Location of Well

1st and Maynard Streets Maynard, IA 50655 County Fayette
Township Harlan
Section In city limits
Quarters

Customer Information

CITY OF MAYNARD

Contact Date 12/9/2004 Confirmation Date 12/9/2004

MAYNARD, IA 50655

Contact Information

Home Ph: Work Ph: Cell Ph: Fax: Best time to call: Email:

Customer since: Referred By:

Job Information

Area CM
Latitude
Longitude

Confirmation 12/9/2004 Start Date 12/9/2004 End Date 12/22/2004

PWTS # Warranty Date
Permit Number Warranty

Well Site Information

Actual Size 8" Pump Inst -- Liner--ft Depth 1221 Sulfide -- Screen--Elevation SWI **RPS** Made Water Max GPM Screen Size Air Lift Slot Size Exploratory -- To Ft Riser Pipe Mock Rock -- Acidize --Set From Well Use Perforated From

Rig 2002

Driller Dave Halweg; Cert #: 2814

Driller 2 MATT MINEART

Description:

Description of Well A 21" hole was drilled to 18-1/2' and a temporary 18-5/8 casing was set. A 17-1/2" hole was then drilled to 51' the water was at 30'. A 14" surface casing was then set, plumbed and the annular space was grouted with 100 sacks of neat cement grout to shut out the upper water, the temporary casing was then removed. A 13" hole was then drilled to 873' through the St. Peter sandstone and approximately 50' into the Prairie du Chien limestone. At 748' the well was producing approximately 50-60 g.p.m. at 798' -100 g.p.m. and at 873'- 300g.p.m. 875' of 8" casing was then set, plumbed and the annular space was filled with 460 sacks of neat cement grout. A 7-7/8 open hole was then drilled through the Prarie du Chien limestone and approximately 25' into the Jordan sandstone. The well was then air lifted for a period of 4 hrs. and was observed to be producing 485 + g.p.m. over a 3'x6" weir throughout the Remarks:

Tail Pipe

Well Formation Log

1200 - 1221

White

١	well Formation Log					
	From-To	Color	Formation			
	0 - 1	Black	Topsoil			
	1 - 4	Brown - red	Sand & Clay			
	4 - 13	Brown- yellow	Clay			
	13 - 16	Yellow	Limerock & Clay			
	16 - 18		Limerock, Broken			
	18 - 26	Yellow	Limerock			
	26 - 32	Cream	Limerock			
	32 - 48	Gray	Limerock			
	48 - 51	Gray - Cream	Limerock			
	51 - 68	Gray - Cream	Limerock			
	68 - 126	Lt Brown	Limerock			
	126 - 148	Yellow	Limerock			
	148 - 178	Gray	Limerock			
	178 - 221	Blue	Shale			
	221 - 268		Shale, Shale Rock			
	268 - 429	Blue	Shale			
	429 - 463	Brown	Shale			
	463 - 674	Lt Brown	Limerock, Galena			
	674 - 768	Gray	Shale, Shale Rock			
	768 - 820	Whitish- Gray	Sandstone			
	820 - 822	Blue	Shale & Limerock			
	822 - 873	Cream	Limerock			
	873 - 895	Brown	Limerock, Shale Streaks			
	895 - 960	Brown	Limerock			
	960 - 970	White	Sandstone			
	970 - 1190	Lt Brown	Limerock			
	1190 - 1200	White	Limerock & Sandstone			

Sandstone

Bore Log

From-To	Bit Size - Number	
0 - 18	Hole opener	
0 - 30	12"	
30 - 57	17 1/2"	
57 - 822	13"	
822 - 1221	7 7/8"	

Well Casing Log

From-10	Casing
+ 2 - 0	8" x Steel
+ 2 - 0	14" x Steel
0 - 51	14" x Steel
0 - 873	8" x Steel

Screen Size Slot Size Riser Pipe

Set From Tail Pipe

Well Grout Used

Amount	Туре	
100 sacks	Neat Cement	
460 sacks	Neat Cement	
4 sacks	High Early	
24 sacks	Quick Jel	

Shawver Well Company, Inc. 2700 Stanley Avenue Fredericksburg, IA 50530

1200 - 1221

Sandstone

White

· 59883

(563) 237-5341 (800) 568-4449

Location of		· ·	Well Site Informa	tion Well #3	
Exat End L			Actual Size 8"	Pump Inst Linerft	
Maynerd, IA		lownship Harian	Depth 1221	Sulfide Screen	
ribynotu, za	1 30033	Section In city limits	Elevation		
l		Quarters	SWL		
Customer I	nformatio		RPS	Made Water Screen Size	
Customer 1	ntormatic	711	Max GPM Air Lift	Siot Size	
CITY OF MA	VNARD	Contact Date 12/9/2004	Exploratory To Ft		
CITY OF MA	YNARD	Confirmation Date 12/9/2004	Mock Rock Acidiz		
MAYNARD,	-3		Well Use	Perforated From	
MAYNARD,	IA 50655		1	Tall Pipe	
			Rig 2002		
Contrat Vafor			Driller Dave Halweg; Cert #: 2814 Uniter Z MATT MINEART		
Contact Infor	M-Hini		Description:	IANEARI	
l H	ome Ph:	Best time to call:	4	21" hole was drilled to 18-1/2' and a	
	Nork Ph:	Email:	temporary 18-5/8 casing was set. A 17-1/2" hole was then		
ļ	Cell Ph:	Customer since:	drilled to 51' the water was at 30'. A 14" surface casing was		
i	Fax;	Referred By:	then set, plumbed and the annular space was grouted		
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Job Inform	ation			rcasing was then removed. A 13" hole 73' through the St. Poter sandstone and	
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	Area CM	Confirmation 12/9/2004		ducing approximately 50-60 g.p.m. at	
_		Start Date 12/9/2004	798' -100 g.p.m. and at 873'- 300g.p.m. 875' of 8" casing		
	atitude	End Date 12/22/2004		d and the annular space was filled with	
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	14.1 0 4			m. over a 3'x6" weir throughout the	
1 72N, KY	ico, Sec. I	4, SE, NW, SW. SW	atriift.	•	
			Remarks:		
Well Forma	tion Log		Gara Lan		
From-To	Color	Formation	Bore Log	Mis dies bloost s	
0 - 1	Black		From-To	Bit Size - Number	
	Brown -	Topsoli	0 - 18	Hole opener	
1 - 4	red -	Sand & Clay	0 - 30	12"	
	Brown-		30 - 57	17 1/2"	
4 - 13	yellow	Clay	57 - 822	13"	
13 - 16	Yellow	Limerock & Clay	B22 - 1221	7 7/8"	
16 - 18		Limerock, Broken			
18 - 26	Yellow	Limerock	Well Casing Log	,	
26 - 32	Cream	Umerock	From-To	Casing	
32 - 4B	Gray	Limerock	+ 2 - 0	8" x Steel	
,-	Gray -		+ 2 - 0	14" x Steel	
48 - 51	Cream	Limerock	0 - 51	14" x Steel	
51 - 68	Gray -	I Important.	0 - 873	8" x Steel	
31.08	Cream	Limerock	!		
68 - 126	Lt Brown	Limerock	Screen Size		
126 - 148	Yellow	Limerock	Slot Size	Set From	
148 - 178	Gray	Limerock	Riser Pipe	Tall Pipe	
178 - 221	Blue	Shale			
221 - 268		Shale, Shale Rock	Well Grout Used		
268 - 429	Blue	Shale	Amount	Туре	
429 - 463	Brown	Shale	100 sacies	Nest Cement	
463 - 674	Lt Brown		460 sacks	Neat Cement	
674 - 768	Gray	Shale, Shale Rock	4 sacks		
760 505	Whitish-		24 sacks	High Early	
768 - 820	Gray	Sandstone	בין את האל	Quick Jei	
820 - 822	Blue	Shale & Limerock		ł	
822 - 873	Cream	Limerock		ļ	
673 - 695	Brown	Limerock, Shale Streaks		l	
895 - 960	Brown	Limerock			
960 - 970	White	Sandstone		1	
970 - 1190	Lt Brown				
1190 - 1200	White	Limerock & Sandstone		1	
1200 - 1221	White	Sandstone			