

EXHIBIT TO FORM 3160-5

THORNTON OPERATING CORPORATION
No. 1-A McClellan Federal
NM-62195
API # 30-005-63076

12/10/97 thru 12/15/97

- Prepare location and move in rig.

12/16/97 thru 12/18/97

- Scrape casing. Set whipstock.

12/18/97 thru 12/24/97

- Directionally drill Sidetrack #1 to 10003 MD.

12/25/97

- Shut down for Christmas

12/26/97

- Re-enter Sidetrack #1 to drill ahead. Stuck pipe at 9999 MD. Wait on fisherman.

12/27/97

- Fish for stuck pipe.

12/28/97

- Fish for stuck pipe. Recover fish. Prepare to run GR log.

12/29/97

- Run GR log on Sidetrack #1. Trip in hole to circulate. WOO.

12/30/97

- POH. TIH with bottomhole assembly. Circulate. Attempt to run GR log w/gyro. Tool would not go all the way through window. Limited new data.

12/31/97

- Kick off in Sidetrack #1 to drill Sidetrack #2 to bypass hole damage.

1/1/97 thru 1/4/97

- Directionally drill Sidetrack #2. MD 10040'.

1/4/98

- Run GR log. Drilling ahead.

1/5/98

- Directionally drill to 10060 MD. Calculated vertical section is 349.67 feet, Azimuth 315.61 degrees from true north. Bottom hole location is 68.6 FSL, 263.1 FWL of Section 23, T 13 S, R 28 E. Set production packer with 2-7/8" tubing approximately