

WELL SUMMARY

page 1 of 2Location ID: ST-5-481 Field Representative(s): D. Menzie, M. CanavanDate Started: 4/22/92 Date Completed: 05/06/92Northing: 230925.44 Easting: 398587.74Brass Cap: 4459.24 Outer Casing: 4460.44 Inner Casing: 4460.99Drilling Method: Mud/Air Foam Rotary Drilling Contractor: Larjon Drilling Co.Driller: J. GowerTotal Depth Borehole: 514' Total Depth Well Casing: 496.98'Total Depth Surface Casing: 85'Diameter Well Casing: 4" Diameter Surface Casing: 10"Length of Bottom Blank: 6.20'Type of Screen: extra strength 0.02 slotScreen Interval: 480.75' to 490.78'Water First Detected: 439'-464' Water Level Open Borehole: 389.65' G.S.
04/30/92Water Level Cased Borehole: 391.52' T.O.C. 05/05/92Quik-Foam Use: 3 gallonsEstimated Water Use: 5,500 gallonsWell Casing:

4in x 3ft SCD 40 PVC:

4in x 5ft SCD 40 PVC:

4in x 10ft SCD 40 PVC:

4in x 20ft SCD 40 PVC:

Total SCD 40 PVC pipe:

custom SS centralizers: yes

4"x2' SS locking riser: 1.89'

4" SS locking cap: yes

4" SS female cap: 0.28'

Assorted adaptors: 1.67'

4in x 3ft SCD 5 SS pipe:

4in x 5ft SCD 5 SS pipe:

4in x 10ft SCD 5 SS pipe:

4in x 20ft SCD 5 SS pipe: 400.03'

Total SCD 5 SS pipe: 400.03'

4in x 5ft SCD 10 SS pipe: 5.00'

4in x 10ft SCD 10 SS pipe:

4in x 20ft SCD 10 SS pipe: 80.05'

Total SCD 10 SS pipe: 85.05'

Well Completion:

100# bags 16/40 sand: 25 bags
100# bags 8/20 sand: 30 bags
94# bags cement: 145 bags
50# bentonite powder: 15 bags
Benseal: 1 bags

Surface Casing:

94# bags cement: 60 bags
50# bags bentonite powder: 6 bags

Pertinent Field Notes:

04/21/92 Steam clean and mobilize mud rotary equipment. - Menzie
04/22/92 Finish setting up to drill. Drill mud rotary with 12¼" mill tooth bit from 0'-85'.
- Menzie
04/23/92 Ream 12¼" pilot hole to 16" from 0'-85'. - Menzie
04/24/92 Set 85' of 10" surface casing and grout. - Menzie
04/28/92 Mobilize BE rig and drill air-foam rotary 85'-240'. - Canavan
04/29/92 Drill air-foam rotary from 240' to 514', possible formation water produced at 439'.
- Menzie
04/30/92 Run full suite of geophysical logs. Steam clean mobilize completion materials and
equipment. Pump bottom plug. - Menzie
05/01/92 Run 498.95' of 4" SS casing with 10' extra strength screen and 2' riser. Screen
interval is 480.75'-490.78'. Install gravel pack and pump upper plug. - Menzie
05/04/92 Pour filler sand to ten feet above water level. Annulus water level is 390.14' G.S.
Pour 1st load of grout. - Menzie
05/05/92 Pour 2nd load of grout. Measure pre-development water level at 391.52' T.O.C.
Surge and bail for initial development. Install 1½ HP submersible pump and pump
well for final development. - Menzie
05/06/92 Well developed after discharging total of 1,070 gallons water. Pull pump and
measure post-development water level at 391.62' T.O.C. - Menzie