

Superior 19 State #1  
1980' FNL & 660' FEL  
Section 19, T-14S, R-36E  
Lea County, New Mexico  
Lease No. LG-3334

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Page Two of Three Pages

- 8/14/80 Depth-10,895' circulating to set cement plug. 15 3/4 hrs-trips; 1/4 hr-service rig; 1/2 hr-circulating; 1 hr-cutting drlg line; 6 1/2 hrs-washing and reaming from 10,795' to 10,910'.
- 8/15/80 Depth-10,895' WOC. 2 1/2 hrs-circulating @ 10,895'; 1 1/4 hrs-cementing; 2000 gal 5% MFA-acid, followed w/12 BBL water, 350 sx Class "H" w/.5% of 1% CFR-2, 8# sand and 1# mud kill/sx. Job complete @ 8:45 a.m. 8/14/80; 20 1/4 hrs-WOC.
- 8/16/80 Depth-10,787' circulating prep to set cement plug #5. 1/2 hr-drlg cement; 9 hrs-trips; 5 hrs-circulating; 9 1/2 hrs-WOC.
- 8/17/80 Depth-10,787' WOC. Cemented w/100 sx 75-25 Poz "H", followed w/350 sx Class "H" w/8# sand, 1/2% CFR-2/sx. 14 hrs WOC.
- 8/18/80 Depth-10,376' circulating and conditioning mud. Drld 435' of cement. 7 hrs-drlg cement; 3 hrs-trips; 6 hrs-circulating and conditioning mud; 8 hrs WOC. Comment: Cement appears o.k. to kick-off; hole now giving problems; will condition mud.
- 8/19/80 Depth-10,461' on TIH w/Dyna Drill. 16 1/4 hrs-trips; 5 1/4 hrs-circulating; 2 1/2 hrs-running wireline.
- 8/20/80 Drilling @ 10,480'. Formation lime and sand; 19' of progress. Directional Survey: 2° NE @ 10,480'. 20 hrs-drlg; 2 hrs-trip; 2 hrs-washing 37' to bottom and running wireline.
- 8/21/80 Drlg @ 10,503'. Formation-lime and shale; 23' of progress. Directional Survey: 3 1/2° from vertical ; N 65° E @ 10,503'. 24 hrs-drlg.
- 8/22/80 Depth-10,503' on TOH to PU conventional equipment. Formation lime and shale. Directional Survey: 4 3/4° from vertical; N 63° E @ 10,503'.
- 8/23/80 Depth-10,630'. Formation-lime and shale; 128' of progress. Directional Survey: 5° from vertical; N 63° E @ 10,540'.
- 8/24/80 Depth-10,680'; Formation-lime and shale; 50' of progress. Directional Survey: 5 1/4° from vertical; N 62° E @ 10,629'.
- 8/25/80 Drlg @ 10,727'. Formation- lime and shale; 47' of progress. Directional Survey: 5° from vertical ; N 60° E @ 10,680'.
- 8/26/80 Depth-10,785'. Formation-lime and shale; 58' of progress. Directional Survey: 4 1/4° from vertical ; N 62° E @ 10,732'.
- 8/27/80 Drlg @ 10,832' w/Dyna Drill. Formation lime and shale; 47' of progress. Directional Survey: 4 1/2° from vertical; N 64° E @ 10,783'.
- 8/28/80 Depth-10,844' on TOH. Formation - shale; 12' of progress. Directional Survey: 4° from vertical; N 60° E @ 10,812'.
- 8/29/80 Depth-10,869'. Formation - shale; drlg w/Dyna Drill; 25' of progress.