

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

The Division of Reclamation, Mining and Safety 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:		MINE/PROSPECTING ID#:	MINERAL:	COUNTY:	
NCCI Pit #1		M-2001-107	Sand and gravel	Weld	
<b>INSPECTION TYPE:</b>		INSPECTOR(S):	INSP. DATE:	INSP. TIME:	
Monitoring		Peter Hays	May 10, 2022	11:00	
OPERATOR:		<b>OPERATOR REPRESENTATIVE:</b>	TYPE OF OPERAT	FION:	
Northern Colorado Constructors, Inc	. Aggreg	Chris Zadel	112c - Construction	Regular Operation	
			•		
<b>REASON FOR INSPECTION:</b>		BOND CALCULATION TYPE:	<b>BOND AMOUNT:</b>		
Citizen Complaint		None	\$486,745.00		
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:		
NA		None	None		
WEATHER:	INSPE	CTOR'S SIGNATURE:	SIGNATURE DAT	E:	
Clear		1,1	June 6, 2022		
	6	Any			

### **GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS <u>Y</u>	(FN) FINANCIAL WARRANTY Y	(RD) ROADS <u>N</u>
(HB) HYDROLOGIC BALANCE <u>N</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>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION <u>N</u>
(SM) SIGNS AND MARKERS Y	(SP) STORM WATER MGT PLAN <u>N</u>	(RS) RECL PLAN/COMP <u>N</u>
(ES) OVERBURDEN/DEV. WASTE <u>N</u>	(SC) EROSION/SEDIMENTATION <u>N</u>	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>N</u>	(OD) OFF-SITE DAMAGE <u>N</u>	

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

# **OBSERVATIONS**

The NCCI Pit #1 was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) to investigate an informal well impact complaint from a nearby landowner. Mr. Chris Zadel with Northern Colorado Constructors, Inc. and Mr. J.C. York with J&T Consulting, Inc. were present during the inspection. An inspection map is attached for reference.

On April 19, 2022, Mr. Zadel informed the Division he was talking with a neighbor, Shirley Wagner, about her irrigation well. Ms. Wagner was concerned her irrigation well was depleting over time and believes the NCCI pit is the cause of the well impacts.

The Operator provided a monitoring well location map and current groundwater elevations for the site on April 19, 2022. Monitoring well MW-Z3 is located in the northwest corner of the clay lined reservoir at the site. The data indicated seasonal fluctuation of the approximately 1 foot between January 2022 and April 2022.

The Wagner well is located upgradiant of two (2) other mining operations, the Lupton Meadows Gravel Mine, M-2016-076, operated by Bestway Concrete Company and the Heit Sand and Gravel Mine, M-2003-016, operated by Pioneer Sand Company, Inc. Slurry walls are installed at both sites to create reservoirs. The general groundwater direction in the area is towards the Platte River from the southwest to the northeast. The groundwater direction should cause a mounding effect along the west side of the slurry walls, which could increasing the groundwater elevation on the Wagner property, but is likely relieved by Big Dry Creek.

Based on the Division of Water Resources records the well was originally permitted for 900 gpm in 1982. Two (2) pump test records are available for the well from March 29, 2016 and August 19, 2020. The pump test results indicated a flow rate of 621 gpm and 587 gpm, respectively. During the inspection, a pump rate of 450 gpm was observed on the flow meter.

The Wagner well is located between the Lupton Meadow Bottoms ditch to the west and Big Dry Creek to the east in an irrigated field. Ms. Wagner stated the well pump surges at startup and quickly runs dry. The pump was started during the inspection for a few minutes and water was observed flowing from the well outlet pipe into the irrigation system vault. The primary source of irrigation water for the property is from the Lupton Meadow Bottoms ditch. Water was being diverted from the ditch to the irrigation ponds which serves the irrigation pivot during the inspection. The irrigation well is the secondary source of water for the pivot and is not currently planned to be used this year by the landowner.

Ms. Wagner stated the well was rehabbed by Hydro Well a few years ago and Alliance Well installed the new above ground pipes recently.

Ms. Wagner believes the dewatering of the NCCI Pit#1 is the cause of the well impacts and believes the impacts will be corrected by the completion of the clay liner at the site. The clay liner is currently under construction at the site. The Operator estimates the liner will be completed and dewatering will end this year. Ms. Wagner requested no further actions by the Division at this time. Ms. Wagner and NCCI agreed to contact each other next spring to evaluate the well.

Photographs taken during the inspection are attached. If you need additional information or have any questions, please contact me at the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at peter.hays@state.co.us.

### Inspection Contact Address

Mr. Chris Zadel Northern Colorado Constructors, Inc. 9075 WCR 10 Ft. Lupton, CO 80621

Enclosure – Inspection Map, Monitoring Well Data and Map, DWR Records

Ec: Jared Ebert, DRMS



# PHOTOGRAPHS

View of the inlet vault from the well to the irrigation system



View of the flow meter installed on the well outlet pipe



View of the Lupton Meadows Bottom Ditch located west of the well







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	Off-site Moni			itoring Wells	
Piezometer Number		MW-Z1			MW-Z2
Ground Surface Elevation (ft) (1)		4870.33			4870.66
Top of PVC Elevation (ft) (1)		4869.73			4870.05
	Depth to	Water		Depth to	Water
Data of Massurament	water from	Surface	Change (ft)	water from	Surface
Date of Measurement	top of PVC	Elevation	Change (It)	top of PVC	Elevation
	(ft)	(ft)		(ft)	(ft)
8/13/2010	4.25	4865.48		5.40	4864.65
9/16/2010	5.22	4864.51	(0.97)	6.33	4863.72
10/14/2010	6.06	4863.67	(0.84)	6.76	4863.29
11/16/2010	8.31	4861.42	(2.25)	8.92	4861.13
12/3/2010	9.20	4860.53	(0.89)	9.90	4860.15
1/11/2011				11.40	4858.65
2/15/2011	11.49	4858.24	(2.29)	12.34	4857.71
3/15/2011	12.10	4857.63	(0.61)	12.90	4857.15
4/19/2011	11.85	4857.88	0.25	12.70	4857.35
5/17/2011	8.10	4861.63	3.75	9.40	4860.65
6/16/2011	7.60	4862.13	0.50	8.50	4861.55
7/25/2011	4.87	4864.86	2.73	5.85	4864.20
8/17/2011	3.35	4866.38	1.52	4.81	4865.24
9/20/2011	4.20	4865.53	(0.85)	5.38	4864.67
10/21/2011	5.37	4864.36	(1.17)	6.22	4863.83
11/23/2011	6.64	4863.09	(1.27)	7.63	4862.42
12/21/2011	8.60	4861.13	(1.96)	8.80	4861.25
1/27/2012	8.10	4861.63	0.50	9.59	4860.46
2/28/2012	8.75	4860.98	(0.65)	10.50	4859.55
3/26/2012	8.90	4860.83	(0.15)	10.83	4859.22
4/24/2012	8.20	4861.53	0.70	10.25	4859.80
5/17/2012	7.15	4862.58	1.05	8.75	4861.30
6/19/2012	5.75	4863.98	1.40	7.10	4862.95
7/18/2012	4.80	4864.93	0.95	6.30	4863.75
8/21/2012	5.78	4863.95	(0.98)	6.82	4863.23
9/24/2012	6.89	4862.84	(1.11)	7.72	4862.33
10/22/2012	6.30	4863.43	0.59	7.05	4863.00
11/19/2012	7.14	4862.59	(0.84)	8.23	4861.82
12/18/2012	8.85	4860.88	(1.71)	10.11	4859.94
1/24/2013	9.73	4860.00	(0.88)	11.19	4858.86
2/18/2013	10.15	4859.58	(0.42)	11.62	4858.43
3/19/2013	10.55	4859.18	(0.40)	12.01	4858.04
4/26/2013	10.15	4859.58	0.40	11.50	4858.55
5/24/2013	8.90	4860.83	1.25	10.02	4860.03
6/19/2013	8.88	4860.85	0.02	9.98	4860.07
8/6/2013	5.70	4864.03	3.18	6.74	4863.31
8/29/2013	6.40	4863.33	(0.70)	7.42	4862.63

9/23/2013	4.20	4865.53	2.20	5.24	4864.81
10/31/2013	6.28	4863.45	(2.08)	7.12	4862.93
12/16/2013	8.54	4861.19	(2.26)	9.09	4860.96
1/21/2014	9.03	4860.70	(0.49)	9.40	4860.65
2/18/2014	9.34	4860.39	(0.31)	9.79	4860.26
3/31/2014	11.85	4857.88	(2.51)	12.50	4857.55
4/21/2014	13.30	4856.43	(1.45)	13.61	4856.44
6/18/2014	8.90	4860.83	4.40	9.95	4860.10
7/29/2014	7.61	4862.12	1.29	8.31	4861.74
8/19/2014	6.50	4863.23	1.11	7.20	4862.85
9/23/2014	5.75	4863.98	0.75	6.13	4863.92
10/23/2014	7.93	4861.80	(2.18)	8.41	4861.64
11/20/2014	12.25	4857.48	(4.32)	12.20	4857.85
12/23/2014	12.33	4857.40	(0.08)	12.33	4857.72
1/20/2015	12.64	4857.09	(0.31)	12.84	4857.21
2/10/2015	13.03	4856.70	(0.39)	13.40	4856.65
3/1/2015	14.71	4855.02	(1.68)	14.75	4855.30
6/9/2015	8.89	4860.84	5.82	9.55	4860.50
7/20/2015	7.23	4862.50	1.66	8.07	4861.98
8/17/2015	6.60	4863.13	0.63	6.95	4863.10
9/29/2015	6.75	4862.98	(0.15)	7.07	4862.98
10/19/2015	7.23	4862.50	(0.48)	7.80	4862.25
12/7/2015	8.30	4861.43	(1.07)	8.93	4861.12
1/28/2016	9.41	4860.32	(1.11)	10.35	4859.70
3/15/2016	10.20	4859.53	(0.79)	11.15	4858.90
6/7/2016	9.33	4860.40	0.87	10.70	4859.35
7/22/2016	8.13	4861.60	1.20	9.30	4860.75
9/27/2016	8.13	4861.60	0.00	7.01	4863.04
10/24/2016	7.13	4862.60	1.00	7.35	4862.70
1/10/2017	11.38	4858.35	(4.25)	11.83	4858.22
3/10/2017	12.03	4857.70	(0.65)	12.58	4857.47
6/23/2017	9.12	4860.61	2.91	8.43	4861.62
9/22/2017	11.54	4858.19	(2.42)	10.22	4859.83
1/12/2018	14.60	4855.13	(3.06)	14.13	4855.92
3/27/2018	13.47	4856.26	1.13	13.65	4856.40
6/20/2018	7.43	4862.30	6.04	7.73	4862.32
9/20/2018	7.63	4862.10	(0.20)	8.05	4862.00
12/21/2018	9.19	4860.54	(1.56)	10.21	4859.84
3/28/2019	10.64	4859.09	(1.45)	11.36	4858.69
6/19/2019	8.63	4861.10	2.01	9.31	4860.74
8/6/2019	8.79	4860.94	(0.16)	8.63	4861.42
9/18/2019	7.01	4862.72	1.78	7.57	4862.48
1/15/2020	8.97	4860.76	(1.96)	10.40	4859.65
2/26/2020	10.42	4859.31	(1.45)	11.72	4858.33
3/13/2020	10.84	4858.89	(0.42)	11.98	4858.07
4/22/2020	10.30	4859.43	0.54	11.12	4858.93
6/18/2020	7.46	4862.27	2.84	7.41	4862.64

7/24/2020	6.90	4862.83	0.56	7.60	4862.45
9/16/2020	7.02	4862.71	(0.12)	7.21	4862.84
9/30/2020	7.05	4862.68	(0.03)	7.33	4862.72
1/7/2021	9.10	4860.63	(2.05)	10.00	4860.05
3/3/2021	10.21	4859.52	(1.11)	11.27	4858.78
4/1/2021	10.41	4859.32	(0.20)	11.32	4858.73
5/10/2021	9.14	4860.59	1.27	9.66	4860.39
6/14/2021	8.57	4861.16	0.57	8.78	4861.27
7/19/2021	7.34	4862.39	1.23	7.40	4862.65
8/12/2021	6.93	4862.80	0.41	7.00	4863.05
9/7/2021	6.22	4863.51	0.71	5.54	4864.51
10/12/2021	6.61	4863.12	(0.39)	7.11	4862.94
11/9/2021	6.78	4862.95	(0.17)	7.50	4862.55
12/2/2021	8.30	4861.43	(1.52)	9.13	4860.92
1/10/2022	10.00	4859.73	(1.70)	11.10	4858.95
2/10/2022	10.75	4858.98	(0.75)	12.05	4858.00
3/14/2022	11.30	4858.43	(0.55)	12.50	4857.55
4/19/2022	11.65	4858.08	(0.35)	12.94	4857.11
Max	14.71	4866.38	6.04	14.75	4865.24
Min	3.35	4855.02	(4.32)	4.81	4855.30
Max Change	11.36	11.36		9.94	9.94
Average	8.61	4861.12	(0.07)	9.37	4860.69

<sup>1</sup> Elevations surveyed by Survey Systems, Evergreen, Colorado (July, 2011).

		MW-Z3			MW-Z4	
		4862.14			4862.72	
Change (ft)	Depth to water from top of PVC (ft)	Water Surface Elevation (ft)	Change (ft)	Depth to water from top of PVC (ft)	Water Surface Elevation (ft)	Change (ft)
(0.93)						
(0.43)						
(2.16)						
(0.98)						
(1.50)						
(0.94)						
(0.56)				<b></b>		
0.20				<b></b>		
3.30	L			<b></b>		
0.90	L			<b></b>		
2.65	L			<b></b>		
1.04	L			<b></b>		
(0.57)	<b></b>			<b> </b>		
(0.84)	<b></b>			<b> </b>		
(1.41)	<b> </b>			<b> </b>		
(1.17)	<b> </b>			┨─────		
(0.79)	<b> </b>					
(0.91)	<b> </b>			┨─────		
(0.33)	<b> </b>					
0.58	<b> </b>			┨─────		
1.50	<b> </b>			┨─────		
1.65	<b> </b>			┨─────		
0.80	<b> </b>			╂─────		
(0.52)	<b> </b>			┠────		
(0.90)	<b> </b>			╂─────		
0.67	<b> </b>			┠────		
(1.18)	<b> </b>			╂─────		
(1.88)	<b> </b>			┠────		
(1.08)	<b> </b>			╂─────		
(0.43)	<b> </b>			<b> </b>		
(0.39)	<b> </b>			╂─────		
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1.40	<b> </b>			╂─────		
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2.18						
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(2.28)						
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(0.13)						
(0.51)						
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5.20						
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1.12						
(0.12)						
(0.73)						
(1.13)						
(1.42)						
(0.80)						
0.45						
1.40						
2.29						
(0.34)						
(4.48)						
(0.75)						
4.15						
(1.79)						
(3.91)						
0.48						
5.92						
(0.32)						
(2.16)						
(1.15)						
2.05						
0.68	14.58	4847.56		15.79	4846.93	
1.06						
(2.83)	17.77	4844.37	(3.19)	19.94	4842.78	(4.15)
(1.32)	18.20	4843.94	(0.43)	19.92	4842.80	0.02
(0.26)	20.38	4841.76	(2.18)	17.78	4844.94	2.14
0.86	16.64	4845.50	3.74	19.93	4842.79	(2.15)
3.71	13.10	4849.04	3.54	17.00	4845.72	2.93

(0.19)	12 15	1819 99	0.95	19 93	4842 79	(2.93)
0.39	8.62	4853 52	3 53	19.93	4842.75	0.00
(0.12)	8.60	4853.54	0.02	16.85	4845.87	3.08
(2.67)	12.90	4849.24	(4.30)	20.00	4842.72	(3.15)
(1.27)	14.16	4847.98	(1.26)	22.06	4840.66	(2.06)
(0.05)	13.40	4848.74	0.76	20.34	4842.38	1.72
1.66	10.43	4851.71	2.97	14.41	4848.31	5.93
0.88	7.20	4854.94	3.23	12.11	4850.61	2.30
1.38	7.17	4854.97	0.03	10.88	4851.84	1.23
0.40	8.63	4853.51	(1.46)	10.94	4851.78	(0.06)
1.46	9.30	4852.84	(0.67)	11.21	4851.51	(0.27)
(1.57)	8.75	4853.39	0.55	11.63	4851.09	(0.42)
(0.39)	10.10	4852.04	(1.35)	11.99	4850.73	(0.36)
(1.63)	11.69	4850.45	(1.59)	12.26	4850.46	(0.27)
(1.97)	12.91	4849.23	(1.22)	12.65	4850.07	(0.39)
(0.95)	13.95	4848.19	(1.04)	13.10	4849.62	(0.45)
(0.45)	14.23	4847.91	(0.28)	13.08	4849.64	0.02
(0.44)	14.41	4847.73	(0.18)	12.50	4850.22	0.58
5.92						
(4.48)						
(0.07)						

	MW-Z5			MW-Z6		
	4869.24			4869.47		
Depth to water from top of PVC (ft)	Water Surface Elevation (ft)	Change (ft)	Depth to water from top of PVC (ft)	Water Surface Elevation (ft)	Change (ft)	Depth to water from top of PVC (ft)
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Image: Sector of the sector							
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27.36       4841.88       26.65       4842.82       26.85         1       1       1       1       1         1       1       1       1       1         1       1       1       1       1       1         1							
27.36         4841.88         26.65         4842.82         26.85           1         1         1         1         1           1         1         1         1         1           1         1         1         1         1         1           1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
27.36         4841.88         26.65         4842.82         26.85           1         1         1         1         1           1         1         1         1         1           1         1         1         1         1         1           1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
27.36       4841.88       26.65       4842.82       26.85         1       1       1       1       1         1       1       1       1       1         1       1							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.42       (0.24)       26.94         19.73       4849.51       7.63       26.81       4842.42       (0.24)       26.94         19.73       4849.51       7.63       26.81       4842.73       0.31       26.00         19.73       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4853.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         1       1       1       1         19.73       4849.51       7.63       26.81       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71				1			
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.73       4849.51       7.63       26.81       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.73       4849.26       (0.25)       27.05       4842.82       26.85         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         1       1       1       1         19.73       4849.51       7.63       26.81       4842.42       (0.24)       26.94         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.29       4.73       26.74       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         1       1       1       1         19.73       4849.51       7.63       26.81       4842.42       (0.26)         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.29       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
Image: Constraint of the second se							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.82       26.85         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.82       26.85         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.29       4.73       26.74       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.42       (0.24)       26.94         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.42       (0.24)       26.94         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.42       (0.24)       26.94         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.82       26.85         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.85         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
Image: Constraint of the second system of							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.73       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.29       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							1
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							1
27.36       4841.88       26.65       4842.82       26.85         19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71							
19.73       4849.51       7.63       26.81       4842.66       (0.16)       26.88         19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71	27.36	4841.88		26.65	4842.82		26.85
19.734849.517.6326.814842.66(0.16)26.8819.984849.26(0.25)27.054842.42(0.24)26.9415.254853.994.7326.744842.730.3126.0015.964853.28(0.71)25.854843.620.8926.5014.544854.701.4223.734845.742.1224.71							
19.98       4849.26       (0.25)       27.05       4842.42       (0.24)       26.94         15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71	19.73	4849.51	7.63	26.81	4842.66	(0,16)	26,88
15.25       4853.99       4.73       26.74       4842.73       0.31       26.00         15.96       4853.28       (0.71)       25.85       4843.62       0.89       26.50         14.54       4854.70       1.42       23.73       4845.74       2.12       24.71	19.98	4849.26	(0.25)	27.05	4842.42	(0.24)	26.94
15.96     4853.28     (0.71)     25.85     4843.62     0.89     26.50       14.54     4854.70     1.42     23.73     4845.74     2.12     24.71	15.25	4853.99	4.73	26.74	4842.73	0.31	26.00
14.54         4854.70         1.42         23.73         4845.74         2.12         24.71	15.96	4853.28	(0.71)	25.85	4843.62	0.89	26.50
	14.54	4854.70	1.42	23.73	4845.74	2.12	24.71

9.45       4859.79       5.09       17.10       4852.37       6.63       20.40         18.47       4850.77       (9.02)       25.57       4843.90       (8.47)       26.60         21.42       4847.82       (2.95)       26.69       4842.78       (1.12)       26.90         25.80       4843.44       (4.38)       27.75       4841.72       (1.06)       27.25         26.73       4842.51       (0.93)       27.89       4841.73       0.15       27.24         18.65       4850.59       5.91       26.04       4843.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.33       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50							
18.47       4850.77       (9.02)       25.57       4843.90       (8.47)       26.60         21.42       4847.82       (2.95)       26.69       4842.78       (1.12)       26.90         25.80       4843.44       (4.38)       27.75       4841.72       (1.06)       27.25         26.73       4842.51       (0.93)       27.89       4841.58       (0.14)       27.32         24.56       4844.68       2.17       27.74       4841.73       0.15       27.24         18.65       4850.59       5.91       26.04       4843.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.03       (0.48)       26.68         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72	9.45	4859.79	5.09	17.10	4852.37	6.63	20.40
21.42       4847.82       (2.95)       26.69       4842.78       (1.12)       26.90         25.80       4843.44       (4.38)       27.75       4841.72       (1.06)       27.25         26.73       4842.51       (0.93)       27.89       4841.58       (0.14)       27.32         24.56       4844.68       2.17       27.74       4841.73       0.15       27.24         18.65       4850.59       5.91       26.04       4843.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4843.74       (0.25)       22.82       4846.65       3.42       21.50 <td>18.47</td> <td>4850.77</td> <td>(9.02)</td> <td>25.57</td> <td>4843.90</td> <td>(8.47)</td> <td>26.60</td>	18.47	4850.77	(9.02)	25.57	4843.90	(8.47)	26.60
25.80       4843.44       (4.38)       27.75       4841.72       (1.06)       27.25         26.73       4842.51       (0.93)       27.89       4841.58       (0.14)       27.32         24.56       4844.68       2.17       27.74       4841.73       0.15       27.24         18.65       4850.59       5.91       26.04       4843.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.71       4845.54       2.01       23.83       4845.64       0.07       20.40	21.42	4847.82	(2.95)	26.69	4842.78	(1.12)	26.90
26.73       4842.51       (0.93)       27.89       4841.58       (0.14)       27.32         24.56       4844.68       2.17       27.74       4841.73       0.15       27.24         18.65       4850.59       5.91       26.04       4843.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4843.86       (0.88)       23.30       4846.65       3.42       21.50         25.38       4843.86       (0.83)       23.30       4845.64       0.07       20.40         23.25       4845.94       2.01       23.83       4845.64       0.51       23.02	25.80	4843.44	(4.38)	27.75	4841.72	(1.06)	27.25
24.56       4844.68       2.17       27.74       4841.73       0.15       27.24         18.65       4850.59       5.91       26.04       483.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         26.71       4845.54       2.01       23.83       4845.64       0.07       20.40	26.73	4842.51	(0.93)	27.89	4841.58	(0.14)	27.32
18.65       4850.59       5.91       26.04       4843.43       1.70       25.88         18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         1       1       1       1       1       1       1       1	24.56	4844.68	2.17	27.74	4841.73	0.15	27.24
18.97       4850.27       (0.32)       25.96       4843.51       0.08       24.80         20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         1       1       1       1       1       1       1       1         23.70       4845.99       0.45       23.32       4846.15       0.51       23.02       1	18.65	4850.59	5.91	26.04	4843.43	1.70	25.88
20.54       4848.70       (1.57)       26.44       4843.03       (0.48)       26.68         20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         1       1       1       1       1       1       1         1       1       1       1       1       1       1         23.70       4845.54       2.01       23.32       4846.15       0.51       23.02         1       1       1 <td>18.97</td> <td>4850.27</td> <td>(0.32)</td> <td>25.96</td> <td>4843.51</td> <td>0.08</td> <td>24.80</td>	18.97	4850.27	(0.32)	25.96	4843.51	0.08	24.80
20.94       4848.30       (0.40)       26.79       4842.68       (0.35)       26.85         16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         21.50       23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         23.02       24.845.99       0.45       23.32       4846.15       0.51       23.02         24.25       4845.99       0.45       24.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94       9.94	20.54	4848.70	(1.57)	26.44	4843.03	(0.48)	26.68
16.68       4852.56       4.26       24.88       4844.59       1.91       26.12         23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         25.71       4845.99       0.45       23.32       4846.15       0.51       23.02         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         24.25       24.25       24.25       24.25       24.25       24.25       24.25       24.25         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02       24.25         24.25       24.25       24.25       24.25       24.25       24.25	20.94	4848.30	(0.40)	26.79	4842.68	(0.35)	26.85
23.55       4845.69       (6.87)       27.09       4842.38       (2.21)       26.91         24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4843.53       (0.33)       23.90       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4846.15       0.51       23.02         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02         24.25       4845.99       0.45       23.32       4846.15       0.51       23.02         24.25       4845.99       0.45       23.32       4846.15       0.51       23.02         25.25       4845.99       0.45       23.15       23.15       23.15       23.15       23.15         24.25       4845.99       0.45       23.12       4846.15       0.51       23.	16.68	4852.56	4.26	24.88	4844.59	1.91	26.12
24.25       4844.99       (0.70)       26.24       4843.23       0.85       20.72         24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4843.53       (0.33)       23.90       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02	23.55	4845.69	(6.87)	27.09	4842.38	(2.21)	26.91
24.50       4844.74       (0.25)       22.82       4846.65       3.42       21.50         25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4843.53       (0.33)       23.90       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02	24.25	4844.99	(0.70)	26.24	4843.23	0.85	20.72
25.38       4843.86       (0.88)       23.30       4846.17       (0.48)       22.50         25.71       4843.53       (0.33)       23.90       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02	24.50	4844.74	(0.25)	22.82	4846.65	3.42	21.50
25.71       4843.53       (0.33)       23.90       4845.57       (0.60)       23.15         23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02	25.38	4843.86	(0.88)	23.30	4846.17	(0.48)	22.50
23.70       4845.54       2.01       23.83       4845.64       0.07       20.40         23.25       4845.99       0.45       23.32       4846.15       0.51       23.02	25.71	4843.53	(0.33)	23.90	4845.57	(0.60)	23.15
23.25       4845.99       0.45       23.32       4846.15       0.51       23.02	23.70	4845.54	2.01	23.83	4845.64	0.07	20.40
Image: sector	23.25	4845.99	0.45	23.32	4846.15	0.51	23.02
Image: Sector							
Image: Sector							
Image: Constraint of the second se							
Image: Constraint of the second se							

MW-Z7	
4868.39	
Water Surface Elevation (ft)	Change (ft)

4841.54	
4841.51	(0.03)
4841.45	(0.06)
4842.39	0.94
1011.00	(0.50)
4841.89	(0.50)
1813 60	1 70
-0-5.00	1.10

4847.99	4.31
4841.79	(6.20)
4841.49	(0.30)
4841.14	(0.35)
4841.07	(0.07)
4841.15	0.08
4842.51	1.36
4843.59	1.08
4841.71	(1.88)
4841.54	(0.17)
4842.27	0.73
4841.48	(0.79)
4847.67	6.19
4846.89	(0.78)
4845.89	(1.00)
4845.24	(0.65)
4847.99	2.75
4845.37	(2.62)

WAJ-25-75					
an th' sum The change		DIVISION OF W	ATED DESCI		REC
		3 Centennial Bldg., 13	13 Sherman St.	URCES	JUN 1 7 105
COPY OF ACCEPTED	-	Denver, Colorado 8	0203	,	
ON REQUEST.	STATE OF COLORADO		j'	AFI	FIDAVII
i	COUNTY OF	/d	{ SS		
÷			/	₩.	
		INT OF BENEFICIAL I	USE OF GROUND	WATER	
i		GISTRATION	CORD		
	PE	RMIT NUMBER 62	22-RF	LOCATION	I OF WELL
	Eugen al Illow			No II	
whose mayling	Lugent N. Delyn	<u>er</u>	County		· · · · · · · · · · · · · · · · · · ·
address is	190 Weld Co. Kd	23	SM	% of the	<u>NN</u> X, Section <u>13</u>
City Ft. La	pton CO	80621	т. т. 2		67 1- 6 PM
being duly swom up	on oath, deposes and says	that he (they) is (are)	the owner(s) of	the well desc	ribed hereon: the well is
	,	9-77	1.31		/
located as described	l above, at distances of 🛛 🖊	<b>500</b> feet from the	NORTH ON SOLTAL	ction lin <del>e</del> and	feet from the
Mest section 1	ine; water from this well wa	s first applied to a ben	eficial use for the	e purpose(s) de	escribed herein on the 👍
LEAST OF WEST	10 <b>22</b>		4 <b> </b>	Pop	
oay of <u>-1ey</u>	, 19 <b>0</b> _; the maximut	m sustainea pumping ra	te of the well is _	gallo	nsperminute, the pumping. •
rate claimed hereby	is <u>400</u> gallons per n	ninute; the total depth (	of the well is 🗹	) feet;	the average annual amount
of water to be divert	ed is <u>325</u> acre-feet;	; for which claim is her	eby made for	Irrig	ation
	purpose	e(s); the legal description	on of the land on	which the wate	er from this well is used is
130 Acres in	the NWH of S	ac 13 T2N	R 67 N-	6 PM.	of which
<u>130</u> acres are i compliance with the (they) has (have) red	rrigated and which is illustra permit approved therefor; th ad the statements made herea	ated on the map on the is statement of benefic on: knows the content t	reverse side of th ial use of ground hereof: and that t	iis form; that water is filed he same are tr	this well was completed in in compliance with law; he ue of his (their) knowlødge.
(	(COMP	LETE REVERSE SIDE	OF THIS FORM	)	
Signature(s)	1. Warne	• ·	· · · · · · · · · · · ·		
Subscribed offd swor	n da i			FOR OFF	ICE USE ONLY
to be for this	16th day of fun	ch. , 19 8-	2		
My Commission	Fr. Der 15 1984		Court C	ase No	
	The Internet	SA. d	- Prior	м	ο Οσγ Υτ.
<b></b>	artin Allogueson	Kat			

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO PURSUANT TO THE FOLLOWING CONDITIONS:

Court Case No.
Prior Mo Only Yr.
Div Cty, cty.
Sec%,%,%,%
Well Use
Dist Basin Man. Dis,

DATE

ΡY

Form	1 3.1 /2014		S. Platte R 810 9 <sup>th</sup> Stre	i <b>ver – D</b> i et, 2 <sup>nd</sup> F	i <b>vision</b> loor, Gre	1 970 eeley, CO 8	0-352-8712 0631	Fax 9	70-392-1	<sup>816</sup> Irl	Fo K	or Offic	e Use Onl	у		
03/01	/2014		810 9 <sup>th</sup> Stre	<b>ו River -</b> et, 2 <sup>nd</sup> Fl	- Divisio loor, Gre	o <b>n 1</b> 97 eeley, CO 84	70-352-8712 0631	Fax 9	970-392-1	<sup>816</sup> Di	vision	ofW	/ater			
	rada D	ivision of	Arkansas I 310 F Abri	River – E endo Su	Division	12 719	9-542-3368 31004	Fax 7	19-544-0	800 <b>R</b>	esouro	es				
Wate	r Reso	urces	Rio Grand	e River -	- Divisio	on 3 71	9-589-6683	Fax 7	19-589-6	685 <b>R</b>	eceive	d 4/1	1/2016			
www.w	ater.stat	e.co.us	P.O. Box 2 Designate	59, 301 M <b>Basins</b>	/lurphy   5 – Divis	Drive, Alam s <b>ion 8</b> 303	10sa, CO 8110 3-866-3581	1 Fax 3	303-866-2	223 02						
			1313 Sherr	nan St. F	Rm. 818	, Denver, C	O 80237				L	JPasse				
		NOTICE	OF TO	TAL	IZIN	G FLC		ER			C	∃Varian	ce Approved			
RE-	VER	IFICATI	ON, IN:	SIAL	LAI	ION O	R REPL	.AC	ENE		Date of va	riance _				
	k appro	priate box	noo with Pu	0 16 5	of tho I		orning the M	22611	omonto	F Tributa	ry Group	d Wata		s in the		
Repu	blican l	River Basin	(Complete	pages	1-6)	Aules Gov	enning the Me	easui	ement o	mbula	ry Gloun	uvvale		SIII IIIE		
	be file	d in Complia	nce with Ru	les 3.1	of the A	Amended I	Rules Govern	ning th	ne Meas	urement	of Tribut	ary Gro	ound Water			
	ons in be file	the <b>Arkansa</b> t in Complia	nce with Ru	sin (Co	f the R	e pages 1-	• <b>5)</b> rning the Mea	asure	ment of	Tributan	Ground	Water	Diversions	in the		
Rio G	rande l	River Basin	(Complete	pages	1-5)		ining the Met	aouro		moatary	Clound	mater	Biverbioliti			
	be file	d in Complia	nce with th	e Grour	d Wate	er Commis	sion Rules G	overr	ning <b>Des</b>	ignated	Basins	(Comp	lete pages	1-5)		
	o be file outh Pla	atte River B	nce with Ru asin (Comr	le 3.1 0 lete pa	t the R aes 1-	ules Gove 5)	rning the Mea	asure	ment of	Iributary	/ Ground	vvater	Diversions	in the		
Reas	on for r	neter verifi	cation (Che	ck all t	hat ap	ply):										
	Re-Ve	ify Previously	Verified TFM				The followin	ig MU	ST be pro	ovided fo	or new & r	eplace	dmeters			
	New T	- M (No previo	us meter)				D	ate No	ew TFM ir	nstalled:						
	Replac	ing Previous	FFM (also cor	nplete ar	rea at riç	ght)	Date F	Previo	us TFM re	emoved:						
	Previo	ıs TFM Serial	No.:				Previous T re	FM Re	eading(E d if not rea	Estimate adable):						
	Chang	e in Measuren	nent Method	rom:	Н	our	Slave	Slave Power Co Previous Meter Sl								
					M	eter	Meter	Meter Meter								
	Regist	er seal replace	d due to:		New S	Leal No.	Old Seal N	о.	TFM R	eading	K-Factor (Test req'd. if changed			ged)		
	(Senso	r) (meter) sea	I replaced du	a to:	New S	eal No	Old Seal N	0	TEM R	eading						
	(001130	r) (meter) sea		5 10.	INEW C	earno.		0.		eaung						
Cont	act Infe	ormation:														
WellC	Owner						User (if not	same	e as well	owner)	_					
Name	E	ugene J	& Shir	ley A	. Wa	gner	Name				Same	Э				
Mailin	g Addre	<sup>ss</sup> 99	90 Cou	nty R	load	23	Mailing Add	ress								
City	F	ort Lup	ton	State CO	Z	ip 80621	City						State	Zip		
Phone	720	849_83	80 Email				Phone Email									
				ide De	emaid bl	and/ar			o if r = 1		 viete -r i		(00)			
	normal	ion and LO		nue Fe	IIIIIU ING	s, anu/or i	CASE OF DEC	iee n	0. 11 110	GD (CP	S Coord	is not i (LITM	meters N/	D 83)		
										Nor	thing	Eas	ting	Zone		
WDID		Permit No.	Case	or Decr	ee No.	Locatio	n (1⁄4,1⁄4, Sec.,	T., R.	, PM)		Ū		0	(12/13)		
0205	5084	6222	RR <sup>02</sup>	2CW3	35	SWNW,	, 13 <u>,</u> 02N, 6	67W	, 6 PM	4443	3311	5	13175	13		
			W2	798												
			840	:W28	8											
Powe	er Sup	bly	DW	R		•										
Electi	ric								*****							
Provid	de the t	ollowing fo	r all wells v	vith ele	ctric p	ower:	1									
Power	<sup>·</sup> Compa United	any Name d <b>Power</b>	Powe	r Compa 151	iny Serv 1936(	ice No. )	Meter Manu	ufactu elsi	rer : <b>er</b>		Manufa	acturer <sup>*</sup> 17	s Serial No 300080			
Power rotating	Compan g and lea	y Meter Read ding zeroes):	ing on Date o	f Test (ir 740	icluding 25	all	Multiplier	1			Numbe	er of Ro	otating Digit 5	s:		
Uses	on powe	er company	meter:				l				I					
Does '	the sam	e Power Co	mpany Mete	er serve	other	devices, in	cluding other	wells	/pumps′	? If yes,	describe	e systei	n.			
		Yes					Surface \	vate	r Pump	1						

п

Installed TFM I	nformation												
Manufacturer		McCron	nete	r		Model No. MD310	-850ov	3 Meter G	PS Coordinates				
-	Serial No.					Reading on Test Da	ite	(NAD83 l	JTM Zone 13N)				
Sensor/Meter		05-10-	134	0		0009.483		Northing	: 4443307				
Register							Easting:	513021					
Provide sensor seri	al number ONL	Y if meter has	s a re	emote readout	. Provid	e BOTH sensor and meter	er serial n	umber only if di	fferent.				
Beginning Remote Do these readings	Reading: match the insta	alled TFM rea	T Iding	ime: s?        Yes	No	Ending Remote Readi If no, explain:	ng:		Time:				
Meter Type F	Propeller	Meter Size	9	10		Multiplier X.0	01	No. of reco	ording digits 7				
Meter Units													
AcreFeet													
Meter Orientati	ion			Diame	eters o	f Straight Pipe	D	iameter of D	ischarge Pipe				
				Upstrea	am	Downstream		ID	OD				
Horizontal				9.5		2		9.73	10				
Is the meter ins	talled to mai	nufacturer	s sp		?	No Ifr	no, expl	ain: Inadequa	ate upstream straightrun				
Test Meter Info	ormation								นเรเลทงษ				
Test Meter Mar	nufacturer: Fuji			Test Meter	r Serial <sub>A3B</sub>	Number: 4948T	Date c	of Last Calibra 10/0	ation: 7/15				
Meter Orientati	ion Pipe W	/all Thickne	ess	Diame	eters o	f Straight Pipe	D	iameter of D	ischarge Pipe				
	@ test si	ite		Upstrea	am	Downstream		ID	OD				
Horizontal		0.17		1.3		6		9.66	10				
Verification of Ins	stalled Meter	(if more tha	n or	e meter teste	ed for s	ame discharge, show a	all tests.	Use second s	heet if necessary):				
Date of Test:	/20/16 Ti	me of Test (	Beg	in): 1.01	Lengt	h of time pump has be	een	00	:15				
03/	129/10			1.04	runni	ng prior to Tester's ar	rival:	(HH:	MM)				
Test N	Aeter Calculat	tions (Show		Work)		Installed Me	ter Calcu	lations (Show	v All Work)				
Collins Meter		Stop Clan		tting.		US installed upstream of TI	-M. 1-15+	minute test perfor	med in sync with TFM.				
FUJI Transducer Spa	acing In Inches-		np se	7.676		A. Installed Meter	er Beginni	ng Reading	9.511				
US installed upstrea	m of TFM. 1-15+	minute test pe	rform	ed in sync with T	FM.	C. Installed Mete	r Total	(B - A)	9.382				
A. Test Meter B	Beginning Gallor	าร		0.00		D. Installed Meter 1	Total Gallo	ns *if AF (C * 325	851)- 23,135.42				
B. Test Meter E	Ending Gallons-			9,471.90		E. Elapsed Time 37 Minutes 3 Seconds F. Decimal Minutes 37.05							
C. Test Meter	Total Gallons	(B - A)		9,471.90		QI = Installed Meter GPM (D / F) 624.44							
D. Elapsed Tim	e 15	Minutes	15	Seconds		ତ୍ତି A. Installed Met	ter Beginn	ing Reading					
E. Decimal Min	utes 1	5.25		621 11	ר ו	B. Installed Mete	r Ending F	Reading (AF)					
GT – Test Meter F		 		021.11		D. Installed Meter	r Total AF Fotal Gallo	(В - А) ns *if AF (С * 325	 851)-				
B Test Meter F						E. Elapsed Time		Minutes	s Seconds				
C. Test Meter	Total Gallons	(B - A)				· F. Decimal Minut 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이	es eter GPM	(D / F)					
D. Elapsed Time	e	Minutes		Seconds	-	G A. Installed Meter	r Beginnir	g Reading (AF)					
ਦ E. Decimal Min	utes				1	B. Installed Meter	- Ending F	Reading (AF)					
	er GPM (C / E)	)S			<u> </u>	C. Installed Meter	Total AF	(B - A)					
0 0 0 0 8 Test Meter F	nding Gallons					E. Elapsed Time-		Minutes	Seconds				
C. Test Meter 1	Fotal Gallons	(B - A)				F. Decimal Minute	es						
🗄 D. Elapsed Time	9	Minutes		Seconds		Existing K-factor	ter GPIVI	(D / F)					
E. Decimal Minu	utes				ין ר	Adjusted K-factor							
(Show Q to the nea	arest 0.00 GPM	) Avg QT:		621.11		Flow rate with Collins tul (Show Q to the nearest (	be remov <b>0.00 GPM</b>	ed: I) Avg QI:	624.44				
Correction		621.1	1		I			Colliburation	Soofficient must be				
$\begin{bmatrix} correction \\ Eactor \end{bmatrix} = \begin{bmatrix} a \\ b \end{bmatrix}$			•	=	=	0.995			Demicient must be				
	AVG <b>QI</b>	624.4	4	-	_			SHOWH TO THE					

Colorado Division of Water Resources

If Correction Factor is:	Div. 1, Div. 2 and Republican Rive	ər	Div. 3 Correction Factor Policies					
0.950 to 1.050	The installed TFM is in accurate workin	g condition	. No Request for Variance is required.					
0.920 to <sub>OR</sub> 1.051 to 0.949 1.080	Test will be valid for a maximum years. The Variance Request to Use Correct Factor portion of this Form must be completed and signed by the Owne *Note: A Correction Factor will be a to determine diversions.	<b>of four</b> ection r/User. applied	<ul> <li>May grant a request for a variance to allow the use of a Correction Factor.</li> <li>Test will be valid for one year from the date of the test. A variance will be allowed for a maximum of three years, after which the TFM must be repaired or replaced AND a new Test conducted. That Test must confirm an accuracy within ±5.0%.</li> <li>The Variance Request to Use Correction Factor for TFM portion of this Form must be completed and signed by the Owner/User.</li> <li>*Note: A Correction Factor will be applied to determine diversions.</li> </ul>					
0.900 to <sub>OR</sub> 1.081 to 0.919 1.100	Test will be valid for one year onl later than one year from the date of the installed TFM must be repaired replaced AND a new test conducted confirms an accuracy of within ±5.0 The Variance Request to Use Corre Factor portion of this Form must be completed and signed by the Owne *Note: A Correction Factor will be a to determine diversions.	y. No this Test or d that %. ection r/User. applied	<b>Test will be rejected</b> and the installed TFM must be repaired or replaced AND a new Test conducted. The second Test must confirm an accuracy of within ±5.0%. If TFM fails test and is re-calibrated (k-factor modified), show failed Test, indicate below k-factor before and after, AND show new test on additional duplicate page (include failed and passed test page 3).					
<0.900 OR >1.100	Test will be <b>rejected</b> and the installed T	rFM must b	e repaired or replaced AND a new Test conducted.					
Uses through this totalizing	) flow meter:							
Does well have multiple di No	scharges measured through TFM?	<u>lf ves, chec</u> Open	ck all that apply:					
Use this space to describ Well pumped into a cisterr	e all discharges n that was then pumped to flood irriga	te fields.						
Meter Testing:								
How was the well/meter te	sted with test equipment (open discha	arge, press	sure, or more than one way)?					
Show information in deta	iled sketch on next page or as an a	attachmer	nt					
US installed upstream of T	FM. 1-15+ minute test performed in s	sync with <sup>-</sup>	TFM.					

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### Detailed Sketch:

Show total system from pump to discharge, other pumps in the same well, and electrical system including other devices on the same meter. Show where test meter and pressure gauge were placed and how system was modified to perform test. Show measurements. In addition to sketch, an attached photograph is recommended.



Detailed description of system under normal operating conditions. (Example: One well pumps to two sprinklers. Each sprinkler has an end gun that operates when the sprinkler is operating.) Include number of irrigated acres. Well pumped into a cistern that was then pumped to flood irrigate fields.

Tester Veri	fication							
I, the unders Governing th Totalizing Fl advised the	igned, state that I am currently a person ap ne Measurement of Ground Water Diversior ow Meter to either be in accurate working co Owner/User to complete the Variance Requ	proved by the State Engineer to conduct well tests pursuant to the Rules is as indicated on page 1 of this form. I have determined the installed ondition as defined by the Rules indicated on page 1 of this form <b>OR</b> have lest below of this form.						
l understand minus 5% of and/or condi	I that "accurate working condition" is determ <sup>7</sup> an independent field measurement made u tion of a Totalizing,Flow Meter can subject.	nined when the indicated flow through the Installed Meter is within plus or using Calibrated Test Equipment. I understand that falsifying the accuracy me to a fine of up to \$500.00.						
Signature of	Tester:	Date <u>3/29/16</u>						
Tester Nam	e, Company, Phone, Email							
Name: Kyle	e Liebig	Company Name: Adaptive Resources, Inc.						
Phone: 970	)-370-2481	Email: kyle@ari-water.com						
VARIANCE I request a \ Correction F damaged or I understand Division of V repaired/rep	<b>REQUEST TO ALLOW A CORRECTION I</b> /ariance to allow the use of the Correction F factor for a Totalizing Flow Meter (TFM) if th modified by the owner and/or user of the w I that the Correction Factor as computed by Vater Resources and that final Correction Fa laced and/or a new test conducted for this V	FACTOR To be used when calculating use with the installed TFM: Factor. I understand that a Variance WILL NOT be issued to allow a the inaccuracy is due to the TFM or appurtenances being intentionally rell/meter. If the above Qualified Well Tester will be verified by or revised by the actor will be applied to ALL use records until the TFM is Well.						
l understanc	and agree to the required conditions of the	e variance as indicated below:						
Division 1	, Division 2 or Republican River Basi	in (Check only one)						
	Correction Factor is between 0.920 to 0.949 c Correction Factor will be applied to determine d	liversions from the well.						
	If Correction Factor is between 0.900 to 0.919 c No later than one year from the date of this Tes	or is between 1.081 to 1.100, the Test will be valid one year. t, a new Measurement Test must be conducted and the accuracy of the new Test must						
	be within $\pm 5.0\%$ .	ing diversions from the well						
	I ne Correction Factor will be applied to determ Further, I acknowledge that repair and/or replac	ement of this Meter and/or portions of the Discharge						
<b>D</b>	System is required within that one year AND I a	gree to make the necessary changes within that time.						
	If Correction Factor is between 0.920 to 0.949 of	or 1.051 to 1.080, and Division 3 approves this Variance Request, the Test will be valid						
	If Correction Factor is between 0.920 to 0.949 or 1.051 to 1.080, and Division 3 approves this variance request, the rest will be value for no more than one year. A new variance including new correction factor computed by a Qualified Well Tester shall be required each year thereafter. A variance will only be allowed for TFM for a maximum of three years. After three years the TFM must be repaired or replaced and working within the required ± 5%. The Correction Factor will be applied to determine diversions from the well.							
For Elect Transformer	rically Powered Wells/Pumps, I agree to the relea r Factor (Ct), Voltage/Potential Transformer Facto by my electric supplier for the purposes	ase of information pertaining to my Electric Service and Use, including Current or (Pt) and Electric Meter Readings, to the Colorado Division of Water Resources of determining or verifying Water Use from the Well/Pump.						
The above i Flow Meter TFM, I agre	information is true to the best of my knowled can subject me to a fine of up to \$500.00. e to such Variance.	dge. I understand that falsifying the accuracy and/or condition of a Totalizing If any Variance is requested on my behalf to apply a Correction Factor to my						
I am the 🏾	Well Owner OR UVell User							
Signature of	f Well Owner/User <u>Eugene</u> W	anger Superior Date 3/29/16						
Print Name	of Well Owner/User <u>Engene</u>	Vagaer-Shhrley Wagaen						

	<b>DNR</b>	Division Department	of Watur	ter Re	O esourc	ces	h	FOR/	M 3.1. /wate	/3.2 WELL r.state.co	L MI	EASUREMEI /groundwat	NT VE er/GV	RIFICATION F	FORM-VE ndMeasu	ER. 07/01/ Irement	/20					
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Removed Meter Serial No: Removed Register Serial												No.:		Prev	ν. TFM:	Readi	ng	Estimate				
NEW ME	NEW METER INFORMATION																					
Manufa	Manufacturer: MCCROMETER Model: MD310-8500V3 Multiplier: .001 No. Digits: 7 Initial TFM Reading:																					
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Meter S	erial No	<b>:</b>	05-1	0-134	40		Reg	gister	Seria	l No.:					K-Facto	or (if adj	usted	):				
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GPM Fa	ctor:		Stop	Clan	np Se	ettings	5:		0.10				Tota	lizer Readings	Elaps	ed Time	Inst	antaneous (g	pm) (Min. 10)			
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Back	:											Start:		26 2090	0	: 0.00	-					
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Date of Well Test: 08/19/2020

Test Meter Serial No.:

N9H1115T

**TONY CURE** 

Tester Name:

### COMMENTS:



COLORADO

# Division of Water ResourcesWELL GPS 513171E, 4443304N, METER GPS 513018E, 4443304N. METER CERTIFIED ON<br/>OPEN DISCHARGE. WELL DISCHARGES IN THE DITCH WEST OF THE PUMP.

