

Location ID: 400-C-143 Field Representative(s): Cravens/Hobbs/Kaszuba/SelkeNorthing: 230429.32 Easting: 415368.65Date Started: 12 February 1987 Date Completed: 20 February 1987Drilling Method: Mud/Air-foam rotary Drilling Contractor: LarionDriller: J. GowerTotal Depth Borehole: 163' Total Depth Well Casing: 158.7'Total Depth Surface Casing: 33'Diameter Well Casing: 4" Diameter Surface Casing: 8"Length of Bottom Blank: 5.3'Type of Screen: standard 0.02 slotScreen Interval: 143' to 153.4'Water First Detected: \_\_\_\_\_ Water Level Open Borehole: 123' (G.L.)Water Level Cased Borehole: 130'**Quik-Foam Use:**

Estimated Water Use: 900 gallons used in drilling  
 29% lost to formation  
 261 gallons introduced to formation

**Well Casing:**

4in x 3ft SCD 40 PVC: 1	stock SS centralizers: 3
4in x 5ft SCD 40 PVC:	custom SS centralizers:
4in x 10ft SCD 40 PVC: 10	4"x2' SS locking riser: 1
4in x 20ft SCD 40 PVC:	4" SS locking cap: 1
Total SCD 40 PVC pipe: 103 ft	4" SS female cap: 1
4in x 3ft SCD 5 SS pipe:	
4in x 5ft SCD 5 SS pipe: 1	4in x 5ft SCD 10 SS pipe:
4in x 10ft SCD 5 SS pipe: 4	4in x 10ft SCD 10 SS pipe:
4in x 20ft SCD 5 SS pipe:	4in x 20ft SCD 10 SS pipe:
Total SCD 5 SS pipe: 45 ft	Total SCD 10 SS pipe: 0 ft

Well Completion:

100# bags 16/40 sand: 7 bags  
100# bags 10/20 sand: 2.5 bags  
100# bags 8/14 sand: 2.5 bags  
100# bags 8/20 sand: bags  
  
94# bags cement: bags  
  
5 gal. buckets bentonite: 1.5 buckets  
  
50# bentonite powder: 1 bags

Surface Casing:

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

Pertinent Field Notes:

Previous well name: 400-C-middle

Mud rotary, 12" borehole 0'-35'. Air-foam rotary, 7 7/8" (?) borehole 33'-TD. Sample deck compressor with freon, 15 February 1987. Unsuccessful attempt to core, 15 February 1987. Geophysical logging by Western Wireline Corp., 18 February 1987. Partial well completion (casing, filter pack) 18 February 1987. Incorrect well design; pull casing, blow hole and recomplete well 19 and 20 February 1987. Develop 750 gallons, 5 March 1987.

09/29/88 Redevelop well. Bail 60 gallons of silty and reddish colored water. Set air-lift pump and pump 20 gallons. Pull pump.

12/03/88 Bail approximately 100 gallons of water. Set air-lift pump but do not pump (need generator).

12/12/88 Pull air-lift pump to take water level measurements during aquifer testing on NASA-2.

12/21/88 Surge and bail and set air-lift pump.

12/22/88 Redevelop by pumping.

12/23/88 Pull airlift pump. Well redeveloped. See development sheet for all details.