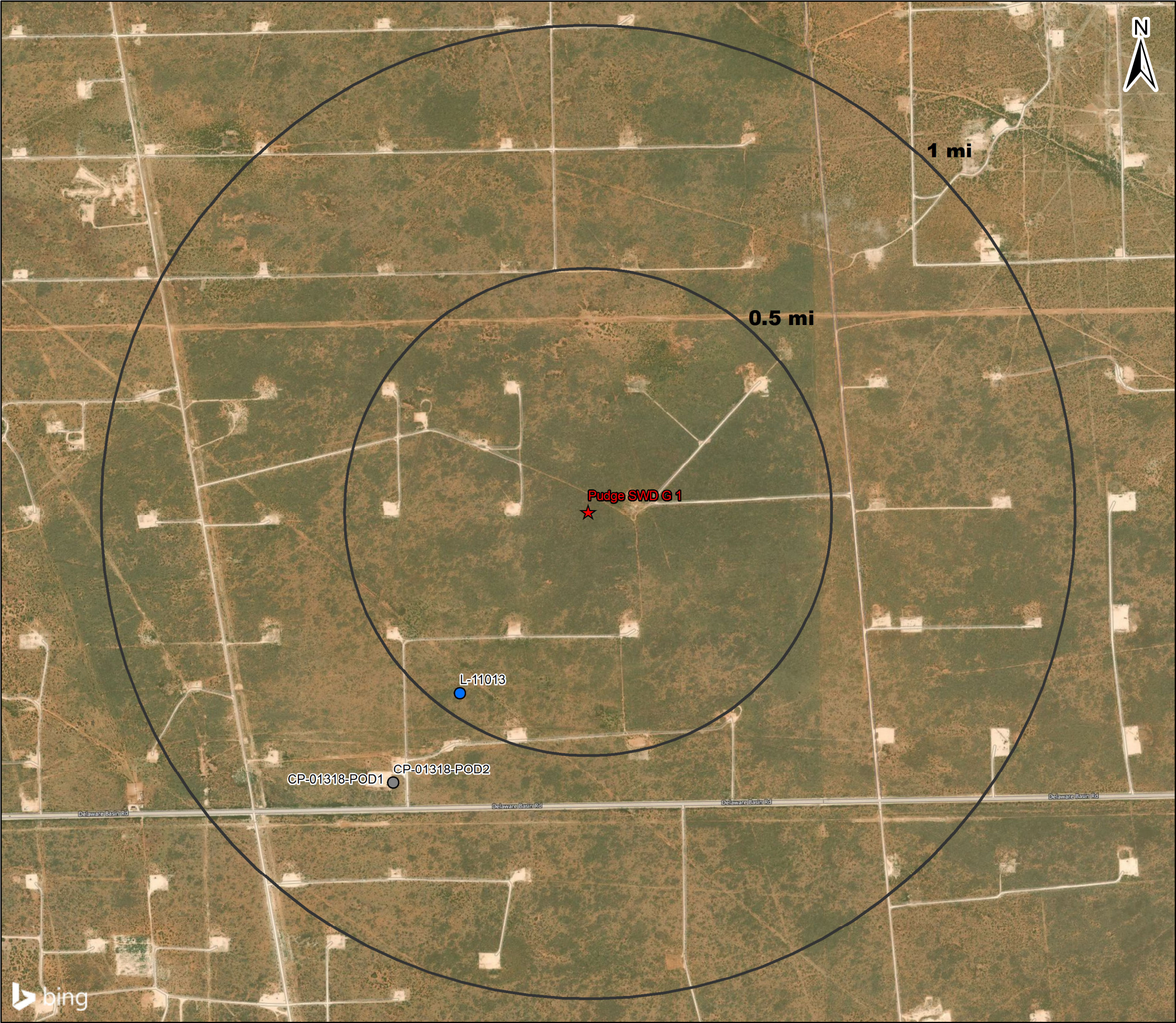


Application

Part *IV*

Attachment 5

Water Well Map and Well Data



Legend

★ Proposed SWD

NMOSE PODs

Status

● Active (2)

● Unknown (1)

Water Wells Area of Review

Pudge SWD G 1
LEA County, New Mexico

Proj Mgr: Dan Arthur	May 28, 2019	Mapped by: Ben Bockelmann
-------------------------	--------------	------------------------------

Prepared by:



Water Well Sampling Rationale						
Goodnight Midstream Permian, LLC - Pudge SWD G 1						
SWD	Water Wells	Owner	Available Contact Information	Use	Sampling Required	Notes
Pudge SWD G 1	CP-01318 POD 1	Dasco Cattle Co., LLC	Dasco Cattle Co., LLC Atlee Snyder Contact: 575-631-9438 & 575-391-0309	Commercial	Yes	Sampled on 6-12-2019. Results are shown below.
Pudge SWD G 1	CP-01318 POD 2	Dasco Cattle Co., LLC	Dasco Cattle Co., LLC Atlee Snyder Contact: 575-631-9438 & 575-391-0310	Commercial	Yes	Sampled on 6-12-2019. Results are shown below.
Pudge SWD G 1	L-11013	Dasco Cattle Co., LLC	Dasco Cattle Co., LLC Atlee Snyder Contact: 575-631-9438 & 575-391-0311	Livestock Watering/ Closed File	No	Transaction has been entered to close this file. This file is no longer in use. See file for CP-1318. Atlee Snyder was unaware of this well.



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

June 20, 2019

DAVID ALLEMAN

ALL CONSULTING, LLC

1718 S. CHEYENNE AVE.

TULSA, OK 74119

RE: DASCO CATTLE CO

Enclosed are the results of analyses for samples received by the laboratory on 06/13/19 8:15.

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:ALL CONSULTING, LLC
1718 S. CHEYENNE AVE.
TULSA OK, 74119Project: DASCO CATTLE CO
Project Number: 32.400000 / - 103.259722
Project Manager: DAVID ALLEMAN
Fax To: NAReported:
20-Jun-19 09:31

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CP - 01318 - POD # 1	H902049-01	Water	12-Jun-19 16:07	13-Jun-19 08:15
CP - 01318 - POD # 2	H902049-02	Water	12-Jun-19 16:17	13-Jun-19 08:15

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ALL CONSULTING, LLC
1718 S. CHEYENNE AVE.
TULSA OK, 74119

Project: DASCO CATTLE CO
Project Number: 32.400000 / - 103.259722
Project Manager: DAVID ALLEMAN
Fax To: NA

Reported:
20-Jun-19 09:31

CP - 01318 - POD # 1 H902049-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	234		5.00	mg/L	1	9061405	AC	14-Jun-19	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	9061405	AC	14-Jun-19	310.1	
Chloride*	16.0		4.00	mg/L	1	9061310	AC	18-Jun-19	4500-Cl-B	
Conductivity*	447		1.00	uS/cm	1	9061403	AC	14-Jun-19	120.1	
pH*	7.94		0.100	pH Units	1	9061403	AC	14-Jun-19	150.1	
Resistivity	22.4			Ohms/m	1	9061403	AC	14-Jun-19	120.1	
Sulfate*	40.6		10.0	mg/L	1	9061708	AC	17-Jun-19	375.4	
TDS*	346		5.00	mg/L	1	9061308	AC	14-Jun-19	160.1	
Alkalinity, Total*	192		4.00	mg/L	1	9061405	AC	14-Jun-19	310.1	
TSS*	<2.00		2.00	mg/L	1	9061207	AC	14-Jun-19	160.2	

Green Analytical Laboratories

Total Recoverable Metals by ICP (E200.7)

Barium*	<0.250		0.250	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Calcium*	35.1		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Hardness as CaCO3	135		3.31	mg/L	5	[CALC]	AES	19-Jun-19	2340 B	
Iron*	0.470		0.250	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Magnesium*	11.6		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Potassium*	<5.00		5.00	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Sodium*	48.0		5.00	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Strontium*	0.716		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ALL CONSULTING, LLC
1718 S. CHEYENNE AVE.
TULSA OK, 74119

Project: DASCO CATTLE CO
Project Number: 32.400000 / - 103.259722
Project Manager: DAVID ALLEMAN
Fax To: NA

Reported:
20-Jun-19 09:31

CP - 01318 - POD # 2

H902049-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	239		5.00	mg/L	1	9061405	AC	14-Jun-19	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	9061405	AC	14-Jun-19	310.1	
Chloride*	16.0		4.00	mg/L	1	9061310	AC	18-Jun-19	4500-Cl-B	
Conductivity*	449		1.00	uS/cm	1	9061403	AC	14-Jun-19	120.1	
pH*	7.94		0.100	pH Units	1	9061403	AC	14-Jun-19	150.1	
Resistivity	22.3			Ohms/m	1	9061403	AC	14-Jun-19	120.1	
Sulfate*	37.6		10.0	mg/L	1	9061708	AC	17-Jun-19	375.4	
TDS*	321		5.00	mg/L	1	9061308	AC	14-Jun-19	160.1	
Alkalinity, Total*	196		4.00	mg/L	1	9061405	AC	14-Jun-19	310.1	
TSS*	<2.00		2.00	mg/L	1	9061207	AC	14-Jun-19	160.2	

Green Analytical Laboratories

Total Recoverable Metals by ICP (E200.7)

Barium*	<0.250		0.250	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Calcium*	38.5		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Hardness as CaCO ₃	149		3.31	mg/L	5	[CALC]	AES	19-Jun-19	2340 B	
Iron*	0.355		0.250	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Magnesium*	12.8		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Potassium*	<5.00		5.00	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Sodium*	52.4		5.00	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	
Strontium*	0.789		0.500	mg/L	5	B906147	AES	19-Jun-19	EPA200.7	

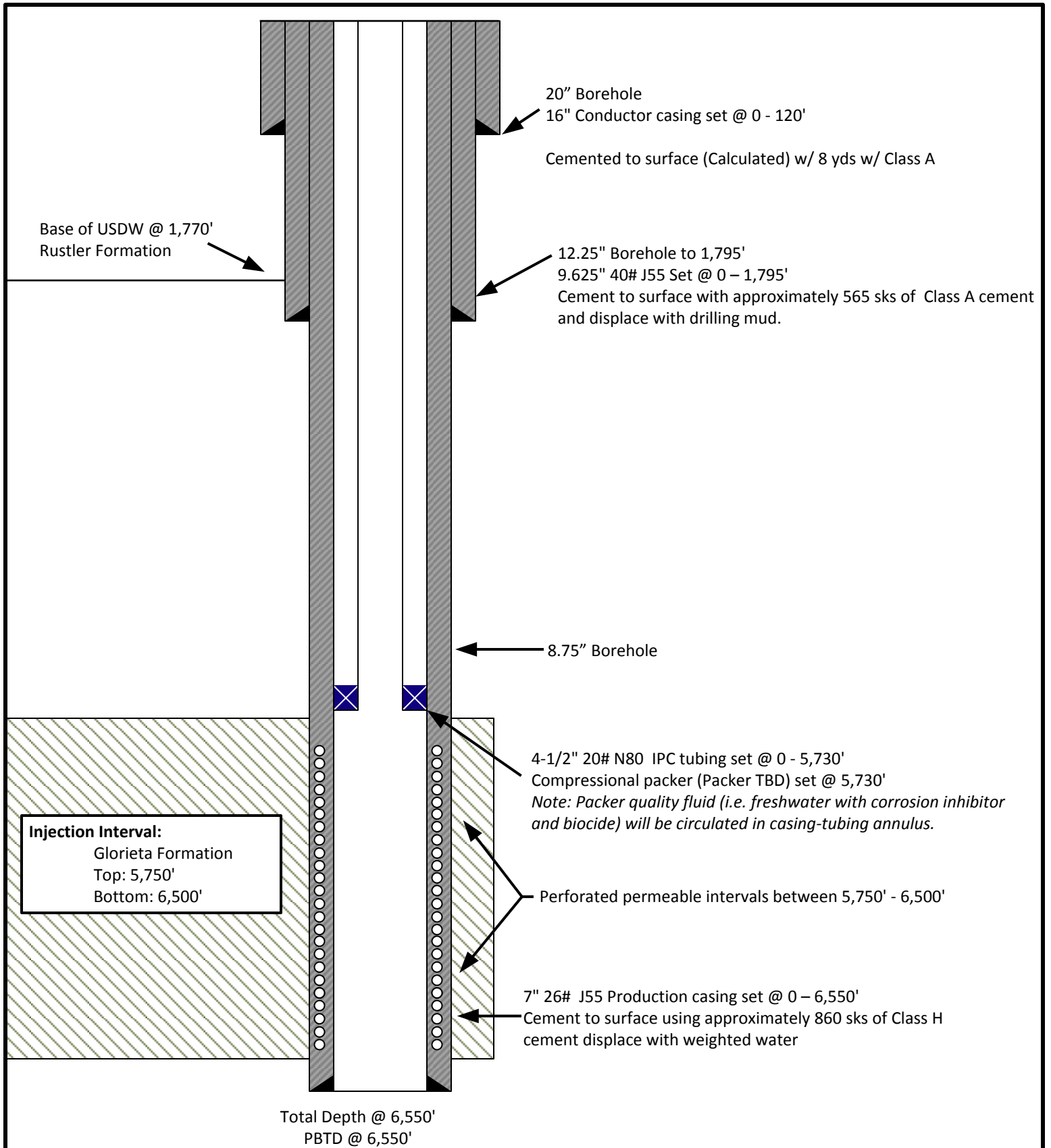
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Celey D. Keene, Lab Director/Quality Manager



Note: Listed depths and cement volumes are approximates based on available information.

NOT TO SCALE

Prepared by:

Drawn by: Joshua Ticknor

Project Manager:
Nathan Alleman

Date: 05/30/2019

ALLCONSULTING

Goodnight Midstream Permian, LLC
Pudge SWD G 1
Section 10, Twp 22S, Rng 36E
2,043' FNL & 2,504' FEL
Lea County, NM

Analytical Results For:

ALL CONSULTING, LLC
1718 S. CHEYENNE AVE.
TULSA OK, 74119

Project: DASCO CATTLE CO
Project Number: 32.400000 / - 103.259722
Project Manager: DAVID ALLEMAN
Fax To: NA

Reported:
20-Jun-19 09:31

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9061207 - Filtration

Blank (9061207-BLK1)

Prepared: 13-Jun-19 Analyzed: 14-Jun-19

TSS ND 2.00 mg/L

Duplicate (9061207-DUP1)

Source: H902002-01

Prepared: 13-Jun-19 Analyzed: 14-Jun-19

TSS 265 2.00 mg/L 218 19.5 52.7

Batch 9061308 - Filtration

Blank (9061308-BLK1)

Prepared: 13-Jun-19 Analyzed: 14-Jun-19

TDS ND 5.00 mg/L

LCS (9061308-BS1)

Prepared: 13-Jun-19 Analyzed: 14-Jun-19

TDS 436 mg/L 527 82.7 80-120

Duplicate (9061308-DUP1)

Source: H902024-03

Prepared: 13-Jun-19 Analyzed: 14-Jun-19

TDS 436 5.00 mg/L 439 0.686 20

Batch 9061310 - General Prep - Wet Chem

Blank (9061310-BLK1)

Prepared: 13-Jun-19 Analyzed: 18-Jun-19

Chloride ND 4.00 mg/L

LCS (9061310-BS1)

Prepared: 13-Jun-19 Analyzed: 18-Jun-19

Chloride 96.0 4.00 mg/L 100 96.0 80-120

LCS Dup (9061310-BSD1)

Prepared: 13-Jun-19 Analyzed: 18-Jun-19

Chloride 100 4.00 mg/L 100 100 80-120 4.08 20

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

ALL CONSULTING, LLC
1718 S. CHEYENNE AVE.
TULSA OK, 74119

Project: DASCO CATTLE CO
Project Number: 32.400000 / - 103.259722
Project Manager: DAVID ALLEMAN
Fax To: NA

Reported:
20-Jun-19 09:31

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9061403 - General Prep - Wet Chem

LCS (9061403-BS1)

Prepared & Analyzed: 14-Jun-19

pH	7.09		pH Units	7.00		101	90-110			
Conductivity	45800		uS/cm	50000		91.6	80-120			

Duplicate (9061403-DUP1)

Source: H902047-01

Prepared & Analyzed: 14-Jun-19

pH	7.48	0.100	pH Units		7.52			0.533	20	
Conductivity	7110	1.00	uS/cm		7170			0.840	20	
Resistivity	1.41		Ohms/m		1.39			0.840	20	

Batch 9061405 - General Prep - Wet Chem

Blank (9061405-BLK1)

Prepared & Analyzed: 14-Jun-19

Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							

LCS (9061405-BS1)

Prepared & Analyzed: 14-Jun-19

Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	305	12.5	mg/L				80-120			
Alkalinity, Total	250	10.0	mg/L	250		100	80-120			

LCS Dup (9061405-BSD1)

Prepared & Analyzed: 14-Jun-19

Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	318	12.5	mg/L				80-120	4.02	20	
Alkalinity, Total	260	10.0	mg/L	250		104	80-120	3.92	20	

Batch 9061708 - General Prep - Wet Chem

Blank (9061708-BLK1)

Prepared & Analyzed: 17-Jun-19

Sulfate	ND	10.0	mg/L							
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 ALL CONSULTING, LLC
 1718 S. CHEYENNE AVE.
 TULSA OK, 74119

 Project: DASCO CATTLE CO
 Project Number: 32.400000 / - 103.259722
 Project Manager: DAVID ALLEMAN
 Fax To: NA

 Reported:
 20-Jun-19 09:31

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 9061708 - General Prep - Wet Chem
LCS (9061708-BS1)

Prepared & Analyzed: 17-Jun-19

Sulfate	16.2	10.0	mg/L	20.0	81.2	80-120
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LCS Dup (9061708-BSD1)

Prepared & Analyzed: 17-Jun-19

Sulfate	16.1	10.0	mg/L	20.0	80.4	80-120	1.11	20
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Celey D. Keene, Lab Director/Quality Manager

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

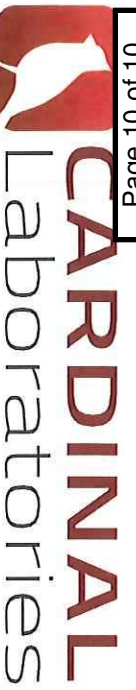
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: ATI Consulting		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager:		Company:					
Address:		Attn:					
City:		State:		Zip:			
Phone #:		Fax #:		Address:			
Project #:		Project Owner:		City:			
Project Name:		State:		Zip:			
Project Location:		Phone #:					
Sampler Name:		Fax #:					
FOR LAB USE ONLY		(G)RAB OR (C)OMP.		# CONTAINERS			
Lab I.D.		Sample I.D.		MATRIX		PRESERV.	
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
		DATE		TIME			
1		6-12 4:07		✓		Cation / Anions	
2		6-12 4:17		✓		TSS	
3		6-12 4:50		✓		Resistivity	
4		6-12 4:50		✓		T. Hardness 200.7	
5		6-12 4:50		✓		Ba, Fe, Sr 200.7	
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Attachment 7

Public Notice Affidavit and Notice of Application Confirmations