

Collector Well Projects – Two Page Questionnaire

Thank you for taking the time to help us in this effort to educate interested parties about collector well projects throughout the United States. **A copy of this report will be provided to you within a couple months time.** Please include references to reports or other documents regarding your project in Question C.2.

A. General Project Information

1. Name of project?

Seagrams

2. P. _____

3. P_r _____

4. Project location?

City/State: Lawrenceburg,

5. Project start date?

mm/dd/yy: 1939

6. When did wells begin operating (or anticipated start)?

mm/dd/yy: 1941

7. Project objective(s)?

- Municipal water supply
- Agricultural water supply
- Conjunctive groundwater/surface water use

Others (please list)

Cooling for power generation plant

8. Status of project?

- Planning
- Small-Scale Testing
- Large-Scale Testing
- Full-scale operation
- Other (please explain)

9. Project funding source(s)?

- Agency/owner out of pocket expense
- Grant funds
- Partnerships
- Other (please list)

10. What was the primary reason for using collector well technology at this site?

- Environmental concerns
 - Water demand too great for ordinary production well
 - Water rights for a surface supply not available
 - Research
- Other: _____

11. Number of collector wells and periods of use (seasonal, year-round)? Check boxes that apply.

Well Name	Well Status		Use		Average Flow Production (gpm)
	Active	Proposed	Seasonal	Year-Round	
1	✓			✓	5500-6000

12. Describe the characteristics of your collector wells.

Well Name	Depth of Caisson	Diameter of Caisson	Depth of Laterals	Number of Laterals	Diameter of Laterals
1	88'	13'	(80'?)	2 tiers	10"
				10 each	
				~1600 ft screen	

13. Have you observed decreased flow from your collector wells over time? If so, what do you think is the cause?

- River migration away from well (please report approximate distance river has migrated: _____ft)
- Laterals clogging
- Increased pumping from wells nearby (lowered groundwater elevation)

Other: _____

14. What measures have you taken, if any, to increase yield of your wells?

- Well re-development
- Lateral replacement
- Added new laterals to existing system

1986 → Others → chemical cleaning improved yield for a small period of time, then yields decreased again → 1999

15. Do you have records indicating well yield with time?

- No records available
- Yes (please fill in the following table)

	Date	Event	Yield (indicate units)
0	Before operation	Designed capacity	
1		Well start-up	
2	1986	chemical clean	6,000 gpm
3	1999	installed new laterals	10,000 gpm
4			
5		Most recent data	5500 - 6000 <i>operational</i>

max in 7000

16. What is the cost of your raw water (how much does it cost per unit volume for you to produce untreated water)?

- Number provided includes treatment costs
- No records available

B. Aquifer Characterization

1. Describe regional aquifer characteristics.

- Unconfined
- Semi-confined
- Confined
- Unknown
- Other (please list)

2. Describe aquifer geology.

- Cobble
 - Gravel
 - Sand
 - Silt/Clay
 - Unknown
 - Other (please list)
- Well Sorted
 - Poorly Sorted

3. What is the closest distance to the nearest surface water body?

Feet or miles: ~ 1/2 mile

- Unknown

4. What is the number of monitoring wells if any?

_____ wells

- None
- Other
- Unknown

5. What is the frequency of groundwater level monitoring? minutes/days/months: _____

- Unknown

C. Additional Questions

1. Do you have records indicating changes in yield upon re-development? How often do you re-develop your wells?

during drought, drawdown dropped, but recovered with increased recharge.

2. Are any reports, technical memos, or other documentation available from your project activities? If so, who do we contact for copies?
