

Additional Information

Received: 7/13/2026

From: [Goetze, Phillip, EMNRD](#)
To: [Doug, Delilah, EMNRD](#)
Subject: 5 of 5 Forwarded Blackbuck - Resolve State SWD #1 - Updated C-108 Water Well Sampling Info
Date: Tuesday, July 14, 2026 2:09:08 PM
Attachments: [Blackbuck - Resolve State SWD #1 - Updated Water Well Info & Analysis.pdf](#)

Last one. Thanks. PRG

From: Nate Alleman <nate.alleman@aceadvisors.com>
Sent: Monday, July 13, 2026 5:53 AM
To: Harris, Anthony, EMNRD <Anthony.Harris@emnrd.nm.gov>
Cc: Goetze, Phillip, EMNRD <phillip.goetze@emnrd.nm.gov>; Sandoval, Stacy, EMNRD <Stacy.Sandoval@emnrd.nm.gov>
Subject: [EXTERNAL] Blackbuck - Resolve State SWD #1 - Updated C-108 Water Well Sampling Info

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Tony,

Attached is updated water well sampling information associated with Blackbuck's C-108 for the Resolve State SWD #1 (pSYS2605434916; SWD-2689) based on our continued water well owner contact efforts.

Discussions with water well owners indicated that all of the water wells identified in OSE data as being within the 1-mile sampling radius are no longer in use. OSE data indicated that records of two water wells were located close to but outside of the 1-mile sampling radius and since there were no water sampling candidates within the 1-mile radius, we expanded the radius to include these two water wells. For the two wells immediately outside the sampling radius, one water well was confirmed to be inactive and the other was determined to be active. The updated water well table (updated information in blue text) and map, as well as the lab report associated with analysis of a sample from the active water well are attached for your review and inclusion in the record.

Please let me know if you have any questions or need further information on the water sampling or C-108 itself.

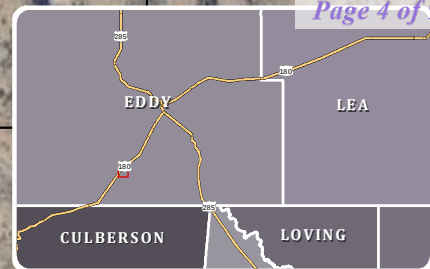
Regards,

Nate Alleman
Regulatory Advisor
Ace Energy Advisors
C. 918.237.0559
E. nate.alleman@aceadvisors.com

Water Well Sampling Table							
Water Well ID	OSE Status	Owner	Available Contact Information	Use	Latitude	Longitude	Notes
C-02331	Unknown	Farm Credit of NM FLCA	PO Box 1537, Roswell, NM 88202	Livestock Watering	32.1324	-104.4041	Landowner confirmed water well is not in use.
C-03458	Active	John A Ballard	80 Ballard Ranch Rd, Carlsbad, NM 88220	Domestic	32.1318	-104.4048	Water well sample collected 04/18/2019. Lab analysis attached.
C-01865	Unknown	John A Ballard	80 Ballard Ranch Rd, Carlsbad, NM 88220	Livestock Watering	32.1324	-104.4041	Landowner confirmed water well is not in use.
C-02997	Active	John A Ballard	80 Ballard Ranch Rd, Carlsbad, NM 88220	Livestock Watering	32.1343	-104.3719	Landowner confirmed water well is not in use.
C-03437-POD1	Pending	Berry Lucas	1412 Burgandy Road, Carlsbad, NM 88220	Livestock Watering	32.1475	-104.3801	Landowner confirmed water well is not in use.
C-03746-POD1	Expired Permit	Janice Lucas	PO Box 96, White City, NM 88268	Livestock Watering	32.1304	-104.3939	Landowner confirmed water well is not in use.
C-04255-POD1	Pending	John A Ballard	80 Ballard Ranch Rd, Carlsbad, NM 88220	Exploration	32.1326	-104.3791	Not a sample candidate based on use.
C-04615-POD1	Expired Permit	John A Ballard	80 Ballard Ranch Rd, Carlsbad, NM 88220	Livestock Watering	32.1327	-104.379	Landowner confirmed water well is not in use.
C-04723-POD1	Active	Berry Lucas	PO Box 96, White City, NM 88268	Livestock Watering	32.1309	-104.3934	Landowner confirmed water well is not in use.

WATER WELL MAP

SECTION 15, TOWNSHIP 25 SOUTH, RANGE 25 EAST, EDDY COUNTY, NEW MEXICO



1:18,000

0 1,000 2,000 3,000 Feet

Legend

-  Proposed SWD
-  1 Mile Buffer
- NMOSE Points of Diversion
-  Active
-  Pending
-  Changed Location of Well
-  Inactive
-  Capped
-  Plugged
-  Unknown

Resolve State SWD #1**OPERATOR: BLACKBUCK RESOURCES**

Project Managed By:
ACE
 Energy Advisors
 (918) 237-0559
 nate.alleman@aceadvisors.com

Map Prepared By:
COOSA
 CONSULTING
 (432) 631-4738
 info@coosaconsulting.com

Coordinate System:
 NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
 Projection: Transverse Mercator
 Datum: North American 1983
 False Easting: 541,337.5000
 False Northing: 0.0000
 Central Meridian: -104.3333
 Scale Factor: 0.9999
 Latitude Of Origin: 31.0000
 Units: Foot US





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Lowry Environmental		BILL TO		ANALYSIS REQUEST																					
Project Manager: Joel Lowry		P.O. #:																							
Address: PO Box 896		Company: Lowry Env																							
City: Lovington State: Zip: #		Attn: Joel Lowry																							
Phone #: 432-466-4450 Fax #:		Address: PO Box 896																							
Project #: Project Owner:		City:																							
Project Name: Lucas Ranch		State: Zip:																							
Project Location:		Phone #:																							
Sampler Name: Joel Lowry		Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021								
H901418																									
1	Lucas Home C-03458	6	1										4/16/14	11:50	X			X							
2	Lucas #1-1	1	1										↓	9:20	X			X							
3	Lucas #2-1	1	1										↓	6:45	X			X							

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Relinquished By:	Date:	Received By:	Phone Result:	☐ Yes ☐ No	Add'l Phone #:
Joel Lowry	4/16/14	Martha Turner	Fax Result:	☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:		
Martha Turner	4/19/18	Jodi Benson			
Delivered By: (Circle One)	Time:	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	10:20	Cool / Intact	(Initials)		
0.6% / #97	12:15	☒ Yes ☐ No	JH		

FORM-006 R 2.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 15, 2019

JOEL LOWRY

LOWRY ENVIROMENTAL & ASSOCIATES

PO BOX 296

LOVINGTON, NM 88260

RE: LUCAS SWD

Enclosed are the results of analyses for samples received by the laboratory on 04/08/19 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Coley D. Keene

Lab Director/Quality Manager



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Analytical Results For:

LOWRY ENVIROMENTAL & ASSOCIATES
 JOEL LOWRY
 PO BOX 296
 LOVINGTON NM, 88260
 Fax To:

Received: 04/08/2019
 Reported: 04/15/2019
 Project Name: LUCAS SWD
 Project Number: NONE GIVEN
 Project Location: EDDY CO NM

Sampling Date: 04/08/2019
 Sampling Type: Water
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: 2101 (H901273-01) C-03458

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	44.0	4.00	04/11/2019	ND	104	104	100	3.92		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	2010	5.00	04/15/2019	ND	506	96.0	527	2.08		

Sample ID: 0201 (H901273-02)

Chloride, SM4500CI-B		mg/L	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	36.0	4.00	04/11/2019	ND	104	104	100	3.92		
TDS 160.1		mg/L	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS*	2360	5.00	04/15/2019	ND	506	96.0	527	2.08		

Sample ID: 2201 (H901273-03)

Chloride, SM4500Cl-B		mg/L		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	252	4.00	04/11/2019	ND	104	104	100	3.92	
TDS 160.1		mg/L		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	4650	5.00	04/15/2019	ND	506	96.0	527	2.08	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Phone: (505) 476-3441

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Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 605694

CONDITIONS

Operator: NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE 1220 S St Francis Dr Santa Fe , NM 87504	OGRID: 264235
	Action Number: 605694
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
delilah.dougi	None	7/17/2026