


**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Ard Property Borrow	MINE/PROSPECTING ID#: M-2017-002	MINERAL: Borrow material for	COUNTY: Weld
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: May 18, 2017	INSP. TIME: 10:00
OPERATOR: Ames Construction, Inc.	OPERATOR REPRESENTATIVE: None	TYPE OF OPERATION: 111 - Construction by Government Agency	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$25,820.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Raining	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 1, 2017

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM/POSSIBLE VIOLATION: Problem: The affected area boundary markers are missing or incorrectly placed based on a GPS survey of the affected area by the Division. This is a problem for failure to maintain boundary markers around the affected area as required by Rule 3.1.12(2).

CORRECTIVE ACTIONS: The Operator must conduct a survey and place the boundary markers in the correct location(s). The Operator shall provide proof to the Division this has been done by the corrective action date. The Operator will be required to submit a technical revision or a new 111 permit application, depending on the results of the survey, to include all mining disturbances outside of the permit boundary if the Operator's survey indicates area outside of the permit boundary have been affected by mining activity.

CORRECTIVE ACTION DUE DATE: 6/30/17

OBSERVATIONS

The Ard Property Borrow site was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The Ard Property Borrow 111 permit was approved and issued by the Division on February 28, 2017. The site is approved for 8.0 acres of disturbance related to the WCR 49 expansion project. The Division holds a reclamation bond in the amount of \$25,820.00.

The Division approved a technical revision (TR-01) on April 5, 2017 to revise the Mining and Reclamation plans and maps to include a 200 foot offset from the Noble Energy (Noble) wellhead located west of the permit boundary. The technical revision was required following the Division's previous inspection on March 2, 2017, which cited the presence of the wellhead as a problem since it was not identified in the permit application. The Operator was not able to obtain a structure agreement with Noble, so they committed to staying 200 feet away from the wellhead during mining and reclamation activities.

The site was inactive during the inspection. The access road, a dozer, an area of excavation and topsoil stockpiles were observed at the site. The mine identification sign was observed pursuant to Rule 3.1.12. The required boundary markers were not observed during the inspection. The excavation depth was estimated at 10 feet below grade. Topsoil stockpiles were observed northwest and southeast of the excavation area. The pit floor and mine site contained several areas of standing water due to the ongoing rainstorm at the time of the inspection.

The disturbed mining area was GPS surveyed by the Division using a Trimble Juno 3B. A map of the GPS survey results are attached. The survey indicated a portion of the excavation, the access road and stockpiled material are located outside of the permit boundary and within 135 feet of the Noble well. As cited as a problem, the Operator must conduct a survey and place boundary markers in the correct location(s). The Operator shall provide proof to the Division this has been done by the corrective action date.

Photographs taken during the inspection are attached.

PHOTOGRAPHS



Ard Property Borrow mine sign



View of the site from the NE corner of pit looking south



View of the site from the NE corner of pit looking southwest



View of the site from the SW corner of pit looking north



View of the site from the SW corner of pit looking northeast



View of the site from the south end of pit looking north

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>N</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

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Enclosure – Inspection Map

Ec: Wally Erickson, DRMS

Ard Property Borrow

M-2017-002

May 18, 2017 Inspection Map

Legend

-  135 foot offset
-  Ames - Ard Property Borrow
-  Approx. Ard Borrow Permit Boundary
-  Haul Road
-  Noble Energy Wellhead
-  Surveyed 4.25 Acre Disturbance Area
-  Topsoil Stockpiles

Ames - Ard Property Borrow

Noble Energy Wellhead

Google earth

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600 ft