

Project: SEDEW 14 DAY APT  
Date: October 19, 2009

Project Engineer: PBS&J  
Contractor: ROWE DRILLING

Pumping Well: SE- DEW-1 (3)

Pump Depth: 105 FT BD  
Measuring Point: Top of Flange 101.86 FT NGVD  
Distance from MP to LS: 3.84 Feet

Flow Totalizer Initial Reading: 258145  
Flow Totalizer End Reading: 298668

Pumping Test Begin Date: OCTOBER 19, 2009  
Pumping Test Begin Time: 12:36  
Pumping Test End Date: November 2 2009  
Recovery Start Date & Time: 11/2/09 12:30  
Recovery End Date & Time: \_\_\_\_\_

Comments:

*Pumping Rate Measurements*

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/19/09	9:30	—	—	—	—	—	—
10/19/09	11:15	0	<del>258,534</del>	—	—	~ 0.15 in	Reopened
10/19/09	11:20	0	258,456.00	—	—	—	—
10/19/09	12:30:00	initially at	~ 3000 gph	—	—	—	started pump.
10/19/09	12:40	2000	—	12:40	45 1/8"	—	~ 2,1000 on well
10/19/09	13:00:00	2000	258,206,150	—	—	—	—
10/19/09	13:15:00	2000	258,236,100	—	—	—	—
10/19/09	13:20	2000	—	—	—	—	Q = 2011 gph
10/19/09	13:25	2000	—	—	—	—	—
10/19/09	13:30:00	2000	258,266,000	—	—	—	Q = 2007 gph
10/19/09	13:50	2000	—	—	—	—	—
10/19/09	14:05:00	2000	258,335,650	—	—	—	Q = 2,000
10/19/09	14:17	2,000	—	—	—	—	—
10/19/09	14:40	2,000	—	—	—	—	—
10/19/09	15:00:00	2,000	258,461,500	—	45 1/8"	—	—
10/19/09	15:22	2,000	—	—	—	—	—
10/19/09	15:25:00	2,000	258,495,000	3:32	45 1/8"	—	Q = 7926 on 4.05
10/19/09	15:50	—	—	—	operated valve	Increased Q	—
10/19/09	15:55:00	—	258,534,750	—	—	—	—
10/19/09	16:00	2000	258,564,750	—	—	—	—

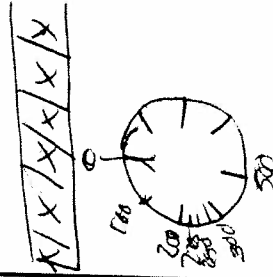
on totalizer

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/19/09	15:45	2,000	258534750	16:20	45.75		
10/19/09	16:02	2,000	258569200				
10/19/09	17:00	2,000	258686900				
10-19-09	18:00	2,000	258807700				
10-19-09	19:00	2,000	258927750				
10-19-09	20:00	2,000	259048800				
	20:26		259099450				
	20:35		259115475	20:12			
10-19-09	21:00	2,000	259167800	21:43			
10-19-09	22:00	2,000	259287400				
10-19-09	23:00	2,000	259408300	23:18	43.0		
10-20/09	00:00	2,000	259530400	24:00			
	00:11		259549950				
	00:15		259580000	24:12			
10/20/09	1:01	2,000	259655300				
	2:01	2,000	259741800				
	3:00	2,000	259892400				
	4:01	2,000	259912800				
	5:01	2,000	260143200				
	6:03	2,000	260257300				

7:00 2,000 260369400 Page \_\_\_ of \_\_\_  
69800



## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/20/09	08:02	2000	260493	07:30	45"		
	09:01	2000	260610				
	10:01	2000	260730				
	11:01	2000	260850				
	12:01	2000	260970				
	13:01	2000	261090				
	14:01	2000	261210				
	15:00	2000	261330	15:10	46"		
	16:00	2000	261450				
	17:00	2000	261570				
	18:00	2000	261688				
	19:00	2,000	261808				
	20:00	2,000	261930				
	21:00	2,000	262050				
	22:00	2,000	262170				
	23:00	2,000	262290				
10/21/09	00:40	2,000	262410	23:11	47"		
	1:01	2,000	262530				
	2:00	2,000	262650				
	3:00		262770				
			262770				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WO SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/21/09	4:00	2,000	262890				
	5:01	2,000	263020				
	6:00	2,000	263140				
	7:04	2,000	263267				
	8:02	2,000	263383				
	9:06	2,000	263500				
	10:03	2,000	263626	263636			
	11:01	2,000	263742			Ø	
	12:05	2,000	263873				
	12:18			12:18	45"		
	13:00	2000	263984				
	14:01	2000	264105				
	15:00	2,000	264225				
	16:00	2,000	264345	15:10	45"		
	17:00	2,000	264464				
	18:00	2,000	264585				
	19:00	2,000	264705				
	20:00	2,000	264826				
	21:00	2,000	264947				
	22:00	2,000	265067				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10-21-09	23:00	2,000	265188	23:20	4.5"	Ø	
	24:00	2,000	265308				
10-22-09	01:00	2,000	265428				
	01:20	2,000	265548				
	01:30	2,000	265668				
	01:40	2,000	265788				
	01:50	2,000	265908				
	01:60	2,000	266123				
First Shift	01:70	2,000	26613				
	0800	2,000	266274				
	0901	2,000	266394				
	1001	2,000	266514				
	1101	2,000	266634				
	1204	2000	266761	1330	↖ 4.5"		
	1301	2,000	266876				
	1401	2,000	266995				
Second Shift	1501	2,000	267115	16:20	4.5"	Ø	
	16:00	2,000	267234				
	17:00	2,000	267354				
✓	18:00	2,000	267475				

Third Shift

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10-22-09	19:00	2,000	26759.5				
	20:00	2,000	26777.5				
	21:00	2,000	26783.6				
	22:00	2,000	26795.6				
Third Shift	23:00	2,000	26807.6	23:02	45"	Ø	
✓	24:00	2,000	26819.6				
10-23-09	01:00	2,000	26831.6				
	02:00	2,000	26843.6				
	03:00	2,000	26855.6				
	04:00	2,000	26867.6				
	05:00	2,000	26879.6				
	06:00	2,000	26891.6				
East Shift	07:00	2,000	26904.1				
	08:00	2,000	26915.9	08:12	45"	Ø	
	09:01	2,000	26922.80				
	10:01	2,000	26940.0				
	11:01	2,000	26952.0				
	12:00	2,000	26963.6				
	13:00	2,000	26976.3				
	14:01		26988.3				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WO SAMPLED, RAINING, CHANGE IN PUMP RATE)
10-23-09	15:00	2,000	270004	15:20	4.5"	0	
	16:00		270127				
	17:00		270248				
	18:00		270370				
	19:00		270491				
	20:00		270612				
	21:00		270733				
	22:00		270854				
	23:00		270978				
↓	24:00		271101		4.6"		
10-24-09	01:00		271223				
	02:00		271353				
	03:00		271462				
	04:00		271582				
	05:00		271682				
	06:00		271802				
	07:00		271952				
	08:00		272070				
	09:00		272191				
	10:00		272312				



## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/24	11:00	2,000	272434				
	12:00	2,000	272555	12:06	4.6"		
	13:00	2,000	272677				
	14:00	2,000	272799				
See below	15:00	2,000	<del>272920</del>				
	16:00	2,000	273042		15.15 4.6"		
	17:00	2,000	273164				
	18:00	2,000	273285				
	19:00	2,000	273407				
	20:00	2,000	273528				
	21:00	2,000	273649				
	22:00	2,000	273770				
	23:00	2,000	273891				
↓	24:00	2,000	274111				
	1:00	2,000	274135				
	2:00	2,000	274255				
	3:00	2,000	274375				
	4:00	2,000	274495				
	5:00	2,000	274615				
	6:00	2,000	274735				

07:00 2,000 274862

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08:01 2,000 274982

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WO SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/25/09	0901	2200	275103				
	1001	2000	275224				
	1102	2000	275346		1136	Ø	46"
	1200	2000	275468				
	1304	2000	275595				
	1401	2000	275708				
	1501	2000	275839				
	1600	2000	275948	1630	46"		
	1700	2000	276069				
	1800	2000	276191				
	1900	2000	276312				
	2000	2000	276433				
	2100	2000	276553				
	2200	2000	276674				
	2300	2000	276795				
10/26	0400	2000	276917		46"		
	01:00	2000	277035				
	02:00	2000	277158				
	0300	2000	277277				
	0400	2000	277398				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (NO SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/24	0500	2,000	277519				
	0600	2,000	278640				
	0700	2,000	277761				
	0801	2,000	277883				
	0901	2000	278004				
	1001	2000	278124				
	1101	2000	278244				
	1208	2000	278388				
	1302	2,000	278485				
	1401	2,000	278607				
	1500	2,000	278727	1530	45 1/2"		
	1600	2,000	278847				
	1700	2,000	278967				
	1800	2,000	279087				
	1900	2,000	279209				
	2000	2,000	279329				
	2100	2,000	279450				
	2200	2,000	279570				
	2300	2,000	279691		45 1/2"		
N	2400	2,000	279811				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/24	1:00	2,000	279931				
↑	2:00	2,000	280051				
	3:00	2,000	280171				
	4:00	2,000	280291				
	5:00	2,000	280411				
	6:00	2,000	280531				
	7:00	2,000	280651				
	8:00	2,000	280775				
	9:01	2,000	280900				
	10:01	2,000	281018	10:10	45 1/2"		
	11:11	2,000	281159				
	12:04	2,100	281265				
	13:00	2,000	281379				
	14:01	2,000	281500				
Secured Shut off	15:00	2,000	281620				
	16:00	2,000	281740	16:20	45 1/2"		
	17:00	2,000	281860				
	18:00	2,000	281980				
	19:00	2,000	282100				
✓	20:00	2,000	282221				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10-27-09	21:00	<del>2,000</del>	282342				
	22:00	2,000	282462				
	23:00	2,000	282582				
✓	24:00	2,000	282702				
10-28-09	01:00	2,000	282822		46"		
	2:00	2,000	282942				
	3:00	2,000	283062				
	4:00	2,000	283182				
	5:00	2,000	283302				
	6:00	2,000	283422				
	7:00	2,000	283542				
	08:00	2,000	283662				
	09:00	2,000	283782				
	10:00	2,000	283902				
	11:00	2,000	284025				
	12:01	2,000	284150				
	13:00	2,000	284270				
	14:00	2,000	284390				
Second Shift	15:00	2,000	284510				
✓	16:00	2,000	284630	16:30	46"		

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10-28-09	17:00	2,000	284750				
	18:00	2,000	284871			Ø	
	19:00	2,000	284991				
	20:00	2,000	285111				
	21:00	2,000	285231				
	22:00	2,000	285350				
	23:00	2,000	285471		45"		
	24:00	2,000	285591				
10-29-09	01:00	2,000	285711				
	2:00	2,000	285831				
	3:00	2,000	285951				
	4:00	2,000	286171				
	5:00	2,000	286291				
	6:00	2,000	286411				
	7:00	2,000	286531				
	08:00	2,000	286655				
	09:00	2,000	286776				
	10:00	2,000	286896				
	11:00	2,000	286913				
	12:00	2,000	287034				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x1000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WO SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/29/09	1300	2000	287155				
	1400	2000	287273				
	1500	2000	287396				
	1600	2000	287519	16:30	45 1/2"		
	1700	2000	287638				
	1800	2000	287758				
	1900	2000	287878				
	2000	2000	287998				
	2100	2000	288118				
	2200	2000	288238				
	2300	2000	288358				
	2400	2000	288478		45 1/2"		
10-30-09	0100	2000	288598				
	2:00	2000	288718				
	3:00	2000	288838				
	4:00	2000	288958				
	5:00	2000	289078				
	6:00	2000	289198				
	7:00	2000	289323				
	08:00	2000	289438				
0908	2:00		289575				

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10-30-09	01:00	2,000	289678				
	01:00	2,000	289798				
	02:00	2,000	289919				
	13:00	2,000	290038				
	14:00	2,000	290158				
Second Shift	15:00	2,000	290279	15:30	45 1/2		
	16:00	2,000	290399				
	17:00	2,000	290520				
	18:00	2,000	290640				
	19:00	2,000	290760				
	20:00	2,000	290880				
	21:00	2,000	291000				
	22:00	2,000	291120				
	23:00	2,000	291240		45 1/2		
	24:00	2,000	291360				
10-31-09	01:00	2,000	291480				
	2:00	2,000	291600				
	3:00	2,000	291720				
	4:00	2,000	291840				
	5:00	2,000	291960				
	06:00						
	07:00	2,000					

06:00  
07:00



## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	PUMPING RATE (GPM)	TOTALIZER (x000)	TIME	ORIFACE MENOMETER (INCHES)	RAIN GAGE (INCHES)	COMMENTS (WQ SAMPLED, RAINING, CHANGE IN PUMP RATE)
10/3/09	0600	2,000	292070				
	0700	2,000	292200				
	0800	2,000	292321				
	0900		292441				
	1007	2,000	292574				
	1101	2000	292681				
	1200	2000	292899				
	1300	2,000	292929				
	1400	2,000	293039				
Secord Shift	15:00	2,000	293159	15:30	45 1/2"		
	16:00	2,000	293279				
	17:00	2,000	293399				
	18:00	2,000	293519				
	19:00	2,000	293638				
	20:00	2,000	293758				
	21:00	2,000	293878				
	22:00	2,000	293998				
	23:00	2,000	294118				
✓	24:01	2,000	294228		45 1/2"	Ø	
11-1-09	01:00	2,000	294348				
	2:00	2,000	294468				Totalizer
	3:00	2,000	294588		05:00	2000 GPM	294828
	4:00	2,000	294708		06:00	2000 GPM	294948

## 14-DAY AQUIFER PERFORMANCE TEST

TEST START OCTOBER 19, 2009

DATE	TIME	WELL 1 WATER LEVEL (FEET)	TIME	WELL 2 WATER LEVEL (IN TUBE - INCHES)	TIME	WELL 3 WATER LEVEL (PUMPING WELL - FEET)	TIME	WELL 4A WATER LEVEL (IN TUBE - INCHES)	WELL 4B WATER LEVEL (FEET)
11/01	7:00	2,000		295197		ORIFACE		RAIN	
	803	2,000		295320		MANOMETER		GAGE	
	0900	2,000		295434		INCHES		INCHES	
	1000	2,000		295554					
	1100	2,000		295675					
	1200	2,000		295795					
	1300	2,000		295914					
	1400	2,000		296034					
SEC 94P Shift	1500	2,000		296154	1530	45 1/2"			
	1600	2,000		296274					
	1700	2,000		296394					
	1800	2,000		296514					
	1900	2,000		296637					
	2000	2,000		296754					
	2100	2,000		296874					
	2200	2,000		296994					
	2300	2,000		297113					
	2400	2,000		297235					
11-2-09	0100	2,000		297352					

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