

PSH

Varra Companies, Inc.

8120 Gage Street Frederick, Colorado 80516 Telephone (303) 666-6657 Fax (970) 353-4047

Friday 24 January 2014

To: Peter Hays, E.P.S.
Colorado Office of Mined Land Reclamation
Division of Reclamation Mining & Safety
1313 Sherman St., Room 215
Denver, Colorado 80203

From: Garrett C. Varra, Vice-President of Operations
Varra Companies, Inc.
gvarra@varracompanies.com

Subject: Professional evaluation and determinations regarding the Herb Acord domestic well.

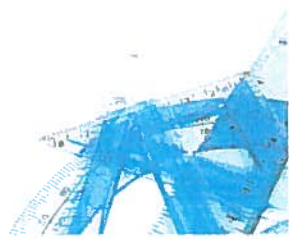
M-2009-018

RECEIVED

JAN 28 2014

DIVISION OF RECLAMATION
MINING AND SAFETY

Enclosed is correspondence from AWES, LLC regarding Herb Acord's domestic well, located in the Northwest Quarter, Section 32, Township 3 North, Range 67 West, 6th P.M., Weld County, Colorado. Subsequent to your review, please feel free to contact me directly if you need clarification, or should you have additional concerns. Thank-you.



December 9, 2013

Varra Companies

8120 Gage Street
Frederick, Colorado 80516
Attn: Mr. Garrett Varra

RE: Well Inspection Record
Acord Domestic Well
Weld County, Colorado
AWES No. 1-1-107

Dear Mr. Varra:

At the request of Varra Companies, Inc. (Varra) I inspected the domestic well currently owned by Mr. Herb Acord of Weld County, Colorado. The purpose of the inspection was to document the construction details of the well and assess the claim that current mine dewatering has induced drawdown to a point where the well has limited ability to lift. The well is located approximately 1500 feet west of the northern extent of the Varra Heintzelman gravel quarry mine (DRMS Permit # M-209-018). The well inspection was conducted on November 21, 2013. Personnel present during the inspection were Mr. Brad Janes, Mr. Garrett Varra, me and Mr. Herb Acord. The site location is depicted on Figure 1. The location of the well with respect to Varra mining operations is depicted on Plate 1. Pictures of the Acord Well and Last Chance Ditch are present in Attachment A.

Based on my inspection it is my opinion that dewatering associated with the Varra Heintzelman mine has not adversely impacted the Acord well. The rational for this opinion is provided below.

The construction details of the well of interest are as follows:

1. Six-inch diameter, steel casing with expanding well seal;
2. Top of well casing approximately 5.58 feet below grade located within a rectangular concrete vault;
3. Depth to water measured at 5.0 feet below top of casing (TOC);
4. Depth to well bottom measured at 6.7 feet below TOC; and
5. Pump type - submersible.

At the time of the well inspection Mr. Acord indicated that the well was cycling and could not provide an adequate volume of water for continuous household needs. Mr. Acord indicated that the

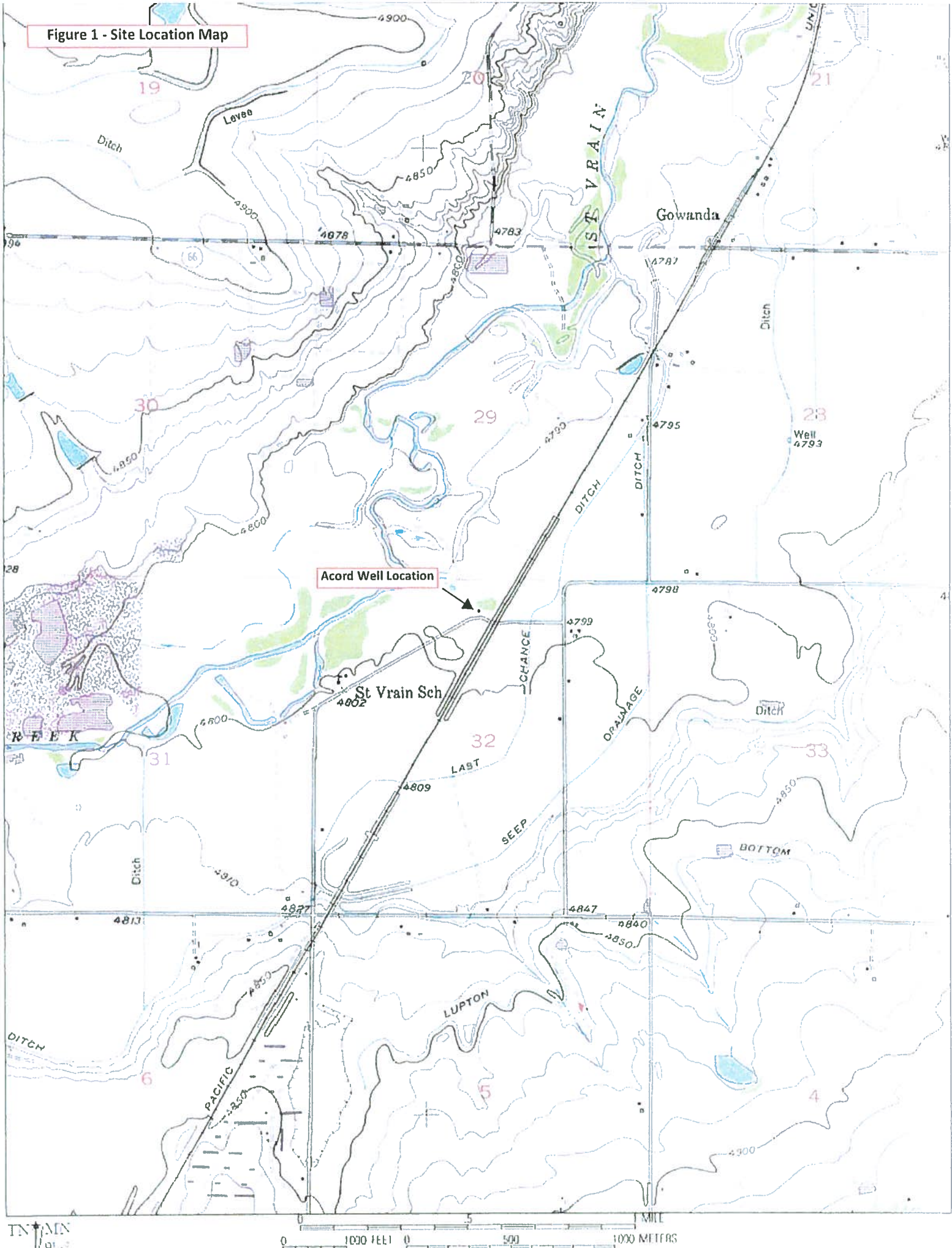
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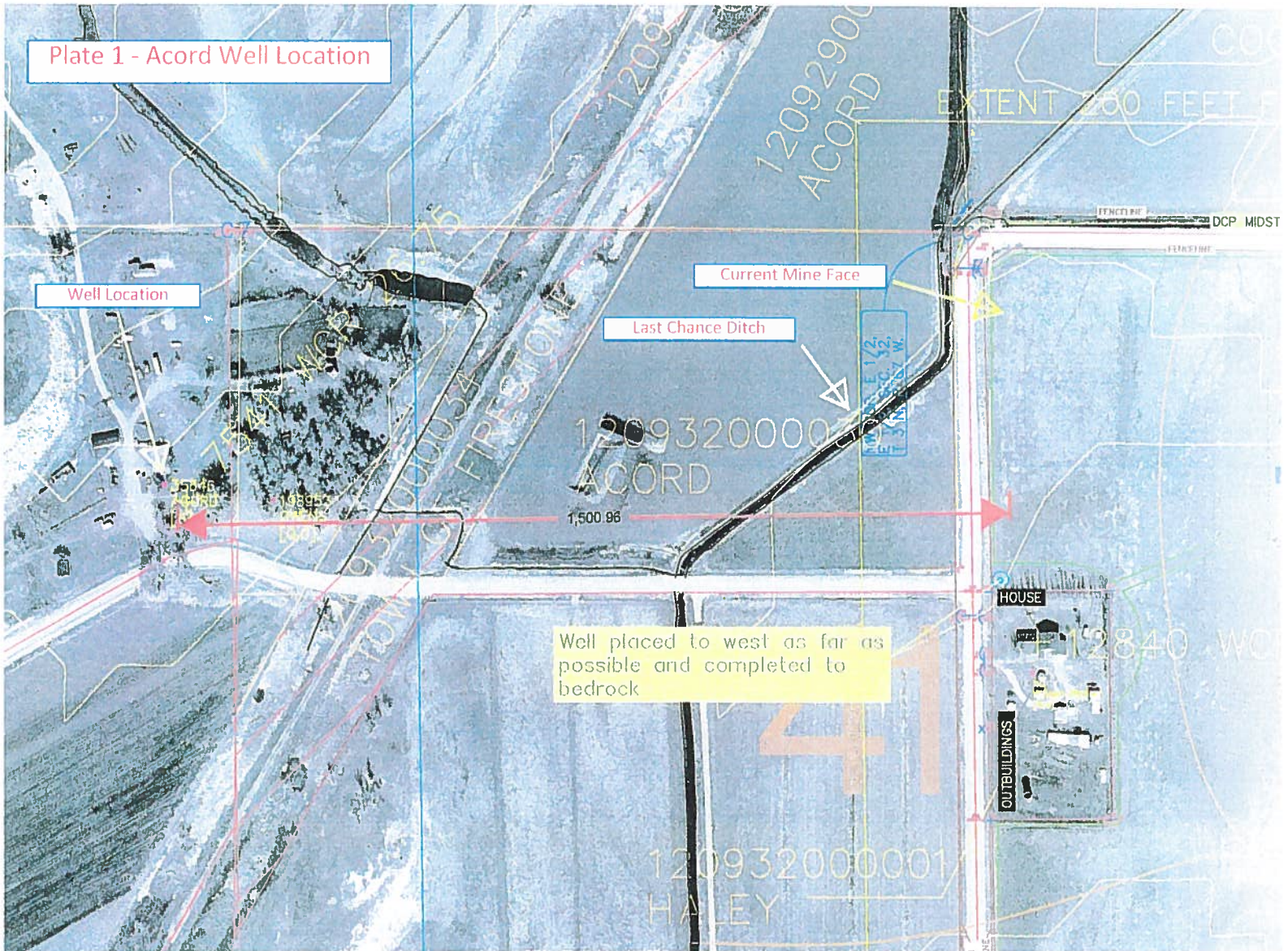
Plate 1 - Acord Well Location

Well Location

Current Mine Face

Last Chance Ditch

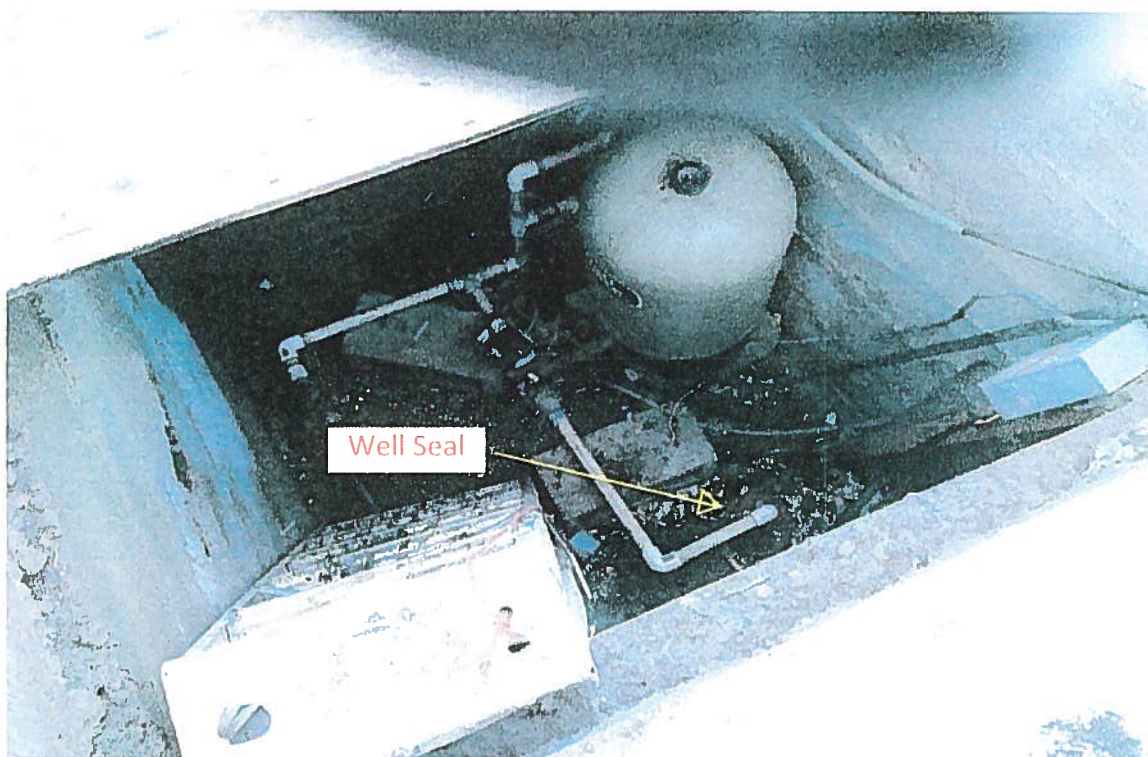
Well placed to west as far as possible and completed to bedrock



ATTACHMENT A

SITE PHOTOGRAPHS

View of Well



View of Last Chance Ditch Looking SW

ATTACHMENT B

ACORD WELL RECORD

Colorado Division of Water Resources

Well Constructed

[Help](#) Last Refresh: 11/21/2013 12:00:53 AM

Receipt: 9063797 Division: 1
 Permit #: 35646- Water District: 5
 Well Name / #: County: WELD
 Designated Basin: Management District:
 Case Number:
 WDID:

[-] Applicant/Owners History

Date Range	Applicant / Owner Name	Address	City/State/Zip
Unknown - Present	ACORD GILBERT	RED 4 BOX 131	LONGMONT, CO 80501

[-] Location Information

Approved Well Location:

Q40	Q160	Section	Township	Range	PM	Footage from Section Lines
NW	NE	32	3.0N	67.0W	Sixth	

Northing (UTM y): 4448608.0 Easting (UTM x): 507519.7
 Location Accuracy: Spotted from quarters

Physical Address

Subdivision Name

City/State/Zip

Filing Block Lot

Parcel ID:

Acres in Tract:

[-] Permit Details

Date Issued: Date Expires:
 Use(s): DOMESTIC Aquifer(s): ALL UNNAMED AQUIFERS
 Special Use:
 Area which may be irrigated:
 Maximum annual volume of appropriation: 1
 Statute:
 Permit Requirements: Totalizing Flow Meter Geophysical Log Abandonment Report
 No No No
 Cross Reference Permit Number Receipt Description
 Permit(s): Comments:

[-] Construction/Usage Details

Well Construction Date:	Pump Installation Date:
Well Plugged:	1st Beneficial Use: 11/02/1968

Elevation	Depth	Perforated Casing (Top)	Perforated Casing (Bottom)	Static Water Level	Pump Rate
21				9	15

[-] Application/Permit History

First Beneficial Use	11/02/1968
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[-] Imaged Documents

Document Name	Date Imaged	Annotated
Original File	12/03/2007	No

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