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007/001 #6

CONSULTANTS/ENGINEERS
**HANSEN
ALLEN
& LUCE INC**

6771 SOUTH 900 EAST
P.O. BOX 21146
SALT LAKE CITY, UTAH 84121-0146
(801) 566-5599

December 24, 1991

Mr. Rick Summers
Utah Division of Oil, Gas & Mining
3 Triad Center - Suite 350
Salt Lake City, Utah 84001

RECEIVED

JAN 03 1992

DIVISION OF
OIL GAS & MINING

RE: Annual Subsidence Update.

Dear Rick:

As requested by Mr. Steve Tanner we are submitting to you a copy of the Annual Subsidence Update for Valley Camp Coal Company. The attached letter addressed to Mr. Tanner presents a brief summary of changed conditions over those found during the 1990 survey.

Should you have any questions, please call.

Sincerely,



David E. Hansen, Ph.D., P.E.
Project Manager

cc: Steve Tanner - Valley Camp of Utah, Inc.

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DIVISION OF
 OIL GAS & MINING

December 24, 1991

Mr. Steve Tanner
 Valley Camp of Utah, Inc.
 Scofield Route
 Helper, Utah 84526

Re: Subsidence Map Correction Update.

Dear Steve:

We have completed the angle of draw modifications as required on the enclosed map and now submit a revised copy of the map to you for your files. Three duplicate copies have also been forwarded to the Division for their files. The Subsidence Maps submitted have been prepared based upon input from the summer and fall pedestrian surveys. Major changes noted during 1991 were all located in the vicinity of 1st, 2nd and 3rd Left East Mains near Whisky Creek. Minor additions to the map were noted at other locations. Changes noted on the map over those documented in 1990 are summarized in the following table.

1991 SUBSIDENCE SURVEY LOG

SUBSIDENCE NUMBER	DATE	COMMENT
2	9/18/91	DEPTH OF LARGE SINK HOLE NOW APPROXIMATELY 12 FT.
17	9/18/91	STARTING TO FILL IN.
18	9/18/91	DEPTH NOW APPROXIMATELY 6 IN TO 1 FT. FILLING IN.
19	9/19/91	WATER STILL FLOWING INTO SINKHOLE
20	9/18/91	NW HOLE 15 FT DEEP, NE HOLE 9 FT DEEP, SE HOLE 7 FT DEEP.
21	9/18/91	AREA LEVELING OUT.
25	9/18/91	CRACKS 2-3 FT WIDE, UP TO 7 FT DEEP.
26	9/18/91	CRACKS WITH GROUND DROP. DROP 2-3 FT, 2-5 FT WIDE, 3-6 FT DEEP.
27	9/18/91	CRACKS 2-6 IN WIDE, 4 FT DEEP.
28	9/18/91	CRACKS 2-4 IN WIDE, 2 FT DEEP.
29	9/18/91	CRACK WITH GROUND DROP. DROP 18 IN, 18 IN WIDE, 18 IN DEEP.
30	9/18/91	GROUND DROPPED APPROXIMATELY 2 FT BETWEEN TWO CRACKS. CRACKS 1-2 FT WIDE, 2-3 FT DEEP.
31	9/18/91	CRACKS APPROXIMATELY 1-2 FT WIDE, 1 FT DEEP.

Mr. Steve Tanner
December 24, 1991
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SUBSIDENCE NUMBER	DATE	COMMENT
32	9/18/91	START OF MULTIPLE RIDGE CRACKS 6-12 IN WIDE.
33	9/18/91	MULTIPLE PARALLEL CRACKS.
34	9/18/91	CRACKS 1-15 IN WIDE, 1-3.5 FT DEEP.
36	9/18/91	WEATHERING, NOW 1-3 FT DEEP.
37	9/18/91	NORTH-SOUTH CRACK 2-24 IN WIDE, 18 IN DEEP.
38	9/18/91	OLD SINK HOLE APPROXIMATELY 5 FT DIAMETER, 1-2 FT DEEP.
Q	9/19/91	OLD FRACTURES AT TREE ROOTS, 1 FT WIDE, 2-5 FEET DEEP. CAN'T TELL IF SUBSIDENCE OR UNRELATED CAUSE.
R	9/19/91	TWO CRACKS 2 FT WIDE, 3 FT DEEP.

Should you have any questions or comments, please call.

Sincerely,



David E. Hansen, Ph.D., P.E.
Project Manager

cc: Rick Summers - DOGM
- One Copy of Letter
- Three Copies of Subsidence Map

Document Information Form

Mine Number: C/007/0001

File Name: White Oak - Incoming

To: DOGm - Rick Summers

From:

Person David E. Hansen

Company Hansen Allen & Luce Inc.

Date Received: 1/3/92

Explanation: Maps Subsidence Map Correction
Update Two Maps

cc: