Shawver Well Company, Inc.
2700 Stanley Avenue
Fredericksburg, IA 50630

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

Location of Well

Westgate, IA 50681
T92N R10W

County **Fayette**
Township **Fremont**
Section **23**
Quarters

Customer Information

Westgate, City of
Westgate, City of
104 North Cass Street
Westgate, IA 50681

Contact Date **3/9/2006**
Confirmation Date **6/20/2006**

well #2

Contact Information

Home Ph:
Work Ph: **563-578-3258**
Cell Ph:
Fax:

Best time to call:
Email:
Customer since: **10/11/2006**
Referred By:

Job Information

Area **CM**
T92N R10W
Latitude
Longitude
PWTS # **3379009**
Permit Number **2007-003W**

Confirmation **6/20/2006**
Start Date **11/14/2006**
End Date **11/20/2006**
Warranty Date
Warranty

Well Site Information

Actual Size **8 5/8" PVC**
Depth **153'**
Elevation
SWL **62'**
RPS **90' @ 150 GPM**
Max GPM **302 GPM**
Air Lift **153' @ 302 GPM**
Exploratory -- To Ft
Mock Rock -- Acidize --
Well Use

Rig **30K DH - Waukon**
Driller **Gary Martin**; Cert #: **3845**
Driller 2 **Chad Kucera**

Pump Inst -- Liner ✓63ft
Sulfide --Screen--
Water Tests: Iron
PH
Nitrate
Made Water **108', 115', 125', 125' to 153'**
Screen Size
Slot Size
Riser Pipe
Set From **90' to 153'**
Perforated From **108' to 111', 111' to 153'**
Tail Pipe

Description:
A 14¾" hole was drilled to 21' and 13" temporary casing was installed. A 12.625" hole was drilled to 93'. The well was then cased with 95' of 8 5/8" steel casing. A 6 5/8" liner was set from 90' to 153'. The liner was perforated from 108' to 111' and from 111' to 153'. Holeplug was utilized, then Benseal grout and Neat Cement was pumped into the annular space. The temporary casing was removed. A 7 3/8" hole was drilled to 153'. The well was then airlifted. The static water level is 62' and the recommended pump setting is 90' at 150 gallons per minute.

Remarks:
50 sacks Soda Ash

Well Formation Log

From-To	Color	Formation
0 - 10	Brown	Clay, Sandy
10 - 87	Blue	Clay
87 - 111	Brown	Limerock
111 - 111	Tan	Shale
111 - 125		Limerock, Broken & Shale
125 - 153		Limerock, Broken

Bore Log

From-To	Bit Size - Number
0 - 21	14 3/4"
21 - 93	12 5/8"
93 - 153	7 7/8"

Well Casing Log

From-To	Casing
+ 3 - 0	8 5/8" x PVC
0 - 92	8 5/8" x PVC
90 - 153	6 5/8" x Steel

Screen Size
Slot Size
Riser Pipe
Set From **90' to 153'**
Tail Pipe

Well Grout Used

Amount	Type
22 sacks	Benseal
30 sacks	Quick Jel
4 sacks	High Early
2 sacks	Quick Trol LV
1 sacks	Holeplug
5 sacks	N-Seal