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file JWA/015/002
#10

COAL SYSTEMS, Inc.

CONSULTANTS/ENGINEERS

L. G. MANWARING, P.E.
President

P.O. BOX 17117
SALT LAKE CITY, UTAH 84117

Area Code 801
261-4500

July 14, 1986

RECEIVED
JUL 16 1986
DIVISION OF
OIL, GAS & MINING

Mr. John J. Whitehead
Permit Supervisor
DIVISION OF OIL, GAS, & MINING
3 Triad Center, Suite 350
Salt Lake City, Ut. 84180-1203

Re: J. B. King Mine
Subsidence Survey
(UMC 784.20)

Dear Mr. Whitehead:

In conformance with the subsidence regulations noted above, subsidence control points were resurveyed by Coal Systems, Inc. on June 26, 1986. The resulting data from this survey is enclosed for your review; also noted are prior year surveys. It appears that the northern portion of the subsided area remains unstable, having dropped approximately one foot in the past year.

Sincerely,

COAL SYSTEMS, Inc.

L. G. Manwaring
L. G. Manwaring, P.E.
President

LGM/bm

Attachment: Survey tabulations

cc: M. O'Donnell, WESTERN STATES MINERALS CORPORATION



J. B. KING MINE
 SUBSIDENCE SURVEY DATA
 Coal Systems, Inc.

Station	Original Elevation (From Topo)	June 1983 Survey (Original stake placement)	May 1984 Survey	April 1985 Survey	June 1986 Survey
A-A	6517.8	6517.77	6517.8	6517.8	6517.8
S-1	6514.0	6514.00	6513.8	-----	6513.9
S-2	6505.9	6504.84	6504.6	6504.8	6504.9
S-3	6501.5	6496.81	6496.9	6496.9	6496.8
S-4	6500.0	6489.63	6489.5	6489.8	6489.7
S-5	6491.0	6484.91	6484.8	6485.1	6484.3
S-6	6496.0	6488.82	6488.6	6489.1	6488.3
S-7	6507.0	6497.00	6496.7	6497.3	6496.9
S-8	6501.2	6501.14	6500.8	6501.6	6501.3
CAP	6505.5	6505.45	6505.5	6505.5	6505.4

Ref. Dwgs: 4050-5-5R; 4050-5-36