

PUMP TEST Dine Valley

Scale = 1,000
 STATIC GP ~~36.74~~ 36.74 ~~47.89~~ 47.89
 ZERO OFFSET +0.15 -0.73

Scale = 1,000
 Page 1 of 5
 -382 Barometric Pressure
101.11

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHRLOW | | DEEP | | B.P. |
|---------------|-----------------------------|-------------|-----------------------------|-------|-------|--------|-------|------|-----|------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | 3/1/50 | 1004 | | 35.05 | | 30.77 | | | | |
| | | 1005 | | 35.05 | | 30.77 | | | | |
| | | 1012 | | 35.05 | | 30.78 | | | | |
| | | 1017 | | 35.05 | | 30.77 | | | | |
| | | 1024 | | 35.06 | | 30.76 | | | | |
| | | 1027 | | 35.06 | | 30.76 | | | | |
| | | 1030 | | 35.06 | | 30.77 | | | | |
| | | 1037 | | 35.07 | | 30.78 | | | | |
| | | 1042 | | 35.07 | | 30.78 | | | | |
| | | 1047 | | 35.08 | | 30.78 | | | | |
| | | 1052 | | 35.08 | | 30.79 | | | | |
| | | 1057 | | 35.08 | | 30.79 | | | | |
| | | 1059.45 | | 35.08 | | 30.78 | | | | |
| | | 1059.48 | | 35.09 | | 30.78 | | | | |
| | | 1059.52 | | 35.10 | | 30.78 | | | | |
| | Static | 1059.55 | | 35.10 | 33.00 | 30.78 | | | | |
| | PUMP ON | 1100.39 | ✓ | 40.08 | 34.49 | 30.78 | 0.012 | | | |
| | | 1100.02 | | 43.11 | 37.02 | 30.80 | 0.023 | | | |
| | | 1100.05 | | 46.77 | 46.70 | 30.78 | 0.000 | | | |
| | | 1100.08 | | 51.78 | 53.12 | 30.76 | 0.035 | | | |
| | | 1100.12 | | 59.55 | 58.71 | 30.78 | 0.012 | | | |
| | | 1100.16 | | 57.66 | 63.05 | 30.78 | 0.023 | | | |
| | | 1100.19 | | 58.75 | 67.14 | 30.78 | 0.012 | | | |
| | | 1100.22 | | 54.21 | 70.98 | 30.78 | 0.012 | | | |
| | | 1100.26 | | 52.58 | 74.71 | 30.78 | 0.000 | | | |
| | | 1100.29 | | 50.61 | 79.24 | 30.77 | 0.012 | | | |
| | | 1100.33 | | 49.17 | 82.54 | 30.78 | 0.020 | | | |
| | | 1100.36 | | 47.42 | 86.58 | 30.76 | 0.035 | | | |
| | | 1100.39 | | 45.85 | 90.16 | 30.76 | 0.012 | | | |
| | | 1100.43 | | 44.54 | 93.18 | 30.76 | 0.023 | | | |

PI-IT-1(?)

PINE VALLEY

PUMP TEST

SENS. = 1.0004

SENS. = 1.000

STATIC GP ~~36.74~~ 36.74 ~~47.89~~ 47.89

ZERO OFFSET +0.15 -0.73

SENS. = 1.000

PREC. 0.05

-3.52 BAROMETRIC PRESSURE

+0.44

| RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | R.P. | |
|-----------------------------|-------------|--------------------------|-------|--------|---------|--------|------|-----|------|--|
| | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | CH03 | |
| 8/1/20 | 11:00:41 | | 43.14 | 96.40 | 90.76 | 0.023 | | | 3.83 | |
| | 11:00:50 | | 41.85 | 97.13 | 90.77 | 0.012 | | | 3.83 | |
| | 11:00:53 | | 40.77 | 101.85 | 90.77 | 0.012 | | | 3.83 | |
| | 11:00:56 | | 39.59 | 104.55 | 90.78 | -0.012 | | | 3.83 | |
| | 11:01:00 | 1 min | 38.50 | 107.06 | 90.77 | 0.012 | | | 3.83 | |
| | 11:01:03 | | 37.63 | 109.65 | 90.77 | 0.020 | | | 3.83 | |
| | 11:01:07 | | 36.62 | 111.37 | 90.76 | 0.012 | | | 3.83 | |
| | 11:01:10 | | 35.85 | 113.14 | 90.78 | -0.012 | | | 3.83 | |
| | 11:01:13 | | 35.32 | 114.37 | 90.77 | 0.012 | | | 3.83 | |
| | 11:01:17 | | 34.66 | 115.89 | 90.75 | 0.035 | | | 3.83 | |
| | 11:01:20 | | 34.34 | 116.61 | 90.78 | -0.012 | | | 3.83 | |
| | 11:01:24 | | 34.89 | 115.35 | 90.76 | 0.012 | | | 3.83 | |
| | 11:01:27 | | 35.28 | 114.46 | 90.76 | 0.023 | | | 3.83 | |
| | 11:01:30 | | 35.40 | 114.17 | 90.78 | 0.023 | | | 3.83 | |
| | 11:01:34 | | 35.52 | 113.90 | 90.78 | -0.012 | | | 3.83 | |
| | 11:01:37 | | 35.66 | 113.58 | 90.76 | 0.012 | | | 3.83 | |
| | 11:01:41 | | 35.81 | 113.23 | 90.77 | 0.000 | | | 3.83 | |
| | 11:01:44 | | 35.80 | 113.35 | 90.78 | 0.023 | | | 3.83 | |
| | 11:01:47 | | 35.81 | 113.04 | 90.78 | 0.035 | | | 3.83 | |
| | 11:01:51 | | 35.87 | 113.11 | 90.79 | 0.012 | | | 3.83 | |
| | 11:01:54 | | 35.65 | 113.60 | 90.78 | 0.012 | | | 3.83 | |
| | 11:01:58 | 20 min | 35.67 | 113.55 | 90.78 | -0.012 | | | 3.83 | |
| | 11:02:03 | 3 | 35.74 | 113.40 | 90.78 | 0.000 | | | 3.83 | |
| | 11:02:04 | 4 | 35.62 | 113.69 | 90.77 | 0.023 | | | 3.83 | |
| Drilling @ 75 gpm | 11:02:05 | 5 | 35.75 | 113.38 | 90.76 | 0.000 | | | 3.83 | |
| | 11:02:06 | 6 | 35.64 | 113.63 | 90.81 | -0.035 | | | 3.83 | |
| | 11:02:07 | 7 | 40.40 | 102.70 | 90.79 | -0.012 | | | 3.83 | |
| | 11:02:08 | 8 | 41.38 | 98.54 | 90.81 | -0.040 | | | 3.83 | |
| | 11:02:09 | 9 | 46.66 | 88.82 | 90.81 | -0.023 | | | 3.83 | |
| | 11:02:10 | 10 | 47.99 | 85.24 | 90.81 | -0.046 | | | 3.83 | |

PINE VALLEY
PUMP TEST

CONS. = 1004

CONS. = 1000

STAT. SP. ~~36.74~~ ~~74.89~~ 47.89
ZERO OFFSET +0.15 -0.73

CONS. = 1000 Page 3 of 5
-3.32 BAROMETRIC PRESSURE
4.44

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. |
|------------|-----------------------------|-------------|--------------------------|-------|--------|---------|-------|------|-----|-------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | 2/1/00 | 11:11 | 11 | 49.17 | 32.56 | 90.53 | 0.246 | | | -3.32 |
| | | 11:12 | 12 | 50.07 | 32.59 | 90.78 | 0.220 | | | -3.32 |
| | | 11:13 | 13 | 50.15 | 39.60 | 90.80 | 0.223 | | | -3.32 |
| | | 11:14 | 14 | 50.85 | 38.68 | 90.78 | 0.200 | | | -3.32 |
| | | 11:15 | 15 | 51.00 | 38.11 | 90.77 | 0.212 | | | -3.32 |
| | | 11:16 | 16 | 51.19 | 37.39 | 90.76 | 0.212 | | | -3.32 |
| | | 11:17 | 17 | 51.23 | 37.31 | 90.76 | 0.223 | | | -3.32 |
| | | 11:18 | 18 | 51.29 | 37.68 | 90.71 | 0.092 | | | -3.32 |
| | | 11:19 | 19 | 51.30 | 37.67 | 90.69 | 0.092 | | | -3.32 |
| | | 11:20 | 20 | 51.29 | 37.67 | 90.70 | 0.092 | | | -3.32 |
| | | 11:21 | 21 | 51.22 | 37.32 | 90.67 | 0.115 | | | -3.32 |
| | | 11:22 | 22 | 51.20 | 37.39 | 90.67 | 0.138 | | | -3.32 |
| | | 11:23 | 23 | 51.07 | 38.18 | 90.64 | 0.161 | | | -3.32 |
| | | 11:24 | 24 | 51.03 | 38.27 | 90.61 | 0.176 | | | -3.32 |
| | | 11:25 | 25 | 50.97 | 38.41 | 90.62 | 0.208 | | | -3.32 |
| | | 11:26 | 26 | 50.96 | 38.47 | 90.56 | 0.242 | | | -3.32 |
| | | 11:27 | 27 | 50.82 | 38.77 | 90.53 | 0.300 | | | -3.32 |
| | | 11:28 | 28 | 50.76 | 38.90 | 90.52 | 0.311 | | | -3.32 |
| | | 11:29 | 29 | 50.72 | 39.00 | 90.48 | 0.358 | | | -3.32 |
| | | 11:30 | 30 | 50.55 | 39.37 | 90.47 | 0.358 | | | -3.32 |
| | | 11:35 | 35 | 50.51 | 39.45 | 90.36 | 0.473 | | | -3.32 |
| | | 11:40 | 40 | 50.24 | 39.56 | 90.23 | 0.616 | | | -3.32 |
| | | 11:45 | 45 | 49.88 | 39.92 | 90.11 | 0.734 | | | -3.32 |
| | | 11:50 | 50 | 49.47 | 39.87 | 90.01 | 0.900 | | | -3.32 |
| | | 11:55 | 55 | 49.21 | 39.45 | 89.90 | 1.015 | | | -3.32 |
| | | 12:00 | 60 | 48.90 | 38.17 | 89.78 | 1.153 | | | -3.32 |
| | | 12:11 | 71 | 48.50 | 37.08 | 89.53 | 1.442 | | | -3.32 |
| | | 12:20 | 80 | 48.24 | 36.68 | 89.34 | 1.650 | | | -3.32 |
| | | 12:30 | 90 | 47.83 | 35.61 | 89.15 | 1.849 | | | -3.32 |
| | | 13:00 | 120 | 47.27 | 36.190 | 88.59 | 2.515 | | | -3.32 |

PUMP TEST P106 VARIETY

W.C. = 1.01
 STATIC G.P. 86.74
 ZERO OFFSET +12.15
 1.000
 80
 4689
 -0.73

W.C. = 1.01
 STATIC G.P. 86.74
 ZERO OFFSET +12.15
 1.000
 80
 4689
 -0.73

| CHECKED BY | R.V. NO | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE STARTING RUN | TEST | | SHALLOW | | DEEP | | B.P. | DEPTH |
|------------|---------|-----------------------------|--------------|-------------------------|-------|--------|---------|-------|------|-----|-------|-------|
| | | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | | |
| | | 8/1/80 | 13:30 8/1/80 | 150 | 47.24 | 87.41 | 88.12 | 3.034 | | | 42.26 | |
| | | | 14:00 | 180 | 46.39 | 87.74 | 87.71 | 3.115 | | | 42.57 | |
| | | | 14:30 | 210 | 46.15 | 88.05 | 87.34 | 3.210 | | | 42.86 | |
| | | | 15:00 | 240 | 45.15 | 88.37 | 87.01 | 4.256 | | | 43.11 | |
| | | | 16:00 | 300 | 45.34 | 91.24 | 86.45 | 4.891 | | | 43.40 | |
| | | | 17:00 | 360 | 44.50 | 93.17 | 85.94 | 5.479 | | | 43.72 | |
| | | | 18:00 | 420 | 44.37 | 93.45 | 85.52 | 5.241 | | | 43.11 | |
| | | | 19:00 | 480 | 43.60 | 95.23 | 85.13 | 6.402 | | | 43.93 | |
| | | | 20:00 | 540 | 43.11 | 96.37 | 84.52 | 6.771 | | | 43.92 | |
| | | | 21:00 | 600 | 42.42 | 97.21 | 84.53 | 7.140 | | | 43.69 | |
| | | | 22:00 | 660 | 42.33 | 98.20 | 84.25 | 7.475 | | | 43.02 | |
| | | | 23:00 | 720 | 42.13 | 98.68 | 84.01 | 7.763 | | | 43.67 | |
| | | 8/2/80 | 01:00 8/2/80 | 840 | 41.15 | 100.92 | 83.56 | 8.271 | | | 43.38 | |
| | | | 03:00 | 960 | 40.70 | 101.96 | 83.17 | 8.192 | | | 43.57 | |
| | | | 05:00 | 1080 | 42.80 | 97.12 | 82.90 | 9.032 | | | 43.58 | |
| | | | 07:00 | 1200 | 42.78 | 97.18 | 82.83 | 9.124 | | | 43.57 | |
| | | | 09:00 | 1320 | 43.29 | 96.02 | 82.71 | 9.214 | | | 43.26 | |
| | | | 11:00 | 1540 | 43.69 | 95.07 | 82.59 | 9.339 | | | 43.59 | |
| | | | 12:00 | 16:00 | 44.07 | 94.18 | 82.57 | 9.39 | | | 43.70 | |
| | | | 13:00 | 16:60 | 44.68 | 101.95 | 82.54 | 9.40 | | | 43.92 | |
| | | | 14:00 | 17:20 | 44.60 | 102.10 | 82.45 | 9.47 | | | 43.15 | |
| | | | 15:00 | 17:80 | 44.75 | 101.72 | 82.34 | 9.56 | | | 43.98 | |
| | | | 16:00 | 18:40 | 43.70 | 104.18 | 82.30 | 9.65 | | | 43.14 | |
| | | | 17:00 | 19:00 | 43.82 | 103.59 | 82.20 | 9.76 | | | 43.15 | |
| | | | 18:00 | 19:60 | 43.95 | 103.58 | 82.15 | 9.81 | | | 43.16 | |
| | | | 19:00 | 20:20 | 43.08 | 105.60 | 82.13 | 9.84 | | | 43.15 | |
| | | | 20:00 | 20:80 | 43.45 | 104.73 | 82.08 | 9.87 | | | 43.97 | |
| | | | 21:00 | 21:40 | 43.93 | 105.91 | 82.06 | 9.90 | | | 43.97 | |
| | | | 22:00 | 22:00 | 43.18 | 105.79 | 82.00 | 9.95 | | | 43.38 | |
| | | | 23:00 | 22:60 | 41.47 | 99.62 | 82.01 | 9.94 | | | 43.98 | |

All rounding by MG has been to the next digit up (i.e. 75.655 ~ 75.66) if digit to be rounded is .4 . 5

SENS = 1.004
 RANGE = 100
 STATIC GP 86.74
 ZERO OFFSET +0.15
 47.89
 -0.75

1.000 Page 5 of 5
 RANGE = 50
 BAROMETRIC PRESSURE
 70.44

| PUMP TEST # | RECORDED BY / CALCULATED BY MG | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. |
|-------------|--------------------------------|-------------|--------------------------|------|-------|---------|-------|------|-----|-------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | CH03 |
| 8-3-82 | | 08:00 | 8:50 | 2320 | 41.89 | 98.10 | 82.06 | 9.87 | | -3.99 |
| | | 01:00 | | 2380 | 42.02 | 98.02 | 82.11 | 9.77 | | -4.00 |
| | | 02:00 | | 2440 | 42.19 | 98.37 | 82.16 | 9.72 | | -4.02 |
| | | 05:00 | | 2500 | 42.05 | 98.68 | 82.19 | 9.68 | | -4.03 |
| | | 04:00 | | 2560 | 42.02 | 98.76 | 82.20 | 9.67 | | -4.03 |
| | | 07:00 | | 2620 | 42.10 | 98.56 | 82.22 | 9.65 | | -4.04 |
| | | 06:00 | | 2680 | 42.19 | 98.35 | 82.25 | 9.60 | | -4.04 |
| | | 07:00 | | 2740 | 42.32 | 98.05 | 82.24 | 9.61 | | -4.04 |
| | | 08:00 | | 2800 | 42.00 | 98.79 | 82.24 | 9.61 | | -4.04 |
| | | 09:00 | | 2860 | 40.89 | 101.08 | 82.22 | 9.63 | | -4.04 |
| | | 10:00 | | 2920 | 40.84 | 101.29 | 82.17 | 9.63 | | -4.05 |
| | | 11:00 | | 2980 | 41.04 | 100.87 | 82.17 | 9.63 | | -4.05 |
| | | 12:00 | | 3100 | 41.35 | 100.24 | 82.15 | 9.69 | | -4.07 |
| | | 13:00 | | 3160 | 41.28 | 100.37 | 82.14 | 9.67 | | -4.04 |
| | | 14:00 | | 3220 | 41.57 | 99.68 | 82.15 | 9.62 | | -4.12 |
| | | 15:00 | | 3280 | 43.98 | 94.11 | 82.15 | 9.60 | | -4.14 |
| | | 16:00 | | 3340 | 40.53 | 102.03 | 82.14 | 9.60 | | -4.15 |
| | | 17:00 | | 3400 | 40.66 | 101.95 | 82.12 | 9.60 | | -4.17 |
| | | 18:00 | | 3460 | 40.37 | 102.37 | 82.11 | 9.61 | | -4.17 |
| | | 19:00 | | 3520 | 39.59 | 102.19 | 82.10 | 9.62 | | -4.17 |
| | | 20:00 | | 3580 | 39.39 | 104.81 | 82.08 | 9.64 | | -4.17 |
| | | 21:00 | | 3640 | 39.31 | 104.83 | 82.05 | 9.69 | | -4.16 |
| | | 22:00 | | 3700 | 39.37 | 104.77 | 82.10 | 9.65 | | -4.14 |
| | | 23:00 | 8-3-82 | 3760 | 38.57 | 103.51 | 82.12 | 9.65 | | -4.13 |
| | | 00:00 | 8-4-82 | 3820 | 38.98 | 105.65 | 82.09 | 9.71 | | -4.12 |
| | | 01:00 | | 3880 | 38.15 | 105.76 | 82.12 | 9.69 | | -4.13 |
| | | 02:00 | | 4040 | 38.44 | 105.72 | 82.15 | 9.67 | | -4.15 |
| | | 03:00 | | 4100 | 38.79 | 105.64 | 82.16 | 9.64 | | -4.17 |
| | | 04:00 | | 4160 | 38.64 | 108.96 | 82.17 | 9.65 | | -4.19 |
| | | 05:00 | | 4220 | 38.33 | 107.06 | 82.16 | 9.67 | | -4.17 |
| | | 06:00 | | 4280 | 38.17 | 107.53 | 82.15 | 9.67 | | -4.18 |

PUMP TEST

SPNS = 1.307
 Pump = 100
 STATIC GP 26.74
 ZERO OFFSET 10.15

1.000
 range = 50
 17.89
 -0.175

1.000
 range = 50
 BAROMETRIC PRESSURE
 30.14

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. CH03 |
|------------|-----------------------------|-------------|--------------------------|--------|-------|---------|-----|------|------|-----------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | | 13:10 | 55.97 | 112.65 | 51.10 | 9.56 | | | 4.26 | |
| | | 14:00 | 56.21 | 112.80 | 51.02 | 9.55 | | | 4.25 | |
| | | 15:00 | 56.32 | 111.82 | 51.96 | 9.72 | | | 4.05 | |
| | | 15:20 | 56.52 | 111.36 | 51.92 | 9.77 | | | 4.05 | |
| | | 15:40 | 56.77 | 110.79 | 51.90 | 9.79 | | | 4.05 | |
| | | 16:40 | 57.03 | 110.18 | 51.89 | 9.99 | | | 4.06 | |
| | | 17:00 | 57.33 | 109.47 | 51.88 | 9.97 | | | 4.07 | |
| | | 17:00 | 57.56 | 108.71 | 51.87 | 9.97 | | | 4.10 | |
| | | 18:00 | 57.95 | 107.99 | 51.91 | 9.90 | | | 4.12 | |
| | | 18:00 | 57.84 | 108.21 | 51.90 | 9.87 | | | 4.15 | |
| | | 19:00 | 57.42 | 108.69 | 51.91 | 9.84 | | | 4.17 | |
| | | 19:00 | 57.44 | 107.09 | 51.90 | 9.85 | | | 4.19 | |
| | | 19:00 | 41.56 | 111.57 | 52.00 | 9.69 | | | 4.21 | |
| | | 20:00 | 58.43 | 104.52 | 52.10 | 9.57 | | | 4.21 | |
| | | 21:00 | 57.22 | 104.99 | 52.13 | 9.55 | | | 4.20 | |
| | | 22:00 | 57.16 | 105.14 | 52.18 | 9.50 | | | 4.19 | |
| | | 23:00 | 58.53 | 105.71 | 52.20 | 9.50 | | | 4.17 | |
| | 8-5-80 | 8:580 | 58.70 | 106.24 | 52.22 | 9.48 | | | 4.17 | |
| | | 01:00 | 58.74 | 106.13 | 52.24 | 9.47 | | | 4.16 | |
| | | 02:00 | 58.78 | 106.05 | 52.25 | 9.47 | | | 4.15 | |
| | | 03:00 | 4.74 38.85 | 105.71 | 52.25 | 9.46 | | | 4.13 | |
| | | 04:00 | 38.55 | 105.59 | 52.27 | 9.46 | | | 4.11 | |
| | | 05:00 | 38.32 | 107.12 | 52.30 | 9.42 | | | 4.14 | |
| | | 06:00 | 38.22 | 107.36 | 52.28 | 9.46 | | | 4.13 | |
| | | 07:00 | 38.21 | 107.37 | 52.30 | 9.45 | | | 4.12 | |
| | | 08:00 | 38.44 | 106.58 | 52.28 | 9.47 | | | 4.11 | |
| | | 09:00 | 38.50 | 106.79 | 52.25 | 9.52 | | | 4.11 | |
| | | 10:00 | 38.88 | 105.87 | 52.24 | 9.53 | | | 4.11 | |
| | | 11:00 | 39.00 | 105.59 | 52.24 | 9.53 | | | 4.11 | |
| | | 12:00 | 37.00 | 105.45 | 52.23 | 9.54 | | | 4.11 | |

PUMP TEST

sons = 1.004
 hant = 100
 STATIC GP 56.74
 ZERO OFFSET = 0.15

11800
 50
 47.89
 -0.73

1500 PWT 1.05
 50
 PARABOLIC PRESSURE
 +0.44

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B P |
|------------|-----------------------------|-------------|--------------------------|-------|--------|---------|------|------|-----|-------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | | 1300 5-5-80 | 6140 | 57.30 | 104.59 | 52.26 | 9.49 | | | -4.12 |
| | | 1400 | 6200 | 57.51 | 104.37 | 52.28 | 9.44 | | | -4.15 |
| | | 1500 | 6260 | 57.58 | 104.25 | 52.30 | 9.41 | | | -4.11 |
| | | 1600 | 6320 | 57.64 | 104.13 | 52.33 | 9.44 | | | -4.10 |
| | | 1700 | 6370 | 57.61 | 104.17 | 52.36 | 9.37 | | | -4.13 |
| | | 1800 | 6430 | 57.36 | 104.72 | 52.34 | 9.37 | | | -4.15 |
| | | 1900 | 6500 | 57.32 | 104.51 | 52.37 | 9.35 | | | -4.15 |
| | | 2000 | 6560 | 57.28 | 105.35 | 52.37 | 9.30 | | | -4.16 |
| | | 2100 | 6620 | 58.58 | 105.57 | 52.46 | 9.37 | | | -4.16 |
| | | 2200 | 6680 | 58.74 | 105.24 | 52.41 | 9.30 | | | -4.17 |
| | | 2300 | 6740 | 58.93 | 104.38 | 52.40 | 9.33 | | | -4.12 |
| | | 2400 5-6-80 | 6800 | 58.42 | 106.92 | 52.42 | 9.32 | | | -4.11 |
| | | 2500 | 6860 | 58.37 | 107.03 | 52.43 | 9.31 | | | -4.11 |
| | | 2600 | 6920 | 58.21 | 107.41 | 52.43 | 9.32 | | | -4.10 |
| | | 2700 | 6980 | 58.05 | 107.78 | 52.43 | 9.32 | | | -4.10 |
| | | 2800 | 7040 | 58.03 | 107.84 | 52.43 | 9.33 | | | -4.09 |
| | | 2900 | 7100 | 58.24 | 107.24 | 52.43 | 9.32 | | | -4.10 |
| | | 3000 | 7160 | 58.17 | 107.51 | 52.43 | 9.32 | | | -4.10 |
| | | 3100 | 7220 | 58.15 | 107.59 | 52.41 | 9.38 | | | -4.07 |
| | | 3200 | 7280 | 58.28 | 107.27 | 52.42 | 9.37 | | | -4.07 |
| | | 3300 | 7340 | 58.57 | 105.75 | 52.39 | 9.41 | | | -4.06 |
| | | 3400 | 7400 | 58.05 | 105.46 | 52.34 | 9.40 | | | -4.07 |
| | | 3500 | 7460 | 58.15 | 105.21 | 52.32 | 9.39 | | | -4.09 |
| | | 3600 | 7520 | 58.48 | 104.54 | 52.42 | 9.34 | | | -4.09 |
| | | 3700 | 7580 | 58.25 | 104.01 | 52.48 | 9.37 | | | -4.10 |
| | | 3800 | 7640 | 58.74 | 103.77 | 52.46 | 9.33 | | | -4.10 |
| | | 3900 | 7700 | 58.07 | 103.30 | 52.48 | 9.30 | | | -4.07 |
| | | 4000 | 7760 | 58.13 | 103.03 | 52.50 | 9.26 | | | -4.09 |
| | | 4100 | 7820 | 58.69 | 102.13 | 52.51 | 9.24 | | | -4.07 |
| | | 4200 | 7880 | 58.74 | 103.71 | 52.53 | 9.20 | | | -4.10 |

PUMP TEST

STATION 1.004
 PUMP = 100
 STATIC GP 82.54
 ZERO OFFSET 0.15

1.000
 50
 47.91
 -0.93

1.000
 Pump = 100
 BAROMETRIC PRESSURE
 10.14

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B P |
|------------|-----------------------------|-------------|--------------------------|-------|--------|---------|------|------|-----|------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | | 8:00 | 7:40 | 37.47 | 104.65 | 82.53 | 9.20 | | | 4.10 |
| | | 8:00 | 8:00 | 37.41 | 104.67 | 82.54 | 9.19 | | | 4.10 |
| | | 8:00 | 8:00 | 37.18 | 105.22 | 82.57 | 9.18 | | | 4.03 |
| | | 8:00 | 8:10 | 37.20 | 105.20 | 82.58 | 9.19 | | | 4.05 |
| | | 8:00 | 8:10 | 37.96 | 105.75 | 82.59 | 9.19 | | | 4.05 |
| | | 8:00 | 8:20 | 37.00 | 105.66 | 82.59 | 9.19 | | | 4.05 |
| | | 8:00 | 8:30 | 37.90 | 105.89 | 82.60 | 9.18 | | | 4.05 |
| | | 8:00 | 8:40 | 37.74 | 106.20 | 82.62 | 9.17 | | | 4.04 |
| | | 8:00 | 8:40 | 37.49 | 106.84 | 82.63 | 9.16 | | | 4.04 |
| | | 8:00 | 8:40 | 37.19 | 107.54 | 82.63 | 9.17 | | | 4.03 |
| | | 8:00 | 8:50 | 37.05 | 107.86 | 82.62 | 9.18 | | | 4.03 |
| | | 8:00 | 8:50 | 37.99 | 108.01 | 82.62 | 9.23 | | | 4.03 |
| | | 8:00 | 8:50 | 37.79 | 108.49 | 82.60 | 9.23 | | | 4.01 |
| | | 8:00 | 8:50 | 37.41 | 107.07 | 82.58 | 9.26 | | | 4.00 |
| | | 8:00 | 8:50 | 37.62 | 105.59 | 82.56 | 9.30 | | | 3.77 |
| | | 8:00 | 8:40 | 37.04 | 105.24 | 82.50 | 9.37 | | | 3.94 |
| | | 8:00 | 8:40 | 37.08 | 105.46 | 82.48 | 9.30 | | | 4.00 |
| | | 8:00 | 8:40 | 37.45 | 104.73 | 82.49 | 9.34 | | | 4.02 |
| | JU | 8:00 | 8:40 | 37.45 | 104.73 | 82.48 | 9.30 | | | 4.04 |
| | | 8:00 | 8:40 | 37.36 | 104.72 | 82.49 | 9.31 | | | 4.05 |
| | | 8:00 | 8:40 | 37.55 | 105.59 | 82.51 | 9.24 | | | 4.06 |
| | | 8:00 | 8:40 | 37.78 | 103.84 | 82.51 | 9.24 | | | 4.08 |
| | | 8:00 | 8:40 | 37.90 | 103.54 | 82.54 | 9.19 | | | 4.10 |
| | | 8:00 | 8:40 | 37.93 | 105.70 | 82.57 | 9.16 | | | 4.10 |
| | | 8:00 | 8:40 | 37.68 | 106.38 | 82.57 | 9.16 | | | 4.10 |
| | | 8:00 | 8:40 | 37.55 | 106.63 | 82.57 | 9.16 | | | 4.10 |
| | | 8:00 | 8:50 | 37.65 | 106.42 | 82.59 | 9.16 | | | 4.08 |
| | | 8:00 | 8:50 | 37.65 | 106.43 | 82.60 | 9.16 | | | 4.07 |
| | | 8:00 | 8:50 | 37.77 | 106.81 | 82.61 | 9.16 | | | 4.05 |
| | | 8:00 | 8:50 | 37.57 | 106.72 | 82.64 | 9.11 | | | 4.07 |

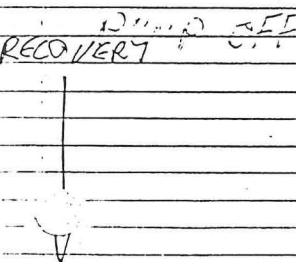
PUMP TEST

sensitivity = 1.004
 range = 100
 STATIC GP $\bar{S} = 74$
 ZERO OFFSET ± 0.15

1.000
 50
47.89
-0.73

1.000
 50
 Page 9 of 10
 BAROMETRIC PRESSURE
 10.44

| TIME RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | R.P. |
|-------------------------------------|-------------|-----------------------------|-------|--------|---------|-------|-------|-----|-------|
| | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | 01:00 | 00:00 | 38.35 | 107.14 | 82.65 | 13.73 | | | -4.06 |
| | 02:00 | 01:00 | 38.26 | 107.35 | 82.65 | 9.10 | | | -4.06 |
| | 03:00 | 02:00 | 38.08 | 107.9 | 82.66 | 9.10 | | | -4.06 |
| | 04:00 | 03:00 | 37.51 | 108.20 | 82.67 | 9.09 | | | -4.06 |
| | 05:00 | 04:00 | 37.75 | 108.45 | 82.67 | 9.10 | | | -4.06 |
| | 06:00 | 05:00 | 37.61 | 108.73 | 82.65 | 9.11 | | | -4.06 |
| | 07:00 | 06:00 | 37.75 | 108.54 | 82.63 | 9.16 | | | -4.06 |
| | 08:00 | 07:00 | 38.07 | 107.80 | 82.63 | 9.16 | | | -4.06 |
| | 09:00 | 08:00 | 38.33 | 107.21 | 82.59 | 9.20 | | | -4.04 |
| | 10:00 | 09:00 | 38.34 | 105.79 | 82.54 | 9.24 | | | -4.06 |
| | 10:30:56 | 1034010314 | 38.15 | 105.29 | 82.51 | 9.25 | | | -4.06 |
| | 10:35:00 | 103500 | 38.11 | 75.74 | 82.51 | 9.25 | | | -4.06 |
| | 10:35:30 | 01 | 38.23 | 17.97 | 82.51 | 9.26 | 51.69 | | -4.07 |
| | 10:36 | 01 | 37.52 | -20.33 | 82.50 | 9.25 | 22.71 | | -4.07 |
| | 10:36:31 | 01 | 37.19 | -28.08 | 82.49 | 9.27 | 28.30 | | -4.08 |
| | 10:37:01 | 02 | 34.26 | -21.35 | 82.44 | 9.27 | 25.42 | | -4.08 |
| | 10:37:30 | 02 | 31.57 | -15.17 | 82.51 | 9.25 | 27.64 | | -4.08 |
| | 10:38 | 03 | 31.54 | -10.59 | 82.44 | 9.29 | 20.63 | | -4.07 |
| | 39 | 04 | 28.60 | -4.17 | 82.44 | 9.31 | 17.61 | | -4.05 |
| | 40 | 05 | 34.29 | -1.59 | 82.50 | 9.30 | 15.31 | | -4.05 |
| | 41 | 06 | 32.03 | 6.78 | 82.52 | 9.27 | 13.03 | | -4.05 |
| | 42 | 07 | 30.10 | 11.21 | 82.52 | 9.26 | 11.07 | | -4.06 |
| | 43 | 08 | 28.63 | 14.59 | 82.50 | 9.29 | 9.56 | | -4.06 |
| | 44 | 09 | 27.55 | 17.08 | 82.50 | 9.30 | 9.46 | | -4.05 |
| | 45 | 10 | 26.77 | 18.46 | 82.49 | 9.30 | 7.66 | | -4.06 |
| | 46 | 11 | 26.22 | 20.12 | 82.50 | 9.29 | 7.09 | | -4.06 |
| | 47 | 12 | 25.83 | 21.02 | 82.50 | 9.29 | 6.67 | | -4.06 |
| | 48 | 13 | 25.55 | 21.66 | 82.49 | 9.30 | 6.38 | | -4.06 |
| | 49 | 14 | 25.36 | 22.10 | 82.50 | 9.29 | 6.17 | | -4.06 |
| | 50 | 15 | 25.22 | 22.43 | 82.49 | 9.31 | 6.03 | | -4.05 |



PUMP TEST

SENSITIVITY = 1.004
 RANGE = 100
 STATIC GP = 86.74
 ZERO OFFSET = +0.15

1.000
 50
 47.89
 - 0.73

1000
 50
 Page 10 of 51
 BAROMETRIC PRESSURE
 + 0.44

| RECORDED BY / CALCULATED BY (J.M.) | TIME / DATE | TIME SPACE QUARTZ BEATS | TEST | | SHALLOW | | DEEP | | B.P. |
|------------------------------------|--------------|----------------------------|-------|-------|---------|------|-------|-----|-------|
| | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | 10:51 8.B.E. | 16 | 75.15 | 25.58 | 82.48 | 9.30 | 5.35 | | -4.06 |
| | 52 | 17 | 75.11 | 22.66 | 82.49 | 9.29 | 5.32 | | -4.07 |
| | 53 | 18 | 75.10 | 22.69 | 82.50 | 9.27 | 5.32 | | -4.07 |
| | 54 | 19 | 75.11 | 22.67 | 82.50 | 9.29 | 5.31 | | -4.06 |
| | 55 | 20 | 75.13 | 22.63 | 82.51 | 9.27 | 5.34 | | -4.06 |
| | 56 | 21 | 75.17 | 22.53 | 82.52 | 9.25 | 5.38 | | -4.07 |
| | 57 | 22 | 75.22 | 22.42 | 82.53 | 9.25 | 6.02 | | -4.06 |
| | 58 | 23 | 75.27 | 22.31 | 82.53 | 9.25 | 6.07 | | -4.06 |
| | 59 | 24 | 75.33 | 22.16 | 82.55 | 9.25 | 6.15 | | -4.07 |
| | 11:00 | 25 | 75.38 | 22.05 | 82.55 | 9.23 | 6.23 | | -4.06 |
| | 01 | 26 | 75.43 | 21.92 | 82.58 | 9.19 | 6.28 | | -4.06 |
| | 02 | 27 | 75.50 | 21.78 | 82.56 | 9.22 | 6.32 | | -4.06 |
| | 03 | 28 | 75.56 | 21.64 | 82.59 | 9.18 | 6.37 | | -4.06 |
| | 04 | 29 | 75.63 | 21.48 | 82.58 | 9.19 | 6.43 | | -4.06 |
| | 05 | 30 | 75.68 | 21.37 | 82.61 | 9.16 | 6.51 | | -4.06 |
| | each 5 min | 35 | 75.99 | 20.65 | 82.67 | 9.09 | 6.77 | | -4.06 |
| | 11:15 | 40 | 76.37 | 20.05 | 82.73 | 9.07 | 7.07 | | -4.05 |
| | 11:20 | 45 | 76.82 | 19.32 | 82.81 | 8.97 | 7.57 | | -4.05 |
| | 11:25 | 50 | 77.22 | 18.51 | 82.87 | 8.87 | 8.07 | | -4.05 |
| | 30 | 55 | 77.38 | 18.37 | 82.94 | 8.81 | 7.79 | | -4.05 |
| | 35 | 60 | 77.18 | 18.10 | 83.01 | 8.71 | 8.00 | | -4.04 |
| | 2nd 5 min | 11:50:10 | 77.69 | 16.72 | 83.22 | 8.43 | 8.42 | | -4.02 |
| | every 30 min | 12:15 | 78.36 | 15.15 | 83.57 | 8.06 | 9.15 | | -4.02 |
| | 12:45 | 135 | 78.78 | 13.77 | 83.94 | 7.60 | 9.72 | | -4.02 |
| | 13:15 | 165 | 79.42 | 12.57 | 84.31 | 7.22 | 10.21 | | -4.02 |
| | 13:45 | 195 | 79.91 | 11.60 | 84.58 | 6.86 | 10.61 | | -4.10 |
| | 14:15 | 225 | 80.27 | 10.76 | 84.81 | 6.60 | 10.95 | | -4.11 |
| | 14:45 | 255 | 80.58 | 10.02 | 85.05 | 6.36 | 11.26 | | -4.13 |
| | 15:15 | 285 | 80.85 | 9.40 | 85.27 | 6.01 | 11.52 | | -4.13 |
| | 15:45 | 315 | 81.08 | 8.81 | 85.47 | 5.77 | 11.75 | | -4.14 |
| | 4.5 min | 340 | 81.28 | 8.38 | 85.69 | 5.55 | 11.97 | | -4.14 |

RECORDED

PUMP TEST

POD OFFSET + 0.15

- 0.73

11.19

| STATION RECORDED BY | CALCULATED BY | TIME / DATE | TIME SINCE STARTING PUMP | TEST | | SINKING | | DEEP | | B.P. |
|------------------------|---------------|-------------|-----------------------------|-------|-------|---------|-------|-------|-------|-------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| RECOVER X | EVERY HOUR | 12:00 | 8:55 | B1.56 | 7.74 | B5.27 | 5.17 | 12.24 | | -9.16 |
| | | 13:00 | 4.45 | B1.88 | 6.74 | B6.32 | 4.75 | 12.52 | | -9.17 |
| | | 14:00 | 5.05 | B2.14 | 6.54 | B6.61 | 4.42 | 12.83 | | -9.17 |
| | | 15:00 | 5.65 | B2.39 | 5.82 | B6.90 | 4.05 | 13.07 | | -9.17 |
| | | 16:00 | 6.25 | B2.60 | 5.55 | B7.17 | 3.52 | 13.29 | | -9.16 |
| | | 17:00 | 6.85 | B2.79 | 4.74 | B7.43 | 3.51 | 13.41 | | -9.18 |
| | | 18:00 | 7.45 | B2.96 | 4.56 | B7.66 | 3.25 | 13.64 | | -9.18 |
| | | 19:00 | 8.05 | B3.11 | 4.27 | B7.88 | 3.01 | 13.71 | | -9.18 |
| | | 20:00 | 8.95 | B3.25 | 3.75 | B8.07 | 2.84 | 13.72 | | -9.18 |
| | | 21:00 | 9.25 | B3.38 | 3.61 | B8.34 | 2.61 | 13.69 | | -9.17 |
| | | 22:00 | 10.35 | B3.50 | 3.34 | B8.42 | 2.40 | 13.15 | | -9.17 |
| | | 23:00 | 11.15 | B3.62 | 3.06 | B8.58 | 2.21 | 13.26 | | -9.17 |
| | | 24:00 | 12.05 | B3.72 | 2.86 | B8.75 | 2.04 | 13.35 | | -9.19 |
| | | 25:00 | 12.65 | B3.81 | 2.65 | B8.88 | 1.89 | 13.44 | | -9.09 |
| | | 26:00 | 13.25 | B3.89 | 2.49 | B8.80 | 1.78 | 13.52 | | -9.07 |
| | | 27:00 | 13.55 | B3.96 | 2.40 | B9.12 | 1.71 | 13.57 | | -9.01 |
| | | 28:00 | 14.45 | B4.04 | 2.24 | B9.20 | 1.57 | 13.65 | | -9.05 |
| | | 29:00 | 15.05 | B4.08 | 2.10 | B9.21 | 1.50 | 13.72 | | -9.07 |
| | | 30:00 | 15.65 | B4.08 | 2.05 | B9.29 | 1.44 | 13.75 | | -9.07 |
| | | 31:00 | 16.25 | B4.14 | 1.96 | B9.35 | 1.37 | 13.79 | | -9.09 |
| | | 32:00 | 16.85 | B4.16 | 1.83 | B9.41 | 1.27 | 13.83 | | -9.10 |
| | | 33:00 | 17.45 | B4.20 | 1.74 | B9.48 | 1.19 | 13.81 | | -9.10 |
| | 34:00 | 18.05 | B4.24 | 1.61 | B9.55 | 1.07 | 13.92 | | -9.12 | |
| | 35:00 | 18.65 | B4.28 | 1.36 | B9.60 | 1.00 | 13.95 | | -9.14 | |
| | 36:00 | 19.25 | B4.32 | 1.51 | B9.67 | 0.95 | 13.97 | | -9.15 | |
| | 37:00 | 19.85 | B4.35 | 1.53 | B9.74 | 0.73 | 14.02 | | -9.16 | |
| | 38:00 | 20.45 | B4.39 | 1.22 | B9.80 | 0.66 | 14.05 | | -9.17 | |
| | 39:00 | 21.05 | B4.42 | 1.16 | B9.86 | 0.67 | 14.09 | | -9.17 | |
| | 40:00 | 21.65 | B4.46 | 1.09 | B9.89 | 0.61 | 14.12 | | -9.15 | |
| | 41:00 | 22.25 | B4.50 | 1.03 | B9.91 | 0.54 | 14.16 | | -9.13 | |

PUMP TEST

WELL NO. 10

DATE

| RECORDED BY | PERFORMED BY / CALCULATED BY | TIME / DATE | TIME TO SURFACE (s) | CH00 (s) | CH01 (s) | CH02 (s) | CH03 (s) |
|-------------|------------------------------|--------------|---------------------|----------|----------|----------|----------|
| | FROM 2 HOURS | 23:00 8-11-8 | 85 | 1.54 | 0.16 | 20.09 | 15.10 |
| | FROM 2 HOURS | 1:00 8-11-8 | 91.25 | 1.61 | 0.20 | 20.21 | 15.25 |
| | | 3:00 | 95.25 | 1.69 | 0.24 | 20.32 | 15.42 |
| | | 5:00 | 99.45 | 1.76 | 0.28 | 20.44 | 15.58 |
| | | 7:00 | 103.5 | 1.84 | 0.32 | 20.53 | 16.15 |
| | | 9:00 | 107.5 | 1.92 | 0.36 | 20.62 | 16.32 |
| | | 11:00 | 111.5 | 2.00 | 0.40 | 20.71 | 16.49 |
| | FROM 3 HOURS | 13:00 | 115.5 | 2.08 | 0.44 | 20.80 | 16.66 |
| | | 15:00 | 119.5 | 2.16 | 0.48 | 20.90 | 16.83 |
| | | 17:00 | 123.5 | 2.24 | 0.52 | 21.00 | 17.00 |
| | | 19:00 | 127.5 | 2.32 | 0.56 | 21.10 | 17.17 |
| | | 21:00 | 131.5 | 2.40 | 0.60 | 21.20 | 17.34 |
| | | 23:00 8-11-8 | 135.5 | 2.48 | 0.64 | 21.30 | 17.51 |
| | | 1:00 | 139.5 | 2.56 | 0.68 | 21.40 | 17.68 |
| | | 3:00 | 143.5 | 2.64 | 0.72 | 21.50 | 17.85 |
| | | 5:00 | 147.5 | 2.72 | 0.76 | 21.60 | 18.02 |
| | FROM 4 HOURS | 7:00 | 151.5 | 2.80 | 0.80 | 21.70 | 18.19 |
| | | 9:00 | 155.5 | 2.88 | 0.84 | 21.80 | 18.36 |
| | | 11:00 | 159.5 | 2.96 | 0.88 | 21.90 | 18.53 |
| | | 13:00 | 163.5 | 3.04 | 0.92 | 22.00 | 18.70 |
| | | 15:00 | 167.5 | 3.12 | 0.96 | 22.10 | 18.87 |
| | | 17:00 8-12-8 | 171.5 | 3.20 | 1.00 | 22.20 | 19.04 |
| | | 19:00 | 175.5 | 3.28 | 1.04 | 22.30 | 19.21 |
| | | 21:00 | 179.5 | 3.36 | 1.08 | 22.40 | 19.38 |
| | | 23:00 | 183.5 | 3.44 | 1.12 | 22.50 | 19.55 |
| | | 1:00 | 187.5 | 3.52 | 1.16 | 22.60 | 19.72 |
| | | 3:00 | 191.5 | 3.60 | 1.20 | 22.70 | 19.89 |
| | | 5:00 | 195.5 | 3.68 | 1.24 | 22.80 | 20.06 |
| | | 7:00 | 199.5 | 3.76 | 1.28 | 22.90 | 20.23 |
| | | 9:00 | 203.5 | 3.84 | 1.32 | 23.00 | 20.40 |
| | | 11:00 | 207.5 | 3.92 | 1.36 | 23.10 | 20.57 |
| | | 13:00 | 211.5 | 4.00 | 1.40 | 23.20 | 20.74 |
| | | 15:00 | 215.5 | 4.08 | 1.44 | 23.30 | 20.91 |
| | | 17:00 | 219.5 | 4.16 | 1.48 | 23.40 | 21.08 |
| | | 19:00 | 223.5 | 4.24 | 1.52 | 23.50 | 21.25 |
| | | 21:00 | 227.5 | 4.32 | 1.56 | 23.60 | 21.42 |
| | | 23:00 | 231.5 | 4.40 | 1.60 | 23.70 | 21.59 |
| | | 1:00 | 235.5 | 4.48 | 1.64 | 23.80 | 21.76 |
| | | 3:00 | 239.5 | 4.56 | 1.68 | 23.90 | 21.93 |
| | | 5:00 | 243.5 | 4.64 | 1.72 | 24.00 | 22.10 |
| | | 7:00 | 247.5 | 4.72 | 1.76 | 24.10 | 22.27 |
| | | 9:00 | 251.5 | 4.80 | 1.80 | 24.20 | 22.44 |
| | | 11:00 | 255.5 | 4.88 | 1.84 | 24.30 | 22.61 |
| | | 13:00 | 259.5 | 4.96 | 1.88 | 24.40 | 22.78 |
| | | 15:00 | 263.5 | 5.04 | 1.92 | 24.50 | 22.95 |
| | | 17:00 | 267.5 | 5.12 | 1.96 | 24.60 | 23.12 |
| | | 19:00 | 271.5 | 5.20 | 2.00 | 24.70 | 23.29 |
| | | 21:00 | 275.5 | 5.28 | 2.04 | 24.80 | 23.46 |
| | | 23:00 | 279.5 | 5.36 | 2.08 | 24.90 | 23.63 |
| | | 1:00 | 283.5 | 5.44 | 2.12 | 25.00 | 23.80 |
| | | 3:00 | 287.5 | 5.52 | 2.16 | 25.10 | 23.97 |
| | | 5:00 | 291.5 | 5.60 | 2.20 | 25.20 | 24.14 |
| | | 7:00 | 295.5 | 5.68 | 2.24 | 25.30 | 24.31 |
| | | 9:00 | 299.5 | 5.76 | 2.28 | 25.40 | 24.48 |
| | | 11:00 | 303.5 | 5.84 | 2.32 | 25.50 | 24.65 |
| | | 13:00 | 307.5 | 5.92 | 2.36 | 25.60 | 24.82 |
| | | 15:00 | 311.5 | 6.00 | 2.40 | 25.70 | 24.99 |
| | | 17:00 | 315.5 | 6.08 | 2.44 | 25.80 | 25.16 |
| | | 19:00 | 319.5 | 6.16 | 2.48 | 25.90 | 25.33 |
| | | 21:00 | 323.5 | 6.24 | 2.52 | 26.00 | 25.50 |
| | | 23:00 | 327.5 | 6.32 | 2.56 | 26.10 | 25.67 |
| | | 1:00 | 331.5 | 6.40 | 2.60 | 26.20 | 25.84 |
| | | 3:00 | 335.5 | 6.48 | 2.64 | 26.30 | 26.01 |
| | | 5:00 | 339.5 | 6.56 | 2.68 | 26.40 | 26.18 |
| | | 7:00 | 343.5 | 6.64 | 2.72 | 26.50 | 26.35 |
| | | 9:00 | 347.5 | 6.72 | 2.76 | 26.60 | 26.52 |
| | | 11:00 | 351.5 | 6.80 | 2.80 | 26.70 | 26.69 |
| | | 13:00 | 355.5 | 6.88 | 2.84 | 26.80 | 26.86 |
| | | 15:00 | 359.5 | 6.96 | 2.88 | 26.90 | 27.03 |
| | | 17:00 | 363.5 | 7.04 | 2.92 | 27.00 | 27.20 |
| | | 19:00 | 367.5 | 7.12 | 2.96 | 27.10 | 27.37 |
| | | 21:00 | 371.5 | 7.20 | 3.00 | 27.20 | 27.54 |
| | | 23:00 | 375.5 | 7.28 | 3.04 | 27.30 | 27.71 |
| | | 1:00 | 379.5 | 7.36 | 3.08 | 27.40 | 27.88 |
| | | 3:00 | 383.5 | 7.44 | 3.12 | 27.50 | 28.05 |
| | | 5:00 | 387.5 | 7.52 | 3.16 | 27.60 | 28.22 |
| | | 7:00 | 391.5 | 7.60 | 3.20 | 27.70 | 28.39 |
| | | 9:00 | 395.5 | 7.68 | 3.24 | 27.80 | 28.56 |
| | | 11:00 | 399.5 | 7.76 | 3.28 | 27.90 | 28.73 |
| | | 13:00 | 403.5 | 7.84 | 3.32 | 28.00 | 28.90 |
| | | 15:00 | 407.5 | 7.92 | 3.36 | 28.10 | 29.07 |
| | | 17:00 | 411.5 | 8.00 | 3.40 | 28.20 | 29.24 |
| | | 19:00 | 415.5 | 8.08 | 3.44 | 28.30 | 29.41 |
| | | 21:00 | 419.5 | 8.16 | 3.48 | 28.40 | 29.58 |
| | | 23:00 | 423.5 | 8.24 | 3.52 | 28.50 | 29.75 |
| | | 1:00 | 427.5 | 8.32 | 3.56 | 28.60 | 29.92 |
| | | 3:00 | 431.5 | 8.40 | 3.60 | 28.70 | 30.09 |
| | | 5:00 | 435.5 | 8.48 | 3.64 | 28.80 | 30.26 |
| | | 7:00 | 439.5 | 8.56 | 3.68 | 28.90 | 30.43 |
| | | 9:00 | 443.5 | 8.64 | 3.72 | 29.00 | 30.60 |
| | | 11:00 | 447.5 | 8.72 | 3.76 | 29.10 | 30.77 |
| | | 13:00 | 451.5 | 8.80 | 3.80 | 29.20 | 30.94 |
| | | 15:00 | 455.5 | 8.88 | 3.84 | 29.30 | 31.11 |
| | | 17:00 | 459.5 | 8.96 | 3.88 | 29.40 | 31.28 |
| | | 19:00 | 463.5 | 9.04 | 3.92 | 29.50 | 31.45 |
| | | 21:00 | 467.5 | 9.12 | 3.96 | 29.60 | 31.62 |
| | | 23:00 | 471.5 | 9.20 | 4.00 | 29.70 | 31.79 |
| | | 1:00 | 475.5 | 9.28 | 4.04 | 29.80 | 31.96 |
| | | 3:00 | 479.5 | 9.36 | 4.08 | 29.90 | 32.13 |
| | | 5:00 | 483.5 | 9.44 | 4.12 | 30.00 | 32.30 |
| | | 7:00 | 487.5 | 9.52 | 4.16 | 30.10 | 32.47 |
| | | 9:00 | 491.5 | 9.60 | 4.20 | 30.20 | 32.64 |
| | | 11:00 | 495.5 | 9.68 | 4.24 | 30.30 | 32.81 |
| | | 13:00 | 499.5 | 9.76 | 4.28 | 30.40 | 32.98 |
| | | 15:00 | 503.5 | 9.84 | 4.32 | 30.50 | 33.15 |
| | | 17:00 | 507.5 | 9.92 | 4.36 | 30.60 | 33.32 |
| | | 19:00 | 511.5 | 10.00 | 4.40 | 30.70 | 33.49 |
| | | 21:00 | 515.5 | 10.08 | 4.44 | 30.80 | 33.66 |
| | | 23:00 | 519.5 | 10.16 | 4.48 | 30.90 | 33.83 |
| | | 1:00 | 523.5 | 10.24 | 4.52 | 31.00 | 34.00 |
| | | 3:00 | 527.5 | 10.32 | 4.56 | 31.10 | 34.17 |
| | | 5:00 | 531.5 | 10.40 | 4.60 | 31.20 | 34.34 |
| | | 7:00 | 535.5 | 10.48 | 4.64 | 31.30 | 34.51 |
| | | 9:00 | 539.5 | 10.56 | 4.68 | 31.40 | 34.68 |
| | | 11:00 | 543.5 | 10.64 | 4.72 | 31.50 | 34.85 |
| | | 13:00 | 547.5 | 10.72 | 4.76 | 31.60 | 35.02 |
| | | 15:00 | 551.5 | 10.80 | 4.80 | 31.70 | 35.19 |
| | | 17:00 | 555.5 | 10.88 | 4.84 | 31.80 | 35.36 |
| | | 19:00 | 559.5 | 10.96 | 4.88 | 31.90 | 35.53 |
| | | 21:00 | 563.5 | 11.04 | 4.92 | 32.00 | 35.70 |
| | | 23:00 | 567.5 | 11.12 | 4.96 | 32.10 | 35.87 |
| | | 1:00 | 571.5 | 11.20 | 5.00 | 32.20 | 36.04 |
| | | 3:00 | 575.5 | 11.28 | 5.04 | 32.30 | 36.21 |
| | | 5:00 | 579.5 | 11.36 | 5.08 | 32.40 | 36.38 |
| | | 7:00 | 583.5 | 11.44 | 5.12 | 32.50 | 36.55 |
| | | 9:00 | 587.5 | 11.52 | 5.16 | 32.60 | 36.72 |
| | | 11:00 | 591.5 | 11.60 | 5.20 | 32.70 | 36.89 |
| | | 13:00 | 595.5 | 11.68 | 5.24 | 32.80 | 37.06 |
| | | 15:00 | 599.5 | 11.76 | 5.28 | 32.90 | 37.23 |
| | | 17:00 | 603.5 | 11.84 | 5.32 | 33.00 | 37.40 |
| | | 19:00 | 607.5 | 11.92 | 5.36 | 33.10 | 37.57 |
| | | 21:00 | 611.5 | 12.00 | 5.40 | 33.20 | 37.74 |
| | | 23:00 | 615.5 | 12.08 | 5.44 | 33.30 | 37.91 |
| | | 1:00 | 619.5 | 12.16 | 5.48 | 33.40 | 38.08 |
| | | 3:00 | 623.5 | 12.24 | 5.52 | 33.50 | 38.25 |
| | | 5:00 | 627.5 | 12.32 | 5.56 | 33.60 | 38.42 |
| | | 7:00 | 631.5 | 12.40 | 5.60 | 33.70 | 38.59 |
| | | 9:00 | 635.5 | 12.48 | 5.64 | 33.80 | 38.76 |
| | | 11:00 | 639.5 | 12.56 | 5.68 | 33.90 | 38.93 |
| | | 13:00 | 643.5 | 12.64 | 5.72 | 34.00 | 39.10 |
| | | 15:00 | 647.5 | 12.72 | 5.76 | 34.10 | 39.27 |
| | | 17:00 | 651.5 | 12.80 | 5.80 | 34.20 | 39.44 |
| | | 19:00 | 655.5 | 12.88 | 5.84 | 34.30 | 39.61 |
| | | 21:00 | 659.5 | 12.96 | 5.88 | 34.40 | 39.78 |
| | | 23:00 | 663.5 | 13.04 | 5.92 | 34.50 | 39.95 |
| | | 1:00 | 667.5 | 13.12 | 5.96 | 34.60 | 40.12 |
| | | 3:00 | 671.5 | 13.20 | 6.00 | 34.70 | 40.29 |
| | | 5:00 | 675.5 | 13.28 | 6.04 | 34.80 | 40.46 |
| | | 7:00 | 679.5 | 13.36 | 6.08 | 34.90 | 40.63 |
| | | 9:00 | 68 | | | | |

555 E. Walnut St. Pasadena, Ca. 91101 213-796-9141

Client: FUGRO

Lab Number: 899729.

Job Number: 437.0099

Description: PI-IT4 8/1/80 PINE VALLEY

Sample volume = 3.00 Liters
Sample Taken on: 8/ 1/80 by CLIENT
Sample Received: 8/11/80
Completed on: 9/ 8/80 by GL,MLB,GO

PRELIMINARY

STANDARD MINERALS

| CATIONS | MG/L | MEQ/L | ANIONS | MG/L | MEQ/L |
|---------------|------|-------|----------------|-------|-------|
| SODIUM | 38.0 | 1.65 | BICARBONATE | 130.1 | 2.13 |
| POTASSIUM | 7.3 | 0.19 | CARBONATE | 0.7 | 0.02 |
| CALCIUM | 22.7 | 1.13 | HYDROXIDE | 0.0 | 0.00 |
| MAGNESIUM | 5.4 | 0.44 | CHLORIDE | 22.0 | 0.62 |
| AMMONIA | 0.0 | 0.00 | SULFATE | 18.0 | 0.37 |
| | | | NITRATE | 0.0 | 0.00 |
| *TOT CATIONS* | | 3.42 | *TOTAL ANIONS* | | 3.15 |

SPECIAL ANALYSES

| PARAMETERS | VALUE | UNITS |
|------------------|-------|---------------|
| pH | 8.3 | Units |
| Specific Conduct | 324.0 | MicroMhos-cm |
| Fluoride | 1.1 | MG/L |
| Silica | 65.5 | MG/L |
| Total Diss. Sol. | 254.0 | MG/L |
| Tot. hardness | 78.9 | MG/L as CaCO3 |
| TDS by Add | 243.6 | MG/L |
| Alkalinity | 107.9 | MG/L as CaCO3 |
| LANG. INDEX | 0.26 | |

SUBMITTED BY:

GRACE LIVINGSTON

Grace Livingston

RECEIVED

SEP 15 1980

JAMES M. MONTGOMERY CONSULTING ENGINEERS, INC.
ENVIRONMENTAL RESEARCH LABORATORY

555 E. Walnut St. Pasadena, Ca. 91101 213-796-9141

Client: FUGRO

Lab Number: 800722.

Job Number: 437.0000

Description: PI-IT4 1500 8/3/80

Sample volume = 1.00 Liters

Sample Taken on: 8/ 3/80 by CLIENT

Sample Received: 8/11/80

Completed on: 8/29/80 by GL

PRELIMINARY

*
* SPECIAL ANALYSES *
*

* PARAMETERS * VALUE * UNITS *

* Sodium * 38.0 * MG/L *
* Potassium * 7.1 * MG/L *
* Calcium * 22.4 * MG/L *
* Magnesium * 4.9 * MG/L *
* Sulfate * 17.8 * MG/L *
* Fluoride * 1.2 * MG/L *
* Silica * 63.0 * MG/L *
* Tot. hardness * 76.1 * MG/L as CaCO3 *

SUBMITTED BY:

Grace Livingston
GRACE LIVINGSTON

CHECKED BY:

Andrew Eaton
A. EATON, PH.D

RECEIVED

SEP 15 1980

Fugro National, Inc.

555 E. Walnut St. Pasadena, Ca. 91101 213-796-9141

Client: FUGRO

Lab Number: 800721.
Job Number: 437.0000

Description: PI-IT4 0315 8-3-80

Sample volume = 3.00 Liters
Sample Taken on: 8/ 3/80 by CLIENT
Sample Received: 8/11/80
Completed on: 9/ 8/80 by GL,GO,MLB

PRELIMINARY

* STANDARD MINERALS *

| * CATIONS * | * MG/L * | * MEQ/L * | * ANIONS * | * MG/L * | * MEQ/L * |
|---------------|----------|-----------------|-----------------|-----------|-----------|
| * SODIUM * | * 37.0 * | * 1.61 * | * BICARBONATE * | * 128.6 * | * 2.11 * |
| * POTASSIUM * | * 7.1 * | * 0.18 * | * CARBONATE * | * 0.4 * | * 0.01 * |
| * CALCIUM * | * 23.5 * | * 1.17 * | * HYDROXIDE * | * 0.0 * | * 0.00 * |
| * MAGNESIUM * | * 4.8 * | * 0.39 * | * CHLORIDE * | * 20.8 * | * 0.59 * |
| * AMMONIA * | * 0.0 * | * 0.00 * | * SULFATE * | * 17.8 * | * 0.37 * |
| * * * | * * * | * * * | * NITRATE * | * 0.0 * | * 0.00 * |
| * * * | * * * | * * * | * * * | * * * | * * * |
| *TOT CATIONS* | * 3.36 * | *TOTAL ANIONS * | * 3.03 * | | |

* SPECIAL ANALYSES *

| * PARAMETERS * | * VALUE * | * UNITS * |
|----------------------|-----------|-------------------|
| * pH * | * 8.1 * | * Units * |
| * Specific Conduct * | * 314.0 * | * MicroMhos-cm. * |
| * Fluoride * | * 1.3 * | * MG/L * |
| * Silica * | * 63.0 * | * MG/L * |
| * Total Diss. Sol. * | * 248.0 * | * MG/L * |
| * Tot. hardness * | * 78.5 * | * MG/L as CaCO3 * |
| * TDS by Add * | * 237.7 * | * MG/L * |
| * Alkalinity * | * 106.2 * | * MG/L as CaCO3 * |
| * * * | * * * | * * * |
| * LANG. INDEX * | * 0.07 * | * * * |

RECEIVED

SUBMITTED BY: Grace Livingston
GRACE LIVINGSTON

SEP 15 1980

555 E. Walnut St. Pasadena, Ca. 91101 213-796-9141

Client: FUGRO

Lab Number: 830718.
Job Number: 437.0000

Description: PI IT4 8-8-80

Sample volume = 3.00 Liters
Sample Taken on: 8/ 8/80 by CLIENT
Sample Received: 8/11/80
Completed on: 9/ 8/80 by GL,GO,MLB

PRELIMINARY

STANDARD MINERALS

| * CATIONS * | * MG/L * | * MEQ/L * | * ANIONS * | * MG/L * | * MEQ/L * |
|---------------|----------|----------------|-----------------|----------|-----------|
| * SODIUM * | 36.0 * | 1.57 * | * BICARBONATE * | 127.5 * | 2.09 * |
| * POTASSIUM * | 7.2 * | 0.18 * | * CARBONATE * | 0.3 * | 0.01 * |
| * CALCIUM * | 21.2 * | 1.06 * | * HYDROXIDE * | 0.0 * | 0.00 * |
| * MAGNESIUM * | 4.9 * | 0.40 * | * CHLORIDE * | 20.8 * | 0.59 * |
| * AMMONIA * | 0.0 * | 0.00 * | * SULFATE * | 18.4 * | 0.38 * |
| * * * | * * * | * * * | * NITRATE * | 1.1 * | 0.08 * |
| * * * | * * * | * * * | * * * | * * * | * * * |
| *TOT CATIONS* | * 3.21 * | *TOTAL ANIONS* | * 3.15 * | | |

SPECIAL ANALYSES

| * PARAMETERS * | * VALUE * | * UNITS * |
|----------------------|-----------|-----------------|
| * pH * | 7.9 * | Units * |
| * Specific Conduct * | 314.0 * | Microhm-cm. * |
| * Fluoride * | 1.2 * | MG/L * |
| * Silica * | 60.0 * | MG/L * |
| * Total Diss. Sol. * | 236.0 * | MG/L * |
| * Tot. hardness * | 73.1 * | MG/L as CaCO3 * |
| * TDS by Add * | 232.6 * | MG/L * |
| * Alkalinity * | 105.0 * | MG/L as CaCO3 * |
| * * * | * * * | * * * |
| * LANG. INDEX * | -0.17 * | * * * |

SUBMITTED BY: Grace Livingston
GRACE LIVINGSTON

RECEIVED
SEP 15 1980

PUMP TEST Pine Valley

Static = 1004

2.15 = 1.000

STATIC GP ~~36.74~~ 36.74 ~~47.89~~ 47.89
 ZERO OFFSET +0.15 -0.73

9.2 = 1.000
 Page 1 of 5
 -3.82 BAROMETRIC PRESSURE
 40.11

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. CH03 |
|------------|-----------------------------|-------------|--------------------------|-------|-------|---------|-------|------|-----|-----------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | 3/1/80 | 1004 | | 85.05 | | 90.77 | | | | 3.82 |
| | | 1007 | | 85.05 | | 90.77 | | | | 3.82 |
| | | 1012 | | 85.05 | | 90.78 | | | | 3.82 |
| | | 1017 | | 85.05 | | 90.77 | | | | 3.82 |
| | | 1024 | | 85.06 | | 90.76 | | | | 3.82 |
| | | 1027 | | 85.06 | | 90.76 | | | | 3.82 |
| | | 1032 | | 85.06 | | 90.77 | | | | 3.82 |
| | | 1037 | | 85.07 | | 90.77 | | | | 3.82 |
| | | 1042 | | 85.07 | | 90.79 | | | | 3.82 |
| | | 1047 | | 85.08 | | 90.78 | | | | 3.82 |
| | | 1052 | | 85.08 | | 90.79 | | | | 3.82 |
| | | 1057 | | 85.09 | | 90.79 | | | | 3.82 |
| | | 1059.45 | | 85.09 | | 90.80 | | | | 3.82 |
| | | 1059.48 | | 85.09 | | 90.80 | | | | 3.82 |
| | | 1059.52 | | 85.10 | | 90.78 | | | | 3.82 |
| | Static PUMP ON | 1059.55 | / | 85.10 | 34.49 | 90.78 | | | | 3.82 |
| | | 1059.59 | / | 85.09 | 34.49 | 90.78 | 0.012 | | | 3.82 |
| | | 1100.02 | | 85.11 | 39.02 | 90.80 | 0.023 | | | 3.82 |
| | | 1100.05 | | 84.77 | 46.70 | 90.78 | 0.000 | | | 3.82 |
| | | 1100.08 | | 81.92 | 53.12 | 90.76 | 0.035 | | | 3.82 |
| | | 1100.12 | | 89.55 | 58.71 | 90.78 | 0.012 | | | 3.82 |
| | | 1100.16 | | 87.66 | 63.05 | 90.78 | 0.023 | | | 3.82 |
| | | 1100.19 | | 85.75 | 67.44 | 90.78 | 0.012 | | | 3.82 |
| | | 1100.22 | | 81.21 | 70.98 | 90.78 | 0.012 | | | 3.82 |
| | | 1100.26 | | 82.58 | 74.71 | 90.78 | 0.000 | | | 3.82 |
| | | 1100.29 | | 80.61 | 79.24 | 90.77 | 0.012 | | | 3.82 |
| | | 1100.33 | | 89.17 | 82.54 | 90.78 | 0.020 | | | 3.82 |
| | | 1100.36 | | 87.42 | 86.58 | 90.76 | 0.035 | | | 3.82 |
| | | 1100.39 | | 85.85 | 90.16 | 90.76 | 0.012 | | | 3.82 |
| | | 1100.43 | | 84.54 | 93.18 | 90.76 | 0.023 | | | 3.82 |

PI-IT-1 (?)

PINE VALLEY
PUMP TEST

SENS. = 1.0004

SENS. = 1.000

STATIC GP ~~86.74~~ ~~86.74~~ 47.89
ZERO OFFSET +0.15 -0.73

SENS. = 1.000
Page 05
-352 BAROMETRIC PRESSURE
+0.94

| RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | BP |
|-----------------------------|-------------|--------------------------|-------|--------|---------|--------|------|-----|-------|
| | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | CH03 |
| 8/130 | 1100 46 | | 43.14 | 96.40 | 90.76 | 0.023 | | | -3.53 |
| | 1100 50 | | 41.95 | 99.13 | 90.77 | 0.012 | | | -3.53 |
| | 1100 53 | | 40.77 | 101.85 | 90.77 | 0.012 | | | -3.53 |
| | 1100 56 | | 39.59 | 104.55 | 90.75 | -0.012 | | | -3.54 |
| | 1101 00 | 1/2 min | 38.50 | 107.06 | 90.77 | 0.012 | | | -3.53 |
| | 1101 03 | | 37.63 | 109.05 | 90.77 | 0.000 | | | -3.54 |
| | 1101 07 | | 36.62 | 111.37 | 90.76 | 0.012 | | | -3.54 |
| | 1101 10 | | 35.35 | 113.14 | 90.78 | -0.012 | | | -3.54 |
| | 1101 13 | | 35.32 | 114.37 | 90.77 | 0.012 | | | -3.53 |
| | 1101 17 | | 34.66 | 115.89 | 90.75 | 0.035 | | | -3.53 |
| | 1101 20 | | 34.24 | 116.61 | 90.75 | -0.012 | | | -3.54 |
| | 1101 24 | | 34.59 | 115.35 | 90.76 | 0.012 | | | -3.54 |
| | 1101 27 | | 35.28 | 114.46 | 90.76 | 0.023 | | | -3.53 |
| | 1101 30 | | 35.40 | 114.17 | 90.75 | 0.023 | | | -3.54 |
| | 1101 34 | | 35.52 | 113.90 | 90.78 | -0.012 | | | -3.54 |
| | 1101 37 | | 35.66 | 113.58 | 90.76 | 0.012 | | | -3.54 |
| | 1101 41 | | 35.81 | 113.23 | 90.77 | 0.000 | | | -3.54 |
| | 1101 44 | | 35.50 | 113.25 | 90.75 | 0.023 | | | -3.54 |
| | 1101 47 | | 35.81 | 113.24 | 90.75 | 0.035 | | | -3.53 |
| | 1101 51 | | 35.87 | 113.11 | 90.77 | 0.012 | | | -3.53 |
| | 1101 54 | | 35.65 | 113.60 | 90.76 | 0.012 | | | -3.54 |
| | 1101 58 | 1/2 min. | 35.67 | 113.55 | 90.75 | -0.012 | | | -3.54 |
| | 1103 | 3 | 35.74 | 113.40 | 90.78 | 0.000 | | | -3.53 |
| | 1104 | 4 | 35.62 | 113.69 | 90.77 | 0.023 | | | -3.53 |
| | 1105 | 5 | 35.75 | 113.38 | 90.78 | 0.000 | | | -3.53 |
| | 1106 | 6 | 35.64 | 113.63 | 90.81 | -0.035 | | | -3.53 |
| | 1107 | 7 | 42.40 | 102.70 | 90.79 | -0.012 | | | -3.53 |
| | 1108 | 8 | 44.28 | 93.54 | 90.81 | -0.046 | | | -3.54 |
| | 1109 | 9 | 46.66 | 83.32 | 90.81 | -0.023 | | | -3.53 |
| | 1110 | 10 | 47.99 | 85.24 | 90.81 | -0.046 | | | -3.54 |

Pumping @ 75 gpm

PUMP TEST
PINE VALLEY

SWS = 1004

SWS = 1000

SWS = 1000 Page 3 of 5

STAT: SP ~~86.74~~ 47.89

-3.32 BAROMETRIC PRESSURE

ZERO OFFSET +0.15 -0.13

+0.54

| CALCULATED BY BT | RECORDED BY / CALCULATED BY KIC | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | BP |
|---------------------|------------------------------------|-------------|-----------------------------|-------|-------|---------|--------|------|-----|-------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | CH03 |
| | 8/1/200 | 11:31 | 11 | 49.17 | 82.56 | 90.83 | -0.046 | | | -3.32 |
| | | 11:32 | 12 | 50.03 | 80.59 | 90.78 | 0.000 | | | -3.32 |
| | | 11:33 | 13 | 50.15 | 79.60 | 90.80 | -0.023 | | | -3.32 |
| | | 11:34 | 14 | 50.35 | 78.68 | 90.78 | 0.000 | | | -3.32 |
| | | 11:35 | 15 | 51.10 | 78.11 | 90.77 | 0.012 | | | -3.32 |
| | | 11:36 | 16 | 51.19 | 77.39 | 90.76 | 0.012 | | | -3.32 |
| | | 11:37 | 17 | 51.23 | 77.31 | 90.76 | 0.023 | | | -3.32 |
| | | 11:38 | 18 | 51.29 | 77.68 | 90.71 | 0.092 | | | -3.32 |
| | | 11:39 | 19 | 51.30 | 77.67 | 90.69 | 0.092 | | | -3.32 |
| | | 11:20 | 20 | 51.29 | 77.67 | 90.70 | 0.092 | | | -3.32 |
| | | 11:21 | 21 | 51.22 | 77.82 | 90.67 | 0.115 | | | -3.32 |
| | | 11:22 | 22 | 51.20 | 77.39 | 90.67 | 0.138 | | | -3.32 |
| | | 11:23 | 23 | 51.07 | 78.18 | 90.64 | 0.161 | | | -3.32 |
| | | 11:24 | 24 | 51.03 | 78.27 | 90.61 | 0.196 | | | -3.32 |
| | | 11:25 | 25 | 50.97 | 78.41 | 90.62 | 0.208 | | | -3.32 |
| | | 11:26 | 26 | 50.96 | 78.42 | 90.56 | 0.242 | | | -3.32 |
| | | 11:27 | 27 | 50.82 | 78.77 | 90.53 | 0.300 | | | -3.32 |
| | | 11:28 | 28 | 50.76 | 78.90 | 90.52 | 0.311 | | | -3.32 |
| | | 11:29 | 29 | 50.72 | 79.00 | 90.48 | 0.358 | | | -3.32 |
| | | 11:30 | 30 | 50.55 | 79.37 | 90.47 | 0.358 | | | -3.32 |
| | | 11:35 | 35 | 50.51 | 79.45 | 90.36 | 0.473 | | | -3.32 |
| | | 11:40 | 40 | 50.24 | 80.56 | 90.23 | 0.616 | | | -3.32 |
| | | 11:45 | 45 | 49.38 | 80.92 | 90.11 | 0.734 | | | -3.32 |
| | | 11:50 | 50 | 49.47 | 81.87 | 90.01 | 0.900 | | | -3.32 |
| | | 11:55 | 55 | 49.21 | 82.45 | 89.90 | 1.015 | | | -3.32 |
| | | 12:00 | 60 | 48.90 | 83.17 | 89.78 | 1.153 | | | -3.32 |
| | | 12:11 12 | 71 | 48.50 | 84.08 | 89.53 | 1.442 | | | -3.32 |
| | | 12:20 | 80 | 48.21 | 84.68 | 89.35 | 1.650 | | | -3.32 |
| | | 12:30 | 90 | 47.83 | 85.61 | 89.15 | 1.869 | | | -3.32 |
| | | 13:00 | 120 | 47.27 | 86.90 | 88.59 | 2.515 | | | -3.32 |

PUMP TEST PINE VALLEY

SFC = 1.004
 100
 STATIC GP 86.74
 ZERO OFFSET +0.15

1000
 52
 A-289
 -0.73

Page 4 of 5
 BAROMETRIC PRESSURE
 +0.14

| CHECKED BY | KIC NO | RECORDED BY | CALCULATED BY | TIME/DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. | Differential GPM |
|------------|--------|-------------|---------------|-----------|--------------------------|-------|-------|---------|-------|-------|-----|-------|------------------|
| | | | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | | |
| | | | | 8/1/80 | 3:30 8/1/80 | 150 | 47.04 | 87.41 | 88.12 | 3.034 | | -3.21 | |
| | | | | | 1:00 | 180 | 46.89 | 87.74 | 87.71 | 3.495 | | -3.27 | |
| | | | | | 1:30 | 210 | 46.75 | 88.05 | 87.34 | 3.310 | | -3.32 | |
| | | | | | 1:50 | 240 | 46.15 | 89.37 | 87.01 | 4.256 | | -3.41 | |
| | | | | | 1:50 | 300 | 45.84 | 91.24 | 86.45 | 4.891 | | -3.47 | |
| | | | | | 7:00 | 360 | 44.50 | 93.17 | 85.94 | 5.479 | | -3.52 | |
| | | | | | 13:00 | 420 | 44.37 | 93.45 | 85.52 | 5.941 | | -3.54 | |
| | | | | | 17:00 | 480 | 43.60 | 95.23 | 85.13 | 6.402 | | -3.59 | |
| | | | | | 20:00 | 540 | 43.11 | 96.39 | 84.82 | 6.771 | | -3.62 | |
| | | | | | 21:00 | 600 | 42.42 | 97.21 | 84.53 | 7.140 | | -3.69 | |
| | | | | | 22:00 | 660 | 42.23 | 98.20 | 84.25 | 7.475 | | -3.68 | |
| | | | | | 23:00 | 720 | 42.13 | 98.68 | 84.01 | 7.763 | | -3.67 | |
| | | | | 8/2/80 | 8/2/80 | 840 | 41.15 | 100.92 | 83.56 | 8.271 | | -3.68 | |
| | | | | | 03:00 | 900 | 40.70 | 101.96 | 83.17 | 8.732 | | -3.67 | |
| | | | | | 05:00 | 1080 | 42.80 | 97.12 | 82.90 | 9.032 | | -3.58 | |
| | | | | | 07:00 | 1200 | 42.78 | 97.18 | 82.83 | 9.124 | | -3.57 | |
| | | | | | 09:00 | 1420 | 43.29 | 96.02 | 82.71 | 9.374 | | -3.51 | |
| | | | | | 11:00 | 1540 | 43.69 | 95.07 | 82.59 | 9.339 | | -3.52 | |
| | | | | | 12:00 | 16:00 | 44.07 | 94.18 | 82.57 | 9.339 | | -3.50 | |
| | | | | | 13:00 | 16:60 | 44.68 | 101.95 | 82.54 | 9.40 | | -3.42 | |
| | | | | | 14:00 | 17:20 | 44.60 | 102.10 | 82.45 | 9.47 | | -3.45 | |
| | | | | | 15:00 | 17:30 | 44.75 | 101.72 | 82.34 | 9.56 | | -3.48 | |
| | | | | | 16:00 | 18:40 | 39.70 | 104.18 | 82.30 | 9.65 | | -3.44 | |
| | | | | | 17:00 | 19:00 | 39.82 | 103.89 | 82.20 | 9.76 | | -3.45 | |
| | | | | | 18:00 | 19:60 | 39.95 | 103.58 | 82.15 | 9.81 | | -3.46 | |
| | | | | | 19:00 | 20:20 | 39.08 | 105.60 | 82.13 | 9.84 | | -3.45 | |
| | | | | | 20:00 | 20:80 | 39.45 | 104.73 | 82.08 | 9.87 | | -3.47 | |
| | | | | | 21:00 | 21:40 | 38.93 | 105.91 | 82.06 | 9.90 | | -3.47 | |
| | | | | | 22:00 | 22:00 | 38.18 | 105.79 | 82.00 | 9.95 | | -3.48 | |
| | | | | | 23:00 | 22:60 | 41.67 | 99.62 | 82.01 | 9.94 | | -3.48 | |

All rounding by MB has been to the next digit up (i.e. 75.655 ~ 75.66) if digit to be rounded is a 5.

SENS = 1.004
 RANGE = 100
 STATIC G.P. 86.74
 ZERO OFFSET +0.15

1.000
 RANGE = 50
 47.89
 -0.75

1.000 Press 5.05
 RANGE = 50
 BAROMETRIC PRESSURE
 +0.44

| TIME | RECORDED BY / CALCULATED BY MB | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | BP |
|--------------|--------------------------------|-------------|--------------------------|-------|--------|---------|------|------|-----|-------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | CH03 |
| 8-3-82 00:00 | | 8-3-82 | 2320 | 41.89 | 99.10 | 82.06 | 9.87 | | | -3.99 |
| 01:00 | | | 2380 | 42.02 | 99.02 | 82.14 | 9.77 | | | -4.00 |
| 02:00 | | | 2440 | 42.19 | 98.37 | 82.16 | 9.72 | | | -4.02 |
| 05:00 | | | 2500 | 42.05 | 98.68 | 82.19 | 9.68 | | | -4.03 |
| 04:00 | | | 2560 | 42.02 | 98.75 | 82.20 | 9.67 | | | -4.03 |
| 05:20 | | | 2620 | 42.10 | 98.56 | 82.22 | 9.63 | | | -4.04 |
| 06:00 | | | 2680 | 42.19 | 98.35 | 82.25 | 9.60 | | | -4.04 |
| 07:00 | | | 2740 | 42.32 | 98.05 | 82.24 | 9.61 | | | -4.04 |
| 08:00 | | | 2800 | 42.00 | 98.79 | 82.24 | 9.61 | | | -4.04 |
| 09:00 | | | 2860 | 40.89 | 101.78 | 82.22 | 9.63 | | | -4.04 |
| 10:00 | | | 2920 | 40.89 | 101.24 | 82.17 | 9.63 | | | -4.05 |
| 11:00 | | | 2980 | 41.07 | 100.87 | 82.17 | 9.63 | | | -4.05 |
| 12:00 | | | 3040 | 41.35 | 100.24 | 82.15 | 9.69 | | | -4.07 |
| 13:00 | | | 3100 | 41.28 | 100.37 | 82.14 | 9.67 | | | -4.09 |
| 14:00 | | | 3220 | 41.57 | 99.68 | 82.15 | 9.62 | | | -4.12 |
| 15:00 | | | 3280 | 43.98 | 99.11 | 82.15 | 9.61 | | | -4.14 |
| 16:00 | | | 3340 | 40.53 | 102.03 | 82.14 | 9.60 | | | -4.15 |
| 17:00 | | | 3400 | 40.56 | 101.95 | 82.12 | 9.60 | | | -4.17 |
| 18:00 | | | 3460 | 40.37 | 102.37 | 82.11 | 9.61 | | | -4.17 |
| 19:00 | | | 3520 | 39.59 | 102.19 | 82.10 | 9.62 | | | -4.17 |
| 20:00 | | | 3580 | 37.37 | 104.61 | 82.08 | 9.64 | | | -4.19 |
| 21:00 | | | 3640 | 37.31 | 104.83 | 82.05 | 9.69 | | | -4.16 |
| 22:00 | | | 3700 | 37.37 | 104.71 | 82.10 | 9.65 | | | -4.14 |
| 23:00 | | 8-3-82 | 3760 | 35.57 | 108.51 | 82.12 | 9.65 | | | -4.13 |
| 00:00 | | 8-4-82 | 3820 | 35.98 | 105.65 | 82.09 | 9.71 | | | -4.10 |
| 01:00 | | | 3980 | 38.15 | 108.72 | 82.12 | 9.69 | | | -4.19 |
| 02:00 | | | 4040 | 38.57 | 105.72 | 82.15 | 9.67 | | | -4.20 |
| 03:00 | | | 4100 | 38.79 | 105.64 | 82.16 | 9.64 | | | -4.09 |
| 04:00 | | | 4160 | 38.24 | 108.46 | 82.17 | 9.65 | | | -4.07 |
| 05:00 | | | 4220 | 38.38 | 107.06 | 82.16 | 9.67 | | | -4.07 |
| 06:00 | | | 4280 | 38.17 | 107.53 | 82.15 | 9.67 | | | -4.03 |

PUMP TEST

SENS = 1.004
 RANGE = 100
 STATIC GP 36.74
 ZERO OFFSET 10.15

1.000
 RANGE = 50
 47.89
 -0.175

1.000
 RANGE = 50
 BAROMETRIC PRESSURE
 10.14

| Checked BY | PERFORMED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. |
|------------|------------------------------|-------------|--------------------------|-------|-------|---------|------|------|-----|------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | CH03 |
| | | 5:20 | 11:40 | 34.47 | 11.20 | 31.10 | 9.50 | | | 4.06 |
| | | 5:20 | 11:40 | 36.24 | 12.10 | 31.02 | 9.55 | | | 4.05 |
| | | 5:20 | 11:40 | 36.32 | 11.82 | 31.96 | 9.72 | | | 4.05 |
| | | 5:20 | 11:40 | 36.52 | 11.36 | 31.92 | 9.77 | | | 4.05 |
| | | 5:20 | 11:40 | 36.77 | 11.74 | 31.90 | 9.79 | | | 4.05 |
| | | 5:20 | 11:40 | 37.03 | 11.18 | 31.59 | 9.99 | | | 4.06 |
| | | 5:20 | 11:40 | 37.33 | 11.41 | 31.28 | 9.97 | | | 4.07 |
| | | 5:20 | 11:40 | 37.56 | 10.91 | 31.87 | 9.97 | | | 4.10 |
| | | 5:20 | 11:40 | 37.95 | 10.79 | 31.91 | 9.90 | | | 4.12 |
| | | 5:20 | 11:40 | 37.34 | 10.21 | 31.30 | 9.57 | | | 4.15 |
| | | 5:20 | 11:40 | 37.62 | 10.69 | 31.91 | 9.84 | | | 4.17 |
| | | 5:20 | 11:40 | 37.44 | 10.09 | 31.90 | 9.83 | | | 4.19 |
| | | 5:20 | 11:40 | 37.56 | 11.57 | 32.00 | 9.69 | | | 4.21 |
| | | 5:20 | 11:40 | 37.45 | 10.80 | 32.10 | 9.57 | | | 4.21 |
| | | 5:20 | 11:40 | 37.22 | 10.44 | 32.13 | 9.55 | | | 4.20 |
| | | 5:20 | 11:40 | 37.16 | 10.14 | 32.18 | 9.50 | | | 4.19 |
| | | 5:20 | 11:40 | 38.53 | 10.91 | 32.20 | 9.50 | | | 4.17 |
| | 8-5-80 | 5:20 | 11:40 | 38.70 | 10.21 | 32.22 | 9.48 | | | 4.17 |
| | | 5:20 | 11:40 | 38.74 | 10.13 | 32.24 | 9.47 | | | 4.16 |
| | | 5:20 | 11:40 | 38.78 | 10.05 | 32.25 | 9.47 | | | 4.15 |
| | | 5:20 | 11:40 | 38.74 | 10.55 | 32.25 | 9.46 | | | 4.13 |
| | | 5:20 | 11:40 | 38.55 | 10.59 | 32.27 | 9.46 | | | 4.14 |
| | | 5:20 | 11:40 | 38.32 | 10.12 | 32.30 | 9.42 | | | 4.14 |
| | | 5:20 | 11:40 | 38.22 | 10.30 | 32.28 | 9.46 | | | 4.13 |
| | | 5:20 | 11:40 | 38.21 | 10.37 | 32.30 | 9.45 | | | 4.12 |
| | | 5:20 | 11:40 | 38.44 | 10.58 | 32.28 | 9.47 | | | 4.11 |
| | | 5:20 | 11:40 | 38.50 | 10.74 | 32.25 | 9.52 | | | 4.11 |
| | | 5:20 | 11:40 | 38.88 | 10.87 | 32.24 | 9.53 | | | 4.11 |
| | | 5:20 | 11:40 | 39.00 | 10.59 | 32.24 | 9.53 | | | 4.11 |
| | | 5:20 | 11:40 | 39.00 | 10.45 | 32.23 | 9.54 | | | 4.11 |

PUMP TEST

SONS = 1.004
 RANGE 100
 STATIC GP 56.74
 ZERO OFFSET = 0.15

11000
 50
 47.89
 -0.73

1500 Pore L₀
 50
 PARAMETRIC PROFILE
 40.44

| CHANGED BY | 11/6 | | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B P |
|---------------|-------------|---------------|-----------------------------|-------------|-------|---------|-------|------|------|-------|
| | RECORDED BY | CALCULATED BY | | TIME / DATE | CH00 | (S) | CH01 | (S) | CH02 | (S) |
| | | | 1500 9-5-80 | 6140 | 59.30 | 104.89 | 82.26 | 9.49 | | -4.12 |
| | | | 1400 | 6200 | 59.51 | 104.57 | 82.28 | 9.44 | | -4.15 |
| | | | 1300 | 6260 | 59.68 | 104.29 | 82.30 | 9.41 | | -4.14 |
| | | | 1200 | 6320 | 59.64 | 104.13 | 82.53 | 9.44 | | -4.10 |
| | | | 1100 | 6370 | 59.61 | 104.17 | 82.36 | 9.37 | | -4.13 |
| | | | 1000 | 6420 | 59.36 | 104.72 | 82.34 | 9.37 | | -4.15 |
| | | | 900 | 6500 | 59.32 | 104.81 | 82.34 | 9.35 | | -4.15 |
| | | | 800 | 6500 | 59.28 | 105.35 | 82.37 | 9.30 | | -4.15 |
| | | | 700 | 6620 | 58.88 | 105.27 | 82.20 | 9.37 | | -4.16 |
| | | | 600 | 6630 | 58.74 | 105.24 | 82.41 | 9.30 | | -4.14 |
| | | | 500 | 6710 | 58.92 | 106.32 | 82.40 | 9.33 | | -4.12 |
| | | | 400 9-6-80 | 6800 | 58.42 | 106.92 | 82.42 | 9.32 | | -4.11 |
| | | | 300 | 6860 | 58.27 | 107.03 | 82.43 | 9.31 | | -4.11 |
| | | | 200 | 6920 | 58.21 | 107.41 | 82.43 | 9.32 | | -4.10 |
| | | | 100 | 6980 | 58.05 | 107.78 | 82.43 | 9.52 | | -4.10 |
| | | | 000 | 7040 | 58.03 | 107.84 | 82.43 | 9.53 | | -4.09 |
| | | | 0500 | 7100 | 58.24 | 107.34 | 82.43 | 9.32 | | -4.10 |
| | | | 0600 | 7160 | 58.17 | 107.51 | 82.43 | 9.32 | | -4.10 |
| | | | 0700 | 7220 | 58.15 | 107.59 | 82.41 | 9.38 | | -4.07 |
| | | | 0800 | 7280 | 58.28 | 107.29 | 82.42 | 9.37 | | -4.07 |
| | | | 0900 | 7340 | 58.57 | 108.95 | 82.39 | 9.41 | | -4.06 |
| | | | 1000 | 7400 | 58.05 | 108.46 | 82.37 | 9.42 | | -4.07 |
| | | | 1100 | 7460 | 58.15 | 108.20 | 82.37 | 9.39 | | -4.05 |
| | | | 1200 | 7520 | 58.48 | 109.54 | 82.42 | 9.34 | | -4.05 |
| | | | 1300 | 7580 | 58.65 | 109.08 | 82.48 | 9.37 | | -4.05 |
| | | | 1400 | 7640 | 58.74 | 103.99 | 82.46 | 9.33 | | -4.10 |
| | | | 1500 | 7700 | 58.03 | 103.30 | 82.48 | 9.30 | | -4.07 |
| | | | 1600 | 7760 | 58.13 | 103.03 | 82.50 | 9.26 | | -4.08 |
| | | | 1700 | 7820 | 58.68 | 104.13 | 82.51 | 9.24 | | -4.07 |
| | | | 1800 | 7880 | 58.74 | 103.91 | 82.53 | 9.20 | | -4.10 |

PUMP TEST

SENS 2 1.004
 FULLY 100
 STATIC GP 82.74
 ZERO OFFSET +0.15
 1.000
 50
 47.81
 -2.73

1.000
 100
 BAROMETRIC PRESSURE
 30.41

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. |
|------------|-----------------------------|-------------|--------------------------|-------|--------|---------|-----------|------|-----|-----------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | | 20:00 8/2 | 76:40 | 36.44 | 104.63 | 32.53 | 9.20 | | | 4.10 |
| | | 20:00 | 80:00 | 37.41 | 104.67 | 32.54 | 9.19 | | | 4.10 |
| | | 21:00 | 80:60 | 37.18 | 105.22 | 32.57 | 9.18 | | | 4.08 |
| | | 22:00 | 81:20 | 37.20 | 105.20 | 32.58 | 9.19 | | | 4.04 |
| | | 23:00 | 81:80 | 38.76 | 105.75 | 32.57 | 9.17-9.19 | | | 4.05 |
| | | 00:00 8/3 | 82:40 | 39.00 | 105.66 | 32.57 | 9.19 | | | 4.05 |
| | | 01:00 | 83:00 | 38.90 | 105.59 | 32.60 | 9.18 | | | 4.05 |
| | | 02:00 | 83:60 | 38.74 | 106.21 | 32.62 | 9.17 | | | 4.04 |
| | | 03:00 | 84:20 | 38.49 | 106.84 | 32.63 | 9.16 | | | 4.04 |
| | | 04:00 | 84:80 | 38.19 | 107.54 | 32.63 | 9.17 | | | 4.03 |
| | | 05:00 | 85:40 | 38.05 | 107.86 | 32.62 | 9.18 | | | 4.03 |
| | | 06:00 | 86:00 | 37.79 | 108.01 | 32.62 | 9.23 | | | 4.03 |
| | | 07:00 | 86:60 | 37.79 | 108.49 | 32.60 | 9.23 | | | 4.01 |
| | | 08:00 | 87:20 | 38.41 | 107.07 | 32.58 | 9.26 | | | 4.00 |
| | | 09:00 | 87:80 | 38.62 | 106.59 | 32.56 | 9.30 | | | 3.97 |
| | | 10:00 | 88:40 | 37.04 | 107.64 | 32.50 | 9.37 | | | 3.99 |
| | | 11:00 | 87:00 | 37.08 | 105.46 | 32.48 | 9.30 | | | 4.00 |
| | | 12:00 | 89:60 | 37.45 | 104.73 | 32.49 | 9.34 | | | 4.02-4.02 |
| | JU | 13:00 | 90:20 | 37.45 | 104.73 | 32.48 | 9.30 | | | 4.04 |
| | | 14:00 | 90:80 | 37.36 | 104.22 | 32.49 | 9.31 | | | 4.05 |
| | | 15:00 | 91:40 | 37.55 | 105.59 | 32.51 | 9.24 | | | 4.06 |
| | | 16:00 | 92:00 | 37.78 | 103.84 | 32.51 | 9.24 | | | 4.08 |
| | | 17:00 | 92:60 | 37.90 | 103.54 | 32.54 | 9.19 | | | 4.10 |
| | | 18:00 | 93:20 | 38.93 | 105.76 | 32.57 | 9.16 | | | 4.10 |
| | | 19:00 | 93:80 | 38.68 | 106.33 | 32.57 | 9.16 | | | 4.10 |
| | | 20:00 | 94:40 | 38.55 | 106.63 | 32.57 | 9.16 | | | 4.10 |
| | | 21:00 | 95:00 | 38.65 | 106.43 | 32.59 | 9.16 | | | 4.08 |
| | | 22:00 | 95:60 | 38.65 | 106.43 | 32.60 | 9.16 | | | 4.07 |
| | | 23:00 | 96:20 | 37.77 | 102.51 | 32.61 | 9.16 | | | 4.05 |
| | | 24:00 8/3 | 96:50 | 38.57 | 100.12 | 32.64 | 9.11 | | | 4.07 |

PUMP TEST

sensitivity = 1.004
 range = 100
 STATIC GP 56.74
 ZERO OFFSET +0.15

1.000
 50
 47.84
 -0.73

1.000
 50 Page 9 of 15
 BAROMETRIC PRESSURE
 T.D. 44

| TIME RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B.P. |
|----------------------------------|-------------|--------------------------|-------|--------|---------|-------|-------|-----|-------|
| | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | 01:00 | 00:00 | 35.35 | 107.14 | 82.66 | 13.73 | | | -4.06 |
| | 01:01 | 00:01 | 35.36 | 107.35 | 82.64 | 9.10 | | | -4.06 |
| | 01:02 | 00:02 | 35.02 | 107.9 | 82.66 | 9.10 | | | -4.06 |
| | 01:04 | 00:04 | 37.51 | 108.20 | 82.67 | 9.09 | | | -4.06 |
| | 01:07 | 00:07 | 37.75 | 108.45 | 82.66 | 9.10 | | | -4.06 |
| | 01:10 | 00:10 | 37.65 | 108.73 | 82.65 | 9.11 | | | -4.06 |
| | 01:13 | 00:13 | 37.75 | 108.54 | 82.63 | 9.16 | | | -4.06 |
| | 01:16 | 00:16 | 38.07 | 107.80 | 82.63 | 9.16 | | | -4.06 |
| | 01:19 | 00:19 | 35.33 | 107.21 | 82.59 | 9.20 | | | -4.04 |
| | 01:22 | 00:22 | 35.94 | 105.79 | 82.52 | 9.24 | | | -4.04 |
| | 01:25 | 00:25 | 37.15 | 105.29 | 82.51 | 9.25 | | | -4.07 |
| | 01:35:00 | 00:35:00 | 37.11 | 75.74 | 82.51 | 9.25 | | | -4.07 |
| | 01:35:30 | 00:35:30 | 39.23 | 10.97 | 82.51 | 9.26 | 5.69 | | -4.07 |
| | 01:36 | 00:36 | 37.52 | -20.33 | 82.50 | 9.25 | 22.71 | | -4.07 |
| | 01:36:31 | 00:36:31 | 37.19 | -28.68 | 82.49 | 9.27 | 28.30 | | -4.08 |
| | 01:37:01 | 00:37:01 | 34.26 | -21.35 | 82.44 | 9.27 | 25.42 | | -4.08 |
| | 01:37:30 | 00:37:30 | 31.57 | -15.17 | 82.51 | 9.25 | 22.64 | | -4.08 |
| | 01:38 | 00:38 | 27.56 | -10.59 | 82.44 | 9.29 | 20.63 | | -4.07 |
| | 01:39 | 00:39 | 26.50 | -4.17 | 82.44 | 9.31 | 17.51 | | -4.05 |
| | 01:40 | 00:40 | 24.29 | -1.59 | 82.50 | 9.30 | 15.31 | | -4.05 |
| | 01:41 | 00:41 | 22.03 | 6.78 | 82.52 | 9.27 | 13.03 | | -4.05 |
| | 01:42 | 00:42 | 20.10 | 11.21 | 82.52 | 9.26 | 11.07 | | -4.06 |
| | 01:43 | 00:43 | 18.63 | 14.59 | 82.50 | 9.29 | 9.56 | | -4.06 |
| | 01:44 | 00:44 | 17.55 | 17.08 | 82.50 | 9.30 | 8.46 | | -4.05 |
| | 01:45 | 00:45 | 16.77 | 18.86 | 82.44 | 9.30 | 7.66 | | -4.06 |
| | 01:46 | 00:46 | 16.22 | 20.12 | 82.50 | 9.29 | 7.09 | | -4.06 |
| | 01:47 | 00:47 | 15.83 | 21.02 | 82.50 | 9.29 | 6.67 | | -4.06 |
| | 01:48 | 00:48 | 15.55 | 21.66 | 82.49 | 9.30 | 6.38 | | -4.06 |
| | 01:49 | 00:49 | 15.36 | 22.10 | 82.50 | 9.29 | 6.17 | | -4.06 |
| | 01:50 | 00:50 | 15.22 | 22.43 | 82.49 | 9.31 | 6.03 | | -4.05 |

RECOVER

PUMP TEST

SENSITIVITY = 1.004
 RANGE = 100
 STATIC GP = 86.74
 ZERO OFFSET + 0.15

1.000
 50
 47.84
 - 0.73

1000
 50 Page 10 of 10
 BAROMETRIC PRESSURE
 + 0.44

RECORDED BY / CALCULATED BY

| TIME / DATE | TIME SINCE STARTING BENCH | TEST | | SHALLOW | | DEEP | | B.P. |
|--------------|---------------------------|-------|-------|---------|------|-------|-----|-------|
| | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| 10:51 B.B.B. | 16 | 75.15 | 25.58 | 82.49 | 9.30 | 5.95 | | -4.06 |
| 52 | 17 | 75.11 | 22.66 | 82.49 | 9.29 | 5.92 | | -4.07 |
| 53 | 18 | 75.10 | 22.69 | 82.50 | 9.27 | 5.92 | | -4.07 |
| 54 | 19 | 75.11 | 22.67 | 82.50 | 9.29 | 5.91 | | -4.06 |
| 55 | 20 | 75.13 | 22.63 | 82.51 | 9.27 | 5.94 | | -4.06 |
| 56 | 21 | 75.17 | 22.53 | 82.52 | 9.25 | 5.98 | | -4.07 |
| 57 | 22 | 75.22 | 22.42 | 82.53 | 9.25 | 6.00 | | -4.06 |
| 58 | 23 | 75.27 | 22.31 | 82.53 | 9.25 | 6.07 | | -4.06 |
| 59 | 24 | 75.33 | 22.16 | 82.55 | 9.25 | 6.15 | | -4.07 |
| 11:00 | 25 | 75.38 | 22.05 | 82.55 | 9.23 | 6.23 | | -4.06 |
| 01 | 26 | 75.45 | 21.92 | 82.58 | 9.19 | 6.26 | | -4.06 |
| 02 | 27 | 75.50 | 21.78 | 82.56 | 9.22 | 6.32 | | -4.06 |
| 03 | 28 | 75.56 | 21.64 | 82.59 | 9.18 | 6.37 | | -4.06 |
| 04 | 29 | 75.63 | 21.48 | 82.58 | 9.19 | 6.43 | | -4.06 |
| 05 | 30 | 75.68 | 21.31 | 82.61 | 9.16 | 6.51 | | -4.06 |
| each 5 min | 11:10 | 75.99 | 20.65 | 82.67 | 9.09 | 6.77 | | -4.06 |
| 11:15 | 40 | 76.37 | 20.02 | 82.73 | 9.07 | 7.07 | | -4.05 |
| 11:20 | 45 | 76.92 | 19.32 | 82.81 | 8.97 | 7.57 | | -4.05 |
| 11:25 | 50 | 77.38 | 18.57 | 82.84 | 8.91 | 7.99 | | -4.05 |
| 30 | 55 | 77.98 | 17.79 | 83.01 | 8.71 | 8.00 | | -4.04 |
| 35 | 60 | 77.18 | 17.10 | 83.22 | 8.43 | 8.48 | | -4.08 |
| 30 min | 11:50:10 | 77.69 | 16.72 | 83.22 | 8.43 | 8.48 | | -4.08 |
| every 30 min | 12:15 | 78.36 | 15.18 | 83.57 | 8.06 | 9.15 | | -4.08 |
| 12:45 | 1:20 | 78.78 | 13.71 | 83.94 | 7.60 | 9.72 | | -4.08 |
| 13:15 | 1:50 | 79.49 | 12.57 | 84.21 | 7.22 | 10.21 | | -4.09 |
| 13:45 | 1:40 | 79.97 | 11.60 | 84.56 | 6.86 | 10.61 | | -4.10 |
| 14:15 | 2:10 | 80.27 | 10.70 | 84.81 | 6.60 | 10.95 | | -4.11 |
| 14:45 | 2:50 | 80.58 | 10.02 | 85.05 | 6.26 | 11.26 | | -4.13 |
| 15:15 | 3:30 | 80.85 | 9.40 | 85.27 | 6.01 | 11.52 | | -4.13 |
| 15:45 | 4:10 | 81.08 | 8.86 | 85.47 | 5.77 | 11.75 | | -4.14 |
| 45 min | 16:15 | 81.28 | 8.38 | 85.69 | 5.55 | 11.97 | | -4.14 |

RECOVER

PUMP TEST

TOP OFFSET 10.15

-0.73

11.19

| CHECKED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TIME SINCE PUMPING BEGAN | TEST | | SHALLOW | | DEEP | | B P CH03 |
|------------|-----------------------------|--------------|--------------------------|-------|------|---------|------|-------|-----|----------|
| | | | | CH00 | (S) | CH01 | (S) | CH02 | (S) | |
| | EVERY HOUR | 12:00 8.8.00 | 3.95 | 81.56 | 7.74 | 85.97 | 5.17 | 12.24 | | -4.16 |
| | | 13:00 | 4.45 | 81.88 | 6.79 | 86.32 | 4.75 | 12.56 | | -4.17 |
| | | 14:00 | 5.05 | 82.14 | 6.59 | 86.61 | 4.42 | 12.83 | | -4.17 |
| | | 15:00 | 5.65 | 82.39 | 5.92 | 86.90 | 4.05 | 13.07 | | -4.17 |
| | | 16:00 | 6.25 | 82.60 | 5.55 | 87.17 | 3.52 | 13.29 | | -4.16 |
| | | 17:00 | 6.85 | 82.79 | 4.74 | 87.43 | 3.51 | 13.47 | | -4.14 |
| | | 18:00 | 7.45 | 82.96 | 4.56 | 87.66 | 3.25 | 13.64 | | -4.13 |
| | | 19:00 | 8.05 | 83.11 | 4.27 | 87.88 | 3.01 | 13.78 | | -4.12 |
| | | 20:00 8.9.00 | 8.65 | 83.25 | 3.75 | 88.07 | 2.54 | 13.92 | | -4.11 |
| | | 21:00 | 9.25 | 83.38 | 3.61 | 88.24 | 2.61 | 14.04 | | -4.11 |
| | | 22:00 | 10.85 | 83.50 | 3.34 | 88.42 | 2.40 | 14.15 | | -4.11 |
| | | 23:00 | 11.45 | 83.62 | 3.06 | 88.58 | 2.21 | 14.26 | | -4.11 |
| | | 24:00 | 12.05 | 83.72 | 2.86 | 88.75 | 2.04 | 14.35 | | -4.10 |
| | | 25:00 | 12.65 | 83.81 | 2.65 | 88.88 | 1.89 | 14.44 | | -4.09 |
| | | 26:00 | 13.25 | 83.89 | 2.49 | 89.00 | 1.78 | 14.52 | | -4.07 |
| | | 27:00 | 13.85 | 83.96 | 2.40 | 89.12 | 1.71 | 14.57 | | -4.07 |
| | | 28:00 | 14.45 | 84.01 | 2.24 | 89.20 | 1.57 | 14.65 | | -4.05 |
| | | 29:00 | 15.05 | 84.06 | 2.10 | 89.27 | 1.50 | 14.70 | | -4.07 |
| | | 30:00 | 15.65 | 84.08 | 2.05 | 89.29 | 1.44 | 14.75 | | -4.07 |
| | | 31:00 | 16.25 | 84.11 | 1.96 | 89.35 | 1.37 | 14.79 | | -4.09 |
| | | 32:00 | 16.85 | 84.16 | 1.83 | 89.41 | 1.27 | 14.83 | | -4.10 |
| | | 33:00 | 17.45 | 84.20 | 1.74 | 89.48 | 1.19 | 14.87 | | -4.10 |
| | | 34:00 | 18.05 | 84.24 | 1.61 | 89.55 | 1.07 | 14.92 | | -4.10 |
| | | 35:00 | 18.65 | 84.28 | 1.36 | 89.60 | 1.00 | 14.95 | | -4.14 |
| | | 36:00 | 19.25 | 84.32 | 1.41 | 89.67 | 0.95 | 14.99 | | -4.15 |
| | | 37:00 | 19.85 | 84.35 | 1.33 | 89.74 | 0.73 | 15.02 | | -4.15 |
| | | 38:00 | 20.45 | 84.39 | 1.22 | 89.80 | 0.66 | 15.05 | | -4.17 |
| | | 39:00 | 21.05 | 84.42 | 1.16 | 89.86 | 0.67 | 15.09 | | -4.17 |
| | | 40:00 | 21.65 | 84.46 | 1.09 | 89.93 | 0.61 | 15.12 | | -4.15 |
| | | 41:00 | 22.25 | 84.50 | 1.03 | 90.01 | 0.54 | 15.16 | | -4.13 |

RECOVER

PUMP TEST

| RECORDED BY | RECORDED BY / CALCULATED BY | TIME / DATE | TEST | | SAMPLING | | DEEP | | CH03 |
|-------------|-----------------------------|--------------|----------|----------------|----------|----------------|----------|-------|-------|
| | | | CH00 (S) | (S) | CH01 (S) | (S) | CH02 (S) | (S) | |
| | X ↓ | 23:00 8-9-85 | 27.85 | 84.54 | 0.16 | 90.09 | 0.16 | 15.19 | -4.10 |
| | | 1:00 8-10-85 | 27.25 | 84.61 | 0.12 | 90.21 | 0.17 | 15.25 | -4.08 |
| | X ↓ | 3:00 | 27.25 | 84.64 | 0.14 | 90.33 | 0.17 | 15.31 | -4.07 |
| | | 5:00 | 27.45 | 84.76 | 0.15 | 90.44 | 0.19 | 15.35 | -4.06 |
| | X ↓ | 7:00 | 27.55 | 84.79 | 0.14 | 90.53 | 0.18 | 15.40 | -4.07 |
| | | 9:00 | 28.05 | 84.82 | 0.14 | 90.57 | 0.16 | 15.43 | -4.07 |
| | X ↓ | 11:00 | 28.05 | 84.82 | 0.13 | 90.57 | 0.15 | 15.49 | -4.00 |
| | | 13:00 | 28.25 | 84.83 | 0.14 | 90.50 | 0.12 | 15.44 | -4.13 |
| | X ↓ | 15:00 | 28.05 | 84.86 | 0.15 | 90.60 | 0.13 | 15.47 | -4.13 |
| | | 17:00 | 28.15 | 84.88 | 0.17 | 90.66 | 0.18 | 15.50 | -4.11 |
| | X ↓ | 22:00 | 28.65 | 84.94 | 0.18 | 90.75 | 0.24 | 15.55 | -4.07 |
| | | 1:00 8-11-85 | 28.45 | 84.93 | 0.17 | 90.83 | 0.35 | 15.58 | -4.05 |
| | X ↓ | 4:00 | 28.25 | 85.05 | 0.12 | 90.85 | 0.42 | 15.61 | -4.02 |
| | | 7:00 | 28.05 | 85.08 | 0.15 | 90.83 | 0.47 | 15.64 | -3.99 |
| | O ↓ | 10:00 | 28.55 | 85.08 | 0.15 | 90.82 | 0.46 | 15.65 | -3.98 |
| | | 14:00 | 28.25 | 85.04 | 0.17 | 90.91 | 0.45 | 15.63 | -4.03 |
| | X ↓ | 18:00 | 28.65 | 85.04 | 0.26 | 90.91 | 0.53 | 15.64 | -4.16 |
| | | 22:00 | 28.05 | 85.10 | 0.37 | 91.05 | 0.67 | 15.67 | -4.14 |
| | X ↓ | 2:00 8-12-85 | 28.45 | 85.14 | 0.43 | 91.14 | 0.74 | 15.70 | -4.11 |
| | | 6:00 | 28.85 | 85.20 | 0.57 | 91.21 | 0.82 | 15.73 | -4.11 |
| | X ↓ | 10:00 | 28.55 | 85.20 (735.25) | 0.56 | 91.23 (435.25) | 0.83 | 15.80 | -4.10 |
| | | 14:00 | 28.65 | 85.14 | 0.44 | 91.11 (435.25) | 0.76 | 15.78 | -4.12 |
| | X ↓ | 18:00 | 28.55 | 85.16 | 0.57 | 91.16 | 0.85 | 15.83 | -4.15 |
| | | 22:00 | 28.45 | 85.21 | 0.65 | 91.23 | 0.90 | 15.87 | -4.16 |
| | X ↓ | 2:00 8-13-85 | 28.85 | 85.23 | 0.67 | 91.33 | 0.95 | 15.91 | -4.15 |
| | | 6:00 | 28.25 | 85.29 | 0.90 | 91.37 | 1.03 | 16.00 | -4.13 |
| | X ↓ | 10:00 | 28.65 | 85.27 | 0.73 | 91.35 | 0.98 | 16.00 | -4.11 |
| | | 14:00 | 28.05 | 85.23 | 0.71 | 91.27 | 0.96 | 15.98 | -4.17 |
| | X ↓ | 18:00 | 28.15 | 85.25 | 0.77 | 91.30 | 1.01 | 15.98 | -4.17 |
| | | 22:00 | 28.85 | 85.28 | 0.83 | 91.36 | 1.07 | 16.01 | -4.13 |

* = Measurements in feet. Unable to get
 Test well depth, the water table to failure to get
 probe down hole.

