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Date: 7/6/2009 7:28 AM
Subject: Emery Subsidence report
Attachments: Emery Subsidence 05-2009.pdf

Attached please find the monthly subsidence report for the Emery Mine. Also, my apologies for the tardiness of this email / report. I was on vacation. Hope you all had a great 4th.

Regards,
- Ian

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Consolidation Coal Emery Mine Subsidence Report for May 2009

5-18-09 12th West – Cracks are hard to find entering farmer's field wet area. Although did find cracks before the field. These cracks range from ¼" to 1" in width. IM & JJ

6th West – Cracks are weathering with no signs of new cracks.



12th West Crack before the field

- 5-19-09 12th West - Daily check of county road and no new hazards at this time. JJ
- 5-20-09 12th West – Daily check of county road and no new hazards at this time. JJ
- 5-21-09 12th West – Daily check of county road and no new hazards at this time. JJ
- 5-22-09 12th West – Daily check of county road and no new hazards at this time. JJ
- 5-26-09 12th West – Cracks can still be found in the field. Farmer has been watering and can not locate any new cracks. This section has finished pillaring but monitoring will still continue. Monitored county road to find that some small cracks have formed but show no signs of being a hazard. JJ
- 6th West – No new cracks and old cracks are continuing to weather. JJ



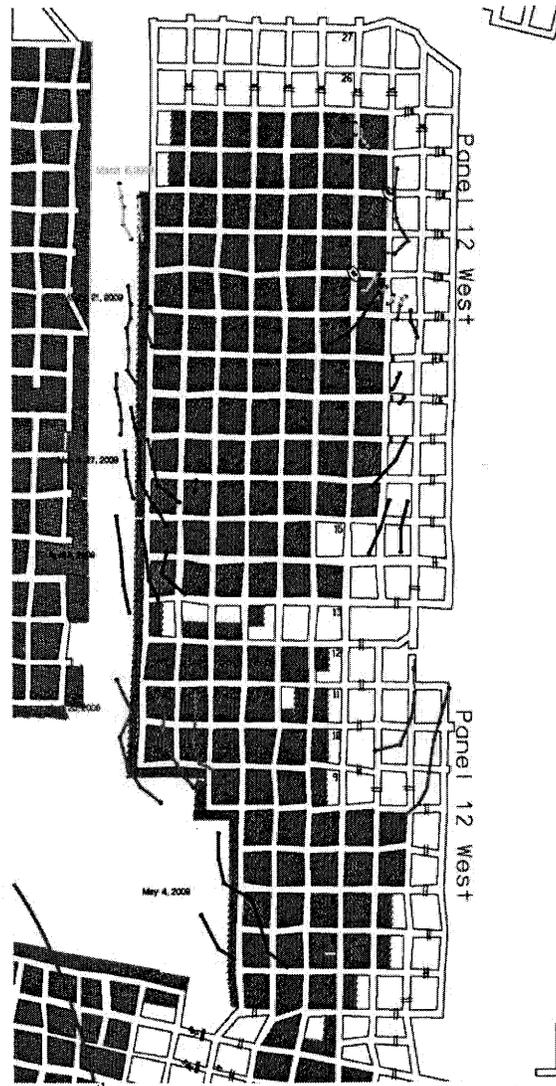
12th West Crack/Bump on the Road

6-2-09

12th West – The ripple in the county road is still not a hazard at this time. We have finished pillaring as mentioned earlier and subsidence now lies in an irrigated field where it is difficult to view any new cracks. Old cracks appear to be the same with a little bit of weather. JJ

6th West – No new cracks although old cracks are really starting to weather quite a bit. JJ

7th West – Cracks with about 1/4" to 1/2" widths are beginning to show. JJ



12th West – Showing completed panel w/ GPS points

6-8-09

12th West – Subsidence at the county road is still the same with no sign of being a hazard. At this time there are no new cracks and the old cracks are continuing to weather. JJ

6th West – No new cracks although old cracks are really starting to weather quite a bit. The width on these cracks varies from around ½” to 1 ½”.

7th West – Seeing new cracks following the panel. These cracks are about ¼” to ½” in width and remain about 5’ to 6’ apart.



7th West Subsidence crack

Below is a summary of the flow data from SP-10 collected by Karla Knoop, from JBR Environmental.

Consol Emery Mine
Panel 14th West
Bryant No. 1
Flow Measurements made at dam breach

Date	Flow (gpm)
6/13/2007	77
7/24/2007	52
8/28/2007	75
9/20/2007	69
10/19/2007	59
11/15/2007	54
12/17/2007	frozen
1/15/2008	Flowing under, over & through ice/snow; can't measure, but flow appears to be similar to the November flow rate.
2/26/2008	67
3/21/2008	90
4/24/2008	35
5/22/2008	255
6/25/2008	230
7/16/2008	355
8/14/2008	275
9/10/2008	190
10/21/2008	117
11/19/2008	48
12/11/2008	56
1/21/2009	34
2/26/2008	23
3/10/2009	29
4/20/2009	12
5/13/2009	10
6/16/2009	235