

# COGCC Bradenhead Testing

Data Collection & Reporting

| rockwood |

# Introductions



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# The Issue

## REQUIREMENTS

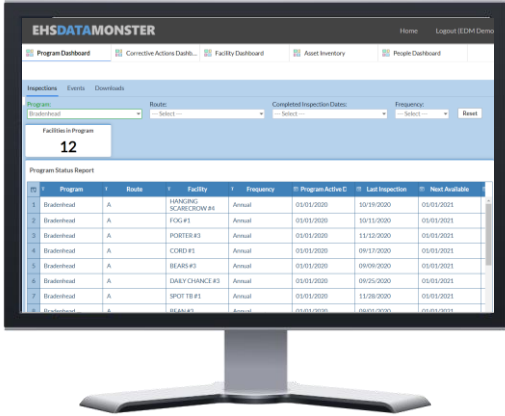
- COGCC requires operators to conduct annual Bradenhead Pressure Tests on Colorado wells
- Results of these tests must be submitted to COGCC
- Those wells in designated areas or tests with surface pressure over threshold must include full Form 17 data

## CHALLENGES

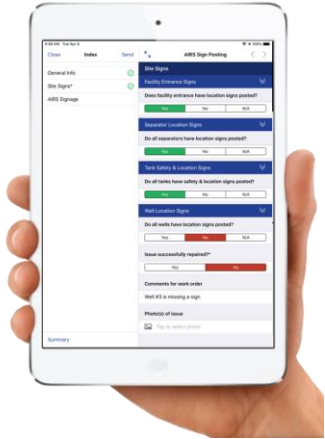
- Collecting pressure tests on paper requires **time-consuming** data entry, introduces potential **errors**, and does not provide **visibility** to program status
- Each test had to be **individually entered** into a web form for upload to COGCC

# The Integrated Solution

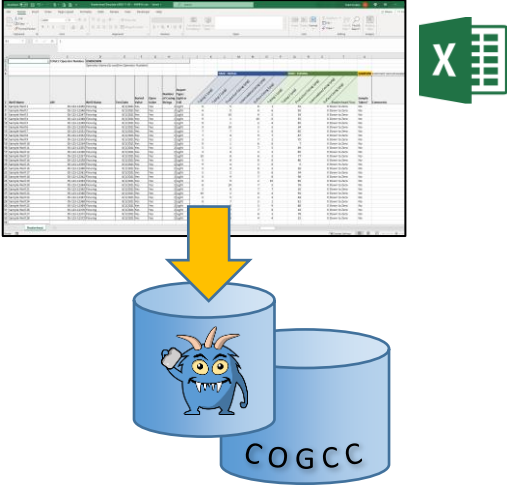
## PROGRAM MANAGEMENT



## FIELD DATA COLLECTION



## BULK UPLOAD



# Program Management

**EHSDataMonster** Home Logout (EDM Demo)

Program Dashboard Corrective Actions Dashb... Facility Dashboard Asset Inventory People Dashboard

Inspections Events Downloads

Program: Bradenhead Route: --- Select --- Completed Inspection Dates: --- Select --- Frequency: --- Select --- Reset

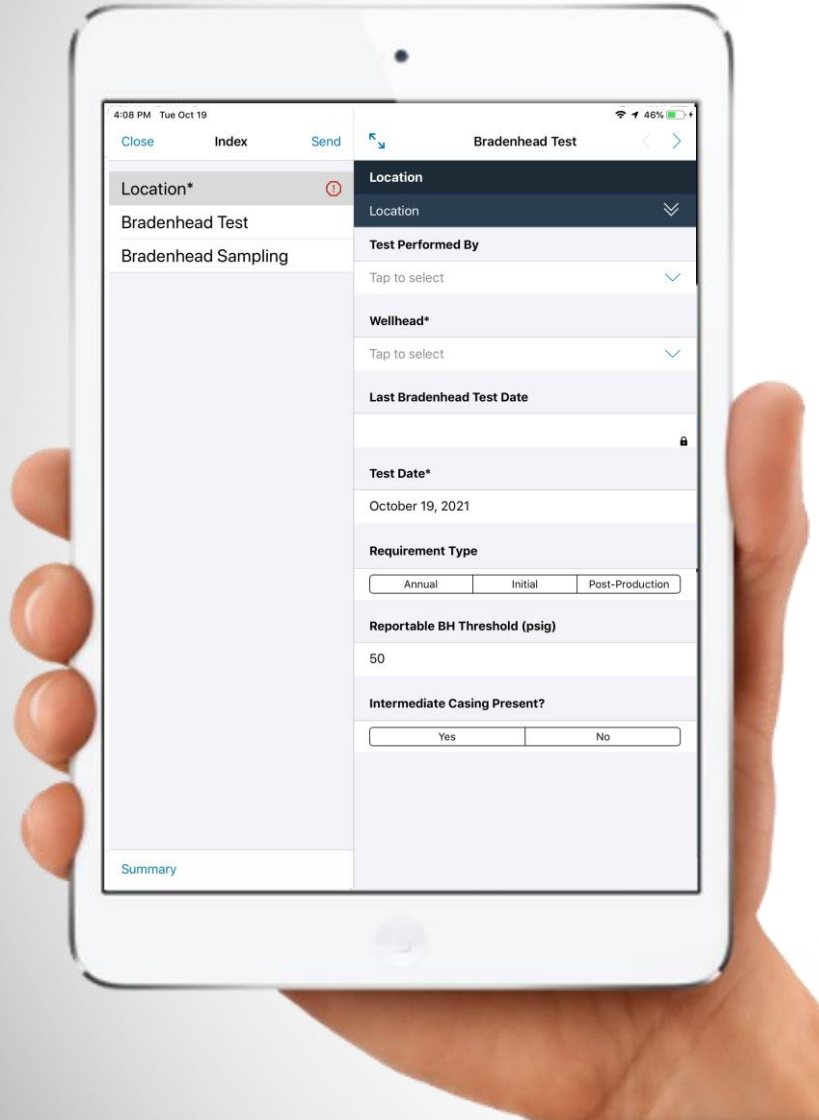
Facilities in Program  
**12**

Program Status Report

	Program	Route	Facility	Frequency	Program Active D	Last Inspection	Next Available
1	Bradenhead	A	HANGING SCARECROW #4	Annual	01/01/2020	10/19/2020	01/01/2021
2	Bradenhead	A	FOG #1	Annual	01/01/2020	10/11/2020	01/01/2021
3	Bradenhead	A	PORTER #3	Annual	01/01/2020	11/12/2020	01/01/2021
4	Bradenhead	A	CORD #1	Annual	01/01/2020	09/17/2020	01/01/2021
5	Bradenhead	A	BEARS #3	Annual	01/01/2020	09/09/2020	01/01/2021
6	Bradenhead	A	DAILY CHANCE #3	Annual	01/01/2020	09/25/2020	01/01/2021
7	Bradenhead	A	SPOT TB #1	Annual	01/01/2020	11/28/2020	01/01/2021
8	Bradenhead	A	BEAN #3	Annual	01/01/2020	08/01/2020	01/01/2021

- Tracks applicable wells or facilities for each compliance program
- Calculates due dates for tasks based on applicable frequency
- Allows program manager to visualize program status and access all data
- Send alerts for upcoming tasks

# Field Data Collections



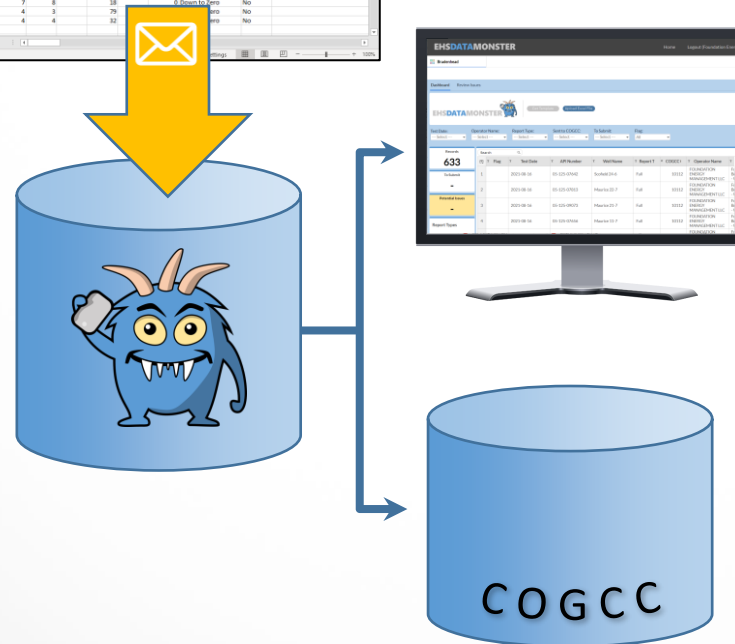
- Off-line functionality requires no internet connectivity during inspection
- Simple installation and easy to navigate
- Conditional question threading and requirements & repeating sections makes it easy for us to guide inspector for full compliance
- Operates on iOS (iPhone/iPad) and Android Devices

# Bulk Upload

Well Name	API	Well Status	Test Date	Barbed	Open Valve	Number of Castings	Report Type	TIME: INITIAL	TIME: ENDING	SAMPLE	Comments			
Sample Well 1	05-123-12340	Flowing	8/2/2023	Yes	Yes	2	Light	0	3	32	0 Down to Zero	No		
Sample Well 2	05-123-12340	Flowing	8/2/2023	Yes	Yes	4	Light	4	9	44	0 Down to Zero	No		
Sample Well 3	05-123-12340	Flowing	8/2/2023	Yes	Yes	6	Light	10	4	34	0 Down to Zero	No		
Sample Well 4	05-123-12340	Flowing	8/2/2023	Yes	Yes	9	Light	1	10	35	0 Down to Zero	No		
Sample Well 5	05-123-12340	Flowing	8/2/2023	Yes	Yes	9	Light	1	4	60	0 Down to Zero	No		
Sample Well 6	05-123-12340	Flowing	8/2/2023	Yes	Yes	10	Light	3	5	54	0 Down to Zero	No		
Sample Well 7	05-123-12340	Flowing	8/2/2023	Yes	Yes	7	Light	7	1	60	0 Down to Zero	No		
Sample Well 8	05-123-12340	Flowing	8/2/2023	Yes	Yes	7	Light	4	9	87	0 Down to Zero	No		
Sample Well 9	05-123-12340	Flowing	8/2/2023	Yes	Yes	3	Light	1	7	75	0 Down to Zero	No		
Sample Well 10	05-123-12340	Flowing	8/2/2023	Yes	Yes	9	Light	1	6	7	0 Down to Zero	No		
Sample Well 11	05-123-12340	Flowing	8/2/2023	Yes	Yes	1	Light	1	7	49	0 Down to Zero	No		
Sample Well 12	05-123-12340	Flowing	8/2/2023	Yes	Yes	2	Light	4	2	65	0 Down to Zero	No		
Sample Well 13	05-123-12340	Flowing	8/2/2023	Yes	Yes	10	Light	6	3	77	0 Down to Zero	No		
Sample Well 14	05-123-12340	Flowing	8/2/2023	Yes	Yes	5	Light	6	6	86	0 Down to Zero	No		
Sample Well 15	05-123-12340	Flowing	8/2/2023	Yes	Yes	9	Light	4	2	9	0 Down to Zero	No		
Sample Well 16	05-123-12340	Flowing	8/2/2023	Yes	Yes	5	Light	6	3	26	0 Down to Zero	No		
Sample Well 17	05-123-12340	Flowing	8/2/2023	Yes	Yes	5	Light	3	6	34	0 Down to Zero	No		
Sample Well 18	05-123-12340	Flowing	8/2/2023	Yes	Yes	0	Light	0	9	7	8	18	0 Down to Zero	No
Sample Well 19	05-123-12340	Flowing	8/2/2023	Yes	Yes	0	Light	0	9	30	85	0 Down to Zero	No	
Sample Well 20	05-123-12340	Flowing	8/2/2023	Yes	Yes	7	Light	7	5	79	0 Down to Zero	No		
Sample Well 21	05-123-12340	Flowing	8/2/2023	Yes	Yes	2	Light	6	7	7	10	0 Down to Zero	No	
Sample Well 22	05-123-12340	Flowing	8/2/2023	Yes	Yes	10	Light	6	4	94	0 Down to Zero	No		
Sample Well 23	05-123-12340	Flowing	8/2/2023	Yes	Yes	5	Light	5	3	9	44	0 Down to Zero	No	
Sample Well 24	05-123-12340	Flowing	8/2/2023	Yes	Yes	6	Light	7	3	1	81	0 Down to Zero	No	
Sample Well 25	05-123-12340	Flowing	8/2/2023	Yes	Yes	1	Light	1	3	9	68	0 Down to Zero	No	
Sample Well 26	05-123-12340	Flowing	8/2/2023	Yes	Yes	7	Light	7	7	6	18	0 Down to Zero	No	
Sample Well 27	05-123-12340	Flowing	8/2/2023	Yes	Yes	8	Light	1	4	9	79	0 Down to Zero	No	
Sample Well 28	05-123-12340	Flowing	8/2/2023	Yes	Yes	3	Light	8	4	4	32	0 Down to Zero	No	

## Conditionally formatted Excel template

- Uploading of up to 10,000 test records at a time
- Can be populated directly from data warehouse or manually



## Excel sheet processed to allow web dashboard review of data

- Identify potential data errors and duplicates

## Automatic delivery of test records to COGCC each week



# Questions?

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Open Forum

**EHS**DATAMONSTER

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