DIAMOND
WELL DRILLING COMPANY

72 hour constant head and recovery pump test
Livingston Concrete Property (APN 040-271-042)
Ophir Road, Newcastle, California

I. Summary

At 13:00 October 18, 2007, Diamond Well Drilling Company began a 72-hour pump test on the six-inch water well at APN 040-271-042. Three days later, on 10/21/07, 1300 hours, water level recovery was logged until 0810 hours on 10/23/07. Drawdown and residual drawdown data were collected as a function of time. During the test the well was drawn down 247 feet. Pumping started at a rate of 68.5 gallons per minute. By 1730 hours, 4½ hours after the beginning of the test, the well had drawn down to 240 feet. The pumping rate stabilized near 31 gpm. By midnight on 10/18/07, the pumping rate was at 26 gpm where it stayed pretty much through the end of the test. The last flow rate reading was 25.2 gpm. We conclude here that the sustained yield throughout the duration of the test was 25 gpm.

Recovery data was collected from the time the pump stopped on 10/21/07 1300 hours. The well showed a rapid recovery from 247 feet, the final drawdown at the end of three days of pumping. By 1830 hours on 10/22/07, approximately 5½ hours after pumping had stopped, the well had recovered to 96%, o within 4% of its starting water level.

The monitoring well on the American River Propane property, approximately 70 feet away showed minimal communication. From the time pumping began in the Livingston Concrete well to the time it ended, a drawdown of seven-tenths (7/10) of a foot was noted. This should have

1660 OLD AIRPORT ROAD • AUBURN, CA 95602
FAX (530) 823-2377
AUBURN (530) 823-0354
PLACERVILLE (530) 622-2320
1-800-995-WELL
GRASS VALLEY (530) 268-2117
Calif. Contractor's Lic. #398306
Nevada Contractor's Lic. #0034841

minimal effect on the utility of the American River Propane well, even with continuous pumping at Livingston Concrete.

Initial bacteriological testing of the Livingston Concrete water indicated positive for both fecal coliform and total coliform bacteria. A second test confirmed these results.

II. Attachments

Attachment A	Graph of drawdown vs. time on the pumping well at Livingston Concrete.
Attachment B	Recovery vs. time on the well at Livingston Concrete.
Attachment C	Change in water level vs. time for the monitoring well at American River Propane taken throughout the duration of the pump and recovery phases of the Livingston Concrete pump test.
Attachment D	Manual data collected during the process of the pump test.
Attachment E	Transducer data collected during the drawdown phase of the Livingston Concrete pump test.
Attachment F	Transducer data collected from the Livingston Concrete well during the recovery phase of the test.
Attachment G	Transducer data from the American River Propane monitoring well throughout the Livingston Concrete pumping test with drawdown and recovery phases.
Attachment H	Bacteriological test results.
Attachment I	Toshiba Magmeter specifications sheet

For taking the manual drawdown data, Diamond technician Jeremy Linn used a manual electronic probe that consisted of an electrode on the end of a wire that signaled a response on the surface when the electrode touched water. This wire had measuring units that allowed Mr. Linn to note the level at which the water was at any given time. Flow rate was measured using a Toshiba Magmeter model LF41GACFACAA solid state digital flow meter (see Attachment I). Mr. Linn read the flow rates at the intervals indicated in Attachment D. Manual data was backed up by Insitu "mini-troll"

transducer/data loggers. A "professional" mini-troll was installed in the pumping well and polled water level depth as pressure in the intervals indicated in Attachment E. The monitoring well water levels were measured by a "standard" mini-troll as indicated in Attachment G. These instruments have the ability of recording water level as a function of time and then offering up this data through a com port into an Excel spreadsheet.

The pump used for this test was a Goulds 70LB50, capable of pumping 26 gpm from 280' depth. Mr. Linn was on-site throughout the duration of the drawdown phase of the test and for six hours of the recovery phase.

DIAMOND WELL DRILLING COMPANY

November 2, 2007

Livingston Concrete
Attn: Ted Henley
5416 Roseville Road
North Highlands, CA 95660

Dear Ted,

Enclosed please find the results of the 72-hour constant head and recovery pump test on the well on Ophir Road (APN#040-271-042), including a summary, graphs and water test results.

If you have any questions, please call.

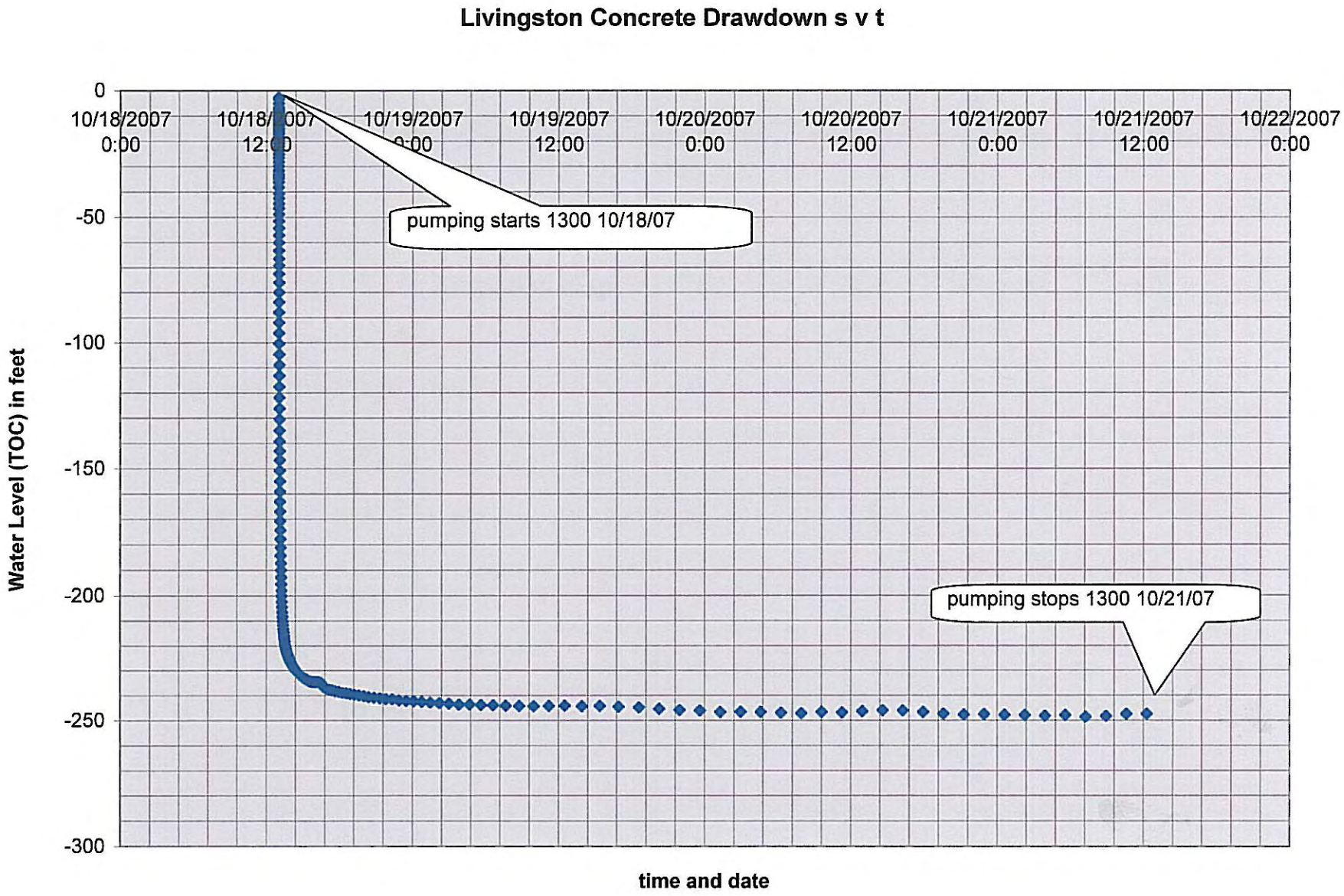
Very truly yours,

Diane Stevenson

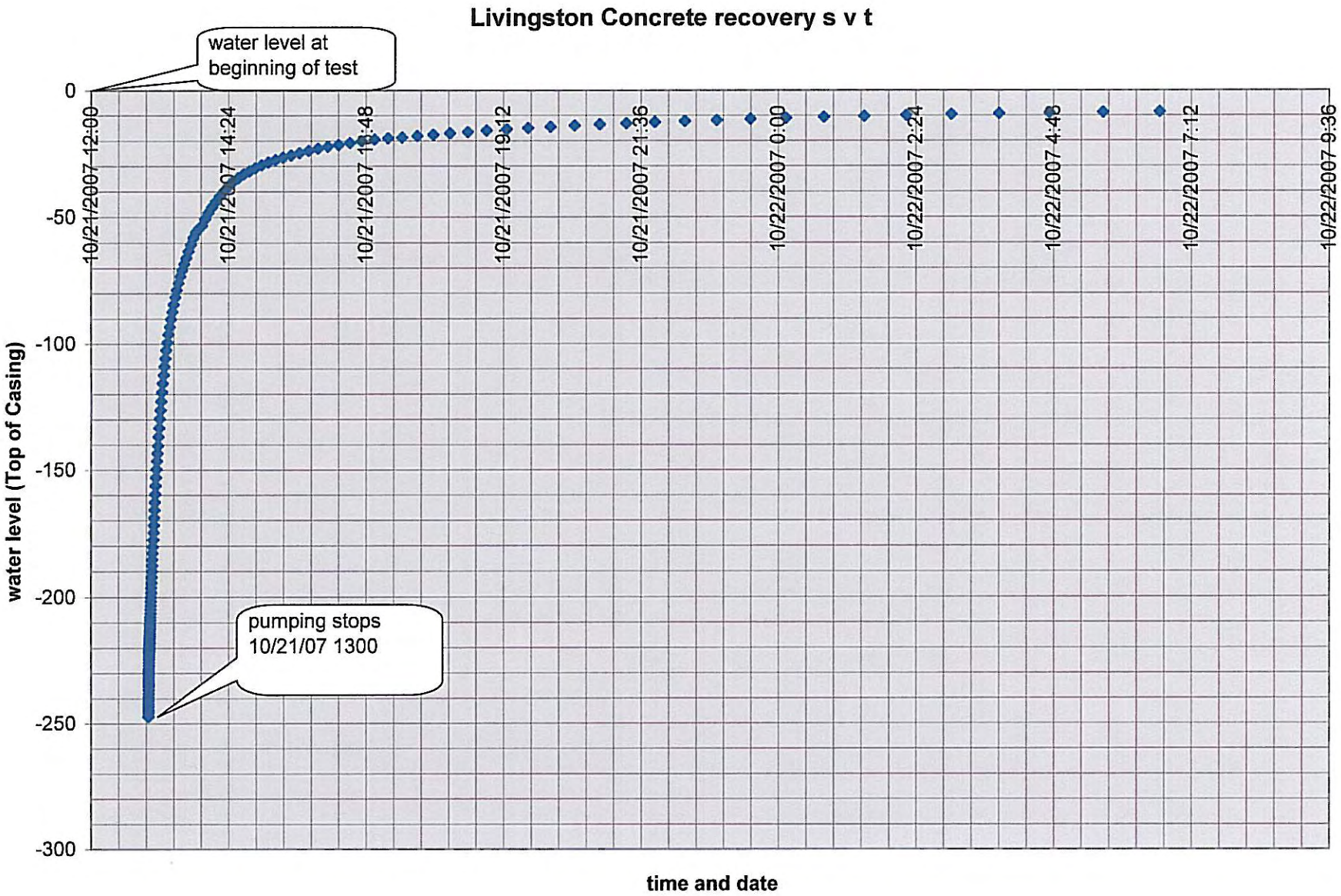
Diane Stevenson,
Office Manager

1660 OLD AIRPORT ROAD • AUBURN, CA 95602
FAX (530) 823-2377
AUBURN (530) 823-0354
GRASS VALLEY (530) 268-2117
PLACERVILLE (530) 622-2320
1-800-995-WELL

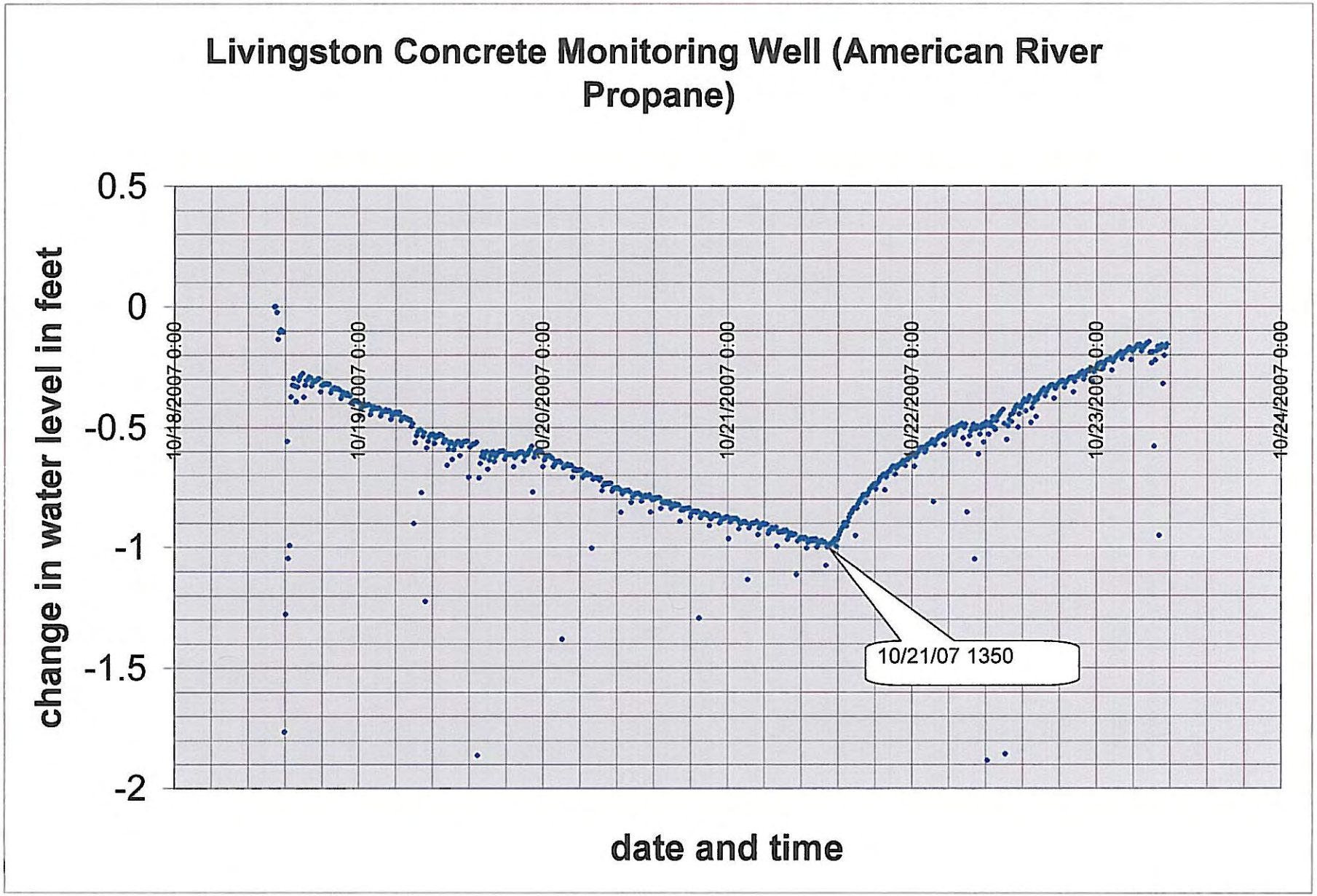
Calif. Contractor's Lic. #398306
Nevada Contractor's Lic. #0034841



Attachment A



Attachment B



Attachment C

DIAMOND WELL DRILLING
1660 Old Airport Rd.
Auburn CA 95602

Livingston Concrete Well 72 hour Pump Test Data collection form

tech 1 name Jeremy Linn

	time (mil)	waterlevel	
LEVEL OF PROBE	1259	280	ft

This means laying it out, measuring it, marking it and installing it in the stilling well

	1300	2	waterlevel just before start of test
	1300	0	totalizer reading immediately prior to test
START PUMPING AT	1300		10/18/2007
		247	water level at pump shutoff
STOP PUMPING AT	1300		10/21/2007

datum = TOC

Day	Date	tech name	o'clock time	actual time (mil)	Depth to H2O	Pumping rate	totalizer
day 1	10/18/2007	Jeremy Linn	1300	1300	2		
day 1	10/18/2007	Jeremy Linn	1301	1301	50	68.5	111911
day 1	10/18/2007	Jeremy Linn	1302	1302	77	63.4	111918
day 1	10/18/2007	Jeremy Linn	1303	1303	101	59	111924
day 1	10/18/2007	Jeremy Linn	1304	1304	117	55.4	111929
day 1	10/18/2007	Jeremy Linn	1305	1305	132	52	111935
day 1	10/18/2007	Jeremy Linn	1306	1306	145	49.4	111940
day 1	10/18/2007	Jeremy Linn	1307	1307	154	47.3	111945
day 1	10/18/2007	Jeremy Linn	1308	1308	163	45.3	111949
day 1	10/18/2007	Jeremy Linn	1309	1309	172	44	111954
day 1	10/18/2007	Jeremy Linn	1310	1310	177	42.3	111958
day 1	10/18/2007	Jeremy Linn	1312	1312	187	40.3	111966
day 1	10/18/2007	Jeremy Linn	1314	1314	196	38.6	111974
day 1	10/18/2007	Jeremy Linn	1316	1316	199	37.3	111982
day 1	10/18/2007	Jeremy Linn	1318	1318	204	36.2	111989
day 1	10/18/2007	Jeremy Linn	1320	1320	207	35.5	111996
day 1	10/18/2007	Jeremy Linn	1322	1322	210	34.7	112003
day 1	10/18/2007	Jeremy Linn	1324	1324	212	34.2	112010
day 1	10/18/2007	Jeremy Linn	1326	1326	214	33.6	112017
day 1	10/18/2007	Jeremy Linn	1328	1328	216	33.2	112024
day 1	10/18/2007	Jeremy Linn	1330	1330	217	32.9	112030
day 1	10/18/2007	Jeremy Linn	1335	1335	220	32.2	112047
day 1	10/18/2007	Jeremy Linn	1340	1340	222	31.6	112062
day 1	10/18/2007	Jeremy Linn	1345	1345	223	30.9	112078

DIAMOND WELL DRILLING
1660 Old Airport Rd.
Auburn CA 95602

Day	Date	tech name		actual time (mil)	Depth to H2O	Pumping rate	totalizer
recovery	10/21/2007	Jeremy Linn	1300	1300	247		
recovery	10/21/2007	Jeremy Linn	1301	1301	220		
recovery	10/21/2007	Jeremy Linn	1302	1302	206		
recovery	10/21/2007	Jeremy Linn	1303	1303	195		
recovery	10/21/2007	Jeremy Linn	1304	1304	184		
recovery	10/21/2007	Jeremy Linn	1305	1305	175		
recovery	10/21/2007	Jeremy Linn	1306	1306	166		
recovery	10/21/2007	Jeremy Linn	1307	1307	158		
recovery	10/21/2007	Jeremy Linn	1308	1308	150		
recovery	10/21/2007	Jeremy Linn	1309	1309	144		
recovery	10/21/2007	Jeremy Linn	1310	1310	138		
recovery	10/21/2007	Jeremy Linn	1312	1312	127		
recovery	10/21/2007	Jeremy Linn	1314	1314	118		
recovery	10/21/2007	Jeremy Linn	1316	1316	110		
recovery	10/21/2007	Jeremy Linn	1318	1318	104		
recovery	10/21/2007	Jeremy Linn	1320	1320	98		
recovery	10/21/2007	Jeremy Linn	1322	1322	93		
recovery	10/21/2007	Jeremy Linn	1324	1324	89		
recovery	10/21/2007	Jeremy Linn	1326	1326	85		
recovery	10/21/2007	Jeremy Linn	1328	1328	81		
recovery	10/21/2007	Jeremy Linn	1330	1330	78		
recovery	10/21/2007	Jeremy Linn	1335	1335	71		
recovery	10/21/2007	Jeremy Linn	1340	1340	65		
recovery	10/21/2007	Jeremy Linn	1345	1345	60		
recovery	10/21/2007	Jeremy Linn	1350	1350	55		
recovery	10/21/2007	Jeremy Linn	1355	1355	53		
recovery	10/21/2007	Jeremy Linn	1400	1400	49		
recovery	10/21/2007	Jeremy Linn	1405	1405	46		
recovery	10/21/2007	Jeremy Linn	1410	1410	43		
recovery	10/21/2007	Jeremy Linn	1415	1415	41		
recovery	10/21/2007	Jeremy Linn	1420	1420	38		
recovery	10/21/2007	Jeremy Linn	1425	1425	37		
recovery	10/21/2007	Jeremy Linn	1430	1430	35		
recovery	10/21/2007	Jeremy Linn	1500	1500	29		
recovery	10/21/2007	Jeremy Linn	1530	1530	25		
recovery	10/21/2007	Jeremy Linn	1600	1600	22		
recovery	10/21/2007	Jeremy Linn	1700	1700	19		
recovery	10/21/2007	Jeremy Linn	1800	1800	17		
recovery	10/21/2007	Jeremy Linn	1900	1900	15		

Livingston Concrete Drawdown

In-Situ Inc.	MiniTroll Pro				
Report generated:	10/26/2007	15:33:30			
Report from file:	...\SN16286 2007-10-18 130000 lvngstn cncrt dd.bin				
Win-Situ Version	4.46				
Serial number:	16286				
Firmware Version	3.09				
Unit name:	miniTROLL				
Test name:		lvngstn cncrt dd			
Test defined on:	10/17/2007	17:57:29			
Test scheduled for:	10/18/2007	13:00:00			
Test started on:	10/18/2007	13:00:00			
Test stopped on:	10/21/2007	13:00:00			
Test extracted on:	N/A	N/A			
Data gathered using Logarithmic testing					
Maximum time between data poi	Seconds.				
Number of data samples:	216				
TOTAL DATA SAMPLES	216				
Channel number [1]					
Measurement type:	Temperature				
Channel name:	OnBoard Temp				
Channel number [2]					
Measurement type:	Pressure				
Channel name:	OnBoard Pressure				
Sensor Range:	300 PSIG.				
Density:		1.000 g/cm3			depth of pr
Latitude:	45 degrees				-280
Elevation:	0.000 meters (0.000 feet)				
			Chan[1]	Chan[2]	water level
Date	Time	ET (sec)	Fahrenheit	Feet H2O	in ft TOC
--------	--------	----------	----------	----------	
10/18/2007	13:00:00	0	63.27	276.953	-3.047
10/18/2007	13:00:00	0.3	63.32	277.137	-2.863
10/18/2007	13:00:00	0.6	63.32	277.206	-2.794
10/18/2007	13:00:00	0.9	63.34	277.238	-2.762
10/18/2007	13:00:01	1.2	63.34	277.255	-2.745
10/18/2007	13:00:01	1.5	63.34	277.272	-2.728
10/18/2007	13:00:01	1.8	63.34	277.272	-2.728
10/18/2007	13:00:02	2.1	63.36	277.287	-2.713
10/18/2007	13:00:02	2.4	63.34	277.307	-2.693

Attachment E

10/18/2007	13:01:02	62.5	63.27	243.891	-36.109
10/18/2007	13:01:06	66.2	63.25	241.784	-38.216
10/18/2007	13:01:10	70.1	63.25	239.396	-40.604
10/18/2007	13:01:14	74.3	63.25	237.424	-42.576
10/18/2007	13:01:18	78.7	63.25	235.434	-44.566
10/18/2007	13:01:23	83.4	63.23	233.569	-46.431
10/18/2007	13:01:28	88.4	63.23	231.233	-48.767
10/18/2007	13:01:33	93.7	63.23	228.465	-51.535
10/18/2007	13:01:39	99.3	63.23	225.731	-54.269
10/18/2007	13:01:45	105.2	63.23	222.963	-57.037
10/18/2007	13:01:51	111.5	63.2	220.008	-59.992
10/18/2007	13:01:58	118.1	63.2	216.738	-63.262
10/18/2007	13:02:05	125.1	63.2	213.537	-66.463
10/18/2007	13:02:12	132.6	63.2	210.821	-69.179
10/18/2007	13:02:20	140.5	63.2	207.516	-72.484
10/18/2007	13:02:28	148.9	63.2	204.074	-75.926
10/18/2007	13:02:37	157.8	63.2	200.181	-79.819
10/18/2007	13:02:47	167.2	63.2	196.219	-83.781
10/18/2007	13:02:57	177.2	63.18	192.191	-87.809
10/18/2007	13:03:07	187.8	63.18	188.125	-91.875
10/18/2007	13:03:18	199	63.18	183.955	-96.045
10/18/2007	13:03:30	210.9	63.18	179.717	-100.283
10/18/2007	13:03:43	223.5	63.18	175.461	-104.539
10/18/2007	13:03:56	236.8	63.18	171.222	-108.778
10/18/2007	13:04:10	250.9	63.18	166.897	-113.103
10/18/2007	13:04:25	265.8	63.18	162.571	-117.429
10/18/2007	13:04:41	281.6	63.18	158.16	-121.84
10/18/2007	13:04:58	298.4	63.18	153.8	-126.2
10/18/2007	13:05:16	316.2	63.18	149.526	-130.474
10/18/2007	13:05:34	335	63.18	145.201	-134.799
10/18/2007	13:05:54	354.9	63.18	140.928	-139.072
10/18/2007	13:06:15	376	63.18	137.104	-142.896
10/18/2007	13:06:38	398.4	63.18	133.402	-146.598
10/18/2007	13:07:02	422.1	63.18	129.232	-150.768
10/18/2007	13:07:27	447.2	63.2	125.078	-154.922
10/18/2007	13:07:53	473.8	63.2	120.96	-159.04
10/18/2007	13:08:21	502	63.2	116.964	-163.036
10/18/2007	13:08:51	531.9	63.2	113.071	-166.929
10/18/2007	13:09:23	563.5	63.2	109.334	-170.666
10/18/2007	13:09:56	597	63.23	105.681	-174.319
10/18/2007	13:10:32	632.5	63.25	102.236	-177.764
10/18/2007	13:11:10	670.1	63.27	98.894	-181.106
10/18/2007	13:11:49	709.9	63.29	95.76	-184.24
10/18/2007	13:12:32	752.1	63.32	92.782	-187.218
10/18/2007	13:13:16	796.8	63.32	90.014	-189.986
10/18/2007	13:14:04	844.2	63.32	87.229	-192.771
10/18/2007	13:14:54	894.4	63.32	84.634	-195.366
10/18/2007	13:15:47	947.5	63.32	82.142	-197.858
10/18/2007	13:16:43	1003.8	63.29	79.827	-200.173
10/18/2007	13:17:43	1063.4	63.29	77.578	-202.422
10/18/2007	13:18:46	1126.6	63.27	75.452	-204.548
10/18/2007	13:19:53	1193.5	63.27	73.463	-206.537