

Location ID: 200-B-240 Field Representative(s): Contaldo, Werden, Cooper Kirby

Northing: 227788.02 Easting: 416536.69

Date Started: 26 January 1987 Date Completed: 11 January 1989

Drilling Method: Air-foam rotary Drilling Contractor: Larjon

Driller: Jim Gower, Tommy Crawford

Total Depth Borehole: 260' Total Depth Well Casing: 255.4'

Total Depth Surface Casing: 20'

Diameter Well Casing: 4" Diameter Surface Casing: 10"

Length of Bottom Blank: 5.3'

Type of Screen: regular strength 0.02 slot

Screen Interval: 239.8' to 250.1'

Water First Detected: 183' Water Level Open Borehole: 181'

Water Level Cased Borehole: 177.6' (inner casing)

Quik-Foam Use: 3 gallons

Estimated Water Use: 2590 gallons  
Water leaked out of mud pit, therefore, no measurement was taken.

#### Well Casing:

4in x 3ft SCD 40 PVC:		stock SS centralizers:	
4in x 5ft SCD 40 PVC:		custom SS centralizers:	1
4in x 10ft SCD 40 PVC:	15	4"x2' SS locking riser:	1
4in x 20ft SCD 40 PVC:		4" SS locking cap:	1
Total SCD 40 PVC pipe:	150 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:	1	4in x 10ft SCD 10 SS pipe:	
4in x 20ft SCD 5 SS pipe:	4	4in x 20ft SCD 10 SS pipe:	
Total SCD 5 SS pipe:	95 ft	Total SCD 10 SS pipe:	ft

Well Completion:

100# bags 16/40 sand: 4 bags  
100# bags 10/20 sand: 0 bags  
100# bags 8/14 sand: 0 bags  
100# bags 8/20 sand: 13 bags  
  
94# bags cement: 55 bags  
  
5 gal. buckets bentonite: 1 buckets  
  
50# bentonite powder: 10 1/2 bags  
50# Benseal 1/2 bag  
E-Z Mud 1 cup

Surface Casing:

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

Pertinent Field Notes:

Geophysical logging by Western Wireline Corp., 18 February 1987. Dry borehole, not completed as a well. No other information available.

12/13/88 Steam-clean equipment and mobilize to the site.  
12/14/88 Re-enter borehole with air-foam rotary, 7 7/8 inch tri-cone bit, and drill from 150' to 165'. No sign of water.  
12/15/88 Drill 165'-200'. Water detected at 183' by driller but a very weak producing zone.  
12/16/88 Drill 200' to 260'. Good producing zone encountered at 248' (fractured limestone).  
12/18/88 Don Pearson of Southwest Surveys logs borehole (standard suite plus drift). Larjon prepared for completion of well.  
12/19/88 Install 257.9' of 4" PVC and stainless steel well casing and filter pack. Pump Benseal/EZ-Mud plug after bridging bentonite pellets in borehole.  
12/20/88 Install filler sand above plug. Wash sand down tremie pipe to ensure sand goes below bridge formed by bentonite pellets. Install grout.

- 12/21/88 Develop well with 1/2 horsepower submersible pump. See well development sheet for details.
- 01/06/88 Finish grouting well to surface.
- 01/11/88 Pour concrete pad and set brass cap. Well completed.

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