

2700 Stanley Avenue
Fredericksburg, IA 50630

(563) 237-5341
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Location of Well		Well Site Information	
Well #2 - off of Church Street Stacyville, IA 50476	County Mitchell Township Stacyville Section 31 Quarters NW	Actual Size 10.75" Depth 288'6" Elevation SWL Flowing 80' @ RPS 100 GPM Max GPM 700 GPM	Pump Inst -- Liner--ft Sulfide --Screen--
Customer Information			
City of Stacyville City of Stacyville 115 Broad Street - City Hall - P.O. Box 184 Stacyville, IA 50476	Contact Date 12/15/2006 Confirmation Date 12/19/2006		
Contact Information			
Home Ph: Work 641-737-2428 - City Clerk Office Cell Ph: Fax:	Best time to call: Email: Customer since: 12/15/2006 Referred By: Engineer	Air Lift 148' @ 200 GPM, 288' @ 300 GPM Exploratory -- To Ft -- Mock Rock Acidize -- Well Use	Made Water 180', 206', 228 - 100+ GPM, 244' - 200+ GPM, 275' - 200 GPM Screen Size Slot Size Riser Pipe Set From Perforated From Tail Pipe
Job Information			
Area FB Latitude Longitude PWTS # 6677089 Permit Number 2007-182W	Confirmation 12/19/2006 Start Date 4/16/2007 End Date 5/4/2007 Warranty Date Warranty	30K DH Rig - Waukon Driller Gary Martin ; Cert #: 3845 Driller 2 Joe Dorn Description: The well is cased to 40" below grade with 16" OD X .375 wall, structural grade, steel casing. A 17½" hole was drilled to 40 and 41'1" of 16" casing was installed. The well is then cased from 2'4" above grade to 156' below grade, with 10.75" OD X .365 wall, A53B, steel casing. A 15" hole was drilled from 40' to 156' to facilitate placement of the casing and grout. The annular space was grouted with neat cement grout. Due to the extremely fractured nature of the bedrock, pea rock was used to "fill" the voids and was installed during the pumping of the grout. Multiple pumpings of grout were required to finally get the annulus sealed. A 9.875" hole was then drilled to a final depth of 288'6". The static was level was flowing at an estimated rate of 55 gallons per minute after the	

well was completed. The well was test pumped at 250 GPM for a period of 9.25 hours with a pumping level of 7" below grade.

Remarks:

Well Formation Log

From-To	Color	Formation
0 - 4	Brown	Topsoil & Sandy Clay
4 - 13		Sand & Gravel
13 - 20		Limerock, Soft Broken
20 - 25	Brown - Orange	Limerock
25 - 36	Orange	Limerock, Soft
36 - 38	Orange	Limerock, Broken
38 - 46	Brown	Limerock
46 - 56	Brown	Limerock
56 - 65	Brown	Limerock
65 - 72	Brown	Limerock
72 - 76	Blue	Shale & Limerock
76 - 78	Gray	Limerock & Shale
78 - 82	Lt. Brown	Limerock
82 - 90	Dark Brown	Limerock
90 - 95	Lt. Brown	Limerock
95 - 100	Lt. Brown	Limerock
100 - 102	Brown	Limerock
102 - 104		Limerock, Broken
104 - 110	Brown	Limerock
110 - 111		Limerock, Broken with Water
111 - 116	Brown - Tan	Limerock & Shale
116 - 120	Brown	Limerock
120 - 122	Dark Brown	Limerock
122 - 128	Dark Brown	Limerock
128 - 154	Gray	Shale - Thunder
154 - 156	Gray - Tan	Limerock
156 - 208	Gray	Limerock
208 - 218	Brown - Green	Limerock
218 - 220	Green - Gray	Limerock
220 - 228	Brown	Limerock
228 - 240	Gray - Green	Limerock
240 - 244	Brown	Limerock
244 - 288	Brown	Limerock

Bore Log

From-To	Bit Size - Number	
0 - 40	17 1/2"	
0 - 36	8 3/4"	
40 - 156	6 1/4" Hammer	3I0302
156 - 288.6	9 7/8"	C18516

Well Casing Log

From-To	Casing	
0 - 40	16" x Steel	
0 - 156	10 3/4" x Steel	
Screen Size		
Slot Size		Set From
Riser Pipe		Tail Pipe

Well Grout Used

Amount	Type
264 sacks	Neat Cement
13 sacks	Casing Seal