

2700 Stanley Avenue
Fredericksburg, IA 50630

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

11562 Valley Ave
Cresco, IA 52136

County **Howard**
Township **Jamestown**
Section **19**
Quarters **NWSW**

**HOWARD COUNTY
CONSERVATION
HAROLD CHAPMAN
HOWARD COUNTY
COURTHOUSE
CRESCO, IA 52136**

Contact Date: 11/10/2006
Confirmation Date: 11/23/2006

Lake Hendricks well #2

Contact Information

Home Ph:
Work Ph: **563-547-3634**
Cell Ph: **563-419-7991**
Fax:

Best time to call:
Email:
Customer since:
Referred By:

Job Information

Area WK

Confirmation 11/23/2006

Latitude
Longitude

Start Date 2/16/2007

PWTS # 4515957 Warranty Date 5/1/2007

Permit Number Warranty 18949-2/22/2007 MW

Well Site Information

Actual Size 7" (284')

Pump Inst - Liner--ft

Depth 300'

Sulfide Screen--

Elevation
SWL 9'
RPS 115' @35gpm
Max GPM 125gpm

Water Tests: Iron
PH
Nitrate

Made Water 282', 285,
290'

Air Lift @115'
@35gpm,
155' @60gpm

Screen Size

Exploratory -- To Ft
Mock Rock -- Acidize --
Well Use

Slot Size
Riser Pipe
Set From
Perforated From
Tail Pipe

Rig **30K-2**
Driller **Gary Martin**; Cert #: **3845**
Driller 2 **Joe Dorn, Chad Kucera**

Description:
A 12 1/4" hole was drilled to 208' and 10" temporary casing was installed. A 10" hole was drilled to 281'. The well was then cased with 284' of 7" outside diameter X .317 wall steel casing. Then Neat Cement grout was pumped into the annular space. The temporary casing was removed. A 6 1/4" hole was drilled to 300' and the well was airlifted.

Remarks:

From-To	Color	Formation
0 - 14	Brown	Clay
14 - 85	Blue	Clay, Sandy
85 - 135	Blue	Clay
135 - 145	Blue	Clay, Sandy
145 - 197	Blue	Clay
197 - 198	Brown	Wood
198 - 198		Sand & Boulders
198 - 206	Brown	Clay
206 - 225	Blue	Clay
225 - 229	Blue	Sand & Gravel
229 - 249	Blue	Clay
249 - 250		Wood
250 - 258	Blue - White	Sand & Gravel
258 - 277	White	Shale
277 - 281	Brown	Limerock
281 - 300	Brown	Limerock

From-To	Bit Size - Number	
0 - 20	12 1/4" Gary Martin-Tri Cone Roller JUNKED 2/1/08	W208697
20 - 281	9 7/8" Gary Martin-Roller Cone-Bi Cone	Y09093
281 - 300	6 1/4" Hammer	3i0302

Well Casing Log

From-To	Casing
+ 3 - 0	7" x .317" Steel
0 - 281	7" x .317" Steel

Screen Size
Slot Size
Riser Pipe

Set From
Tail Pipe

Well Grout Used

Amount	Type
73 sacks	Neat Cement
12 sacks	High Early
10 sacks	Quick Jel
10 sacks	Quick Trol LV