

Airborne Lidar Pipeline Inspection System (ALPIS) Upgrade

Aug 2004 Monthly Report

Contract F33615-98-C-1203

**Submitted to the Air Force Research Laboratory
Wright-Patterson Air Force Base**

LaSen, Inc.
Sept 2004

1. Summary of Program Accomplishments for the Report Period

Initial field testing and verification of the ALPIS II system has been completed. A series of test flights were performed in the Albuquerque, NM area. One flight was along a pipeline route passing in close proximity to the Double Eagle airport. The GPS coordinates of the pipeline were provided by OPS. The other two test flights demonstrated detection of an instrumented methane leak of a known rate. Several problems caused by interference between various system components were detected during these tests and subsequently rectified. As of the end of August, the system was fully operational and ready for demonstration at the DOE's Rocky Mountain Oilfield Test Center (RMOTC). This demonstration will take place during the week of Sept 13th.

All technical tasks of the ALPIS program Phase III have been successfully completed. Further work will be pending subject the availability of Phase IV funds.

2. Financials

Contract Amount \$599,974.00
Funded \$599,974.00

Submitted Invoices

Date	Invoice Number	Amount	Balance
10/1/03	2310-47	\$46,916.97	\$553,057.03
12/22/03	2312-49	\$28,011.32	\$525,045.71
01/20/04	2401-50	\$65,812.52	\$459,233.19
02/23/04	2402-51	\$74,882.98	\$384,350.21
04/02/04	2404-52	\$66,424.28	\$317,925.93
04/23/04	2404-53	\$53,394.35	\$264,531.58
05/26/04	2405-54	\$81,932.01	\$182,599.57
06/28/04	2406-55	\$99,394.61	\$83,204.96
07/30/04	2407-56	\$29,398.50	\$53,806.46
09/01/04	2408-57	\$16,104.26	\$37,702.20