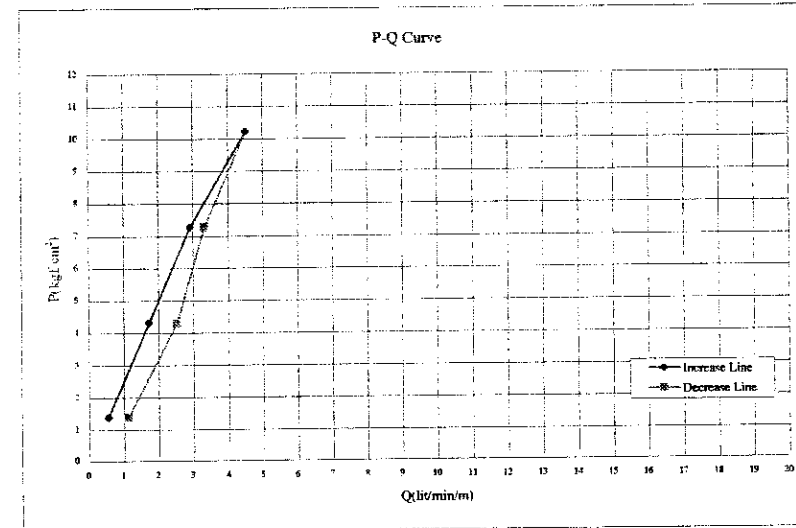
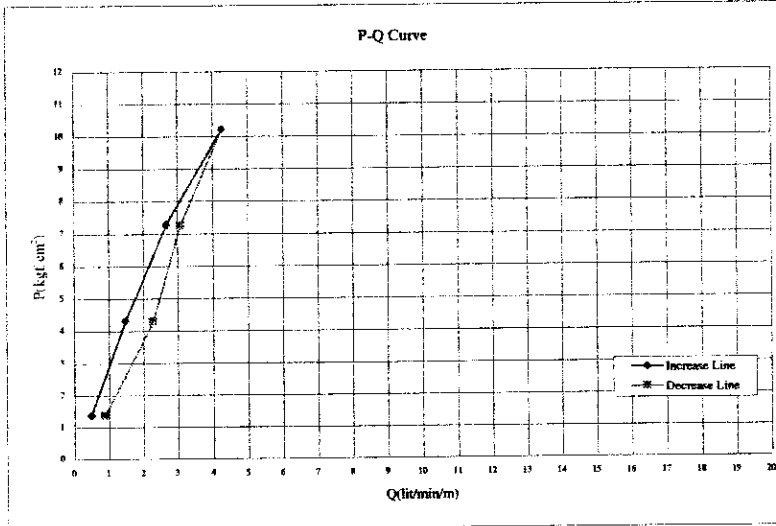
PH TD-1, 2002

Project	WRDMM	Bore Hole No.	BH TD-1	Date	9/24/2002
Depth (m)	(20.00 - 20.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	4.60	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	3.40	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	22.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	3	3	2	3	2.75	0.55	1390	1390	0	1.39
4.0	8	9	9	8	9	8.63	1.73	4310	4390	80	4.31
7.0	14	15	15	14	15	14.63	2.93	7270	7390	120	7.27
10.0	22	23	23	22	23	22.63	4.53	10230	10390	170	10.22
7.0	16	17	17	16	17	16.63	3.33	7260	7390	130	7.26
4.0	12	13	13	12	13	12.63	2.53	4290	4390	100	4.29
1.0	6	6	6	5	6	5.63	1.13	1390	1390	0	1.39

L _u =	-	P _c =	7.20
L _w =	4.0		

G2-59



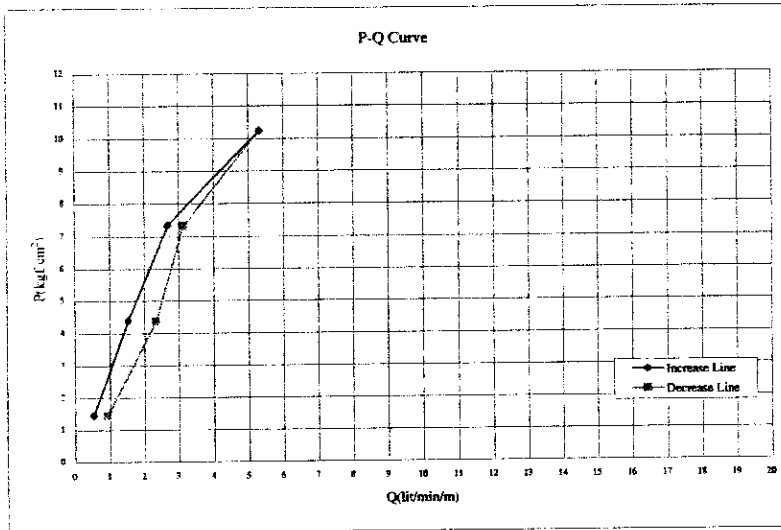
RECORD OF WATER PRESSURE TEST

MITD-1-2002

Project	WRDMM	Bore Hole No.	BH TD-1	Date	9/25/2002
Depth (m)	(25.00 - 30.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	4.40	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	4.00	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	26.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kg/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kg/cm ²)
	1	2	3	4	5			H A+B+C	Hf A+B+C-Hf	Hf	
1.0	2	3	3	2	3	2.63	0.53	1450	1450	0	1.45
4.0	7	8	8	7	8	7.63	1.53	4380	4450	70	4.38
7.0	13	13	13	14	13	13.38	2.68	7340	7450	110	7.34
10.0	26	27	27	26	27	26.63	5.33	10230	10450	220	10.23
7.0	15	16	16	15	16	15.63	3.13	7320	7450	130	7.32
4.0	11	12	12	11	12	11.63	2.33	4360	4450	90	4.36
1.0	4	5	5	4	5	4.63	0.93	1450	1450	0	1.45
	5	4	5	5	4						

L _{up}	-	P _{cm}	7.00
L _{down}	3.4		



G2-60

RECORD OF WATER PRESSURE TEST

BH TD-2, 5.5-15.5m

Project	WRDMM	Bore Hole No.	BH TD-2	Date	9/27/2002
Depth (m)	(5.00 - 15.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	Dry	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	4.00	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	6.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	2	3	2	2	3	2.50	0.50	1450	1450	0	1.45
4.0	9	8	10	9	9	9.13	1.83	4370	4450	80	4.37
7.0	14	13	12	14	13	13.38	2.68	7350	7450	100	7.35
10.0	22	21	22	22	21	21.63	4.33	10290	10450	160	10.29
7.0	17	17	18	17	18	17.00	3.40	7320	7450	130	7.32
4.0	12	13	12	12	13	12.38	2.48	4360	4450	90	4.36
1.0	4	5	5	4	5	4.63	0.93	1450	1450	0	1.45

L _{up}	4.3	P _{cr}	-
L _{down}	-		

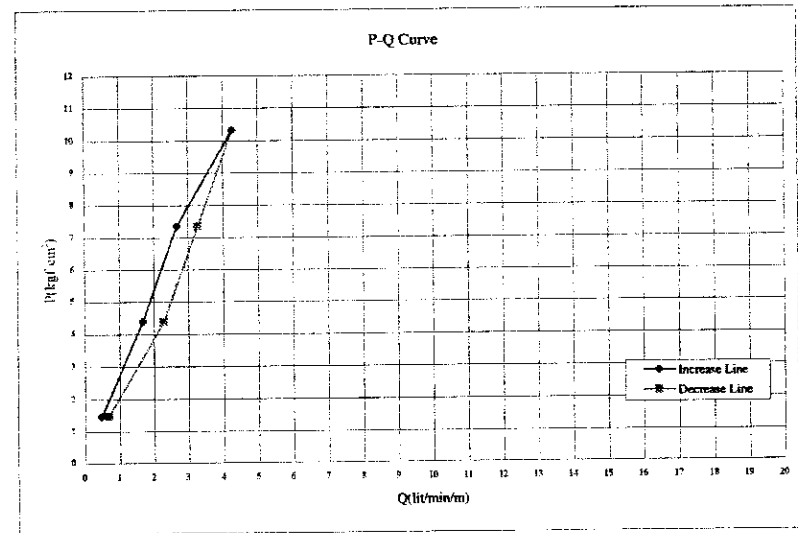
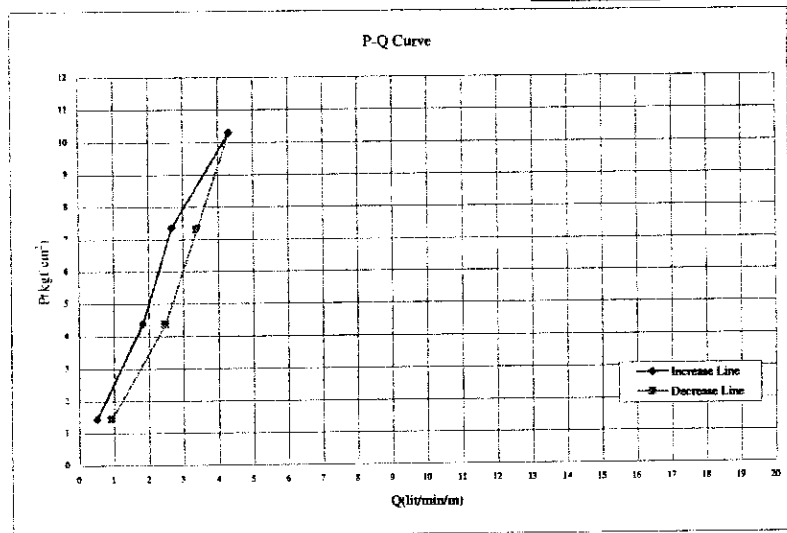
BH TD-2, 15.5-15.5m

Project	WRDMM	Bore Hole No.	BH TD-2	Date	9/28/2002
Depth (m)	(15.00 - 15.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	Dry	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	4.20	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	11.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
1.0	3	3	2	3	2	2.38	0.48	1470	1470	0	1.47
4.0	9	8	8	9	8	8.38	1.68	4390	4470	80	4.39
7.0	14	13	13	14	13	13.38	2.68	7390	7470	120	7.35
10.0	22	21	21	22	21	21.38	4.28	10310	10470	160	10.31
7.0	17	16	16	17	16	16.38	3.28	7340	7470	130	7.34
4.0	12	11	11	12	11	11.38	2.28	4370	4470	100	4.37
1.0	4	3	3	4	3	3.38	0.68	1470	1470	0	1.47

L _{up}	-	P _{cr}	9.70
L _{down}	4.0		

G2-61



RECORD OF WATER PRESSURE TEST

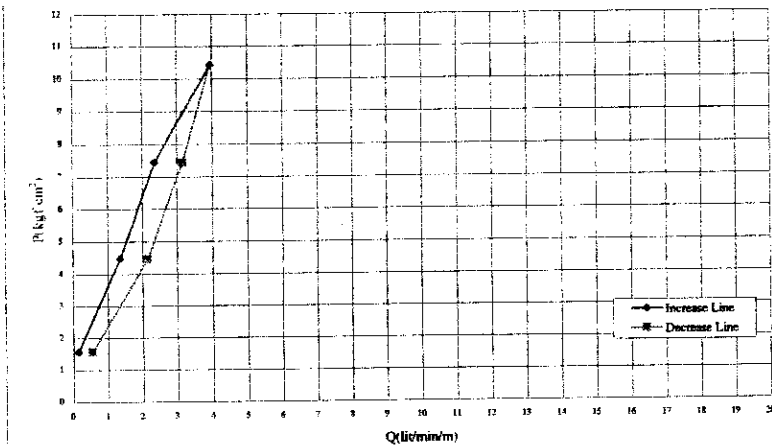
BBT 10-2, 9/28/02

Project	WRDMM	Bore Hole No.	BH TD-2	Date	9/28/2002
Depth (m)	(15.00 - 20.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	10.20	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	5.10	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	17.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
								H=A+B+C-Hf			
	1	2	3	4	5			H	A+B+C	Hf	
1.0	0	1	0	1	1	0.75	0.15	1560	1560	0	1.56
4.0	7	7	6	7	7	6.75	1.35	4480	4560	80	4.48
7.0	12	12	11	12	12	11.75	2.35	7450	7560	110	7.45
10.0	19	20	20	19	20	19.75	3.95	10410	10560	150	10.41
7.0	15	16	16	15	16	15.75	3.15	7430	7560	130	7.43
4.0	11	11	10	11	11	10.75	2.15	4460	4560	100	4.46
1.0	3	3	2	3	3	2.75	0.55	1560	1560	0	1.56

L _w =	P _c =	9.40
L _u =		3.7

P-Q Curve



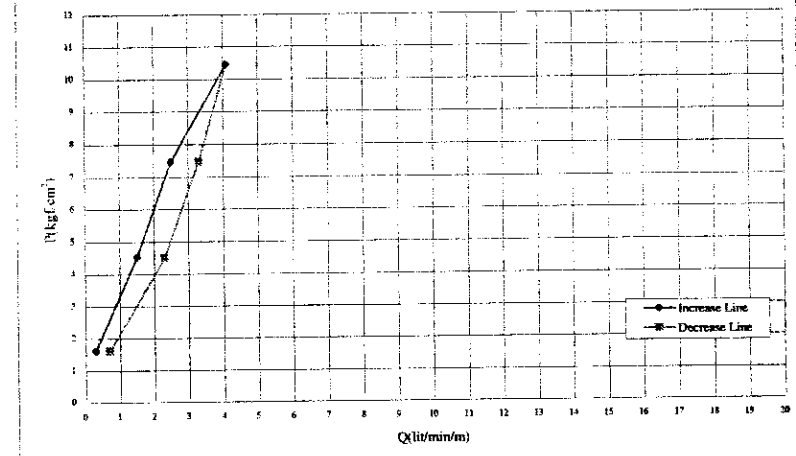
BBT 10-2, 9/29/02

Project	WRDMM	Bore Hole No.	BH TD-2	Date	9/29/2002
Depth (m)	(15.00 - 20.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	10.50	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	5.50	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	17.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
								H=A+B+C-Hf			
	1	2	3	4	5			H	A+B+C	Hf	
1.0	1	2	1	2	1	1.50	0.30	1600	1600	0	1.60
4.0	7	8	7	8	7	7.50	1.50	4520	4600	80	4.52
7.0	12	13	12	13	12	12.50	2.50	7480	7600	120	7.48
10.0	20	21	20	21	20	20.50	4.10	10450	10600	150	10.45
7.0	16	17	16	17	16	16.50	3.30	7470	7600	130	7.47
4.0	11	12	11	12	11	11.50	2.30	4500	4600	100	4.50
1.0	3	4	3	4	3	3.50	0.70	1600	1600	0	1.60

L _w =	P _c =	9.60
L _u =		3.8

P-Q Curve



RECORD OF WATER PRESSURE TEST

BH TD-2 9/29/2002

Project	WRDMM	Bore Hole No.	BH TD-2	Date	9/29/2002
Depth (m)	(25.00 - 30.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	10.60	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	5.50	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	27.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
1.0	1	0	0	1	0	0.38	0.08	1600	1600	0	1.60
4.0	7	6	6	7	6	6.38	1.28	4510	4600	90	4.51
7.0	12	11	11	12	11	11.38	2.28	7480	7600	120	7.48
10.0	20	19	19	20	19	19.38	3.88	10450	10600	150	10.45
7.0	16	15	15	16	15	15.50	3.10	7480	7600	120	7.48
4.0	11	10	10	11	10	10.38	2.08	4510	4600	90	4.51
1.0	3	2	2	3	2	2.38	0.48	1600	1600	0	1.60

Lu=	-	Pc=	9.10
Lu'	3.5		

BH TD-2 9/30/2002

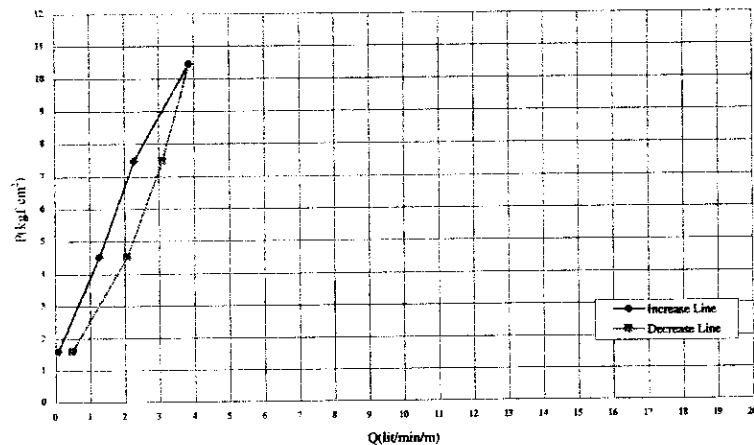
Project	WRDMM	Bore Hole No.	BH TD-2	Date	9/30/2002
Depth (m)	(30.00 - 35.00)	Test Length (m)	5.00	Hole Radius (cm)	3.50
G.W.L. before day's work (m)	10.70	Pressure gauge height (m) : C/100	0.50		
G.W.L. before testing (m) : B/100	5.50	Packer NQ size (cm)	7.00		
Length (m) and Diameter (cm) of Rod	32.00 m	2.54 cm (φ)			
Length (m) and Diameter (cm) of Hose	8.00 m	2.54 cm (φ)			

Pressure gauge Reading : A/1000 (kgf/cm ²)	Water Injection (l/min)					Average of Water Injection : q (l/min)	Water Injection for 1 m : Q (l/min/m)	Water Pressure in Head (cm)			Effective Pressure : P (kgf/cm ²)
	1	2	3	4	5			H	A+B+C	Hf	
	6	7	8	9	10						
1.0	1	0	0	1	0	0.38	0.08	1600	1600	0	1.60
4.0	6	5	4	5	6	5.00	1.00	4600	4600	0	4.60
7.0	11	10	9	10	11	10.25	2.05	7500	7600	100	7.50
10.0	19	18	18	19	18	18.38	3.68	10450	10600	150	10.45
7.0	18	19	18	18	20	18.38	3.68	7480	7600	120	7.48
4.0	15	14	14	15	14	14.38	2.88	4510	4600	90	4.51
1.0	10	9	9	10	9	9.38	1.88	1600	1600	0	1.60

Lu=	-	Pc=	4.60
Lu'	2.7		

G2-63

P-Q Curve



P-Q Curve

