ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC

Recovery Well Installation Data Package October 2011

Gasoline Fueling Station – Royal Farms #96 500 Mechanics Valley Road North East, Cecil County, Maryland 21901

OCP Case No. 2011-0729-CE MDE Facility No. 13326

AEC Project Number: 05-056 RF096

Prepared for:

Maryland Department of the Environment
Oil Control Program
Montgomery Park
1800 Washington Boulevard
Baltimore, Maryland 21230-1719

And

Royal Farms / Two Farms, Inc. 3611 Roland Avenue Baltimore, Maryland 21211

Prepared by:

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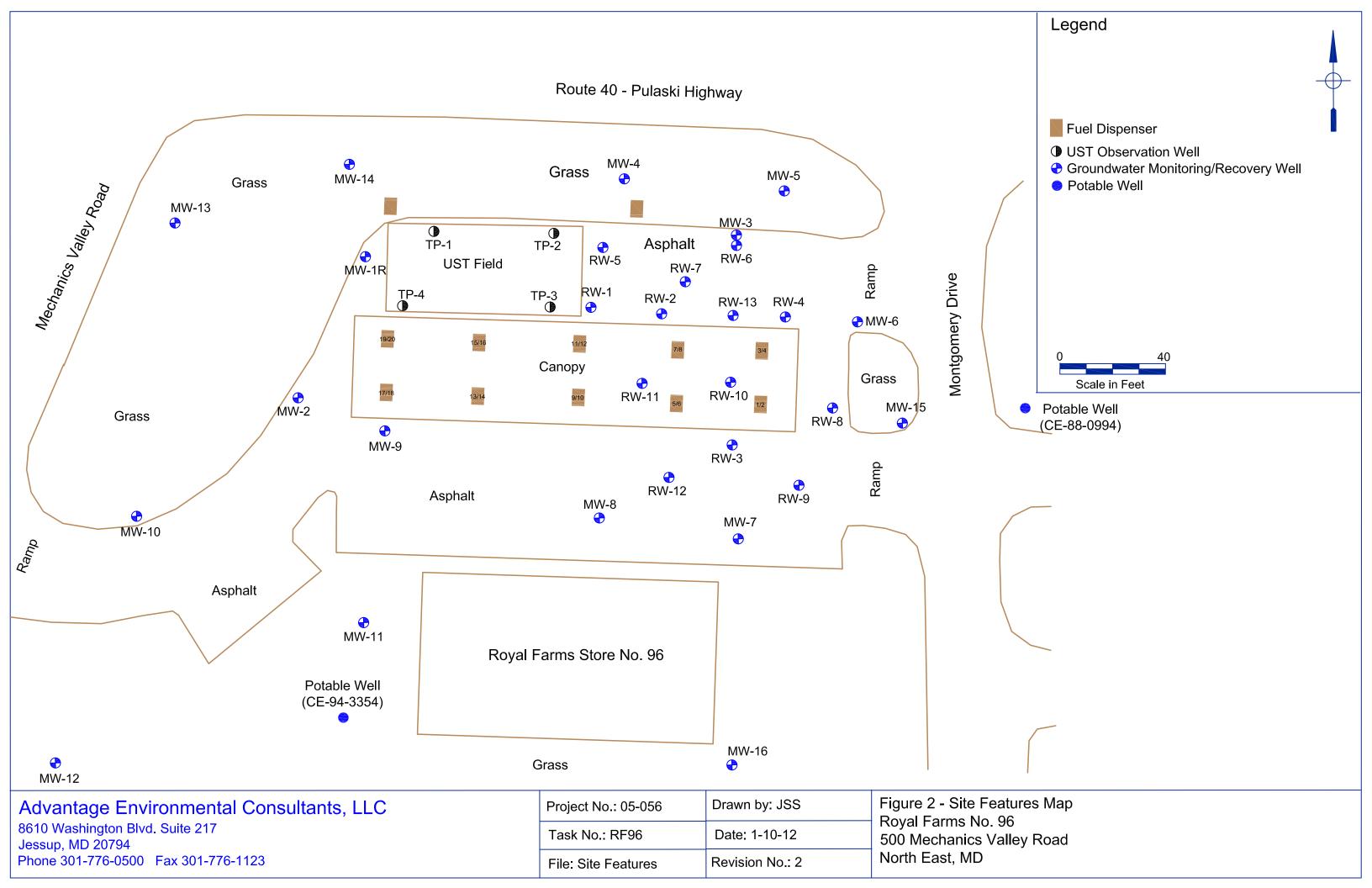
Fax – (301)-776-1123

March 20, 2012

ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC

This package contains the following documents:

Site Features Map Boring / Well Completion Reports MDE Well Completion Reports

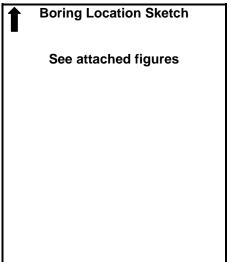


Page of Page	Boring / Well Completion Report		
Boring / Well ID MW-1R	Permit Number Permit Date		
Date Work Began 10.13.11 11:45	Date Work Ended 10.13.11 17:00	AEC Project No. 05-056RF096	
Address 500 Mechanics Valley Road	City / State Nor	th East, MD	

	Geologic Log				
Drilling Method HSA Drilling Fluid N/A					
Boring Diameter (inches) 6.25" Drilling Contractor CR Hugo, Inc. Depth from Description					
Depth		Description	Description		
Feet	Feet	Soil Classification	PID	Sample Interval	Blow counts
0	0.5	Concrete	0		
0.5	3.5	Brown silty SAND w/ gravel, fill	0		12,6,6,6 @3.5'
3.5	4.5	Brown clayey SILT w/ sand, med. Stiffness	0		
4.5	6	Brown and gray mottled SILT w/ sand	0.5		
6	7	Brown clayey SILT w/ sand	0		
7	9.5	Purplish brown CLAY, stiff	3.1		4,4,6,7 @8.5'
9.5	12.5	White and orange striated SAND w/ clay, moist	6.2		
12.5	13.5	Orange SAND w/ silt, moist, soft	10.2		
13.5	14	Purple and gray CLAY w/ silt. med. stiffness	12.7		4,6,6,12 @13.5'
14	15.5	White SAND, soft, wet	14.7	14.5'	
15.5	16	White and orange mottled SAND w/ clay, med. stiff	9.8		
16	19	Beige CLAY w/ sand and silt, moist, soft	6.1		38,20,15, 15 @18.5
19	19.5	Purple and red CLAY, stiff	0		
19.5	20	White/gray/orange SAND and quartz GRAVEL, very stiff	0		
20	25	GRAVEL w/ beige sand and silt, wet, loose	0		38,26,20, 20 @ 23.5

Water Level of Completed Well					
First water (ft. bgs) 7.65 Date/Time Measured 10.13 15:45					
Static Water (ft. bgs) 9.50 Date/Time Measured 10.18.11					

Well Construction Details			
Well Diameter (inches) 4			
Depth to Top of Bentonite Seal (ft. bgs)	1.5		
Depth to Bottom of Bentonite Seal (ft. bgs)	2.5		
Depth to Top of Sand Pack (ft. bgs)	2.5		
Depth to Bottom of Sand Pack (ft. bgs)	23.4		
Depth to Top of Solid Casing (ft. bgs)	0.5		
Depth to Bottom of Solid Casing (ft. bgs)	3.5		
Depth to Top of Screen (ft. bgs)	3.5		
Depth to Bottom of Screen (ft. bgs)	23.39		
Solid Casing and Screen Material	Schedule 40 PVC		
Screen Slot Size	10		

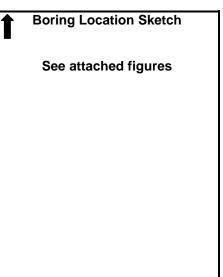


Page of Page	Boring / Well Completion Report		
Boring / Well ID MW-9	Permit Number Permit Date		
Date Work Began 10.20.11 8:15	Date Work Ended 10.20.11 13:5	55 AEC Project No. 05-056 RF-96	
Address 500 Mechanics Valley Roa	d City / State	North East, MD	

	Geologic Log						
Drilling M	lethod F	ISA	Drilling Fluid				
	Boring Diameter (inches) 6.25" Drilling Contractor Carl Hugo						
Depth Surf	from face		Description				
Feet	Feet		Soil Classification		PID	Sample Interval	Blow counts
0	1	Asphalt and grave	l fill		0		
1	3.5	Brown silty SAND			1.2		12,12,14, 14@3.5'
3.5	5.5	Beige and orange	sandy CLAY, stiff		3.1@4 4.6@5		
5.5	6.5	Brown clayey SAN	ND, dry		16.2	6'	
6.5	7.5	Reddish SAND w	clay and gravel, very s	tiff	11.3		
7.5	9	Red clayey SAND, dry, stiff		0		8,8,9,9 @8.5'	
9	9.5	Red and purple CLAY, stiff		0			
9.5	13.5	Beige mottled CLAY, stiff		0@10 1.4@11			
13.5	15	Beige and orange mottled CLAY w/ sand, stiff		1.2		7,7,9,8 @13.5'	
15	17.5	Beige and orange	mottled sandy CLAY		0		
17.5	18	Beige sandy CLA	Y, moist		0		
18	20.5	Orange SAND and quartz GRAVEL, very stiff		0	-	33,33,15, 10 @18.5	
20.5	22	Red sandy CLAY,	moist		0		
22	24	Clayey SAND, we	t, loose		0		
24	25	Gray and oran	ge striated silty CLA	Y, stiff	0		

Water Level of Completed Well				
First water (ft. bgs) 10.89	Date/Time Measured 10.20 12:55			
Static Water (ft. bgs) 11.87	Date/Time Measured 10.16.11			

Well Construction Details				
Well Diameter (inches)	4			
Depth to Top of Bentonite Seal (ft. bgs)	1.5			
Depth to Bottom of Bentonite Seal (ft. bgs)	2.5			
Depth to Top of Sand Pack (ft. bgs)	2.5			
Depth to Bottom of Sand Pack (ft. bgs)	23.6			
Depth to Top of Solid Casing (ft. bgs)	0.5			
Depth to Bottom of Solid Casing (ft. bgs)	3.5			
Depth to Top of Screen (ft. bgs)	3.5			
Depth to Bottom of Screen (ft. bgs)	23.60			
Solid Casing and Screen Material	Schedule 40 PVC			
Screen Slot Size	10			

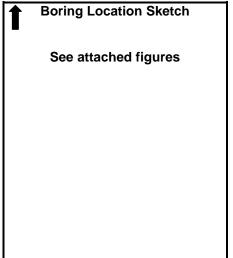


Page of Page	Boring / Well Completion Report		
Boring / Well ID MW-10	Permit Number Permit Date		
Date Work Began 10.20.11 12:46	Date Work Ended 10.24.11 11:4	5 AEC Project No. 05-056 RF-96	
Address 500 Mechanics Valley Roa	oad City / State North East, MD		

Geologic Log					
Drilling Method HSA Drilling Fluid					
Boring Diameter (inches) 6.25" Drilling Contractor Carl Hugo					
	Depth from Description Surface				
Feet	Feet	Soil Classification	PID	Sample Interval	Blow counts
0	1	Grass, topsoil	0		
1	4	Orangish silty SAND, stiff, fill	0		50+ over 6" @3.5'
4	7	Orangish silty SAND and GRAVEL, fill	1.7		
7	8	Reddish brown silty SAND w/ clay	35	7'	
8	9.5	Orangish SAND and GRAVEL, stiff	12.3		14,11,9,7 @8.5'
9.5	10	Red, white , brown SAND w/clay and gravel, stiff	3.6		
10	12.5	White clay w/ SAND, stiff	2.1		
12.5	14.5	Red and white SAND w/ clay, stiff	6.5		6,6,6,7 @13.5'
14.5	17	White and orange mottled CLAY w/ sand, stiff	1.2		
		Drilling equipment failure :15:00 10.20.11			
		Resume 8:15 10.24.11			
18.5	23.5	Brown sandy CLAY, wet	0		50 over 6" @18.5
23.5	25	White and orange CLAY w/ sand and gravel, stiff	0		6,6,8,8 @23.5

Water Level of Completed Well				
First water (ft. bgs) 8.40 Date/Time Measured 10.24 9:45				
Static Water (ft. bgs) 10.08 Date/Time Measured 10.26.11				

Well Construction Details				
Well Diameter (inches)	4			
Depth to Top of Bentonite Seal (ft. bgs)	2.5			
Depth to Bottom of Bentonite Seal (ft. bgs)	3.5			
Depth to Top of Sand Pack (ft. bgs)	3.5			
Depth to Bottom of Sand Pack (ft. bgs)	24.4			
Depth to Top of Solid Casing (ft. bgs)	0.5			
Depth to Bottom of Solid Casing (ft. bgs)	4.4			
Depth to Top of Screen (ft. bgs)	4.4			
Depth to Bottom of Screen (ft. bgs)	24.40			
Solid Casing and Screen Material	Schedule 40 PVC			
Screen Slot Size	10			

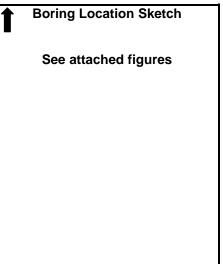


Page of	Page		Boring / Well Completion Report				
Boring / W	ell ID	MW-11	Permit Number Permit Date				
Date Work	Began	10.24.11 11:34	Date Work Ended	10.24.11 18:20	0	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State	Nort	h East, MD		

			Geologic	Log			
Drilling Method HSA Drilling Fluid							
	Boring Diameter (inches) 6.25" Drilling Contractor Carl Hugo						
	h from rface			Description			
Feet	Feet		Soil Classification		PID	Sample Interval	Blow counts
0	1	Grass, topsoil			0		
1	3.5	Brown clayey S	SAND w/ silt		0		
3.5	5	Brown and tan	Brown and tan clayey SAND w/ gravel, stiff				12,12,13, 14 @3.5'
5	8.5	Red silty CLAY	' w/ gravel		8.6		
8.5	10	Purple CLAY, v	Purple CLAY, very stiff				12,15,20, 24 @8.5'
10	13	Multicolored C	Multicolored CLAY, very stiff				
13	14.5	Reddish brown	Reddish brown silty CLAY		10.3		12,15,20, 24 @13.5'
14.5	15	Brown sandy C	CLAY w/ gravel		13.1		
15	17.5	White silty CLA	ΛΥ		0.5	15'	
17.5	20	White and tan	clayey SAND, soft		0		12,10,10, 10 @18.5
20	22	Orangish SAN	D, soft, loose		0		
22	24	Red and white	, clayey SAND, loos	е	0		
24	25	Orange SAND	w/ quartz gravel, ve	ry stiff	0		23,30,42, 50 @23.5

Water Level of Completed Well						
First water (ft. bgs) 14.53	Date/Time Measured 10.24 17:20					
Static Water (ft. bgs) 13.90	Date/Time Measured 10.26.11					

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	2.5				
Depth to Bottom of Bentonite Seal (ft. bgs)	3.5				
Depth to Top of Sand Pack (ft. bgs)	3.5				
Depth to Bottom of Sand Pack (ft. bgs)	24.4				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	4.5				
Depth to Top of Screen (ft. bgs)	4.4				
Depth to Bottom of Screen (ft. bgs)	24.40				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

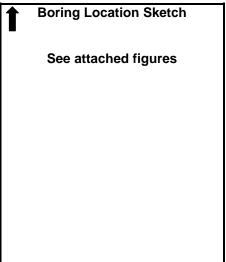


Page of Page	Boring / Well Completion Report				
Boring / Well ID MW-12	Permit Number Permit Date				
Date Work Began 10.24.11 15:30	Date Work Ended 10.25.11	13:20 AEC Project No. 05-056 RF-96			
Address 500 Mechanics Valley Roa	nd City / Stat	te North East, MD			

		Geologic Log						
	Drilling Method HSA Drilling Fluid							
Boring Diameter (inches) 6.25" Drilling Contractor Carl Hugo								
	th from rface	Description						
Feet	Feet	Soil Classification	PID	Sample Interval	Blow counts			
0	1	Grass, topsoil	0					
1	4	Orangish SAND w/ gravel	0		14,14,15, 16 @3.5'			
4	7	Tan silty SAND, loose	0					
7	8.5	Orange clayey SAND w/ gravel, stiff	0					
8.5	13	Reddish clayey SAND w/ gravel	0	12'	14,12,12, 14 @8.5'			
13	17	White, red, and tan mottled CLAY, med. stiff	0		5,6,6,6 @13.5'			
17	18	Beige silty CLAY	0					
18	20	Beige and orange silty clay, soft, moist	0		4,4,3,4 @18.5'			
20	23	Red and white silty CLAY, soft	0					
23	24	Black and gray SAND and GRAVEL (organic)	0		32,20,8,6 @23.5			
24	25	Orange SAND w/ quartz gravel	0					
	-							

Water Level of Completed Well						
First water (ft. bgs) 11.74 Date/Time Measured 10.25 12:20						
Static Water (ft. bgs) 11.23	Date/Time Measured 10.26.11					

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	2.5				
Depth to Bottom of Bentonite Seal (ft. bgs)	3.5				
Depth to Top of Sand Pack (ft. bgs)	3.5				
Depth to Bottom of Sand Pack (ft. bgs)	24.9				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	4.9				
Depth to Top of Screen (ft. bgs)	4.9				
Depth to Bottom of Screen (ft. bgs)	24.91				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

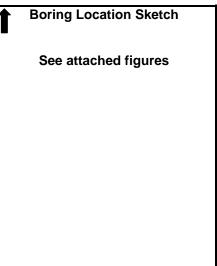


Page	of Page		Boring / Well Completion Report				
Boring /	Well ID	MW-13	Permit Number			Permit Date	
Date Wo	rk Began	10.25.11 12:00	Date Work Ended	10.25.11 17:50	0	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State	Nort	h East, MD		

	Geologic Log						
Drilling Method HSA Drilling Fluid							
Boring Diameter (inches) 6.25" Drilling Contractor Carl Hugo							
Sur	n from face			Description			
Feet	Feet		Soil Classification		PID	Sample Interval	Blow counts
0	1	Grass, topsoil			0		
1	2	Reddish brown	silty SAND w/ grav	rel	0		7,8,12,18 @3.5'
2	5	Brown silty SA	Brown silty SAND				
5	10	Brown and gra	Brown and gray SAND w/ clay and gravel				
10	11	Red and white	mottled CLAY		3.1		
11	13.5	Beige silty CLA	Beige silty CLAY, soft			11'	
13.5	15.5	Orange SAND	and GRAVEL, wet,	very stiff	2.0		20,12,14, 18 @13.5'
15.5	19.5	Red and beige	silty CLAY		0		8,5,4,4 @18.5'
19.5	23.5	Beige and orar	nge mottled CLAY w	ı/ gravel	1.0		
23.5	25	Beige and orar	nge striated clayey S	SILT, loose	0.3		

Water Level of Completed Well					
First water (ft. bgs) 7.09	Date/Time Measured 10.25 16:50				
Static Water (ft. bgs) 7.00	Date/Time Measured 10.26.11				

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	3				
Depth to Bottom of Bentonite Seal (ft. bgs)	4				
Depth to Top of Sand Pack (ft. bgs)	4				
Depth to Bottom of Sand Pack (ft. bgs)	25				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	5				
Depth to Top of Screen (ft. bgs)	5				
Depth to Bottom of Screen (ft. bgs)	25.08				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

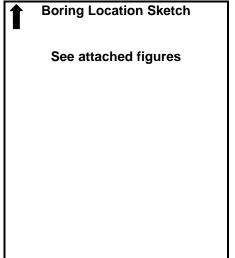


Page of Page	Boring / Well Completion Report			
Boring / Well ID MW-14	Permit Number		Permit Date	
Date Work Began 10.26.11	Date Work Ended	10.26.11	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Ro	ad	City / State No	orth East, MD	

	Geologic Log							
Drilling M		ISA		Drilling Fluid				
	iameter (iı	nches)	6.25"	Drilling Contractor	Carl Hugo			
Depth Sur	n from face				Description			
Feet	Feet			Soil Classification		PID	Sample Interval	Blow counts
0	1	Grass,	topsoil			0		
1	2	Brown	silty SA	ND w/ asphalt		0		
2	5	Brown	rown sandy SAND					
3.5	10	Tan sa	ndy SIL	Т		0		
8.5	11	Tan S <i>P</i>	AND			0	11'	
12	25	Tan S <i>A</i>	AND, we	et		0		
		Tern	ninated	@ 25.0'				

Water Level of Completed Well					
First water (ft. bgs) 9.29 Date/Time Measured 10.26.11					
Static Water (ft. bgs) 9.13	Date/Time Measured 10.27.11				

Well Construction Details				
Well Diameter (inches)	4			
Depth to Top of Bentonite Seal (ft. bgs)				
Depth to Bottom of Bentonite Seal (ft. bgs)				
Depth to Top of Sand Pack (ft. bgs)				
Depth to Bottom of Sand Pack (ft. bgs)				
Depth to Top of Solid Casing (ft. bgs)				
Depth to Bottom of Solid Casing (ft. bgs)				
Depth to Top of Screen (ft. bgs)	5.0			
Depth to Bottom of Screen (ft. bgs)	25.10			
Solid Casing and Screen Material	Schedule 40 PVC			
Screen Slot Size	10			

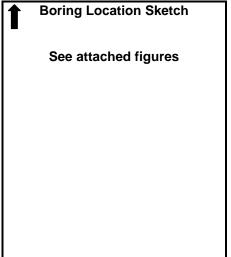


Page of Page	Boring / Well Completion Report			
Boring / Well ID MW-15	Permit Number		Permit Date	
Date Work Began 10.26.11	Date Work Ended	10.26.11	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Ro	ad	City / State No	orth East, MD	

	Geologic Log							
Drilling N		ISA		Drilling Fluid				
	iameter (i	nches)	6.25"	Drilling Contractor	Carl Hugo			
	n from face				Description			
Feet	Feet			Soil Classification		PID	Sample Interval	Blow counts
0	1	Grass,	topsoil			0		
1	2	Brown	sandy S	SILT w/ asphalt		0		
2	3.5	Brown	sandy S	SILT		0		
3.5	8.5	Browni	rownish tan SAND, moist					
8.5	10.5	Browni	Brownish tan SAND, wet				9'	
10.5	14	Brown	Brown SAND, wet					
14	18	White :	SAND, v	vet		0		
18	25	Tan S/	ND, we	t		0		
		Tern	ninated	@ 25.0'				

Water Level of Completed Well					
First water (ft. bgs) 14.81 Date/Time Measured 10.26.11					
Static Water (ft. bgs) 14.87	Date/Time Measured 10.28.11				

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)					
Depth to Bottom of Bentonite Seal (ft. bgs)					
Depth to Top of Sand Pack (ft. bgs)					
Depth to Bottom of Sand Pack (ft. bgs)					
Depth to Top of Solid Casing (ft. bgs)					
Depth to Bottom of Solid Casing (ft. bgs)					
Depth to Top of Screen (ft. bgs)					
Depth to Bottom of Screen (ft. bgs)					
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

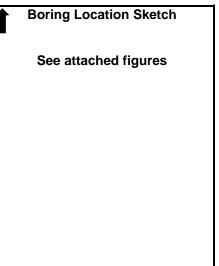


Page	of Page		Boring / Well Completion Report			
Boring /	Well ID	MW-16	Permit Number Permit Date			
Date Wo	rk Began	10.27.11 15:40	Date Work Ended	10.27.11 21:20	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State Nor	th East, MD		

		Geologic Log			
Drilling I	Method I	HSA Drilling Fluid			
	Diameter (i	· · · · · · · · · · · · · · · · · · ·			
Depth from Description Surface					
Feet	Feet	Soil Classification	PID	Sample Interval	Blow counts
0	1	Grass, topsoil	0		
1	3	Brown silty SAND	0.1		
3	4	Orange coarse SAND w/ clay, very stiff	4.1		16,15,11, 11 @3.5'
4	6	Tan SAND w/ clay, stiff	2.2		
6	7	Beige CLAY w/ silt	2.0		
7	10	Beige clayey SAND	2.2		9,9,9,9 @8.5'
10	12	Multicolored silty SAND, loose	4.8	10'	
12	14	Tan clayey SAND	1.3		6,6,6,6 @13.5'
14	15	Red and tan CLAY w/ sand, soft	0		
15	17	Orange running SANDs	0		
17	21	Purple and white mottled CLAY, stiff	4.3		12,10,8,8 @18.5'
21	22	Tan sandy CLAY w/ gravel	0		
22	24	Multicolored CLAY, stiff	0		24,26,50+ @23.5
24	25	Orange SAND and quartz gravel, very stiff	0		

Water Level of Completed Well					
First water (ft. bgs) 7.24 Date/Time Measured 10.27 20:3					
Static Water (ft. bgs) 7.01	Date/Time Measured 10.30.11				

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	1.5				
Depth to Bottom of Bentonite Seal (ft. bgs)	2.5				
Depth to Top of Sand Pack (ft. bgs)	2.5				
Depth to Bottom of Sand Pack (ft. bgs)	23.4				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	3.5				
Depth to Top of Screen (ft. bgs)	3.5				
Depth to Bottom of Screen (ft. bgs)	23.45				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

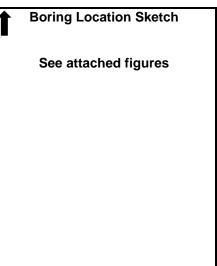


Page	of Page		Boring / Well Completion Report			
Boring /	Well ID	RW-7	Permit Number		Permit Date	
Date Wo	rk Began	10.13.11 8:25	Date Work Ended	10.13.11 12:30	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State No	rth East, MD		

	Geologic Log					
Drilling N	/lethod F	ISA Drilling Fluid				
	iameter (i	, , ,				
	Depth from Description Surface					
Feet	Feet	Soil Classification	PID	Sample Interval	Blow counts	
0	1.5	Asphalt/gravel fill	0			
1.5	3.5	Tan silty SAND w/ clay	0			
3.5	4.5	Beige SAND w/ clay	0		5,5,6,8 @3.5'	
4.5	5	Orangish SAND	0			
5	5.5	Beige CLAY, stiff	0			
5.5	8	Beige and gray CLAY	0			
8	9	Beige CLAY w/ silt	2.8		9,7,6,6 @8.5'	
9	10.5	White/orange mottled SAND w/ clay, med stiff	17.1			
10.5	12	Orangish SAND	95.5			
12	14.5	Orangish beige CLAY w/ sand, moist	252	13'	6,4,3,4 @13.5'	
14.5	16	Beige CLAY w/ silt, loose	101			
16	18.5	Beige clayey SILT, loose	60			
18.5	20	Tan CLAY	61		12,8,8,8 @18.5'	
20	21	Orangish SAND and gravel, loose, wet	0			
21	23	Beige SAND w/ clay, loose, moist	0			
23	24	Purple/gray CLAY, very dense	0		13,12,7,7 @23.5'	
24	25	Orange and gray striated SILT	0			

Water Level of Completed Well					
First water (ft. bgs) 13.25	Date/Time Measured 10.	13 10:45			
Static Water (ft. bgs) 12.64 Date/Time Measured 10.16.11					

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	3				
Depth to Bottom of Bentonite Seal (ft. bgs)	4				
Depth to Top of Sand Pack (ft. bgs)	4				
Depth to Bottom of Sand Pack (ft. bgs)	25.2				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	5				
Depth to Top of Screen (ft. bgs)	5				
Depth to Bottom of Screen (ft. bgs)	25.28				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

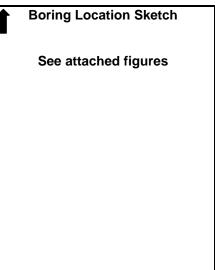


Page of Page)	Boring / Well Completion Report				
Boring / Well ID	RW-8	Permit Number			Permit Date	
Date Work Bega	n 10.13.11 16:00	Date Work Ended	10.13.11 20:5	5	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State	Nort	h East, MD	

	Geologic Log						
Drilling I	Method F	ISA	Drilling Fluid				
	iameter (i	nches) 6.25"	Drilling Contractor	Carl Hugo			
Depth from				Description			
Surface Soil Classification			Soil Classification		PID	Sample	Blow counts
						Interval	
0	1	Asphalt/gravel	fill		0		
1	2	Sandy gravel			0		
2	3.5	Brown silty SA	ND, med. stiffness		0		
3.5	4.5	Purple/gray SII	_T w/ clay, med. stif	fness	0		12,12,11, 11 @3.5'
4.5	8.5	Beige sandy S	LT, soft		0.3		
8.5	9.5	Beige silty SAN	Beige silty SAND, med. stiffness				5,5,4,4 @8.5'
9.5	10	Brown silty SA	Brown silty SAND, stiff				
10	13	Orange SAND	w/ silt, wet, soft		0		
13	15	Orange SAND	Orange SAND w/ clay, wet, stiff		0	13.5'	14,12,8,7 @13.5'
15	17	Purple and gra	y mottled CLAY, ve	ry stiff	0		
17	18.5	Orange SAND			0		
18.5	19.5	Purple and gra	y mottled CLAY, ve	ry stiff	0		
19.5	23		ange, mottled CLAY		0		
23	23.5	Purple/gray CL	AY, very stiff, wet		0		
23.5	25	White SAND a	nd GRAVEL w/ clay	, very stiff	0		40,35,35, 30 @23.5'

Water Level of Completed Well					
First water (ft. bgs) 9.82	Date/Time Measured	10.13	19:32		
Static Water (ft. bgs) 14.45	Date/Time Measured	10.16	.11		

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	2				
Depth to Bottom of Bentonite Seal (ft. bgs)	3				
Depth to Top of Sand Pack (ft. bgs)	3				
Depth to Bottom of Sand Pack (ft. bgs)	24.3				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	4.3				
Depth to Top of Screen (ft. bgs)	4.3				
Depth to Bottom of Screen (ft. bgs)	24.34				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

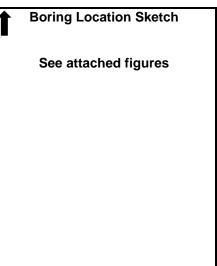


Page of Pag	е	Boring / Well Completion Report			
Boring / Well ID	RW-9	Permit Number		Permit Date	
Date Work Beg	an 10.14.11 11:35	Date Work Ended	10.14.11 16:50	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State No	rth East, MD	

	Geologic Log						
Drilling N	/lethod F	-ISA	Drilling Fluid				
	iameter (i	nches) 6.25"	Drilling Contractor	Carl Hugo			
	h from			Description			
Surface Feet Feet			Soil Classification		PID	Sample	Blow counts
reet	reet				PID	Interval	Blow Courits
0	1	Asphalt/gravel			0		
1	3.5	Brown silty SA	ND w/ clay		0		
3.5	5.5	Orangish brow	n silty SAND, moist		0		
5.5	8	Brown silty SA	ND w/ clay, stiff		0		
8	10	Brown SAND v	v/ clay		0		6,5,5,5 @8.5'
10	13	Beige and orar	nge mottled CLAY w	/ sand, stiff	0		
13	14		n mottled CLAY w/ s		0		4,4,8,8 @13.5'
14	15	Multicolored C	LAY w/ sand, stiff		0		
15	18.5	Red, white, an	d purple mottled CL	AY w/ sand	0	13.5'	
18.5	19	Red and purple	e CLAY, very stiff		0		6,6,7,10 @18.5'
19	20	White CLAY w	/ sand, stiff		0		
20	23	Tan and orang stiffness	e mottled CLAY w/ s	sand, med.	0		
23	25	Multicolored C	LAY, very stiff		0		50 over 6" @23.5'

Water Level of Completed Well					
First water (ft. bgs) 7.64	Date/Time Measured	10.14 16:00			
Static Water (ft. bgs) 6.82	Date/Time Measured	10.16.11			

Well Construction Details					
Well Diameter (inches)	4				
Depth to Top of Bentonite Seal (ft. bgs)	1				
Depth to Bottom of Bentonite Seal (ft. bgs)	1				
Depth to Top of Sand Pack (ft. bgs)	2				
Depth to Bottom of Sand Pack (ft. bgs)	22.5				
Depth to Top of Solid Casing (ft. bgs)	0.5				
Depth to Bottom of Solid Casing (ft. bgs)	2.5				
Depth to Top of Screen (ft. bgs)	2.5				
Depth to Bottom of Screen (ft. bgs)	22.51				
Solid Casing and Screen Material	Schedule 40 PVC				
Screen Slot Size	10				

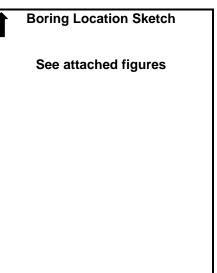


Page of Pag	je	Boring / Well Completion Report				
Boring / Well II	RW-10	Permit Number			Permit Date	
Date Work Beg	an 10.17.11 17:35	Date Work Ended	10.14.11 16:5	50	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road		City / State	Nort	h East, MD		

	Geologic Log						
Drilling I		ISA	Drilling Fluid				
	Diameter (ii	nches) 6.25"	Drilling Contractor	Carl Hugo			
	Depth from Description Surface						
Feet	Feet		Soil Classification		PID	Sample	Blow counts
1 001	1 001				1 10	Interval	Diow counts
0	0.5	Concrete			0		No split spoons
0.5	1	Gravel fill			16.2		
1	2	Brown silty SA	ND		28.7		
2	3.5	Tan silty SAND)		16.7		
3.5	5.5	Brown silty SA	ND, med. Stiff		211		
5.5	8	Tan silty SAND) w/ clay		869	6'	
8	9	Brown sandy C	CLAY w/ silt		649		
9	10	Tan silty CLAY	,		193		
10	15	Red CLAY w/s	silt and sand, stiff		93@11 180@13 234@14		
15	16.5	Red and white	silty CLAY		170		
16.5	18		and and silt w/ grave	I, moist	74.1		
18	20	Tan sandy CL/	AY w/ gravel, moist		63.2		
20	23		AY w/ gravel, stiff		25.4		
23	25	GRAVEL/ROC stiff	K w/ red clay and tar	sand, very	9.2		
							ļ

Water Level of Completed Well			
First water (ft. bgs) Date/Time Measured			
Static Water (ft. bgs) 12.6	Date/Time Measured 10.19.11		

Well Construction Details				
Well Diameter (inches)	4			
Depth to Top of Bentonite Seal (ft. bgs)	.5			
Depth to Bottom of Bentonite Seal (ft. bgs)	1.5			
Depth to Top of Sand Pack (ft. bgs)	1.5			
Depth to Bottom of Sand Pack (ft. bgs)	25			
Depth to Top of Solid Casing (ft. bgs)	0.5			
Depth to Bottom of Solid Casing (ft. bgs)	5			
Depth to Top of Screen (ft. bgs)	5			
Depth to Bottom of Screen (ft. bgs)	25			
Solid Casing and Screen Material	Schedule 40 PVC			
Screen Slot Size	10			

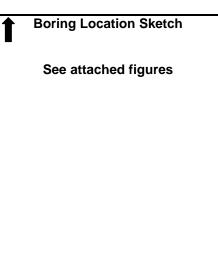


Page	of Page		E	Boring / Well Completion Report		
Boring / V	Well ID	RW-11	Permit Number		Permit Date	
Date Wor	k Began	10.18.11 0:30	Date Work Ended	10.18.11 6:30	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road		City / State Nor	th East, MD			

			Geologic	C Log				
Drilling N	/lethod	HSA	Drilling Fluid					
	iameter (inches) 6.25	" Drilling Contractor	Carl Hugo				
	h from face			Description				
Feet	Feet		Soil Classification		PID	Sample Interval	Blow counts	
0	0.5	Asphalt/grav	el fill		0		No split spoons	
0.5	1	Brown silty S	SAND w/ clay		10.1			
1	2	Orangish bro	own silty SAND, mois	t	9.5			
2	5	Brown silty S	SAND w/ clay, stiff		8.9			
5	8	Brown SANI	O w/ clay		1078			
8	9	Beige and o	range mottled CLAY v	w/ sand, stiff	1690	8'		
9	12.5	Orange and	tan mottled clay w/ sa	and, stiff	401@9 294@11.5 35.5@12.5			
12.5	14	Multicolored	CLAY w/ sand, stiff		35.5			
14	18	Red, white,	and purple mottled Cl	₋AY w/ sand	32@15 73@17			
18	22	Red and pur	ple CLAY, very stiff		32@18 45.1@21			
22	25	White CLAY	w/ sand, stiff		24			

Water Level of Completed Well					
First water (ft. bgs) 10.92 Date/Time Measured 10.18 5:43					
Static Water (ft. bgs) 11.17 Date/Time Measured 10.19.11					

Well Construction Details				
Well Diameter (inches)	4			
Depth to Top of Bentonite Seal (ft. bgs)	1.5			
Depth to Bottom of Bentonite Seal (ft. bgs)	2.5			
Depth to Top of Sand Pack (ft. bgs)	2.5			
Depth to Bottom of Sand Pack (ft. bgs)	23.4			
Depth to Top of Solid Casing (ft. bgs)	0.5			
Depth to Bottom of Solid Casing (ft. bgs)	3.5			
Depth to Top of Screen (ft. bgs)	3.5			
Depth to Bottom of Screen (ft. bgs)	23.46			
Solid Casing and Screen Material	Schedule 40 PVC			
Screen Slot Size	10			

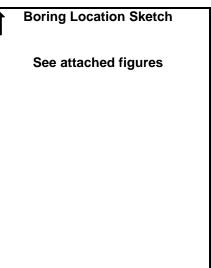


Page of Page	E	Boring / Well Co	mpletion Repor	rt
Boring / Well ID RW-12	Permit Number		Permit Date	
Date Work Began 10.19.11	Date Work Ended	10.19.11 18:45	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road		City / State Nort	th East, MD	

		Geologic Log			
Drilling I	Method F	ISA Drilling Fluid			
	Diameter (i	nches) 6.25" Drilling Contractor Carl Hugo			
	Depth from Description Surface				
Feet	Feet	Soil Classification	PID	Sample Interval	Blow counts
0	1	Asphalt/gravel fill	0		
1	3.5	Brown silty SAND	0		
3.5	4.5	Red and beige CLAY w/ sand, soft	22		10,10,11, 11 @3.5'
4.5	6.5	Purple and red CLAY, stiff	27		
6.5	9	Tan SAND w/ clay, stiff	21		10,8,5,4 @8.5'
9	10.5	Beige and red CLAY, very stiff	25		
10.5	13.5	Tan SAND w/ clay, wet, soft	32	11'	
13.5	14.5	Multicolored CLAY, stiff	0		4,5,6,6 @13.5'
14.5	16	Beige CLAY, stiff	0		
16	18.5	Reddish CLAY and SAND	0		
18.5	19.5	Beige CLAY w/ sand, stiff	0		8,10,10 @18.5'
19.5	20.5	Beige SAND w/ clay	0		
20.5	23	Reddish CLAY w/ sand	0		
23	25	Orange sandy CLAY w/ gravel, very stiff	0		50 over 5" @23.5'

Water Level of Completed Well					
First water (ft. bgs) 9.12 Date/Time Measured 10.19 17:50					
Static Water (ft. bgs) 11.19 Date/Time Measured 10.20.11					

Well Construction Details				
Well Diameter (inches)	4			
Depth to Top of Bentonite Seal (ft. bgs)	1.5			
Depth to Bottom of Bentonite Seal (ft. bgs)	2.5			
Depth to Top of Sand Pack (ft. bgs)	2.5			
Depth to Bottom of Sand Pack (ft. bgs)	23.5			
Depth to Top of Solid Casing (ft. bgs)	0.5			
Depth to Bottom of Solid Casing (ft. bgs)	3.5			
Depth to Top of Screen (ft. bgs)	3.5			
Depth to Bottom of Screen (ft. bgs)	23.45			
Solid Casing and Screen Material	Schedule 40 PVC			
Screen Slot Size	10			

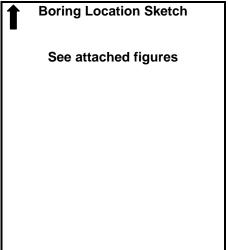


Page	of Page		Boring / Well Completion Report			
Boring / V	Well ID	RW-13	Permit Number Permit Date			
Date Wor	k Began	10.27.11 10:30	Date Work Ended	10.27.11 16:00	AEC Project No.	05-056 RF-96
Address 500 Mechanics Valley Road			City / State Nort	th East, MD		

		Geologic Log		
Drilling I	Method	HSA Drilling Fluid		
	Diameter (nches) 6.25" Drilling Contractor Ca	arl Hugo	
	h from rface	Des	scription	
Feet	Feet	Soil Classification	PID	Sample Blow counts Interval
0	1	Asphalt/gravel fill	0	
1	4.5	Brown silty SAND	0.7	10,14 @3.5'
4.5	7	Tan silty SAND w/ clay , stiff	78	
7	8.5	Beige sandy CLAY	350	
8.5	12.5	Beige and orange mottled silty CLAY	145	7,7,6 @8.5'
12.5	13.5	Tan sandy CLAY, moist	566	12.5'
13.5	14	Red and beige mottled CLAY	190	4,4,4 @13.5'
14	16.5	White and orange mottled sandy CLA	', soft 17.4	
16.5	18.5	Tan clayey SAND, wet, loose	9.6	
18.5	20	White and orange SAND w/clay, wet, I	oose 90.4	4,5,5 @18.5'
20	23	Red and tan sandy CLAY	159	
23	24.5	Tan SAND	362	8,8,8 @23.5
24.5	26	Quartz gravel w/ orange SAND	190	
26	30	Tan running SANDs	42.9	18,12,12, 11 @ 26

Water Level of Completed Well			
First water (ft. bgs) 12.91 Date/Time Measured 10.27 15:0			
Static Water (ft. bgs) 12.90	Date/Time Measured 10.28.11		

Well Construction Details			
Well Diameter (inches)	4		
Depth to Top of Bentonite Seal (ft. bgs)	3		
Depth to Bottom of Bentonite Seal (ft. bgs)	4		
Depth to Top of Sand Pack (ft. bgs)	4		
Depth to Bottom of Sand Pack (ft. bgs)	25		
Depth to Top of Solid Casing (ft. bgs)	0.5		
Depth to Bottom of Solid Casing (ft. bgs)	4.9		
Depth to Top of Screen (ft. bgs)	4.9		
Depth to Bottom of Screen (ft. bgs)	24.89		
Solid Casing and Screen Material	Schedule 40 PVC		
Screen Slot Size	10		



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OF ENVIRONMENT, 1000 WASHIN		PART Major (Part Major (Part) Major (
C 1 1719 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTYRoyal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY MD	22 25 26	CE - 10 -0138
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER KOYC FAIMS	ach a saile Vall tiret negli	12, 1h E. F
WELL SITE ADDRESS SUBDIVISION	echomics vally "" Town town	LOT
WELL LOG	GROUTING RECORD (705) 100	
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3 Recovery Well
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST NO 7est
DESCRIPTION (Use FEET check if water	CEMENT CM BENTONITE CLA BC	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS 46 1 5 NO. OF POUNDS 45 355	PUMPING RATE (gal. per min.)
17-Sphalt/Owel 0 1.5	DEPTH OF GROUT, SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
Bin Sitty Sund 115 3.5	from 0/ ft. to 03 ft.	
	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Bin Clayer SH 3.5 6.0	casing CASING RECORD	BEFORE PUMPING 17 20 ft.
w/satt	types insert appropriate ST CO	WHEN PUMPING ft.
Purplay Bin 6.0 7.0	code below PL OT	TYPE OF PUMP USED (for test)
Stiff Chy 3	PEASTIC OTHER	A air P piston T turbine
white & Ohorge 7.0 13.5	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other
Strated sund	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
W/c/0) 125 155 V	60 61 . 63 64 66 70	J jet S submersible
Pur peter 13.5 15.0	E OTHER CASING (if used) A diameter depth (feet)	27 27
Chen w Sand 15.5 50	H inch from to	PUMP INSTALLED
11/4/21/	Š	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
Purches chat	ğ	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
20 20	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A C.J.P.R.S.T.O.) 29
whicher your	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
May Sing	appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
Varave!	below PL OT	(to nearest gallon) 31 35
		PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED YES IND	$E = \frac{1}{8} = \frac{2}{9} = \frac{2}{11} = \frac{2}{17} = \frac{21}{17}$	CASING HEIGHT (circle appropriate box
WELL HYDROFRACTURED Y	c ₂	and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 23 24 26 30 32 36	LAND SURFACE
WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	C 3 FI 38 39 41 45 47 51	below (nearest)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 0 2 2 3	LATITUDE 39 .61 2625
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	N OLD I SIZE I S	LONGITUDE 75.934469
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	DIAMETER (NEAREST INCH)	(DEFAULT COORD. WGS 84)
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	NOTES:
DRILLERS MC.NO.1, M. B.D. D. 5 1	GRAVEL PACK 25 03	
(intki /hr)	IF WELL DRILLED WAS FLOWING WELL NSERT F IN BOX 68 68	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY	
LIC. NO.1 M 6 D 0 5/ 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	
	70 72	₩
SITE SUPERVISOR (sign. of driller or journeyman	TELESCOPE LOG 74 75 76	
responsible for sitework if different from permittee)	CASING INDICATOR OTHER DATA	

DRILLER: REMOVE COPY AND RETAIN FOR YOUR RECORDS. RETURN COUNTY COPY TO COUNTY ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT BOAT PRANCE BALL THIS ISE, WARRE AND 21230 SEQUENCE NO THIS REPORT MUST BE SUBMITTED WITHIN STATE OF MARYLAND C 1 (MDE USE ONLY) 45 DAYS AFTER WELL IS COMPLETED. **WELL COMPLETION REPORT** COUNTY Royal Farms Grdwtr (THIS NUMBER IS TO BE PUNCHED FILL IN THIS FORM COMPLETELY NUMBERInvest. - File IN COLS. 3-6 ON ALL CARDS) **PLEASE TYPE** PERMIT NO ST/CO USE ONLY DATE WELL COMPLETED Depth of Well FROM "PERMIT TO DRILL WELL" DATE Received CE - 10 0127 (TO NEAREST FOOT) 26 29 30 31 32 33 34 35 36 37 **OWNER WELL SITE ADDRESS** TOWN SUBDIVISION LOT WELL LOG **GROUTING RECORD** 3 WELL HAS BEEN GROUTED (Circle Appropriate Box) N (CO + Cra PUMPING Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING TYPE OF GROUTING MATERIAL (Circle one HOURS PUMPED (nearest hour) CEMENT CM BENTONITE CLAY DESCRIPTION (Use check if water bearing FEFT FROM TO NO. OF BAGS 45 PUMPING RATE (gal. per min.) NO. OF POUNDS GALLONS OF WATER. Ø METHOD USED TO DEPTH OF GROUT SEAL (to nearest foot) MEASURE PUMPING RATE 2 WATER LEVEL (distance from land surface) 3,5 (enter 0 if from surface) 18.5 **BEFORE PUMPING** CASING RECORD casing types CONCRETE insert V 15 WHEN PUMPING appropriate code OT TYPE OF PUMP USED (for test) below ۱۲ turbine MĂIN Nominal diameter Total depth CASING top (main) casing of main casing (nearest inch)! (nearest foot) YPE centrifuga (describe rotary below) 60 61 63 S submersible OTHER CASING (if used) depth (feet) diameter inch from to **PUMP INSTALLED** DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. SCREEN RECORD screen type TYPE OF PUMP INSTALLED or open hole PLACE (A,C,J,P,R,S,T,O) SIT BIR HIO IN BOX 29. insert CAPACITY: GALLONS PER MINUTE appropriate HOLE code OT (to nearest gallon) 35 **PUMP HORSE POWER** 41 DEPTH (nearest ft.) 2 PUMP COLUMN LENGTH (nearest ft.) NUMBER OF UNSUCCESSFUL WELLS: 43 CASING HEIGHT (circle appropriate box WELL HYDROFRACTURED Y N and enter casing height) above LAND SURFACE CIRCLE APPROPRIATE LETTER 24 26 30 32 36 A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED (nearest) below **ELECTRIC LOG OBTAINED** TEST WELL CONVERTED TO PRODUCTION _ATITUDE 3 9 SLOT SIZE 1 I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04 OF WELL CONSTRUCTION AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED LONGITUDE 75 . 93*466*1 (NEAREST DIAMETER OF SCREEN INCH) (DEFAULT COORD, WGS 84) HEREIN IS ACCURATE AND COMPLETE TO THE BEST KNOWLEDGE. from NOTES: DRILLERS LIC. NO. I GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL 68 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLIC MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) LIC. NO. 1 MB D 0 5/ 1 (E.R.O.S.) W Q ➂

LOG INDICATOR

TELESCOPE

74 75 76

OTHER DATA

SITE SUPERVISOR (sign. of driller or journeyman

responsible for sitework if different from permittee)

	and the second s		anger (n. Negeria n. 1964). Sam sam sam sam sam sam sam sam sam na sam na sam na sam na sam sam sam sam sam sa Sam samak na maka, sam sam samak samak samak samak na sam na sam sam samak na samak na samak na sam na sam na s	and the second section of the second section is the second section of the section
c ₁ 1712	SEQUENO (MDE USE		STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE PI IN COLS, 3-6 ON ALL CARE			FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTYRoyal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE Received	DATE WEL	COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
8 13	<u></u>	13	22 1 26 (TO NEAREST FOOT) 26	CE - 10 - 0131 28 29 30 31 32 33 34 35 36 37
OWNER		arms.	o I first name	11 11 2 11
WELL SITE ADDRESS	00-4 Mec	hanie	SECTION TOWN	LOT LOT
WELL	LOG		GROUTING RECORD no	C 3 No Pump Feet
Not required to STATE THE KIND OF FORMAT		THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box)	PUMPING TEST RECOVER
COLOR, DEPTH, THICKNESS DESCRIPTION (Use	AND IF WATER BE	check if water	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
additional sheets if needed)	FROM TO	bearing	NO. OF BAGS 45 46 5 NO. OF POUNDS 45 46 5	PUMPING RATE (gal. per min.)
ASPHALT 4	0 1,5		GALLONS OF WATER	METHOD USED TO MEASURE PUMPING RATE
Asphalt Lt Brn S: Hg Swod & Clay	1.5 3.5	ł	from ft. to ft.	WATER LEVEL (distance from land surface)
Sand Clay	1,,,,		(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING 17 20 ft.
Brn Clayen Sift	3.5 8,0		types insert appropriate ST CONCRETE	WHEN PUMPING ft.
Orange Sand	8.0 14	V	code below PL OTHER	TYPE OF PUMP USED (for test)
1 (1			MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
Lt. Bon - Drangl Swdgi			TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
Orange Swage	111/25	}	60 61 63 64 66 70	J jet S submersible
Silts Clan	19/2		E OTHER CASING (if used) A diameter depth (feet) H inch from to	27 27
			C	PUMP INSTALLED DRILLER INSTALLED PUMP YES (NO) (CIRCLE) (YES or NO)
		,	N	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
			screen type or open hole SCREEN RECORD S T B R H O	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.
			insert appropriate code below PL DOT	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
			PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSE	UL WELLS:	2_	DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED	yes Y		E 1 8 9 11 15 17 21 C.	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROP		<u> </u>	H 2 23 24 26 30 32 .36 S	49 LAND SURFACE
WHEN THIS WELL WAS	COMPLETED		C 3 R 38 39 41 45 47 51	below below (nearest)
P TEST WELL CONVERTED TO PRODUCTION WELL			E E SLOT SIZE 1 2 3	LATITUDE 39.3645.45"N
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE			DIAMETER OF SCREEN OF SCREEN	LONGITUDE 7 <u>5</u> °. <u>56′,0484</u> ′
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.			OF SCREEN INCH) INCH) from to	(DEFAULT COORD. WGS 84)
DRILLERS KIC. NO. 1 M C DO SI			GRAVEL PACK 25 03	NOTES:
DRILLERS SIGNATURE			F WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 1 6 D 5 1			MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO. 1 Z	- 60 - 3	<i>_L</i> +	T (E.R.O.S.) W Q	
SITE SUPERVISOR (sign. o			70 72 74 75 76	•
responsible for sitework if different from permittee)			TELESCOPE LOG CASING INDICATOR OTHER DATA	

and the second of the second o	The state of the s	And the second s
C 1 1718 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY Royal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE WELL COMPL	I	PERMIT NO. FROM "PERMIT TO DRILL WELL"
MM DD YY 8 13 15	22 2 26 20 (TO NEAREST FOOT)	CE-10 ·O137
OWNER PURE FACILIS		
WELL SITE ADDRESS ME STO ME	CHUNICS Valley "Cont TOWN	North East
SUBDIVISIONWELL LOG	GROUTING RECORD 00 000	LOT
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3 Recovery Well 1 2 PUMPINGUIEST NO TEST
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed) FROM TO check if water bearing	NO. OF BAGS 46 NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)
Asphalt/Grave 0 /	GALLONS OF WATER	METHOD USED TO
Brn S.H. Sal 1 3,5	pepth of grout SEAL (to nearest foot) from fr. to 7 ft.	MEASURE PUMPING RATE
1 D. 16 2(11) 2008/1 1 1 2	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Orange/Brn Sitto 3.5 5.5	casing types insert ST CO	BEFORE PUMPING 17 20 tt.
Sand Cl - Co	(appropriate) CONCRETE	WHEN PUMPING 22 25 tt.
	below PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine
Brn + Damp Oil 13	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other
Mottled chang	DYRE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
	60 61 63 64 66 70 E OTHER CASING (if used)	jet S submersible
Praye & Bin 13 15	A diameter depth (feet) H inch from to	21 21
	C	DRILLER INSTALLED PUMP YES NO
Redischite furte 15		(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
no Had chy	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
The E Order 20 25	or open hole ST BR HO insert STEEL BRASS OPEN	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
another	(appropriate code HOLE	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
clay	below PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH
yes (no	$\begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	(nearest ft.) 43 47 CASING HEIGHT (circle appropriate box
<u> </u>	A C 2	and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	23 24 26 30 32 36 S C 3	49 LAND SURFACE (nearest)
E ELECTRIC LOG OBTAINED	R 38 39 41 45 47 51	50 51 100t)
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	E SLOT SIZE 1 2 3	LATITUDE 39.6/2625
ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN 56 60 (NEAREST INCH)	LONGITUDE 7 <u>5</u> .934669 (DEFAULT COORD. WGS 84)
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to 0.3	NOTES:
DRILLERS LIC. NO. 1 MG D OS	IF WELL DRILLED	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	WAS FLOWING WELL WISERT F IN BOX 68 68 MDE USE ONLY	
LIC. NO. 1 76005/1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	
	70 72	₩
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	
	<u> </u>	•

		Continued to the continue of t
C 1 1.716 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY Royal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE Received MM DD YY MM PL	LETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 10 - 1035
8 13 2 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER ROYAL FARMS		
WELL SITE ADDRESS Trains 500	Mechanics Valley Ted Town	North East
SUBDIVISIONWELL LOG	SECTION	Clal O o w//
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3 Ready well
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one	PUMPING TEST NO LEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use FEET Check if water additional sheets if needed) FROM TO bearing	CEMENT CM BENTONITE CLAV BC	6 9
Concrete 0.5	NO. OF BAGS 46, S NO. OF POUNDS 256 GALLONS OF WATER	PUMPING RATE (gal. per min.) 11 15 METHOD USED TO
gravel 15	DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 54 BOTTOM 58 ft.	MEASURE PUMPING RATE
Bry clayer and 1 5	(enter 0 if from surface)	WATER LEVEL (distance from land surface) BEFORE PUMPING ft.
Tan sandyday 5 8	types insert ST CO	17 20
Beije and 8 12.5	(appropriate code	WHEN PUMPING 22 25 tt. TYPE OF PUMP USED (for test)
pupit que l'	MAIN Nominal diameter Total depth	A air P piston T turbine
Brice Sittyday 125 14	CASING top (main) casing of main casing OYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe
walte 31112 call	$\left \begin{array}{cccccccccccccccccccccccccccccccccccc$	27 27 below)
Red and being 14 22	E OTHER CASING (if used) A diameter depth (feet)	J jet S submersible
Silty Cky 1	C inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO
Bosi i Red >> >5	S N G	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
day sund	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	(appropriate code below) (appropriate P L O T	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED yes NO	$\begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C ₂ H 23 24 26 30 32 . 36	+ above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	(enearest) (nearest) foot)
P TEST WELL CONVERTED TO PRODUCTION WELL	R 38 39 41	LATITUDE 3 9. 6/26 25
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	N DIAMETER (NEAREST	LONGITUDE 7 5.934669
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	OF SCHEEN (NCH)	(DEFAULT COORD. WGS 84)
DRILLERS LICINO. 1 MG D Q51	GRAVEL PACK25,3,	NOTES:
DRILLERS-SIGNATURE	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1 # 6 D D 57 1	T (E.R.O.S.) W Q	_
OTE CUREDWOOD ()		₩
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76	

Committee of the Commit	The second secon	And the state of t
C 1 1723 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY Royal Farms Grdtw
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER InvestFile
ST/CO USE ONLY DATE WELL COMPL	· · · · · · · · · · · · · · · · · · ·	PERMIT NO. FROM "PERMIT TO DRILL WELL"
DATE Received MM DD YY 8 13 15 15	22 26 TO NEADEST FOOD	CE -10 - 0142
Part Fare	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
	hanics Valler "700 TOWN	Worth East
SUBDIVISION	SECTION	LOT
WELL LOG	WELL HAS BEEN GROUTED (Y) N	C 3 Recovery well
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	1 2 PUMPING TEST NO FEST
COLOR, DEPTH, THICKNESS AND IF WATER BEARING	CEMENT CM BENTONITE CLA (BC)	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS 46 S NO. OF POUNDS 25	PUMPING RATE (gal. per min.)
Concrete 0:5	GALLONS OF WATER, 5	METHOD USED TO
Gravel 5	DEPTH OF GROUT SEAL (to nearest foot) from 6 / ft. to 6 3 ft.	MEASURE PUMPING RATE
Bon Silth Sand 1 2	from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Tun silfy sand 2 315	casing CASING RECORD	BEFORE PUMPING 17 20 ft.
Bin Sitysand 3,5 5,5	types insert ST CO	WHEN PUMPING ft.
Tun silty scride 5,5 8	appropriate code PL OT	22 25
Clay 8 10	PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine
Bud Suld Glas	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 other
Red day W/siltisud 10 15	Type (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
Red & White 15 20	60 61 63 64 66 70	J jet S submersible
eilh Clan	E OTHER CASING (if used) A diameter depth (feet)	27 27
31117 20 20	C inch from to	PUMP INSTALLED
Bm sitycly 20 23	\$	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
me/fravel	N	IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
	or open hote ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	insert STEEL BRASS OPEN HOLE code	CAPACITY: GALLONS PER MINUTE
	below PLASER OTHER	(to nearest gallon) 31 36
		PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED Yes (No. 1)	$\begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	CASING HEIGHT (circle appropriate box
Y (N)	Ĉ,	and enter casing height)
A WELL WAS ABANDONED AND SEALED	H 23 24 26 30 32 36 S	LAND SURFACE (nearest)
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	below)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 2 3	LATITUDE 37.6/2625
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION" AND IN CONCENSION WITH ALL CONSTRUCTION STATES IN THE ACCUSE.	DIAMETER A 4 (NEAREST	LONGITUDE 75.934669
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCUPATE AND COMPLETE TO THE BEST OF MY	OF SCREEN OF SCR	(DEFAULT COORD. WGS 84)
KNOWLEDGE.	from to 0.5	NOTES:
DRILLERS/LIC/NO M.D.D. 2.5. 1	GRAVEL PACK IF WELL DRILLED	·
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	<u> </u>
(MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 1	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1 /LE DE 2 L 1	T (E.R.O.S.) W Q	•
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	Ψ
responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	

		According to the second
C 1 1713 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTYRoyal Farms Grdwtr NUMBERInvestFile
ST/CO USE ONLY DATE WELL COMP	LETED Depth of Well YY 22 26	PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 10 - 0132
8 13 15 20	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER /(Oya Farms	/ / //ikst pama/ /	Which do Pat
WELL SITE ADDRESS SUBDIVISION	CHGAICS VG WATER TOWN	LOT
WELL LOG	GROUTING RECORD 00	C 3 Monto, wellong
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	PUMPING TEST AND FOR
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed) FEOM TO check if water bearing	CEMENT CM BENTONITE CLAY BC NO. OF BAGS NO. OF POUNDS	8 9
AsmaltaGrave D	GALLONS OF WATER, J	PUMPING RATE (gal. per min.) 15 METHOD USED TO
B12 Si/12 Sund / 3,5	DEPTH OF GROUT, SEAL (to nearest foot) from ft. to ft.	MEASURE PUMPING RATE
Beige & Orange 20 70	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Sundy Clay 33 515	casing CASING RECORD types	BEFORE PUMPING 17 20 ft.
Bin Clayenson 5.5 6.5	(insert appropriate CONCRETE	WHEN PUMPING 22 25 tt.
Reddist scully 60 70	code below PLASTIC OTHER	TYPE OF PUMP USED (for test)
Clay & grave 1 90 13+	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
Rod Clayerson 9.0 135	CASING top (main) casing of main casing (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe below)
Bo selorate 135 15	60 61 63 64 66 70	J jet S submersible
A 1 205	E OTHER CASING (if used) A diameter depth (feet)	27 27
Deller	H inch from to	DRILLER INSTALLED PUMP YES NO
Red Sund May 20.5 25	s - z 	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS.
	or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	appropriate STEEL BRASS OPEN HOLE	CAPACITY: GALLONS PER MINUTE
	code below PL OT	(to nearest gallon) 31 35
	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH
NUMBER OF UNSUCCESSFUL WELLS:	TPL 25 OS	(nearest ft.)
WELL HYDROFRACTURED Yes	E	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 2 S 30 24 26 30 32 36	49 LAND SURFACE
WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	below (nearest)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 02 23	LATITUDE 39.6/2625
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	DIAMETER A 4 (NEAREST	LONGITUDE 75.934669
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	OF SCREEN U INCH)	(DEFAULT COORD. WGS 84)
DRILLERS OC. NO. N MG B D 3 1	1 25 03 1	NOTES:
Cul R. HD	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 66 68	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY	
LIC. NO. 1 MG D D 5 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	
		❸
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 TELESCOPE LOG OTHER DATA	

ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT

c 1 1720 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY Royal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE WELL COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL"
DATE Received	7) 22 2 26	CE - 10 - 0139
8 13	TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER Conce Ferm	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
WELL SITE ADDRESS last note 500 F	Lechanics Vallet name Rd TOWN	Morth East
SUBDIVISION	SECTION	LOT
WELL LOG Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3 Recovery
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	(Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
FEET check	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour) 8 9
additional sheets if needed) FROM TO bearing	NO. OF BAGS 45 46 NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)
Asphalf3 Caupl D	GALLONS OF WATER	METHOD USED TO
O CILC.	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE
Bra Sing Sural 1 2	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
Tay Sand w 1 7	(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING ft.
ctiff clay	types ST CO	17 20
Punde scrale 7 85	appropriate	WHEN PUMPING 22 25 tt.
Turple strong (000	below PLASUR OTHER	TYPE OF PUMP USED (for test)
Clan,	MAIN Nominal diameter Total depth	A air P piston T turbine
Rose land Oscare 8.5 12.5	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe
Had of the	PL 04 05	27 below)
Motilea Stiry	60 61 63 64 66 70	J jet S submersible
Clay 12:00 12:5 14	E OTHER CASING (if used) A diameter depth (feet)	27 27
really soil con	H inch from to	PUMP INSTALLED ORILLER INSTALLED PUMP ORILLER INSTALLED PUMP ORILLER INSTALLED PUMP ORILLER INSTALLED PUMP
white i Orange 14 16,5	\$ \$	CIRCLE) (YES OF NO)
Sandy clay	Ğ — L	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
Sand wiches 16.5 20	screen type SCREEN RECORD or open hole	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
	insert STEEL BRASS OPEN	IN BOX 29.
Tan 5,117 (lay 20)3	(appropriate code) PRONZE HOLE	CAPACITY: GALLONS PER MINUTE
Guerte grachi 15 30	below PLASTIC OTHER	(to nearest gallon) 31 35
oragesan	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH
NUMBER OF UNSUCCESSFUL WELLS:	TPY OF OF	(nearest ft.)
WELL HYDROFRACTURED Yes	E 1 8 8 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C 2	49 LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	23 24 26 30 32 36 S	(Page 1)
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	below below foot)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 2 3	LATITUDE 39.6/2625
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	DIAMETER O 4 (NEAREST	LONGITUDE 7.5.934669
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	OF SCREEN 66 INCH)	(DEFAULT COORD. WGS 84)
KNOWLEDGE.	from to AZ	NOTES:
DRILLERS LIO NO. 1 Me D	GRAVEL PACK 15 WELL DRILLED	
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO. 1 16 D 05 1	T (E.R.O.S.) W Q	
	70 72	●
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76	
- The state of the	CASING INDICATOR OTHER DATA	

OF COUNCING OF THE OWN ASIEN	TO BOOK TO THE TOTAL THE T	
C 1 1722 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY Royal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL" C.F 1.0 - 0.14.1
MM DD YY 70 70 24 15	22 2 3 26 (TO NEAREST FOOT) 26	CE - 10 - 0141 28 29 30 31 32 33 34 35 36 37
OWNER CONG Form	A Brothsome	Marth Fast
WELL SITE ADDRESS 500 FULL SUBDIVISION 500 FULL SUB	CYUMICS VI (14 COMM TOWN	LOT
WELL LOG Not required for driven wells	GROUTING RECORD WELL HAS BEEN GROUTED	C 3 Monitor /
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST WELL
DESCRIPTION (Use FEET check if water	CEMENT CIM BENTONITE CLA BC	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS 40 NO. OF POUNDS 4335	PUMPING RATE (gal. per min.)
Armail City 1 4	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
Sand	from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Drunge Solly 4 95	casing CASING RECORD	BEFORE PUMPING 17 20 ft.
Red /whitel, a. TION	insert SII CONCRETE	WHEN PUMPING 22 25 ft.
Bron sord 9.5 102	below PLASTIC OTHER	TYPE OF PUMP USED (for test)
white clayen 10,5 1.5	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
Sand Stiff	(nearest inch)! (nearest foot)	C centrifugal R rotary (describe below)
Red & white 12.5 14.5 Clay w/sund	60 61 63 64 66 70	J jet S submersible
clay w/swd	E OTHER CASING (if used) A diameter depth (feet) H inch from to	21
white I orange 14. T 17	C	PUMP INSTALLED DRILLER INSTALLED PUMP VES NO NO
motiled Class 17 235	N G	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
Brown Stay 1 220	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
Clay	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
white 8. 0100gl 23.5 20	(appropriate code below)	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
Cay closel	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED Yes Y	$\begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C H 2 23 24 26 30 32 36	+ above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	S C 3 R 38 39 41 45 47 51	below (nearest)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 0 2 2 3	LATITUDE 39. 6/2/25
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER (NEAREST INCH)	LONGITUDE 7 <i>5</i> . 934669
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	OF SCREEN INCH) from to	(DEFAULT COORD. WGS 84) NOTES:
DRILLERS DC. MO., My D D D 5/1	GRAVEL PACK 25 03	INOTES.
DAILLERS SIGNATURE	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 7 6 0 5 1	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1 /2 9 0 _ 2 1	T (E.R.O.S.) W Q	⊛
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	70 72 74 75 76 TELESCOPE LOG 74 75 76 CASIMG INDICATOR OTHER DATA	

and the second s	the state of the s	and the state of t
C 1 1714 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY Royal Farms Grdwtr NUMBER Invet.File
ST/CO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
$\begin{bmatrix} \frac{MM}{8} & DD & YY \\ \hline 8 & 13 \end{bmatrix} \qquad \qquad \frac{7D}{15} \qquad \frac{3C_{y}}{15} \qquad \qquad \frac{7}{15}$	22 26 (TO NEAREST FOOT)	CE - 10 - 0133 28 29 30 31 32 33 34 35 36 37
OWNER Regal Farm	Social to the first name	hadd of
WELL SITE ADDRESS 5 FU	CHANTES Valley TOWN 1	LOT
WELL LOG	GROUTING RECORD YES OF	C 3 Mon for Well
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST and
COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour) 2 9
additional sheets if needed) FROM TO bearing	NO. OF BAGS 45 10 NO. OF POUNDS 42.45	PUMPING RATE (gal. per min.)
Grass, Topsoil 0	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
Brn clayer sudal 1 3,5	from $\frac{0}{48}$ TOP 52 ft. to $\frac{0.5}{54}$ BÖTTOM 58	WATER LEVEL (distance from land surface)
Bentun clunggend 315	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 17 20 ft.
Red silly clayed 5 8.5	types SIT CO	WHEN PUMPING ft.
o of or or or	code below PI OT	TYPE OF PUMP USED (for test)
Purple Clay stort 80 10	PLASTIC OTHER MAIN Nominal diameter Total depth	A air P piston T turbine
white Chan 10 13	CASING top (main) casing of main casing REPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe
Bin Sanly Clay 13 15	60 61 63 64 66 70	27 27 below)
white sitty clay 15 30	E OTHER CASING (if used) A diameter depth (feet)	J jet S submersible
Orange loose smil 20 22	H inch from to	PUMP INSTALLED
ned white clayer 22 25	A S -	DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)
Send	8	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
	screen type SCREEN RECORD or open hole CLT DD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
	insert appropriate STEEL BRASS OPEN BROOZE HOLE	IN BOX 29. CAPACITY:
	code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35
	PLASTIC OTHER	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED Yes	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box
CIRCLE APPROPRIATE LETTER	C 2 H 23 24 26 30 32 36	above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED	S C 3 R 38 39 41 45 47 51	below (nearest)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 2 3 51	LATITUDE 39.612625
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER 04 (NEAREST	LONGITUDE 7 5. 93 4669
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	OF SCREEN INCH)	(DEFAULT COORD. WĠŠ 84)
DRILLER'S LICANON MED 05/	GRAVEL PACK 25 03	NOTES:
and a. his	IF WELL DRILLED WAS FLOWING WELL MSERT F IN BOX 58 68	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO. 1 1 6 D 0 5 1 1	T (E.R.O.S.) W Q	&
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	•
responsible for sitework if different from permittee)	TELESCOPE LOG 74 76 76 CASING INDICATOR OTHER DATA	

		<u>oco virionini</u>	MICH BOSELFATO SALIMISTE, M	PATTERNA LIBOUR SALE SALE SALE SALE SALE SALE SALE SALE
c 1 170		EQUENCE NO. IDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 (THIS NUMBER IS TO B IN COLS. 3-6 ON ALL C			FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY Royal Farms Grdwtr NUMBER InvestFfile
ST/CO USE ONLY DATE Received MM DD YY	DA.	re well comp	LETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 10 - 0128
8 13		15	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER	leat nag	4 farm	Social and the Hopest named)	Marthe East
WELL SITE ADDRESS SUBDIVISION	; <u>u</u>	200 /	SECTION TOWN	LOT
WE	LL LOG		GROUTING RECORD (PG) no	C3 Monter well
<u> </u>	d for driven		WELL HAS BEEN GROUTED (Circle Appropriate Box)	PUMPING TEST 0-17
STATE THE KIND OF FOR COLOR, DEPTH, THICKN DESCRIPTION (Use		FET check	TYPE OF GROUTING MATERIAL (Circle one CEMENT CM BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
additional sheets if needed)	FROM	TO bearing	NO. OF BAGS 46 NO. OF BOUNDS 45 46	PUMPING RATE (gal. per min.)
Grass, 10,93011	0	4	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
The City Cours		9	from 67 ft. to 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
101 5117 Sano	1 1	2	casing CASING RECORD	BEFORE PUMPING 17 20 ft.
School Glavel	, /	8,5	insert appropriate CONCRETE	WHEN PUMPING 22 25 ft.
Reddish cknen	815	113	below PLASTIC OTHER	TYPE OF PUMP USED (for test)
sand w/ state	11	30	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
white, red, to	13	20	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
red tohite	20	23	60 61 63 64 66 70 E OTHER CASING (if used)	jet S submersible
siltyday			A diameter depth (feet) H inch from to	
Black & Gray	23	25	C	PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)
Sand			ß—————————————————————————————————————	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
		***	screen type SCREEN RECORD or open hole CLT DIS TUTO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
			insert appropriate STEEL BRASS OPEN HOLE	IN BOX 29. CAPACITY:
			code below PLASTER OTHER	GALLONS PER MINUTE (to nearest gallon) 31 35
			C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCE	SSFUL WEL		17 25 05	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTUR	ED	Y N	E	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPI			H ² 23 24 26 30 32 36 S	LAND SURFACE
E ELECTRIC LOG OBT		TED	C 3 R 38 39 41 45 47 51	below below (nearest) foot)
P TEST WELL CONVE	RTED TO PRO	ODUCTION	E SLOT SIZE 1 0 2 23	LATITUDE 39.612625
I HEREBY CERTIFY THAT THIS ACCORDANCE WITH COMAR 2 IN CONFORMANCE WITH ALL	6.04.04 "WELL (CONDITIONS S	CONSTRUCTION" AND TATED IN THE ABOVE	DIAMETER (NEAREST	LONGITUDE 75.934669
CAPTIONED PERMIT, AND THE HEREIN IS ACCURATE AND KNOWLEDGE.	AT THE INFOR	MATION PRESENTED THE BEST OF MY	56 '60 from to	(DEFAULT COORD. WGS 84) NOTES:
DRILLEBOLIC. NO. MEDOST.		1051.	GRAVEL PACK 25	140125.
DRILLERS SIGNATURE		\	IF WELL DRILLED WAS FLOWING WELL WISERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MG D 057		OST.	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1		·	T (E.R.O.S.) W Q	₩
SITE SUPERVISOR (sig			70 72 74 75 76 TELESCOPE LOG	
reaponatore for SiteWORK	unerelli fic	···· hermmaa)	CASING INDICATOR OTHER DATA	

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c 1 1710 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTYRoyal Farms Grdwtr NUMBERInvestFile		
ST/CO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"		
MM DD YY 15 25 /	22 2.5 26 (TO NEAREST FOOT)	CE - 10 - 0129 28 29 30 31 32 33 34 35 36 37		
OWNER Ring/ Ferm S	4.000			
WELL SITE ADDRESS Last name of the	4 Cox (CS /4//eg first named TOWN /	larth izeeT		
SUBDIVISION	SECTION	LOT		
WELL LOG Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C3 Hometer well only		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	NO. OF BAGS 46 S NO. OF POUNDS	8 9		
Brass : Topsol 0 1	GALLONS OF WATER	PUMPING RATE (gal. per min.)		
Reddish Big	DEPTH OF GROUT SEAL (to nearest foot) from	MEASURE PUMPING RATE		
Eitty Scord w/qued	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)		
Ban sily sind 2 3	casing CASING RECORD types	BEFORE PUMPING 17 20 ft.		
cando Gas & 5 10	insert appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.		
Grave 1 - b with 12 11	code below PL OT	TYPE OF PUMP USED (for test)		
Red & white wall 10	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine		
Clay silkely 11 13.5	CASING top (main) casing of main casing OVER (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe below)		
Dan 12 Sant 2 13 3 15.5	60 61 63 64 66 70	J jet S submersible		
graves.	E OTHER CASING (if used) A diameter depth (feet)	27 27		
Red & Beise 15.5 19.5	inch from to	PUMP INSTALLED		
silty cle	69 	DRILLER INSTALLED PUMP YES (NO)		
Beise Klunge 1915 2	Ğ — — — — — — — — — — — — — — — — — — —	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
Clust short	screen type or open hole STBRHO	TYPE OF PUMP INSTALLED PLACE (A.C.,J,P,R,S,T,O) 29		
	insert STEEL BRANE OPEN Appropriate BRONZE HOLE	IN BOX 29. CAPACITY:		
	code below PL OTHER	(to nearest gallon) GALLONS PER MINUTE 31 35		
	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41		
NUMBER OF UNSUCCESSFUL WELLS:	1 Pl 25	PUMP COLUMN LENGTH (nearest ft.)		
WELL HYDROFRACTURED Yes no N	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)		
CIRCLE APPROPRIATE LETTER	C 2 H 23 24 26 30 32 36	LAND SURFACE		
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest) foot)		
P TEST WELL CONVERTED TO PRODUCTION WELL	R 38 39 41	LATITUDE 39 612625		
HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28,04,04 "WELL CONSTRUCTION" AND	DIAMETER 0 4 (NEAREST	LONGITUDE 75 . 934669		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	OF SCREEN 60 INCH)	(DEFAULT COORD. WGS 84)		
KNOWLEDGE.	from to 03	NOTES:		
DRILLERS LIG. NO. 1 MAD DE 1 1	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL			
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68 MDE USE ONLY			
LIC. NO. 1 126 D 0 5 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q			
	70 72	₩		
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA			

OF EN ANDMIRANT TO COME OF THE OWNER OWNER OF THE OWNER OWN			
C 1 1711 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTYRoyal Farms Grdwtr NUMBER InvestFile	
ST/CO USE ONLY DATE Received MM DO YY	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL" C.E 10 - 0130	
8 13 15	TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37	
OWNER Royal Farms WELL SITE ADDRESS 5000 Mechan	ics Valley Rd first name TOWN A	bith East	
SUBDIVISION	SECTIONTOWN/L	LOT	
WELL LOG	GROUTING RECORD yes no	C 3 Monter (1) all	
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box)	PUMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET Check if water	TYPE OF GROUTING MATERIAL (Circle one CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)	
additional sheets if needed) FROM TO the dearing	NO. OF BAGS NO. OF POUNDS	PUMPING RATE (gal. per min.)	
Gress & Topsoil 0 1	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE	
Bry Silty sand! 1 2	from 48 TOP 52 ft. to 3 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)	
	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 17 20 ft.	
Brn SandySitt 2 3.5	types insert appropriate ST CO	WHEN PUMPING 22 25 tt.	
Tan Sandy Si H 3.5 8,5	below PLASTE OTHER	TYPE OF PUMP USED (for test)	
Tan Sand 8,5 12	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing TYPF (nearest inch)! (nearest foot)	A air P piston T turbine	
Tan sand	(nearest inch)! (nearest toot)	C centrifugal R rotary O (describe below)	
1 an Sand 12 25 V	E OTHER CASING (if used) A diameter depth (feet)	J jet S submersible	
	H inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP VES NO	
	S	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION	
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED	
	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29. CAPACITY:	
	(appropriate code below P L O T	GALLONS PER MINUTE (to nearest gallon) 31 35	
	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41	
NUMBER OF UNSUCCESSFUL WELLS:	1. PL 25 05	PUMP COLUMN LENGTH (nearest ft.)	
WELL HYDROFRACTURED Yes Y	E 8 9 11 15 17 21 C 2	CASING HEIGHT (circle appropriate box and enter casing height)	
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	H 23 24 26 30 32 36 S	LAND SURFACE (nearest)	
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	below (16a1631) 50 51 foot)	
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 0 2 2 3 0	LATITUDE 39.612625	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE	DIAMETER OF SCREEN OF SCREEN	LONGITUDE 7 <u>5</u> .9 <u>34669</u>	
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56 60 from to	(DEFAULT COORD. WGS 84)	
DRILLERS LIC. NO. 1 MBD 051	GRAVEL PACK 25 3	NOTES:	
Carll. Dun	IF WELL DRILLED WAS FLOWING WELL MSERT F IN BOX 66 68		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
LIC. NO. 1 1 6 D 05/	T (E.R.O.S.) W Q	_	
	70 72	₩	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA		

OF ENVIRONMENT, 1300 WASTIII	WHO RESULT AND SALIMACHES IN	ATTEND 21200
C 1 1721 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTYRoyal Farms Grdwtr NUMBER InvestFile
ST/CO USE ONLY DATE Received MM DD YY DATE WELL COMPL	LETED Depth of Well 22 26	FROM "PERMIT NO. FROM "PERMIT TO DRILL WELL" $CE - 10 - 0140$
8 13 15	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER ROPES SET OF THE PROPERTY OF THE PROPERT	4 = 1	Which Both
WELL SITE ADDRESS SUD POSITION	<u>(OCHUNICS VAILY """TO</u> TOWN SECTION	LOT
WELL LOG	GROUTING RECORD (PS) NO	C3 Mm for 1
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET Check if water	TYPE OF GROUTING MATERIAL (Circle one CEMENT CM BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS 45 10 NO. OF POUNDS 45	PUMPING RATE (gal. per min.)
Bra sunda sitt	GALLONS OF WATER	METHOD USED TO MEASURE PUMPING RATE
w/ashatt	from 48 TOP 52 ft. to 54 BOTTOM 58	WATER LEVEL (distance from land surface)
Ben soudy 2 3.5	(enter 0 if from surface)	BEFORE PUMPING
silt	types ST CO	17 20
Brownish ten 3.5 8.5	appropriate code pelow P L O T	TYPE OF PUMP USED (for test)
1954 sud 8,5 18	TASTIC OTHER	A air P piston T turbine
Tan Sero 18 25	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing ATYPE (nearest inch)! (nearest foot)	27 27 27 cther
	04 05	C centrifugal R rotary (describe below)
	60 61 63 64 66 70 E OTHER CASING (if used)	J jet S submersible
	A diameter depth (feet) H inch from to	
	C	PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)
	N	IF DRILLER INSTALLS PUMP, THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
	or open hole ST BB HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
	appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE (to nearest callon) 31 35
	below PCASTIC OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest tt.)	PUMP COLUMN LENGTH (nearest ft.)
yes no	$\begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $	CASING HEIGHT (circle appropriate box
WELL HYDROFRACTURED Y	Ĉ,	+ above and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	H 23 24 26 30 32 36 S	LAND SURFACE (nearest)
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	50 91 foot)
P TEST WELL CONVERTED TO PRODUCTION WELL LIEDERY CERTIFY THAT THIS WELL HAS REEN CONSTRUCTED IN	E SLOT SIZE 1 8 2 3 3	LATITUDE 3 2 . 6/26 25
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	DIAMETER 6 4 (NEAREST INCH)	LONGITUDE 75.934669
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56 / 60	(DEFAULT COORD. WGS 84) NOTES:
DRILLERS LIC. NO MGD 651	GRAVEL PACK 55 GRAVEL DRILLED 25	110 . 20.
DRILLERS SIGNATURE	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPEICATION) LIC. NO. 1 7 & D 0 5 1	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1 'L & D U U U L	T (E.R.O.S.) W Q	₩
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	•
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	

C 1 1717 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COUNTY Royal Farms Grdwtr		
(THIS NUMBER IS TO BE PUNCHED IN COLS 3-6 ON ALL CARDS)	PLEASE TYPE	NUMBER InvestFile		
ST/CO USE ONLY DATE Received MM DD YY DD TY	ETED Depth of Well	FROM "PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 10 - 1036		
8 13 16	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37		
OWNER LANG Farm	Case Colle DAIs name	11.46		
WELL SITE ADDRESS SUBDIVISION	COMICS VAILY NOT INFORMATION TOWN	LOT		
WELL LOG	GROUTING RECORD (76) 100	C3 Man Her West		
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) FEET check if water bearing	CEMENT CM BENTONITE CLAY B C	8 9		
Grass & Topseil 0 1	NO. OF BAGS 46 7 NO. OF POUNDS 75 GALLONS OF WATER	PUMPING RATE (gal. per min.)		
and City sand D 3	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE		
Provide Comment 2 H	from 6/ ft. to 6/ 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)		
Drunge Course and 3 M	(enter 0 if from surface) Casing CASING RECORD	BEFORE PUMPING 17 20 ft.		
The count when 4	types insert ST CO	MI 1511 BUM 15114		
Reise Clayarisity 6 15	(appropriate code below	22 25		
Best clasersun	below PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine		
Mottled Beig Laith 10 17	MÅIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other		
sand 12 14	(nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)		
Ton olayersay	60 61 63 64 66 70	J jet S submersible		
red ton brongs 14 17	E OTHER CASING (if used) A diameter depth (feet)	27 27		
olanen Sund	H inch from to	PUMP INSTALLED		
Purple i white 17 21	\$	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)		
mothed clay	G — L — J L — J L — J L — J L — J L — J L — J L — J L — J L — J L — J L — J L L L L	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
multi coloted 2/ 14	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED		
stift clay	or open hole ST BR HO	IN BOX 29.		
Dimite Sold 1 24 25	appropriate HOLE	CAPACITY: GALLONS PER MINUTE		
Lant gund	below PL OT OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER		
	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH		
NUMBER OF UNSUCCESSFUL WELLS:	TPL 25 05	(nearest ft.) 43 47		
WELL HYDROFRACTURED Yes	E 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)		
CIRCLE APPROPRIATE LETTER	C 2 3 24 26 30 32 36	LAND SURFACE		
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest) foot)		
P TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 245 47 51	50 '51		
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26,04.04 "WELL CONSTRUCTION" AND	E SLOT SIZE 1 2 2 3 (NEAREST	LATITUDE 3 1.6.12625 LONGITUDE 7 5.934669		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN (NEAREST	(DEFAULT COORD. WGS 84)		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	NOTES:		
DRILLERS LIC. NO. 1 M FD D	GRAVEL PACK 25 0 0			
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68			
(MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)			
LIC. NO.1 1 V D J J J I	T (E.R.O.S.) W Q	€		
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	•		
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA			