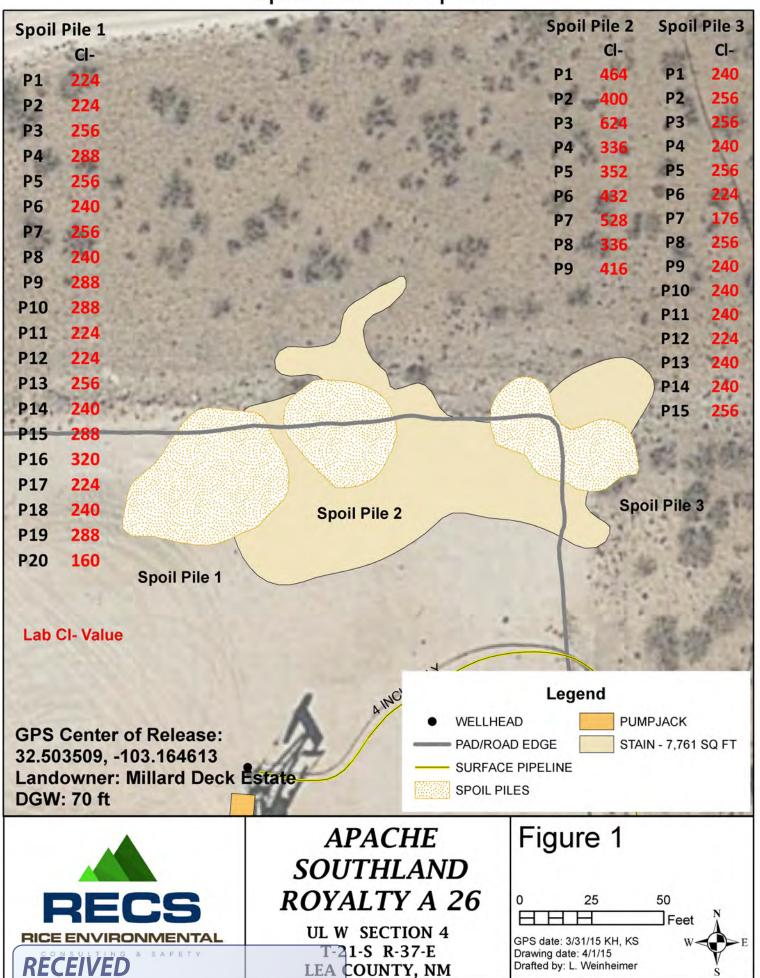
## Spoil Pile Samples 1RP-3383



By OCD; Dr. Oberding at 10:21 am, Apr 14, 2015



April 02, 2015

**KODY CULVER** 

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: SOUTHLAND ROYALTY A-26

Enclosed are the results of analyses for samples received by the laboratory on 04/01/15 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 1 PT. 1 (H500871-01)

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 1 PT. 2	(H500871-02)	)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 1 PT. 3	(H500871-03)	)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 1 PT. 4	(H500871-04)	)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/01/2015	ND	416	104	400	0.00	

Cardinal Laboratories \*=Accredited Analyte

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DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 1 PT. 5 (H500871-05)

Chloride, SM4500Cl-B	oride, SM4500Cl-B mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 6 (H500871-06)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 7 (H500871-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 8 (H500871-08)

Chloride, SM4500Cl-B	Chloride, SM4500Cl-B mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 9 (H500871-09)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/01/2015	ND	416	104	400	0.00	

#### Cardinal Laboratories \*=Accredited Analyte

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**KODY CULVER** P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: **SOUTHLAND ROYALTY A-26** Sampling Condition: \*\* (See Notes) Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: **NOT GIVEN** 

#### Sample ID: PILE 1 PT. 10 (H500871-10)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 1 PT. 11 (	H500871-11	L)							

Chioride, SM4500CI-B	тд/кд		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 12 (H500871-12)

Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 13 (H500871-13)

Chloride, SM4500CI-B	nloride, SM4500Cl-B mg/kg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 14 (H500871-14)

Chloride, SM4500CI-B mg/kg		Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	416	104	400	0.00	

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Celeg D. Keene



DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 1 PT. 15 (H500871-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 1 PT. 16	(H500871-16	-	Anglyza	od Dve AD					

Chloride, SM4500Cl-B	Analyze	а ву: АР							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 17 (H500871-17)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 18 (H500871-18)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 1 PT. 19 (H500871-19)

Chloride, SM4500Cl-B	` mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/01/2015	ND	416	104	400	0.00	

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DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 1 PT. 20 (H500871-20)

Chloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 2 PT. 1 (H500871-21)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 2 PT. 2 (H500871-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/01/2015	ND	416	104	400	0.00		

#### Sample ID: PILE 2 PT. 3 (H500871-23)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 2 PT. 4 (H500871-24)

Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/01/2015	ND	416	104	400	0.00	

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DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 2 PT. 5 (H500871-25)

Sample 10: PILE 2 PI. 5	(112000/1-25)	,							
Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 2 PT. 6	(H500871-26)	)							
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 2 PT. 7 (H500871-27)

Chloride, SM4500Cl-B	Analyze	d By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 2 PT. 8 (H500871-28)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/01/2015	ND	416	104	400	0.00	

#### Sample ID: PILE 2 PT. 9 (H500871-29)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	04/01/2015	ND	416	104	400	0.00	

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104

400

0.00

416



#### Analytical Results For:

DIVERSIFIED FIELD SERVICES, INC.

**KODY CULVER** P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: **SOUTHLAND ROYALTY A-26** Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NOT GIVEN

240

16.0

#### Sample ID: PILE 2 PT. 10 (H500871-30)

Chloride, SM4500CI-B	` mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/01/2015	ND	416	104	400	0.00	
Sample ID: PILE 3 PT. 1	(H500871-31)	)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

### Sample ID: PILE 3 PT. 2 (H500871-32)

Chloride

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	416	104	400	0.00	

ND

04/01/2015

#### Sample ID: PILE 3 PT. 3 (H500871-33)

Chloride, SM4500Cl-B	SM4500Cl-B mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	400	100	400	3.92	

#### Sample ID: PILE 3 PT. 4 (H500871-34)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	400	100	400	3.92	

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Celeg D. Keene



DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 3 PT. 5 (H500871-35)

•	` '								
Chloride, SM4500Cl-B	mg	mg/kg		d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	400	100	400	3.92	
Sample ID: PILE 3 PT. 6	(H500871-36)	)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

#### Sample ID: PILE 3 PT. 7 (H500871-37)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/01/2015	ND	400	100	400	3.92	

#### Sample ID: PILE 3 PT. 8 (H500871-38)

Chloride, SM4500CI-B	loride, SM4500Cl-B mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	400	100	400	3.92	

#### Sample ID: PILE 3 PT. 9 (H500871-39)

Chloride, SM4500Cl-B	00Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	400	100	400	3.92	

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DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 3 PT. 10 (H500871-40)

Chloride, SM4500CI-B	•	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	400	100	400	3.92	
Sample ID: PILE 3 PT. 1:	1 (H500871-41	L)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	400	100	400	3.92	

#### Sample ID: PILE 3 PT. 12 (H500871-42)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	04/01/2015	ND	400	100	400	3.92	

#### Sample ID: PILE 3 PT. 13 (H500871-43)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	400	100	400	3.92	

#### Sample ID: PILE 3 PT. 14 (H500871-44)

Chloride, SM4500Cl-B	` mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/01/2015	ND	400	100	400	3.92	

#### Cardinal Laboratories \*=Accredited Analyte

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DIVERSIFIED FIELD SERVICES, INC.

KODY CULVER P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 04/01/2015 Sampling Date: 03/31/2015

Reported: 04/02/2015 Sampling Type: Soil

Project Name: SOUTHLAND ROYALTY A-26 Sampling Condition: \*\* (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

#### Sample ID: PILE 3 PT. 15 (H500871-45)

Chioride, SM4500CI-B	mg/	кд	Anaiyze	a By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/01/2015	ND	400	100	400	3.92	

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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

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ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	mpany Name: D 1 V \$15 1 fred					I			ILL						1	ANAL	YSIS F	REQUES	ST		
Project Manager							0. #:														
Address:						C	ompa	any:	Sivi	ers	ified					SI					
City: Hobbs	State: NM	Zip:	882	40		A	ttn:									io		4 3			
Phone #:	Fax #:					A	ddre	ss:								An					1
Project #:	Project Owner					С	ity:					S	Σ		I	18/					
Project Name:					_	_	tate:		Zip:			Chlorides	15	×	TPH	0	co				
Project Location	: South Land Roya	·Li	19	A -	26	Phone #:						i.	80	BTEX	S	at	TDS				
Sampler Name:	Kyle Humphipy		<u> </u>			F	ax #:		1 .			三	I	m	Texas	0	-				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	TRIX	SCUDGE.	ACID/BASE:	ICE / COOL		AMPLI	TIME	0	TPH 8015		Te	Complete Cations/Anions					
1	DILP 1 P+1	6	1	1				1	3.	31-15	9:00	1									
2	PILT / P+2	6	1	1				1		/	9:05	1									
3	PILPI P+7	6	0	/		1		/	11		9:10	/								-	-
4	PILPI Pty	6	1	/		1	1	1	1		9:15	1			-			-		+	-
5	PILEI PIS	6	1	/		+	-	1	-	1	9:20	1	-	-	-	-	-	1		-	
6	pilel pt6	6	1	/	H	+	+	1	-	1	9:20	1	-			-		-		+	-
7	P161 p+1	6	1	11/	H	+	+	1	+	1	9:30	1	-		-	-		-			_
8	A1161 6+8	G	1	1	$\mathbb{H}$	+	+	/		1	9,10	1	1			-		_		+	1
9	P1151 P79	6	-	1	+	+	-	1		-	01:45	1	1								
analyses. All claims includir service. In no event shall C	Of Damages. Cardinal's liability and clients exclusive remedy for ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, includir	deemed ig withou	waived I limitati	d unless made i ion, business in	in writing demuptio	and re ns, los	s of use,	or loss o	of profits in	o days an ocurred by	at combission of	ine applic iaries,	able								
Relinquished By	ng out of or related to the performance of services hereunder by			ed By:	1.	1					Phone Re Fax Resu	esult:	□ Y		No		Phone #: Fax #:				
Relinquished B	Time:	100	ceiv	ed By:	£	le	n	10	1	DV.	email: lweinh jkamp	hco neim lain(	onde er@i	r@rice-ecs	LV1 cesw ecs.c	d.com;	m; Iflore	an@rice	/5 j. C e-ecs.co e-ecs.co	m;	
	: (Circle One) - Bus - Other:	30		Cool Ye	Intac	t -	Initials CUIS				cursa								@rio	e-ecs.	.com

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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	(505) 393-2326 FAX (505) 393	2410 (020) 070 700	BIL	ANALYSIS REQUEST									
Project Manager	Kody CUL	VPF	P.O. #:										
Address:	- /		Company:					- 1	S				
City: Hobbs	State: NA	/ Zip: 88240	Attn:						Cations/Anions				
Phone #:	Fax #:		Address:						Ah				
Project #:	Project Ov	vner:	City:		S	Σ		I	S/				
Project Name:				Zip:	Chlorides	TPH 8015 M	×	리	0	(O)			
Project Location	: South Land	Royalty A-26	Phone #:		- i-	80	BTEX	S	at	TDS			
Sampler Name:	Kyle tumphory		Fax #:		글	I	m	Texas TPH		-			
Lab I.D. H500871	Sample I.D.	CONTAINERS  # CONTAINERS  GROUNDWATER  WASTEWATER  A SOIL  SILIDGE	ACID/BASE: ACID/BASE: ACID/BASE: OTHER:	DATE TIME	1 /4	Ĭ-		Ţ	Complete				
13	D1601 0+13	6 1	1	10:0									
14	P1 1 0+14	611	//	10:00	/								
15	pilel ptis	61/	/	10:10									
16	PILE 1 PT16	61 1	1	1011	1	-	-						
17	PILE 1 PTIT	61/	11/	1012		-			-				
18	PILL 1 BA18	61	1/	10:2	-	-	-	-					
19	PILE 1 Pt 19	611	1	1017	/	-	-	-					
analyses. All claims including service. In no event shalf of efficience or successors arise. Relinquished B	Le Hunen Times	half be deemed warved unleas made in writing; including without limitation, business infarruption for by Cardinati, regardless of whether such clair Reference By:  Received By:  Received By:  Sample Conc	and received by Cartinana va., loss of loss of p p in is based upon any of the state of the stat	offits incurred by client, its subset by being above stated reasons or other phone in the phone	Result: sult: Ks: l: hou heim	onde er@i	r@rice-ecs	.com	d.com;	Phone #: Fax #: Property Only	Ce-ecs.com	1,	
	- Bus - Other:	Cool Intact	es No	Envir							@rice	e-ecs.com	

#54

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-399 2476

## RDINAL LABORATORIES

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

Company Name:	(505) 393-2326 FAX (505) 393-2		,			BI	44 70	E PER A					NAL	YSIS F	REQUES	T	
roject Manager	701 (				P.O.	<b>#</b> :											
Address:					Com	any:							ns		1 1		
city: Hobbs	State: NM	Zip	: 882	240	Attn:								Cations/Anions		1 1		
hone #:	Fax #:				Addr	ess:		_		_			Ā				
roject#:	Project Own	er:			City:				S	5 M		Texas TPH	ns/				
roject Name:					State: Zip:		Chlorides	15	×	片	Ö	S					
Project Location	: South Land R	DU	pal	th A-26	Phone #: Fax #:				ori	801	BTEX	as	Sa	7	1 1		
ampler Name:	Kylp fumpivey	_	_	MATRIX		RESERV	SAMPL	NG	동	TPH	B	ex	10000				
FOR LAB USE ONLY		a.	П	MATRIA		LULIV	Orana C			=		-	let				1
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GRÖUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	ICE / COOL		TIME					Complete				
21	PILP 2 Pt1	6	1	/		/	3-2415	1	1			-					
22	PILA 2 P+Z	6	1	1	++	//	1	10145	4						+		
23	birb 5 bt)	6	17	1/1	+	//	1	10:50	1								
24 95	DITE 5 D10	6	1	11/1	+	1		10 . 60	1								1
26	PILE 2 P+5	6	1	7	$\Box$	1		11:95	1				-				
97	PILE 2 P+7	6	1	/		1		11:10	/								
28	PILEZ 1+8	6	1	/		1		11115	1				-				-
29	P/49 2 P49	6	1	1/		/	1	(1150	/		-		-	-			-
30	PIU 9, PIO nd Demages. Cardinal's liability and client's exclusive remedy	6	10	1	1	/	1	111123	1								

Relinquished By:  Relinquished By:  Relinquished By:	Date 1/15 Time: .45 Date:	Receive	d By:	nson	Iweinheim	er@rice	e-ecs.c	com; knormar	ViverSiFiedSi.Com; es@rice-ecs.com; n@rice-ecs.com; @rice-ecs.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		180	Sample Condition Cool Intact Yes Pyes No No	CHECKED BY:	cursanic@ Environme	rice-ec	s.com		@rice-ecs.com

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## ARDINAL LABORATORIES

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name	Name: MAPS I GO					BILL TO				ANALYSIS REQUEST											
Project Manage	ET KONY CULV	10-					P.O.														
Address:							Com	pany	:							2					
City: Hobbs	State: NM	Zip:	882	40			Attn:									Cations/Anions					
Phone #:	Fax #:						Addr	ress:								7					
Project #:	Project Owner	er:					City:					1 ,,	Σ		I	l/S					
Project Name:	1						State	9:		Zip:		Chlorides	TPH 8015	×	Texas TPH	on					
Project Locatio	n: South Land Roy	elt	5	A	-5	6	Phor	ne #:		Ĭ.Ĕ	30	BTEX	S	ati	TDS						
Sampler Name:	1/11/2 1 1 1	-					Fax	#:				] 은	7	B	xa		F				
FOR LAB USE ONLY	,		П		MATRI	X	P	RESE	RV.	SAMPL	ING	O	ā		0	te					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	WASTEWATER	SOIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME					Complete					
31	PILA 3 Pt1	6	1		1			1		3-31-15	11:30	1									
32 33 34 35 36	PILP 7 Pt2	G	1		1			1		1	11:01	1									
33	PILE J PY3	6	1		1			1			11:40	/									
34	P4 C 9419	6	1		/			1			11:45	1									
35	PILE 2 PLS	6	(		1			1			11:50	/									
36	PILPJ PY6	6	1		/			/		1	11:55	1									
37	PILE 2 P+7	6	1		/		1	1			12:00	1									
38	PILP ] P+8	6	4		/		1	1			12:105	1								-	
39	18th C1111	6	4		1			1	1		12:10	1									
40	DILA COMA		1		1			1			12:15	1									
analyses. All claims includ	and Damages, Cardinal's liability and client's exclusive remedy fo fing those for negligence and any other cause whatsoever shall b	e deemed	waived	unless m	ede in wri	ling and	received	d by Can	dinal w	within 30 days aft	er completion of	the applica	able								
service. In no event shall ( affiliates or successors aris	Cardinal be liable for incidental or consequental damages, included sing out of or related to the performance of services hereunder by	ing withou Cardinal	t limitatio regardle	on, busine ess of wh	ess interru ether such	ptions, lo r claim is	ss of us based	se, or los upon an	ss of pr y of the	rofits incurred by a above stated re	client, its subsidi resons or otherw	aries, ise									
	LO HUNZMY TIPZ:45	16	Ir	d	i	A	ble	M	U	Son	Phone Re Fax Resu REMARK	lt:	□ Ye	s Ø	No LVt	Add'l		rs/fleds es@rice-e	1,0	m	
Relinquished B	Time:	Re	cetve	d By:							lweinh	eime	er@r	ice-e	CS.C	om;	knorma	es@rice-e in@rice-ecs @rice-ecs	cs.com	n;	
Delivered By	: (Circle One)	A	,		ple Co		on	CH	ERK	ED BY:	cursar							J			
Sampler - UPS	- Bus - Other:	18	1		Yes L	Yes		(	M	A	Enviro	_							@rice	-ecs.	com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



# ARDINAL LABORATORIES 101 Fast Marland Hobbs NM 8824

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name	: DIVACS Hied.	, ,	BI	44 70				ANALY	SIS REQUEST
Project Manage	Kody Eulupr		P.O. #:				1		
Address:			Company:					S	
City: Hobbs	State: NM	Zip: 88240	Attn:				1	Cations/Anions	
Phone #:	Fax #:		Address:					1	
Project #:	Project Owne	r:	City:		,,,	Σ	I	1/S	
Project Name:			State:	Zip:	les	× 5	_ 6	6	
Project Location	1: South Land Ro	pelty A-26	Phone #:		Chlorides	H 8015	Texas TPH	# S	
Sampler Name:	Kult Humphan	, ,	Fax #:		일	7 2	X	ÖF	=   -   -   -   -
FOR LAB USE ONLY	, , ,	MATRIX	PRESERV.	SAMPLING	O	TPH	e	e	
Lab I.D.  H500 871 41 42 43 44 45	Sample I.D.  PILP3 PHI PILP3 PHI PILP3 PHI PILP3 PHI PILP3 PHI PILP3 PHI	GRAB OR (C)OMP  / / / / # CONTAINERS  GROUNDWATER  WASTEWATER  OIL	OTHER:  ACID/BASE:  ACID/BASE:  OTHER:  OTHER:	DATE TIME 3-71-15 12:20 12:25 12:35 12:35 12:40	1/1/			Complete	
analyses. All claims, includi service. In no event shall C	nd Damages. Cardinat's liability and client's exclusive remedy for ng those for negligence and any other cause whatsoever shall be ardinal be liabila for incidental or consequental damages, including out of or related to the performance of services hereunder by V: Date: Date:	e deemed waived unless made in writing ng without limitation, business interruption	and received by Cardinal ns, loss of use, or loss of p	within 30 days after completion of profits incurred by client, its subsidi	the applical aries, ise.	□ Yes	☑ No	Add'l Pho	one#:
Tromiquiarieu D	4 4 1/15	Keckived by.	1	Fax Resu			☑ No	Add'l Fax	

Relinquished By:  KULO HUMP  Relinquished By:	Time:  Receive  Receive  Time:	Idi de		Fax Result: D Y REMARKS: email: hconde lweinheimer@	MCV er@ricesw rice-ecs.c	Add'l Phone #:    Add'l Fax #:   L VPC ( Divers) flows: Com   vd.com;   Iflores@rice-ecs.com;   com; knorman@rice-ecs.com;   n; sedwards@rice-ecs.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	18°	Sample Condition Cool Intact Yes Yes No No	CHECKED BY:	cursanic@rice Environmenta	-ecs.com	

