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**HANSEN
ALLEN
& LUCE^{INC}**

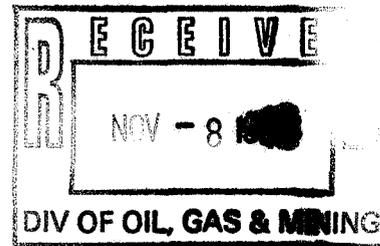
Wayne, Please route to file.
ACT/009/1001 #2

SALT LAKE AREA OFFICE
6771 South 900 East
Midvale, Utah 84047
Phone: (801) 566-5599

Mr. Steve Tanner
Environmental Coordinator
White Oak Mining and Construction Company, Inc.
Scofield Route
Helper, Utah 84526

November 4, 1994

Re: 1994 Subsidence Map Update.



Dear Mr. Tanner:

Enclosed please find a copy of the revised Subsidence Map related to the White Oak Mining and Construction Company property which was prepared based upon your authorization of our pedestrian surveys completed on September 21st and 22nd, 1994. As will be noted from the tables shown herein and on the map, little overall change was found between the 1993 and 1994 subsidence surveys except for some additional weathering of the subsidence features. An old feature associated with the O'Connor Mine was also identified and mapped this year.

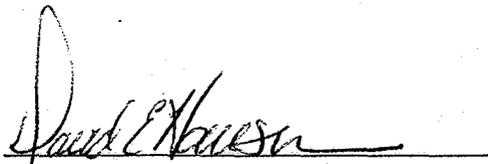
As with last year, the "Magellan NAV 5000 Pro's" were used where possible to help locate and further refine the locations of subsidence features. Locations of some features were not defined due to heavy ground cover which limits the ability of the locator to obtain an adequate satellite fix. The satellite locators were unable to obtain a "fix" for those subsidence stations with an "N/A" in the location column.

Comments relative to each subsidence location noted on the map during the 1994 survey are summarized in the following tables. Note that the vast majority of subsidence appears to be continuing the healing process through erosional filling and/or natural re-vegetation.

Mr. Steve Tanner
November 4, 1994
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As required we have submitted a copy of subsidence Map R645-301-728.100a to UDOGM. Should you have any questions or comments, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read "David E. Hansen", is written over a horizontal line.

David E. Hansen, Ph.D., P.E.
Principal

cc: Daron Haddock - UDOGM

1994 SUBSIDENCE SURVEY LOG
TAGGED SITES

TAG NUMBER	DATE	COMMENT	LOCATION	
			LAT	LONG
1	9/21/94	NO SIGNIFICANT CHANGE WELL VEGETATED	39°52.726"	11°54.631"
2	9/21/94	NO SIGNIFICANT CHANGE	40°01.650"	11°54.159"
3	9/22/94	WEATHERING & VEGETATIVE GROWTH CONTINUES - ALMOST COMPLETELY HEALED	39°43"	11°20"
4	9/22/94	NO SIGNIFICANT CHANGE	39°42.616"	11°10.749"
5	9/22/94	WEATHERING & VEGETATIVE GROWTH CONTINUES	39°47"	11°22"
6	9/22/94	WEATHERING & FILLING IN, BUT SOME CONTINUATION OF SUBSIDENCE	39°22.445"	11°20.087"
7	9/14/93	DID NOT LOCATE	N/A	N/A
8	9/21/94	OLD DEPRESSION 18" DEEP, 5' DIAMETER	38°58"	11°26"
12	9/22/94	NO SIGNIFICANT CHANGE - POSSIBLE EXTENSION OF TAGS 26 AND 34	39°39.38	111°11.19"
13	9/22/94	WELL DEFINED - UP TO 2' WIDE AND 5' DEEP	39°42.539	11°25.167"
16	9/21/94	WEATHERING CONTINUES - NO SIGNIFICANT CHANGE	39°46.527"	11°46.804"
17	9/21/94	WEATHERING CONTINUES - NO SIGNIFICANT CHANGE	39°47.441"	11°48.210"
18	9/21/94	NO SIGNIFICANT CHANGE	40°00"	11°50"
19	9/21/94	NO SIGNIFICANT CHANGE	39°05.618"	11°46.506"
20	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°49"	11°15"
21	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°47"	11°15"
22	9/21/94	WEATHERING CONTINUES - NO SIGNIFICANT CHANGE	39°08"	11°48"
23	9/21/94	NO SIGNIFICANT CHANGE	39°03.614"	11°32.964"
24	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°02.788"	11°14.970"
25	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°35.307"	11°10.981"
26	9/22/94	POSSIBLY MINOR ADDITIONAL SUBSIDENCE	39°35.794"	11°17.138"
27	9/22/94	NO SIGNIFICANT CHANGE	39°40.614"	11°24.120"
28	9/22/94	NO SIGNIFICANT CHANGE	39°39.304"	11°09.672"
29	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°42.356"	11°09.083"
30	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°45"	11°09"
31	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°47"	11°09"
32	9/22/94	CRACKS DECREASING - NO SIGNIFICANT CHANGE	39°47.184"	11°25.196"
33	9/22/94	TREE WITH TAG #33 HAS FALLEN OVER, REPLACED BY TAG #13	39°42.539"	11°25.167"
34	9/22/94	NO SIGNIFICANT CHANGE	39°39.189"	11°21.319"
35	9/21/94	2' WIDE X 1' DEEP	39°44"	11°11"
36	9/22/94	WEATHERING CONTINUES - NO SIGNIFICANT CHANGE	39°44"	11°09"
37	9/22/94	2' WIDE X 2' DEEP	39°48"	11°17"
38	9/22/94	ALMOST COMPLETELY HEALED	39°49.256"	11°21.361"
39	9/22/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°27.855"	11°22.084"
40	9/21/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	39°11.679"	11°32.604"
41	9/22/94	NO SIGNIFICANT CHANGE - NOT SUBSIDENCE	39°03"	12°23"
42	9/21/94	WEATHERING CONTINUES - NO SIGNIFICANT CHANGE	40°01"	11°52"
43	9/21/94	COULD NOT LOCATE	39°55.119"	11°49.401"
44	9/21/94	WEATHERING CONTINUES - NO SIGNIFICANT CHANGE	39°52.959"	11°48.144"
45	9/22/94	HEALING CONTINUES TO 6' WIDE 10' LONG	39°41"	11°09"
47	9/21/94	NO SIGNIFICANT CHANGE	39°40.00"	111°11.44"

**1994 SUBSIDENCE SURVEY LOG
TAGGED SITES - (Continued)**

TAG NUMBER	DATE	COMMENT	LOCATION ¹	
			LAT	LONG
49	9/22/94	HEALING CONTINUES	39°48"	11°08"
51	9/21/94	HEALING CONTINUES - NO SIGNIFICANT CHANGE	N/A	N/A
52	9/22/94	NO SIGNIFICANT CHANGE	39°38"	11°22"
53	9/21/94	NEW TAG FOR OLD AREA	39°15"	11°39"
54	9/22/94	REPLACED "K" BELOW, HEALING CONTINUES	39°40"	11°13"
60	9/21/94	SINK HOLE 20' DIAMETER, 15' DEEP, ESTABLISHED VEGETATION, O'CONNOR MINE FEATURE	38°51"	11°17"

N/A - NOT AVAILABLE.

1 - LATITUDES ARE ALL AT 39°, LONGITUDES ARE ALL AT 111°.

**SUBSIDENCE SURVEY LOG
NONTAGGED SITES**

SITE NUMBER	DATE	COMMENT	LOCATION ¹	
			LAT	LONG
A	9/21/94	COULD NOT LOCATE	N/A	N/A
B	9/21/94	COULD NOT LOCATE	N/A	N/A
G	9/21/94	COULD NOT LOCATE, APPARENTLY BECAUSE OF COMPLETE HEALING	N/A	N/A
J	9/22/94	COULD NOT LOCATE	N/A	N/A
M	9/21/94	COULD NOT LOCATE, APPARENTLY BECAUSE OF COMPLETE HEALING	N/A	N/A
P	9/22/94	NOT SUBSIDENCE	N/A	N/A

N/A - NOT AVAILABLE.

1 - LATITUDES ARE ALL AT 39°, LONGITUDES ARE ALL AT 111°.

Document Information Form

Mine Number: C/007/0001

File Name: White Oak - Incoming

To: Steve Tanner

From:

Person David Hansen

Company Hansen Allen & Luce, Inc.

Date Received: 11-8-94

Explanation: Revised Subsidence Map

cc: