

WATER USAGE LOG FOR BOREHOLE INSTALLATION

WELL NAME: ST-7

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GALLONS DELIVERED PRE-SPUD (FOR MUD MIXING): 7 loads (3,200 gal. Ea.) = 22,400 gallons

| DATE | TIME | GALLONS DELIVERED | TOTAL GALLONS | COMMENTS |
|---------|------|-------------------|---------------|--|
| 1/26/99 | | 2 loads = 6,400 | 6,400 | Spud. |
| 1/27/99 | | 2 loads = 6,400 | 12,800 | Only totals available from Stewart Bros. drill reports. |
| 1/28/99 | | 4 = 12,800 | 25,600 | Cemented surface casing. |
| 3/6/99 | | 7 = 22,400 | 48,000 | 2 loads drilling out cement plug; 2 loads mixing mud. |
| 3/7/99 | | 2 = 6,400 | 54,400 | Drilling. |
| 3/8/99 | | 1 = 3,200 | 57,600 | 2 loads total; 1 load for wetting road & BLM-39. |
| 3/9/99 | | 2 = 6,400 | 64,000 | Drilling. |
| 3/10/99 | | 1 = 3,200 | 67,200 | " |
| 3/16/99 | | 1 = 3,200 | 70,400 | Total depth reached (1020'). |
| 3/19/99 | | 1 = 3,200 | 73,600 | Circulated borehole, installed stainless steel casing. |
| 3/20/99 | | 4 = 12,800 | 86,400 | Installing annular materials. |
| 3/21/99 | | 3 = 9,600 | 96,000 | " |
| 3/22/99 | | 2 = 6,400 | 102,400 | " |
| 3/24/99 | | 2 = 6,400 | 108,800 | Finished installing annular materials (and grouted). |
| 5/26/99 | | 1 = 3,200 | 112,000 | Jetting top screen. |
| 5/27/99 | | 1 = 3,200 | 115,200 | " |
| 5/27/99 | | 2 = 6,400 | 121,600 | Jetting screen #2. |
| 5/27/99 | | 1 = 3,200 | 124,800 | Jetting screen #3. |
| 6/1/99 | | 1 = 3,200 | 128,000 | " |
| 6/1/99 | | 2 = 6,400 | 134,400 | Jetting screen #4. |
| | | | 156,800 | Total amount of water introduced to borehole/well through mud mixing, drilling, and development. |
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