

Closure Report

February 28, 2022

Re: Lusk South 28 Federal CTB Case # nAPP2133448368

On 11/18/2021 a release occurred due to a heater treater manway gasket failed. The release (GPS: 32.626526, -103.777292) is located west of Hobbs, New Mexico in unit letter M section 28 township 19S range 32E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well suggest that groundwater is 51-100 feet.

On 1/11/2022 vertical delineation was conducted utilizing a backhoe with samples collected in 1-foot intervals to depths ranging from surface to 5 feet. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. The release area was excavated to depths ranging from 1 to 3 feet. Final 5- point bottom and wall composite samples were collected not exceeding 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. The overspray on vegetation was washed with Dawn dishwashing soap approved by BLM. All excavated soil (240 yards) was hauled to an OCD approved disposal facility. The pasture area was backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The pasture area was reseeded with BLM # 2. The excavation inside the secondary containment was backfilled with caliche to restore the pad.

Apache Corporation has completed remediation to below table one standards and respectfully request that event be closed.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Field Notes, and Revegetation and Noxious Weed Plan.

Submitted by;

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-215-2284

Bruce Baker

Jan Maria		
New Mexico	Incident ID	
ation Division	District RP	
	Facility ID	

Application ID

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	51-100 (ft bgs)							
Did this release impact groundwater or surface water?	☐ Yes ☑ No							
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No							
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No							
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No							
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No							
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No							
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No							
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No							
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No							
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No							
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No							
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No							
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil								

<u> </u>
Characterization Report Checklist: Each of the following items must be included in the report.
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination ✓ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ✓ Boring or excavation logs ✓ Photographs including date and GIS information ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 2/28/2022 8:26:54 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.							
Printed Name: Larry Baker	Title: Environmental Tech SR.						
Printed Name: Larry Baker Signature: Larry Baker	Date: 2/21/2022						
email: larry.baker@apachecorp.com	Telephone: 432-215-2284						
OCD Only							
Received by:	Date:						

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Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following its	ems must be included in the closure report.								
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC								
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)									
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)								
Description of remediation activities									
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in								
Printed Name: Larry Baker	Title: Environmental Tech SR.								
, – /	Date: 2/21/2022								
email: larry.baker@apachecorp.com	Telephone: 432-215-2284								
OCD Only									
Received by: Chad Hensley	Date: 03/25/2022								
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible or regulations.								
Closure Approved by:	Date: 03/25/2022								
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced								



Received by OCD: 2/28/2022 8:26:54 AM Wew Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number O64 O16 O4 Sec Tws Rng

CP 01656 POD2

19S 32E

613364

3613648

Driller License:

Driller Company:

STRAUB CORPORATION

Driller Name:

BRYAN, EDWARD

Drill Start Date:

03/28/2017

Drill Finish Date:

03/28/2017

Plug Date:

03/28/2017

Log File Date:

05/05/2017

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

70 feet

Depth Water:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied. concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data

2/21/22 11:15 AM

POINT OF DIVERSION SUMMARY

Received by OCD: 2/28/2022 8:26:54 AM-New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

POD Number

O64 O16 O4 Sec Tws Rng

X

CP 01656 POD1

19S 32E

613368

3613646

Driller License:

Driller Company:

STRAUB CORPORATION

Driller Name: EDWARD BRYAN

Drill Start Date:

03/28/2017

Drill Finish Date:

03/28/2017

Plug Date:

03/28/2017

Log File Date:

05/05/2017

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

70 feet

Depth Water:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/21/22 11:16 AM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

z	OSE POD NUMBER (WELL NUMBER) (POD 2) LUSK DEEP UNIT A #19 SB-2							OSE FILE NUMBER(S)					
LIO	WELL OWNER NAME(S)							CP-1656 PHONE (OPTIONAL)					
CA	TETRA TI		(5)		THORE (OF I	OTT ID,							
777	1		NG ADDRESS		CITY		STATE	ZIP					
GENERAL AND WELL LOCATION	4000 N.E	BIG SPR	ING ST, STE 401		Midland		Tx 793	705					
É.	WELL DEGREES			S MINUTES	MINUTES SECONDS								
LA	LOCATIO	ON I	_ATITUDE 32	39	16.7	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND				
ERA	(FROM G	PS)	LONGITUDE 103	47	28.1	W	* DATUM RE	QUIRED: WGS 84		j			
EN	DESCRIPTIO		G WELL LOCATION TO STRE	ET ADDRESS AND COMMO	N LANDMARKS - PLS	S (SECTION, TO	OWNSHJIP, RANG	E) WHERE AVAILABLE					
-	NE 1/4 O	F SW 1.	/4 OF SE 1/4 OF SV	V 1/4 OF SECTION	17, TOWNSHII	P 19S, RAI	NGE 32E						
	LICENSE N	UMBER	NAME OF LICENSEI	DORILLER				NAME OF WELL DR	ILLING COMPANY				
	WD1711		EDWARD BRYA	N				STRAUB CORPO	DRATION				
	DRILLING S 3-28-17	TARTED	DRILLING ENDED 3-28-17	DEPTH OF COMPLETE	D WELL (FT)	BORE HOL	E DEPTH (FT)	DEPTH WATER FIRE	ST ENCOUNTERED (F	T)			
	COMPLETE	D WELL IS	S: C ARTESIAN	• DRY HOLE C	SHALLOW (UNC	ONFINED)		STATIC WATER LEV	VEL IN COMPLETED V	WELL (FT)			
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OR							THER - SPECIFY:						
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CASING INFORMATION			DIAM (inches)	(include each cas	1	IECTION YPE	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)				
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TER	0	2'	6"	.5 CEMENT	TIOLENITE.				TOPLOAD	ĺ			
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ANNULAR MATERIAL		_								 -			
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	FROM	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	1'	1'	TAN FINE SAND	CYGN	N/A
	1'	8'	7'	RED FINE SAND - SANDSTONE	CYGN	N/A
	8'	22'	14'	TAN FINE SAND - SANDSTONE CEMENT	CYGN	N/A
	22'	23'	1'	RED VERY FINE SAND - SANDSTONE CEMENT	CYGN	N/A
	23'	41'	18'	RED VERY FINE SAND - SANDSTONE CEMENT	CYGN	N/A
ŗ	41'	48'	7'	RED SANDY CLAY	CYGN	N/A
4. HYDROGEOLOGIC LOG OF WELL	48'	63'	15'	RED VERY FINE SAND - SANDSTONE	CYGN	N/A
OF V	63'	70'	7'	RED SILTY CLAY	CYGN	N/A
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NO	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVF		
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FO:	R OSE INTER	NAL USE		WR-20 WE	LL RECORD & LOG (V	ersion 06/08/2012)

POD NUMBER

TRN NUMBER

PAGE 2 OF 2

FILE NUMBER

LOCATION



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1	OSE POD NU	JMBER (WEL	L NUMBER)				OSE FILE NU	MBER(S)				
Z			PUNITA#19 Ç	B-T2			CP-1656					
ATI	WELL OWNER NAME(S)							PHONE (OPTIONAL)				
OC	TETRA TE	:CH							ļ			
GENERAL AND WELL LOCATION	1	ER MAILING IG SPRING	ADDRESS S ST, STE 401	4			crry Midland		STATE Tx	7970:	ZIP	
QX	WELL		DEGREE			os						
ILA	LOCATIO	N LAT	ITUDE 32	39	16.7	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
ER	(FROM GF	PS) LON	IGITUDE 103	47	28.1	· W	* DATUM REG	QUIRED: WGS 84				
EN	DESCRIPTION	N RELATING W	ELL LOCATION TO STREE	T ADDRESS AND COMM	ON LANDMARKS - PL	S (SECTION, TO	OWNSHJIP, RANG	E) WHERE AVAILABLE				
1.	NE 1/4 OI	F SW 1/4	OF SE 1/4 OF SW	1/4 OF SECTION	N 17, TOWNSHI	P 195, RAI	NGE 32E					
	LICENSE NO	JMBER	NAME OF LICENSED EDWARD BRYA	= =:				NAME OF WELL DR				
	DRILLING S	TARTER Y				Loopeino	T DETCH (Pm)	1				
	3-28-17		DRILLING ENDED 3-28-17	70'	TED WELL (FT)	70'	E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERE) (FT)		
7	COMPLETED WELL IS: C ARTESIAN FOR DRY HOLE C SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A											
DRILLING & CASING INFORMATION	DRILLING F	LUID:	€ AIR	C MUD	ADDITIVES - SP	ECIFY:		<u> </u>				
RMA	DRILLING M	METHOD:	© ROTARY	C HAMMER C	CABLE TOOL	C OTHE	R - SPECIFY:					
(FO)	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR		anic	CASING CASING WALL			SLOT		
G II	FROM TO DIAM			GRADE C			SING IECTION	INSIDE DIAM.	1	CASING WALL THICKNESS		
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& C	0	70'	6"	N/A		N/A		N/A	N/A		N/A	
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					DILL AD CEAL M			AMQUNT	ME"	TUOL	OF	
	DEPTH ((feet bgl)	BOREHOLE	LIST AN		ATERIAI A	NI)			METHOD OF PLACEMENT		
ΨΓ.	DEPTH ((feet bgl)	BORE HOLE DIAM. (inches)		INULAR SEAL M. PACK SIZE-RANG			(cubic feet)		CEM		
ERIAL												
TATERIAL	FROM	TO	DIAM. (inches)	GRAVEL F	PACK SIZE-RANG				PLA	AD		
AR MATERIAL	FROM 0	TO 2'	DIAM. (inches)	GRAVEL F	PACK SIZE-RANG				TOPLO	AD		
ULAR MATERIAL	FROM 0	TO 2'	DIAM. (inches)	GRAVEL F	PACK SIZE-RANG				TOPLO	AD		
INNULAR MATERIAL	FROM 0	TO 2'	DIAM. (inches)	GRAVEL F	PACK SIZE-RANG				TOPLO	AD		
3. ANNULAR MATERIAL	FROM 0	TO 2'	DIAM. (inches)	GRAVEL F	/8 HOLEPLUG				TOPLO	AD		
	FROM 0	TO 2'	DIAM. (inches)	GRAVEL F	PACK SIZE-RANG		RVAL		TOPLO	AD		
સં	FROM 0	TO 2' 70'	DIAM. (inches)	GRAVEL F	/8 HOLEPLUG		RVAL		TOPLO/	AD AD	/2012)	
FOR	FROM 0 2	TO 2' 70'	DIAM. (inches)	GRAVEL F	/8 HOLEPLUG	E BY INTE	WR-20	(cubic feet)	TOPLO/	AD AD	/2012)	
FOR	FROM 0 2 OSE INTER	TO 2' 70'	DIAM. (inches) 6" 6"	GRAVEL F	/8 HOLEPLUG	E BY INTE	WR-20	(cubic feet)	PLA TOPLO TOPLO \$ LOG (Version	AD AD		

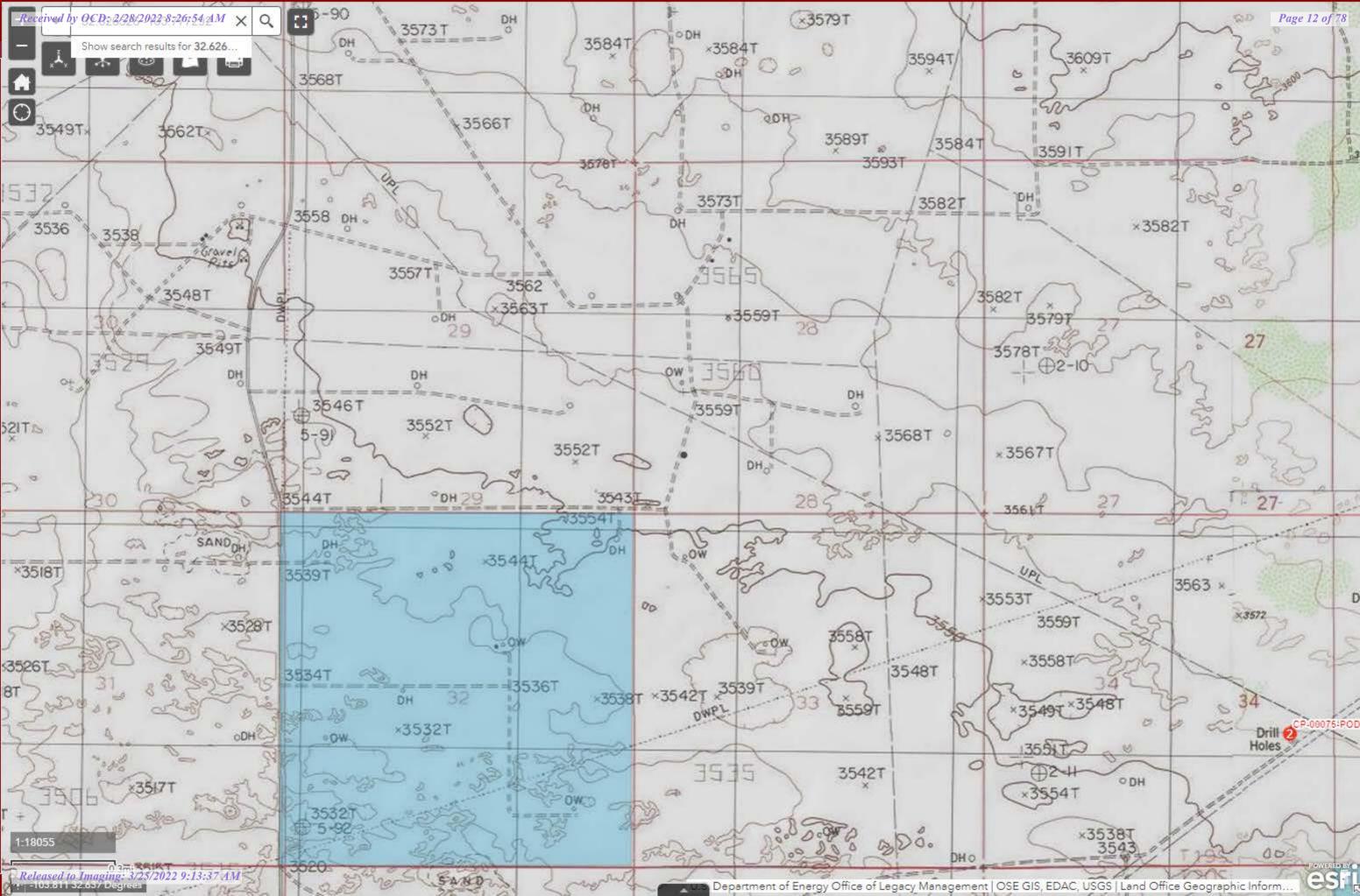
							
‡	FROM	(feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
}	0	1'	1'	TAN FINE SAND	CYGN	N/A	
	1'	7'	6'	RED FINE SAND	CYGN	N/A	
	7'	9'	2'	RED FINE SAND - GYPSUM	CYGN	N/A	
	9'	12'	3'	TAN FINE SAND SILICEOUS SANDSTONE	CY 6 N	N/A	
	12'	14'	2'	TAN FINE SAND - CEMENT SANDSTONE	CYGN	N/A	
Ţ	14'	22"	8'	TAN VERY FINE SAND - CEMENT SANDSTONE	CYGN	N/A	
HYDROGEOLOGIC LOG OF WELL	22'	25'	3'	RED VERY FINE SAND & SANDSTONE	CYGN	N/A	
Q.	25'	28'	3'	TAN VERY FINE SAND - SANDSTONE	CYGN	N/A	
90′		41'	13'	RED VERY FINE SAND	CYGN	N/A	
121	41'	49'	8'	RED SANDY CLAY	CY 6 N	N/A	
007	49'	56'	7'	RED SILTY SAND WITH CLAY	CY 6 N	N/A	
) SEO	56'	66'	10'	RED SILTY SAND - SANDSTONE	CYGN	N/A	
S C	66'	70'	4'	RED SILTY SAND - SILTY CLAY	CY 6 N	N/A	
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	METHOD	JSED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA: PUMP	TOTAL ESTIMATED		
	C AIR LIF	т С	OTHER - SPECIFY:	WELL YIELD (gpm):			
		TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC.	LUDING DISCHARGE	METHOD.	
NO	WELL TES			ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE			
	MISCELLA	NEOUS IN	FORMATION:				
PER	SOIL BO	RING ONL	Y-SOIL BORII	NG WAS PLUGGED AND ABANDONED UPON COMPLETION	OF SAMPLING.	†	
SS	LEA COU	NTY, NM					
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TEST; RIG SUPERVISI	PRINT NA	ME(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER TI	HAN LICENSEE:	
5. T							
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,	THE UNDE	RECORD O	HEREBY CERTIF	TIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE	F, THE FOREGOING IS ECORD WITH THE STA	S A TRUE AND TE ENGINEER	
	AND THE	PERMIT HO	LDER WITHIN 2	20 DAYS AFTER COMPLETION OF WELL DRILLING:			
SIGNATURE		[D 1	a				
SIG	j o	Sprif	Fr.	Edward BRYAN	3-29-17		
ن		SIGNAT	TURE OF DRILLE	ER / PRINT SIGNEE NAME	DATE		
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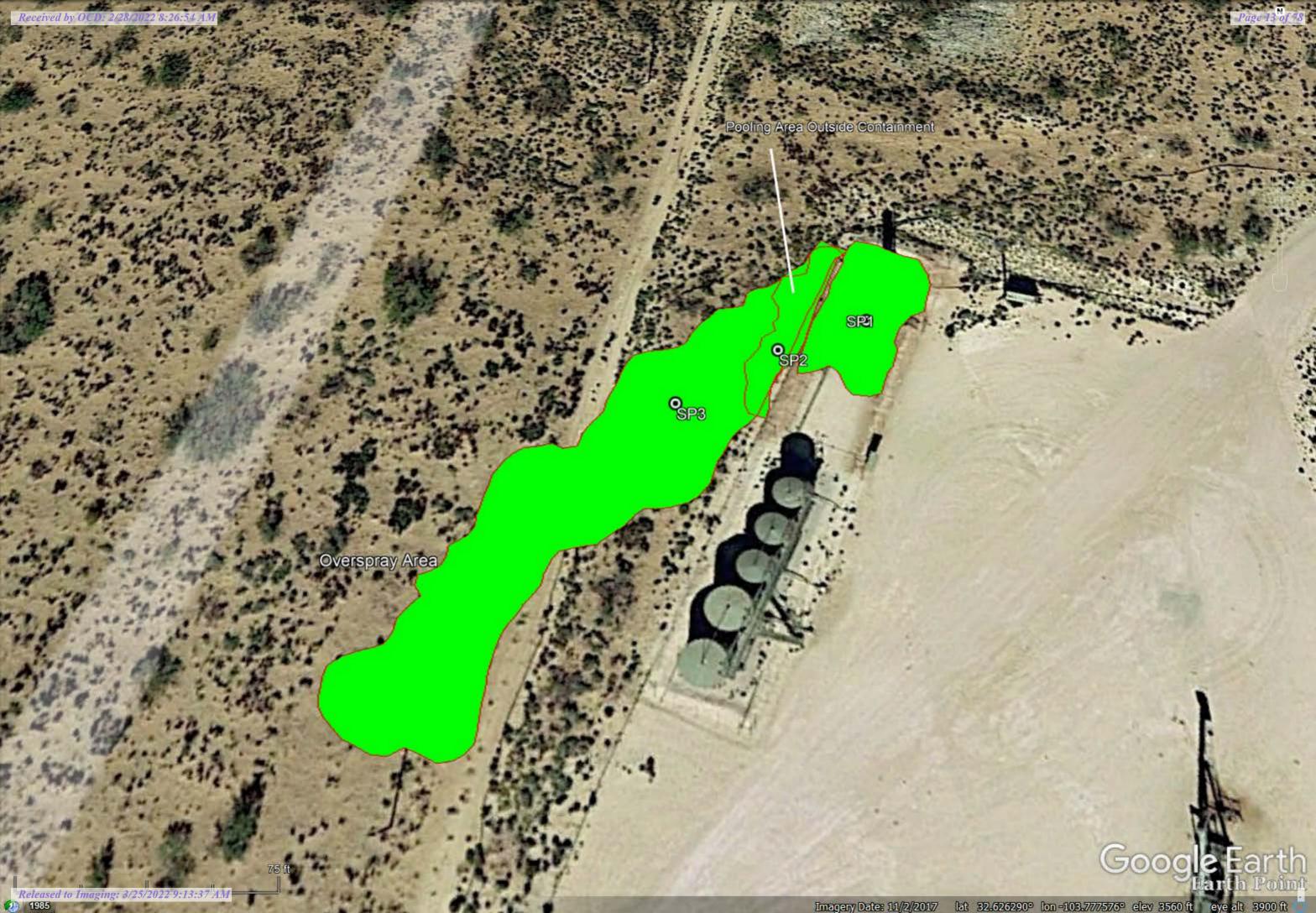
POD NUMBER

TRN NUMBER

PAGE 2 OF 2

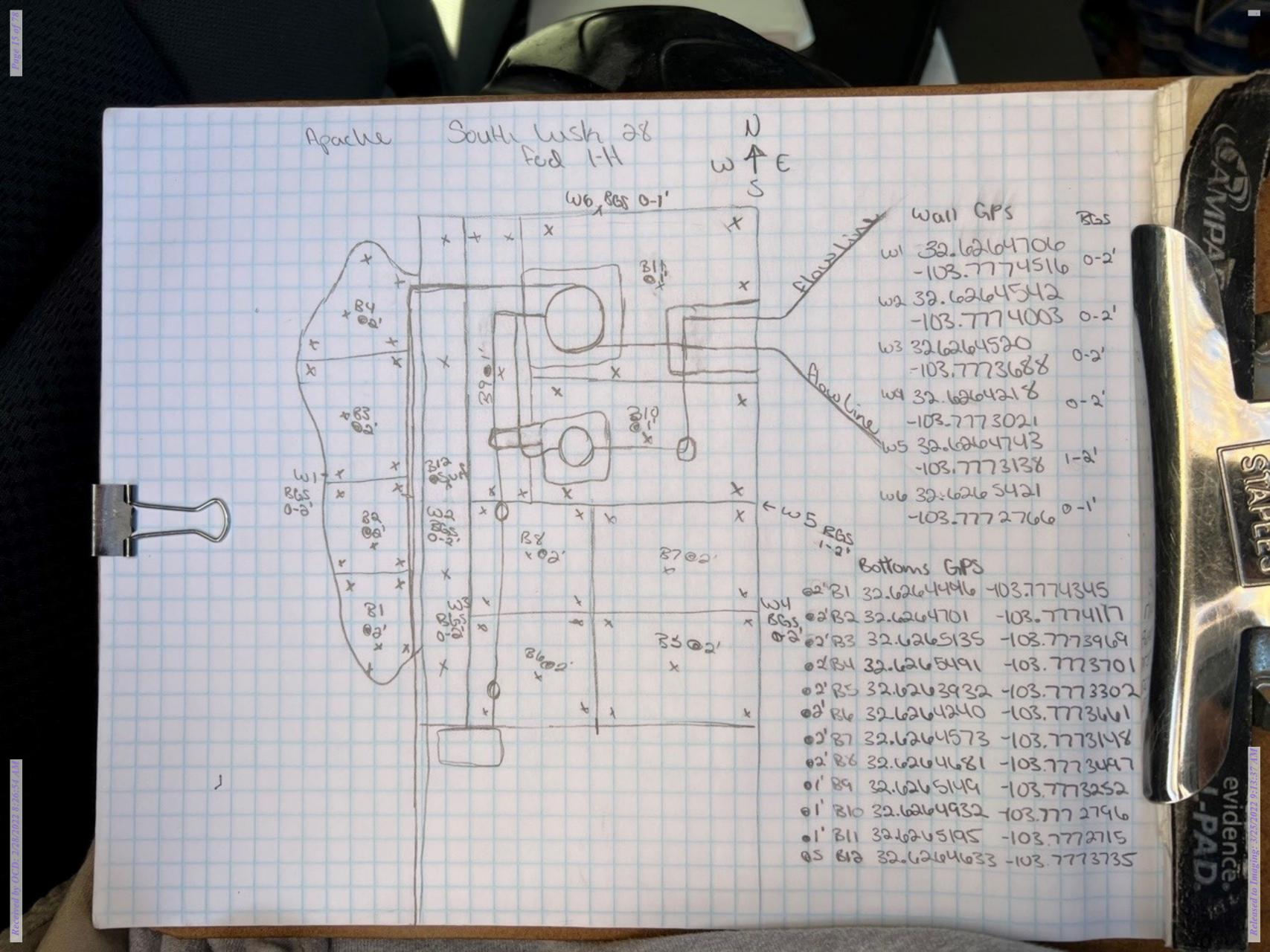
FILE NUMBER LOCATION





Received by OCD: 2/28/2022 8:26:54 AM





Delineation Samples

Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
Date						ene	Xylenes	BTEX				Coordinates
												32.62644559
1/11/2022	SP1	S	2,640	0.239	5.45	4.11	12.6	22.4	227	3,220	369	-103.7773259
		1'	32	<0.050	0.117	0.198	0.845	1.16	10.9	138	<10.0	
		2'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	67.6	<10.0	
		3'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
1/12/2022		4'	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		5'	32	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
												32.6264108
1/12/2022	SP2	S	560	0.556	22.8	20.6	68.3	112	1310	8740	1240	-103.7774352
		1'	80	<0.050	<0.050	<0.050	0.217	<0.300	10.5	115	<10.0	
		2'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		3'	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		4'	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18	<10.0	
												32.6263537
1/12/2022	SP3	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.7775569

Final Samples

Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
Date						ene	Xylenes	BTEX				Coordinates
												32.6264446
1/21/2022	B1	2'	<16	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	10.7	<10.0	-103.7774345
												32.6264701
1/21/2022	B2	2'	48	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	56	<10.0	-103.7774117
												32.6265135
1/21/2022	В3	2'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.1	<10.0	-103.7773969
												32.6265491
1/21/2022	B4	2'	32	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	93.8	34.5	-103.7773701
1/25/2022	B4	3'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.6263932
1/21/2022	B5	2'	32	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.7773302
												32.6264240
1/21/2022	В6	2'	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.7773661

												32.6264573
1/21/2022	В7	2'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	34.6	<10.0	-103.7773148
												32.6264681
1/21/2022	В8	2'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.8	<10.0	-103.7773497
												32.6265149
1/25/2022	В9	1'	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.7773252
												32.6264932
1/25/2022	B10	1'	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.7772796
												32.6265195
1/25/2022	B11	1'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.5	<10.0	-103.7772715
												32.6264633
1/21/2022	B12	1'	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	55.8	10.6	-103.7773735
												32.6264706
1/21/2022	W1	0-2'	16	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.7774516
												32.6264542
1/21/2022	W2	0-2'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.7774003
												32.6264520 -
1/21/2022	W3	0-2'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	103.7773688
												32.6264218 -
1/21/2022	W4	0-2'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	121	26.8	103.7773021
2/8/2022	W4	0-2'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
												32.6264743 -
1/25/2022	W5	1-2'	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	103.7773138
												32.6265421 -
1/25/2022	W6	0-1'	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	103.7772766



January 14, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LUSK SOUTH 28

Enclosed are the results of analyses for samples received by the laboratory on 01/11/22 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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



01/11/2022

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Sampling Date:

Received: 01/11/2022 Reported: 01/14/2022

Reported:01/14/2022Sampling Type:Project Name:LUSK SOUTH 28Sampling Condition:Project Number:NONE GIVENSample Received By:

Project Location: EUNICE, NM

Sample ID: SP 1 @ SURFACE (H220110-01)

BTEX 8021B	mg	/kg	Analyzed By: MS/						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.239	0.050	01/13/2022	ND	2.05	102	2.00	3.25		
Toluene*	5.45	0.050	01/13/2022	ND	1.93	96.4	2.00	3.42		
Ethylbenzene*	4.11	0.050	01/13/2022	ND	1.93	96.3	2.00	3.87		
Total Xylenes*	12.6	0.150	01/13/2022	ND	6.00	100	6.00	3.81		
Total BTEX	22.4	0.300	01/13/2022	ND						
Surrogate: 4-Bromofluorobenzene (PID	163	% 69.9-14	0							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	01/13/2022	ND	416	104	400	3.92		
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	227	10.0	01/13/2022	ND	196	97.8	200	0.476		
DRO >C10-C28*	3220	10.0	01/13/2022	ND	197	98.7	200	6.06		
EXT DRO >C28-C36	369	10.0	01/13/2022	ND						
Surrogate: 1-Chlorooctane	123	% 66.9-13	6							
Surrogate: 1-Chlorooctadecane	184	% 59.5-14	2							

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Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/11/2022 Reported: 01/14/2022

Project Name: LUSK SOUTH 28
Project Number: NONE GIVEN
Project Location: EUNICE, NM

Sampling Date: 01/11/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 1' (H220110-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	2.05	102	2.00	3.25	
Toluene*	0.117	0.050	01/13/2022	ND	1.93	96.4	2.00	3.42	
Ethylbenzene*	0.198	0.050	01/13/2022	ND	1.93	96.3	2.00	3.87	
Total Xylenes*	0.845	0.150	01/13/2022	ND	6.00	100	6.00	3.81	
Total BTEX	1.16	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.9	10.0	01/13/2022	ND	196	97.8	200	0.476	
DRO >C10-C28*	138	10.0	01/13/2022	ND	197	98.7	200	6.06	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	12						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



01/11/2022

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/11/2022 Sampling Date:

ma/ka

Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC/

Project Location: EUNICE, NM

Sample ID: SP 1 @ 2' (H220110-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	2.05	102	2.00	3.25	
Toluene*	<0.050	0.050	01/13/2022	ND	1.93	96.4	2.00	3.42	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.93	96.3	2.00	3.87	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	6.00	100	6.00	3.81	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	196	97.8	200	0.476	
DRO >C10-C28*	67.6	10.0	01/13/2022	ND	197	98.7	200	6.06	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	97.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-243

Fax To: (575) 393-2432

Received: 01/11/2022 Sampling Date: 01/11/2022

Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: EUNICE, NM

Sample ID: SP 1 @ 3' (H220110-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/13/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	196	97.8	200	0.476	
DRO >C10-C28*	<10.0	10.0	01/13/2022	ND	197	98.7	200	6.06	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	95.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.5	% 59.5-14	2						

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Celey D. Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 393-2326 FAX (3/3) 330-2770	BILL TO	ANALYSIS REQUEST
	P.O. #:	
	Company:	
city: Hobos state: MMZip: 88340	Attn:	
Phone #: Fax #:	Address:	
Project #: Project Owner:	City:	
Project Name:	State: Zip:	
on: 1 < /1	Phone #:	
_	MATRIX PRESERV. SAMPLING	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER	ATE	CXL TPH X BTEX
Brushaus Ch	7 1-11 11:00	*
5pl @ 3'	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	X X X X X X X X X X
haim hout	arising whether based in contract or tort, shall be limited to the amount paid by the waived unless made in writing and received by Cardinal within 30 days after complex waived unless made in writing and received by Cardinal within 30 days after complex initiation, business interruptions, loss of use, or loss of profits incurred by client, its similarities, and the property of th	
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Time:		Standard 🔀 Bacteria (only) S
27	n CHECKED BY: (Initials)	Rush Cool Intact
Sampler - UPS - Bus - Other: Corrected Temp. °C 4, 1	No No No Corm	Correction Factor -0.5°C Nc Nc No Corrected Temp. °C
FORM-000 R 3.2 10/07/21	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	to celey.keene@cardinallabsnm.com



January 14, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LUSK SOUTH 28

Enclosed are the results of analyses for samples received by the laboratory on 01/12/22 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/12/2022 Reported: 01/14/2022

Project Name: LUSK SOUTH 28
Project Number: NONE GIVEN
Project Location: EUNICE, NM

Sampling Date: 01/12/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 4' (H220126-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/13/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	<10.0	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	74.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	75.3	% 59.5-14	2						

Applyand By MC/

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

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Received: 01/12/2022 Sampling Date: 01/12/2022

Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: SP 1 @ 5' (H220126-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	<10.0	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	74.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.3	% 59.5-14	2						

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Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/12/2022 Sampling Date: 01/12/2022 Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: SP 2 @ SURFACE (H220126-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.556	0.200	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	22.8	0.200	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	20.6	0.200	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	68.3	0.600	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	112	1.20	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	206	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/13/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1310	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	8740	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	1240	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	224	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	197	% 59.5-14	2						

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01/12/2022

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/12/2022 Sampling Date:

Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: SP 2 @ 1' (H220126-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	0.217	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/13/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.5	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	115	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	83.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.6	% 59.5-14	2						

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Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/12/2022 Reported: 01/14/2022

Project Name: LUSK SOUTH 28
Project Number: NONE GIVEN
Project Location: EUNICE, NM

Sampling Date: 01/12/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H220126-05)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/13/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	<10.0	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	76.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.0	% 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/12/2022 Reported: 01/14/2022

Project Name: LUSK SOUTH 28
Project Number: NONE GIVEN
Project Location: EUNICE, NM

Sampling Date: 01/12/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H220126-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/13/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	<10.0	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	79.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.6	% 59.5-14	22						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/12/2022 Sampling Date: 01/12/2022

Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: SP 2 @ 4' (H220126-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/13/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	18.0	10.0	01/14/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/14/2022	ND					
Surrogate: 1-Chlorooctane	69.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	67.8	% 59.5-14	2						

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Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/12/2022 Sampling Date: 01/12/2022

Reported: 01/14/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EUNICE, NM

Sample ID: SP 3 @ SURFACE (H220126-08)

BTEX 8021B	mg,	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2022	ND	1.97	98.4	2.00	7.12	
Toluene*	<0.050	0.050	01/13/2022	ND	1.90	95.1	2.00	7.81	
Ethylbenzene*	<0.050	0.050	01/13/2022	ND	1.92	96.1	2.00	7.61	
Total Xylenes*	<0.150	0.150	01/13/2022	ND	5.83	97.2	6.00	7.42	
Total BTEX	<0.300	0.300	01/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/13/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2022	ND	198	98.8	200	1.82	
DRO >C10-C28*	<10.0	10.0	01/13/2022	ND	180	90.2	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	01/13/2022	ND					
Surrogate: 1-Chlorooctane	81.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.1	% 59.5-14	2						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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YesYes No Corrected Temp. °C			#113 -0.5°C	ter ID Factor	Thermometer ID #1: Correction Factor -0.	1	CAH	Yes 4 Yes	☐ Yes	5.6	Corrected Temp. °C 5	Sampler - UPS - Bus - Other:	Sampler - UPS
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	S Ba	Standard Rush		nd Tim	Turnaround Time:	CHECKED BY:	CHECK	Sample Condition	Sample	1.0	Observed Temp. °C (p)	(Circle One)	Delivered By: (Circle One)
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			ble	r the the applica	d by the client for completion of t	o the amount pai ithin 30 days afte	hall be limited to d by Cardinal w	in contract or tort, s n writing and receive	g whether based of unless made in	claim arisin	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	y and Damages. Cardinal's liabi	PLEASE NOTE: Liability
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		*				Zip:		State:	8				Project Name:
								City:			Project Owner:		Project #:
						X	Address:	Add			Fax #:	4	
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SIS REQUEST	ANALYSIS					BILL TO	BIL					e: Down	Company Name:
										6	26 FAX (575) 393-2476	(575) 393-2326	



January 27, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LUSK SOUTH 28

Enclosed are the results of analyses for samples received by the laboratory on 01/21/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Project Number: SOUTH LUSK 28 Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: B 1 @ 2' (H220252-01)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.10	105	2.00	1.49	
Toluene*	<0.050	0.050	01/26/2022	ND	2.01	101	2.00	1.69	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.05	102	2.00	1.67	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.19	103	6.00	1.37	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	10.7	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene



Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: SOUTH LUSK 28 Jodi Henson

Project Location: EUNICE, NM

Sample ID: B 2 @ 2' (H220252-02)

3TEX 8021B		/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.10	105	2.00	1.49	
Toluene*	<0.050	0.050	01/26/2022	ND	2.01	101	2.00	1.69	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.05	102	2.00	1.67	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.19	103	6.00	1.37	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	56.0	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	98.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.9	% 59.5-14	2						

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Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022 Reported: 01/27/2022

ma/ka

Project Name: LUSK SOUTH 28
Project Number: SOUTH LUSK 28
Project Location: EUNICE, NM

Sampling Date: 01/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B 3 @ 2' (H220252-03)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.10	105	2.00	1.49	
Toluene*	<0.050	0.050	01/26/2022	ND	2.01	101	2.00	1.69	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.05	102	2.00	1.67	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.19	103	6.00	1.37	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	19.1	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	97.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.1	% 59.5-14	2						

Applyzod By: MC/

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Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: SOUTH LUSK 28 Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: B 4 @ 2' (H220252-04)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.10	105	2.00	1.49	
Toluene*	<0.050	0.050	01/26/2022	ND	2.01	101	2.00	1.69	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.05	102	2.00	1.67	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.19	103	6.00	1.37	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	93.8	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	34.5	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	95.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.5	% 59.5-14	2						

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Celeg & Frence



EUNICE, NM

ma/ka

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

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: SOUTH LUSK 28 Sample Received By: Jodi Henson

Applyzod By: MC/

Sample ID: B 5 @ 2' (H220252-05)

Project Location:

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.10	105	2.00	1.49	
Toluene*	<0.050	0.050	01/26/2022	ND	2.01	101	2.00	1.69	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.05	102	2.00	1.67	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.19	103	6.00	1.37	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	96.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.4	% 59.5-14	2						

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Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: SOUTH LUSK 28 Jodi Henson Project Location: EUNICE, NM

Sample ID: B 6 @ 2' (H220252-06)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	< 0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	99.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	98.3	% 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: SOUTH LUSK 28 Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: B 7 @ 2' (H220252-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	34.6	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	99.5	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact
Project Number: SOUTH LUSK 28 Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: B 8 @ 2' (H220252-08)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	27.8	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.5	% 59.5-14	2						

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Celey D. Keene



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 353-24110	BILL TO	ANALYSIS REQUEST
Company Name: 11000000	P.O. #:	
Address:	Company:	
City: 12 1206 State: NNZip: 82340	Attn:	
e#: Fax#:	Address:	
Project #: Project Owner:	City:	
Project Name:	State: Zip:	
) ()	Phone #:	
	Fax #:	
Sampler Name: () () () () () () () () () () () () ()	MATRIX PRESERV. SAMPLING	
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PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to me amount, part or properties of the applicable analyses. All claims including those for negligence and any other cause whatsoverer shall be deemed waived unless made in writing and necesived by Cardinal within 30 days after completion of the explicable analyses. All claims including those for negligence and any other cause whatsoverer shall be deemed waived unless made in writing and necesived by Cardinal within 30 days after completion of the explicable analyses. All claims including those for negligence and any other cause whatsoverer shall be deemed waived unless made in writing and necesived by Cardinal within 30 days after completion of the explicable	ether based in contract or tort, shall be limited to the arrival pains and less made in writing and received by Cardinal within 30 days after combines made in writing and received by Cardinal within 30 days after combines made in writing and received by Client, business interruptions, loss of use, or loss of profits incurred by client,	pplicable
service. In no event shall Cardinal be liable for independent of services hereunder by Cardinal, regardles affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardles	s of whether such claim is based upon any of the above stated leasons.	Verbal Result: Yes No Add'I Phone #:
Date:	Lowson	All Results are emailed. Please provide Email address:
Relinguished By: Date: Received By:	9	REMARKS:
remp. °C €	n CHECKED BY:	me: Standard ♥ E
Sampler - UPS - Bus - Other: Corrected Temp. °C 5, 8	as Pres	Thermometer ID #113 Correction Factor -0.5°C No No Corrected Temp. °C
+ Cardinal o	al changes.	Please email changes to celey.keene@cardinallabsnm.com



January 27, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LUSK SOUTH 28

Enclosed are the results of analyses for samples received by the laboratory on 01/21/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022 Reported: 01/27/2022

Project Name: LUSK SOUTH 28
Project Number: SOUTH LUSK 28
Project Location: EUNICE, NM

Sampling Date: 01/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: W 1 BGS 0-2' (H220253-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	93.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.1	% 59.5-14	2						

A I J D. ... 711

Cardinal Laboratories *=Accredited Analyte

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Celeg & Frence



Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022 Sampling Date: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: SOUTH LUSK 28 Jodi Henson Project Location: EUNICE, NM

Sample ID: W 2 BGS 0-2' (H220253-02)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	94.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	91.2	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022 Reported: 01/27/2022

Project Name: LUSK SOUTH 28
Project Number: SOUTH LUSK 28
Project Location: EUNICE, NM

Sampling Date: 01/21/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: W 3 BGS 0-2' (H220253-03)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	97.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	95.7	% 59.5-14	2						

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Celeg D. Freene



01/21/2022

Sampling Date:

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/21/2022

Reported: 01/27/2022 Sampling Type: Soil Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Project Number: SOUTH LUSK 28 Sample Received By: Jodi Henson

Project Location: EUNICE, NM

Sample ID: W 4 BGS 0-2' (H220253-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/26/2022	ND	2.12	106	2.00	0.616	
Toluene*	<0.050	0.050	01/26/2022	ND	2.24	112	2.00	1.43	
Ethylbenzene*	<0.050	0.050	01/26/2022	ND	2.11	105	2.00	1.00	
Total Xylenes*	<0.150	0.150	01/26/2022	ND	6.65	111	6.00	1.76	
Total BTEX	<0.300	0.300	01/26/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/26/2022	ND	173	86.7	200	6.76	
DRO >C10-C28*	121	10.0	01/26/2022	ND	226	113	200	3.26	
EXT DRO >C28-C36	26.8	10.0	01/26/2022	ND					
Surrogate: 1-Chlorooctane	98.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	102	% 59.5-14	2						

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Celeg D. Keene



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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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Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C Corrected Temp. °C

6 8,2

0

CHECKED BY:

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. '

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Cool Intact

A Yes A Yes

No No Sample Condition

Thermometer ID #113 Correction Factor -0.5°C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(575) 393-2326 FAX (575) 393-2476	476				1
Company Name:	- 1		BILL TO		ANALYSIS REQUEST	_
Project Manager:	0		P.O. #:			
Address:			Company:			
city: Hololos		State: N.M. Zip: 88340	Attn:			
Phone #:			Address:			
Project #:	Project Owner:	ח	City:			
Project Name:			State: Zip:			
Project Location:	in South laish 28		Phone #:		,	_
Sampler Name:	Land Just		Fax #:			
FOR LAB USE ONLY		MATRIX	PRESERV. SAM	SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	C/ CX+ TPH	В/вл	
	w) Bbs 0-2'	,	/ # TO	1010101 X X X X X X X X X X X X X X X X		
N (122 BC 0 27	00	7 - 22	X		_
4		-	1-21	0		
•						
PLEASE NOTE: Liability an	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	any claim arising whether based in contra	ct or tort, shall be limited to the amount pa	id by the client for the		L
analyses. All claims includi service. In no event shall Caffliates or successors arisi	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out or or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	deemed waived unless made in writing a g without limitation, business interruptions Cardinal, regardless of whether such clair	nd received by Cardinal within 30 days aften, loss of use, or loss of profits incurred by n is based upon any of the above stated re	pplicable		1
Relinquished By:	v: Date: / ` `	Received By:		Verbal Result: ☐ Yes	□ No Add'I Phone #:	
1		de de	MOM	All Results are emailed. Please provide Email address.	ase provide cinali address.	
Relinquished By:	Date:	Received By:		REMARKS:	(_



January 31, 2022

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

RE: LUSK SOUTH 28

HOBBS, NM 88240

Enclosed are the results of analyses for samples received by the laboratory on 01/25/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/25/2022
Reported: 01/31/2022

Project Name: LUSK SOUTH 28
Project Number: SOUTH LUSK 28
Project Location: EUNICE, NM

Sampling Date: 01/25/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B 9 @ 1' (H220291-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2022	ND	2.08	104	2.00	4.39	
Toluene*	<0.050	0.050	01/29/2022	ND	1.99	99.6	2.00	4.42	
Ethylbenzene*	<0.050	0.050	01/29/2022	ND	1.97	98.7	2.00	3.77	
Total Xylenes*	<0.150	0.150	01/29/2022	ND	5.95	99.1	6.00	3.49	
Total BTEX	<0.300	0.300	01/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/27/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	212	106	200	0.983	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	204	102	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	114 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118	% 59.5-14	2						

Applyand By MC/

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kune



Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/25/2022 Sampling Date: 01/25/2022 Reported: 01/31/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: SOUTH LUSK 28 Tamara Oldaker

Project Location: EUNICE, NM

Sample ID: B 10 @ 1' (H220291-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2022	ND	2.08	104	2.00	4.39	
Toluene*	<0.050	0.050	01/29/2022	ND	1.99	99.6	2.00	4.42	
Ethylbenzene*	<0.050	0.050	01/29/2022	ND	1.97	98.7	2.00	3.77	
Total Xylenes*	<0.150	0.150	01/29/2022	ND	5.95	99.1	6.00	3.49	
Total BTEX	<0.300	0.300	01/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/27/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	212	106	200	0.983	
DRO >C10-C28*	<10.0	10.0	01/27/2022	ND	204	102	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	111 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	6 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/25/2022 Sampling Date: 01/25/2022 Reported: 01/31/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: SOUTH LUSK 28 Tamara Oldaker

Project Location: EUNICE, NM

Sample ID: B 11 @ 1' (H220291-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2022	ND	2.08	104	2.00	4.39	
Toluene*	<0.050	0.050	01/29/2022	ND	1.99	99.6	2.00	4.42	
Ethylbenzene*	<0.050	0.050	01/29/2022	ND	1.97	98.7	2.00	3.77	
Total Xylenes*	<0.150	0.150	01/29/2022	ND	5.95	99.1	6.00	3.49	
Total BTEX	<0.300	0.300	01/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/27/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2022	ND	212	106	200	0.983	
DRO >C10-C28*	10.5	10.0	01/27/2022	ND	204	102	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	01/27/2022	ND					
Surrogate: 1-Chlorooctane	110 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	6 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 01/25/2022 Sampling Date: 01/25/2022

Reported: 01/31/2022 Sampling Type: Soil

Project Name: LUSK SOUTH 28 Sampling Condition: Cool & Intact Sample Received By: Project Number: SOUTH LUSK 28 Tamara Oldaker

Project Location: EUNICE, NM

Sample ID: B 12 @ SURFACE (H220291-04)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2022	ND	2.08	104	2.00	4.39	
Toluene*	<0.050	0.050	01/29/2022	ND	1.99	99.6	2.00	4.42	
Ethylbenzene*	<0.050	0.050	01/29/2022	ND	1.97	98.7	2.00	3.77	
Total Xylenes*	<0.150	0.150	01/29/2022	ND	5.95	99.1	6.00	3.49	
Total BTEX	<0.300	0.300	01/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/27/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	210	105	200	6.76	
DRO >C10-C28*	55.8	10.0	01/28/2022	ND	252	126	200	3.17	
EXT DRO >C28-C36	10.6	10.0	01/28/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. 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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



1_	(575) 393-2326 FAX (575) 393-2476			
Company Name: Approch		BILL TO	ANALYSIS	REQUEST
Project Manager: Bruce	Bulley	P.O. #:		
Address:		Company:		
city: Holds	State: WWZip: SS 24()	Attn:		
Phone #:	Fax #:	Address:		
Project #:	Project Owner:	City:		
Project Name:		State: Zip:		
Project Location: South	List 250	Phone #:		
Sampler Name: \	Science Ja	Fax #:		
FOR LAB USE ONLY	P. MATRIX	PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	EXT TPH BTEX	
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NO OF	Ci	1-25	X	
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**LEASE NOTE: Liability and Damages. Cardinal's liability and Damages. Cardinal's liability inalyses. All claims including those for negligence and an ervice. In no event shall Cardinal be liable for incidental of the control of the control of the cardinal be liable.	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or ord, shall be limited to the amount paid by the client of the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writin 30 days after completion of the applicable particle. In no event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of use, or loss of the characteristic particle is subsidiaries, and the property of the characteristic particle is a subsidiaries.	tract or tort, shall be limited to the amount part and a received by Cardinal within 30 days aft g and received by Cardinal within 30 days and grant and a state of the state	or completion of the applicable collent, is subsidiaries,	
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Delivered By: (Circle One)	Observed Temp. °C O. 4 Sample Condition	dition CHECKED BY:	Turnaround Time: Standard M Bacteria (on Rush Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C O. / Tyes Tyes No No No	4		0 %
FORM-000 R 3.2 10/07/21				



January 31, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

RE: LUSK SOUTH 28

HOBBS, NM 88240

Enclosed are the results of analyses for samples received by the laboratory on 01/25/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/25/2022 Reported: 01/31/2022

Project Name: LUSK SOUTH 28
Project Number: SOUTH LUSK 28
Project Location: EUNICE, NM

Sampling Date: 01/25/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 5 BGS 1-2' (H220292-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2022	ND	2.08	104	2.00	4.39	
Toluene*	<0.050	0.050	01/29/2022	ND	1.99	99.6	2.00	4.42	
Ethylbenzene*	<0.050	0.050	01/29/2022	ND	1.97	98.7	2.00	3.77	
Total Xylenes*	<0.150	0.150	01/29/2022	ND	5.95	99.1	6.00	3.49	
Total BTEX	<0.300	0.300	01/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/27/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	210	105	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	252	126	200	3.17	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

Applyand By MC/

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



01/25/2022

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 01/25/2022

Reported:01/31/2022Sampling Type:SoilProject Name:LUSK SOUTH 28Sampling Condition:Cool & IntactProject Number:SOUTH LUSK 28Sample Received By:Tamara Oldaker

Sampling Date:

Project Location: EUNICE, NM

Sample ID: W 6 BGS 0-1' (H220292-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2022	ND	2.08	104	2.00	4.39	
Toluene*	<0.050	0.050	01/29/2022	ND	1.99	99.6	2.00	4.42	
Ethylbenzene*	<0.050	0.050	01/29/2022	ND	1.97	98.7	2.00	3.77	
Total Xylenes*	<0.150	0.150	01/29/2022	ND	5.95	99.1	6.00	3.49	
Total BTEX	<0.300	0.300	01/29/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/27/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2022	ND	210	105	200	6.76	
DRO >C10-C28*	<10.0	10.0	01/28/2022	ND	252	126	200	3.17	
EXT DRO >C28-C36	<10.0	10.0	01/28/2022	ND					
Surrogate: 1-Chlorooctane	109	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	107	% 59.5-14	22						

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Celey D. Kreine



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 8824 (575) 393-2326 FAX (575) 393-247	CARDIN Laborator
, NM 882 5) 393-24	ries

101 East Marland, Hobbs, NM 88240		
(575) 393-2326 FAX (575) 393-2476	BILL TO	ANALYSIS REQUEST
Company Name: Apos V		
Project Manager: Richer Balites	T.V. T.	
Address:	Atta.	
City: H. W.S. State: N. L. Zip: 88240	Attn:	
e#:	Address:	
	City:	
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Project Name:	Dhone #	
Project Location: South Lugle 28	Fnone #.	
Down Chile Sciller JC.	PRESERV. SAMPLING	ING
DOR (C)OMP. AINERS DWATER	: ASE: DOL	EX
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	act or tort, shall be limited to the amount peid and received by Cardinal within 30 days after	by the client for the completion of the applicable
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Time: /5	Makak	BULLE LOSE
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Sampler - UPS - Bus - Other: Corrected Temp. °C O, I Yes I Yes	No Y	Correction Factor -0.5°C NO NO NO CONTECTED ISSUED
FORM-000 R 3.2 10/07/21	hanges. Please email cha	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinaliabsnm.com

Page 5 of 5



February 09, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: LUSK SOUTH 28

Enclosed are the results of analyses for samples received by the laboratory on 02/08/22 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 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



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 02/08/2022

Reported: 02/09/2022

Project Name: LLISK SOUTH 28

Project Name: LUSK SOUTH 28
Project Number: NOT GIVEN
Project Location: EUNICE, NM

Sampling Date: 02/08/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: W 4 BGS 0-2' (H220486-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2022	ND	2.03	102	2.00	6.67	
Toluene*	<0.050	0.050	02/09/2022	ND	1.98	99.0	2.00	7.69	
Ethylbenzene*	<0.050	0.050	02/09/2022	ND	1.90	95.0	2.00	8.46	
Total Xylenes*	<0.150	0.150	02/09/2022	ND	5.90	98.4	6.00	8.39	
Total BTEX	<0.300	0.300	02/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2022	ND	212	106	200	1.75	
DRO >C10-C28*	<10.0	10.0	02/09/2022	ND	225	112	200	0.235	
EXT DRO >C28-C36	<10.0	10.0	02/09/2022	ND					
Surrogate: 1-Chlorooctane	91.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	2						

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Celey D. Keine



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432

Received: 02/08/2022

ma/ka

Reported: 02/09/2022 Project Name: LUSK SOUTH 28

Project Name: LUSK SOUTH 28
Project Number: NOT GIVEN
Project Location: EUNICE, NM

Sampling Date: 02/08/2022

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B 4 @ 3' (H220486-02)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	02/09/2022	ND	2.03	102	2.00	6.67	
<0.050	0.050	02/09/2022	ND	1.98	99.0	2.00	7.69	
<0.050	0.050	02/09/2022	ND	1.90	95.0	2.00	8.46	
<0.150	0.150	02/09/2022	ND	5.90	98.4	6.00	8.39	
<0.300	0.300	02/09/2022	ND					
102 9	% 69.9-14	0						
mg/kg		Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	02/09/2022	ND	400	100	400	3.92	
mg/kg		Analyzed By: CK						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/09/2022	ND	212	106	200	1.75	
<10.0	10.0	02/09/2022	ND	225	112	200	0.235	
<10.0	10.0	02/09/2022	ND					
90.9	% 66.9-13	6						
101 9	% 59.5-14	2						
-	<0.050 <0.050 <0.050 <0.150 <0.300 102 9 mg/ Result <16.0 mg/ Result <10.0 <10.0 <90.9 9	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 102 % 69.9-14 mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <66.9-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Applyzod By: MC/

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Celey D. Keene



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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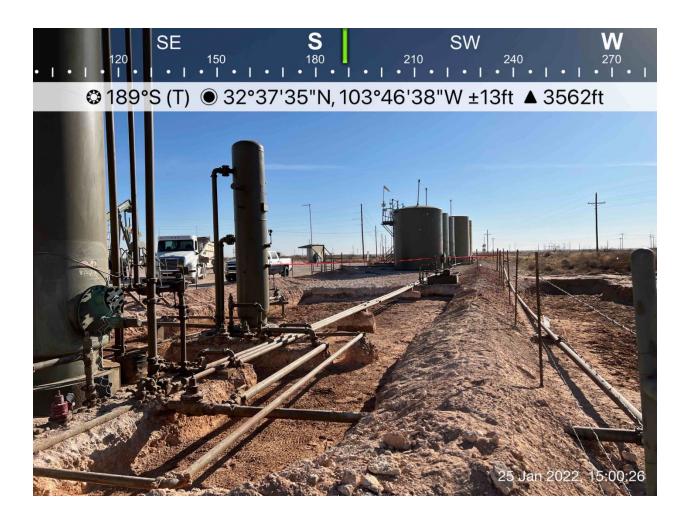
Celey D. Keene

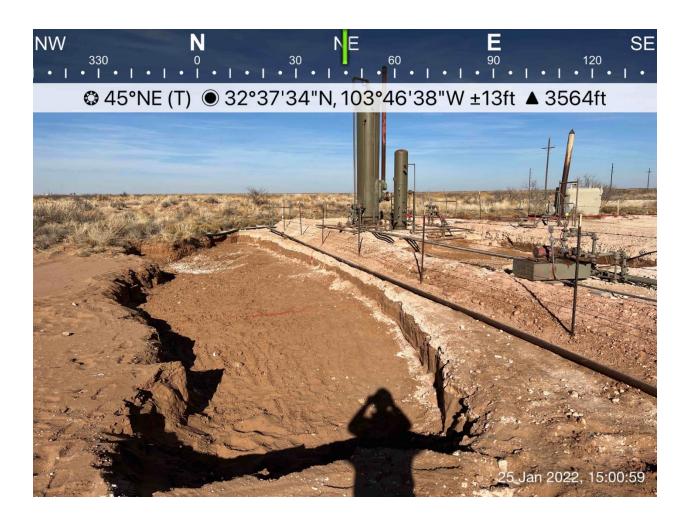
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(010) 000-2020 1 701 (010)	100 = 110		דפוופד הומיו וויי	
Company Name:	Done ho		BILL TO	ANALYSIS REQUEST	
Project Manager:	00		P.O. #:		
Address:	3-2		Company:		
city: Hobbs	State	States M. Zip: 88240	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Owner:	Owner:	City:		
Project Name:	4		State: Zip:		
Project Location:	" South lust 28		Phone #:		
Sampler Name:	Sac Quital		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	C/ BTEX EXT TPH	
from too	124 BGS 0-2'		_	1104	
2	B463'	2	1 2/8	1 1 1 55"	
PLEASE NOTE: Liability an analyses. Ali claims includir	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause what are considered analyses.	medy for any claim arising whether based in contract er shall be deemed waiwed unless made in writing an including without limitation, business interruptions.	t or tort, shall be limited to the amount paked to received by Cardinal within 30 days after loss of use, or loss of profits incurred by co	by the client for the completion of the applicable ent. its subsidiaries,	
affiliates or successors arising Relinquished By:	affiliates or successors arising out of or related to the performance of services hereundar by Cardend, regard sess of whether such claim is based upon any of the above same area. Received By: Time: Tim	Received By:	is based upon any of the above same is	sons of collegement. Werbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:	D	Received By:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 4.8 Sample Condition Cool Intact	tion CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. Thermometer ID #113 Standard Pes Yes Rush No. Corrected Temp.	ample Condition Observed Temp. °C
				NO.	T. UMDI DOTO













Lusk South 28 Federal CTB
nAPP21133448368
Revegetation
And
Noxious Weed Plan

Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and reseeded with BLM # 2. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

Noxious Weed Plan:

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

District III

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 84578

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	84578
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	By Condition	Condition Date
chens	ey Closure report approved.	3/25/2022