



303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

June 4, 2024

Re: NEDU 613 Case nAPP240744539

Background:

On 03/07/2024 a release occurred due to corrosion on a 6" steel injection line. The release (GPS: 32.4802054, -103.1438498) is located north of Eunice, New Mexico in unit letter H section 15 township 19S range 36E. Using data collected from the closure reported submitted and closed by OCD 07/06/2022 for the NEDU 627 Pit 1RP-1357. The soil bores conducted in 2019 demonstrated the presence of no groundwater.

Discrete vertical and horizontal grab samples were collected to delineate the release. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

Remediation Plan:

Apache Corporation proposes that the release area to be excavated to depths ranging from 2 to 4 feet. Final 5-point bottom and wall samples will be collected not to exceed 400 square feet. All samples collected will be submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated (2,176 yards) soil will be disposed of at an OCD approved disposal facility. Once Laboratory results are less than table one standards for releases greater than 100 feet to groundwater and the reclamation are achieved the excavation will be backfilled with clean imported topsoil to ground to ground surface and contoured to the surrounding area. The disturbed area will be reseeded in accordance with the revegetation and noxious weed plan. The remediation will be completed within 90 days of OCD and SLO approval of the plan.

Enclosed: C-141, Groundwater Data (1RP-1357 Closure Report), Maps, Sample Data, and Laboratory Results.

Submitted by.

larry Baker

Environmental Technician larry.baker@apachecorp.com Office # 432-818-1654 Cell# 432-250-8384

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Oil Conservation Division

Incident ID	
District RP	
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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?	<u>> 100 (ft bgs)</u>
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 contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- \checkmark 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: 6/4/202	A 3:15:30 PM State of New Me	vico	Page 3 of 1				
			Incident ID				
Page 4	Oil Conservation D	1V1S10n	District RP				
			Facility ID				
			Application ID				
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Larry Ba	ormation given above is true and comp required to report and/or file certain r ment. The acceptance of a C-141 repo gate and remediate contamination that of a C-141 report does not relieve the or aker apachecorp.com	elease notifications and perform c ort by the OCD does not relieve th pose a threat to groundwater, surf operator of responsibility for comp 	orrective actions for releases e operator of liability should ace water, human health or t pliance with any other federa	s which may endanger I their operations have he environment. In			
OCD Only Received by:		Date:					

Received by OCD: 6/4/2024 3:15:30 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 \blacksquare Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.					
Contamination must be in areas immediately under or around pr deconstruction.	oduction equipment where remediation could cause a major facility					
Extents of contamination must be fully delineated.						
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.					
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of					
Printed Name: Larry Baker	Title: Environmental Specialist Sr.					
Printed Name: Larry Baker Signature: Larry Baker email: larry.baker@apachecorp.com						
_{email:} larry.baker@apachecorp.com	Date: <u>6/04/2024</u> Telephone: <u>432-250-8384</u>					
OCD Only						
Received by:	Date:					
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved					
Signature:	Date:					

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Received by OCD - 10/31/2019 1-47-29 PM Received by OCD: 6/42024B215:302PMM DAVID #LATHLR ENVIRONMENTAL SUPERVISOR DIRECT- (432) 818-1615 E-MAIL: DAVID.FEATHER @ Al'ACHECORI/COM

October 30, 2019

Mr. Bradford Billings State of New Mexico Oil Conservation Division 1220 South St Francis Drive Santa Fe, NM 87505

RE: 1RP-1357 NEDU 627

Mr. Billings,

In compliance with 19.15.29.15(B) NMAC and the agreement submitted by Apache Corporation on November 8, 2018, Apache Corporation is submitting information related to pit closure. Apache is respectfully submitting the closure report based on studies occurring in 2019 that demonstrate the site meeting the requirements of the agency. Unless further information is requested by NMOCD, Apache Corporation considers this release closed.

If there are any questions, please feel free to contact me by telephone at 432-818-1615 or by e-mail at David.Feather@ApacheCorp.com.

Sincerely,

David Feather Environmental Supervisor Apache Corporation - Permian Basin Region

Attachment: Closure Report Dated October 25, 2019

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APACHE CORPORATION – PERMIAN BASIN REGION – 303 VEH RANS AIREARE LASE. STE 3000, MIDLAND TEXAS 79705 –



Bruce Baker

Northeast Drinkard Unit #627

Closure Report

API NO. 30-025-37029

RP-1357

Pit Closure

U/L E, Section 14, Township 21S, Range 37E

Lea County, NM

10/25/19

Prepared By: Hungry Horse, LLC 4024 Plains Hwy Lovington, NM 88260



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October 25, 2019

New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District I 1625 N. French Dr. Hobbs, NM 88240-9273

> RE: TERMINATION REQUEST Apache Corporation -- Northeast Drinkard Unit #627 (NEDU #627) U/L E, Section 14, Township 215, Range 37E API No. 30-025-37029

To Whom it May Concern,

Apache Corporation has retained Hungry Horse, LLC to address the potential pit concerns at the site referenced above. Hungry Horse, LLC has prepared this Closure Report that demonstrates the drilling pit associated with the NEDU #627.

Background and Previous Work

Apache Corporation has submitted the initial C-144 for the proposed Pit Closure Plan for the NEDU #627 on November 30th, 2005. The plan was stated as follows:

- Pit will be closed using the trench bury procedure
- Excavate a trench adjacent to the drilling pit, line with a 12mil liner and place the contents of the drilling pit in the trench
- Cover the trenched area with a 20mil liner and 3' of clean soil
- Contour, level and seed
- Notify the OCD before starting and file sundry notice after closing of the pit.

The NMOCD approved the Pit Closure Plan on November 30th, 2005. On or before October 14th, 2005 Environmental Plus, Inc. began the transfer of the pit materials.

A total of six bottom hole and ten sidewalls samples were obtained. Below are the samples obtained for delineation purposes (Table I Sampling) on or before February of 2006.

Sample ID	Depth	Soil	Sample Date	Field Chloride	Lab BTEX	Lab TPH	Lab Chi
ENSW-5	5'	IN-SITU	2/14/2006	640	0	0	192
ESSW-5	5'	IN-SITU	2/14/2006	400	0	0	16
EESW-5	5'	IN-SITU	2/14/2006	4000	0	0	17195
SWSW-4	4'	IN-SITU	2/14/2006	4000	0	0	19594
WSSW-4	4'	IN-SITU	2/14/2006	640	0	0	272
WNSW-4	4'	IN-SITU	2/14/2006	960	0	<20	480
NWBH	14'	EXCVATED	2/14/2006	4000	0	<20	13996
NEBH	14'	EXCVATED	2/14/2006	4000	0	<20	2175

SEBH	14'	EXCVATED	2/14/2006
SWBH	14'	EXCVATED	2/14/2006
WEST TRENCH-14	14'	EXCVATED	2/14/2006
WEST TRENCH-19	19'	IN-SITU	2/14/2006
WEST TRENCH-24	24'	IN-SITU	2/14/2006

WEST TRENCH-19	19'	IN-SITU	2/14/2006	4000	0	<20	8157
WEST TRENCH-24	24'	IN-SITU	2/14/2006	380	0	0	96
WEST TRENCH-29	29'	IN-SITU	2/14/2006	380	0	<20	144
EAST TRENCH-14	14"	EXCVATED	2/14/2006	2800	0	0	1727
EAST TRENCH-19	19'	IN-SITU	2/14/2006	1280	0	<20	912

On or before November 7th, of 2006 EPI obtained four sample of the fluid in the pit area and below you will find the data provided:

1600

4000

4000

<20

<20

0

0

0

0

9757

688

21993

							TTL-					рH	
Sample ID	Date	NA	CA	Mg	ĸ	Cond	Alk	CI	SO	co	HCO	(s.u)	TDS
W-18'	11/7/2006	40975	3206	972	4 65	183200	110	69978	2895	0	134	6.48	212000
C-22'	11/7/2006	41183	2806	729	305	126200	110	68979	2563	0	134	6.93	117360
SE-22"	11/7/2006	15233	1603	729	93	62700	130	27591	1201	O	159	6.94	51550
Chaparral Brine	11/7/2006	124790	1202	2430	1135	278400	110	195939	9273	0	134	6.61	333420

On or before November 22nd of 2006, EPI continued to delineate the pit area, data is found below and in the Table 2 form attached herein:

Sample ID	Depth	Soil	Sample Date	Field Chloride	Lab BTEX	Lab TPH	Lab Chi	
NSW11-12'	12'	IN-SITU	11/22/2006	400	0	0	160	
NSW12-12	12'	IN-SITU	11/22/2006	240	0	0	48	
NSW13-6'	6'	IN-SITU	11/22/2006	560	0	0	800	
WSW14-7'	7'	IN-SITU	11/22/2006	400	0	0	240	
WSW15-6'	6'	IN-SITU	11/22/2006	480	0	0	640	
WSW16-12'	12'	IN-SITU	11/22/2006	240	0	0	48	
WSW17-11'	11'	IN-SITU	11/22/2006	240	0	0	64	
WSW18-12'	12'	IN-SITU	11/22/2006	160	0	0	48	
SSW19-6'	61	IN-SITU	11/22/2006	400	0	0	240	
SSW20-7'	7'	IN-SITU	11/22/2006	240	0	0	48	
SSW21-6'	6'	IN-SITU	11/22/2006	240	0	0	32	
SSW22-12'	12'	IN-SITU	11/22/2006	240	0	0	336	
SSW23-6'	6'	IN-SITU	11/22/2006	240	0	0	64	
SSW24-12'	12'	IN-SITU	11/22/2006	160	0	0	224	
BH25-19'	19'	IN-SITU	11/22/2006	0	0	0	8317	
BH26-19'	19'	IN-SITU	11/22/2006	0	0	0	2607	
BH27-19'	19'	IN-SITU	11/22/2006	0	0	0	11676	
BH28-19'	19'	IN-SITU	11/22/2006	0	0	0	13356	
BH29-19'	19'	IN-SITU	11/22/2006	0	0	0	160	

In February of 2007 Hungry Horse obtained a water sample from the pit area. Comparison of the November of 2006 to February of 2007 sample data shows a drastic decline in the minerals, salts, metals, cations or anions better known as TDS (Total Dissolved Solids). The confirmed lab analysis is below:

Sample ID	Date	NA	CA	Mg	к	Cond	TTL- Alk	CI	so	со	нсо	pH (s.u)	TDS
Pit Water	2/27/2007	8373	2428	1755	67.5	53300	96	21393	1299	0	117	6.98	40592

In March of 2007 another sampling event occurred comparing the injection well fluid and fluid from the wellhead. The confirmed lab analysis for TDS is below.

Sample ID	Date	NA	CA	Mg	к	Cond	TTL- Alk	СІ	so	со	нсо	pH (s.u)	TDS
Inj. Well	3/16/2007	7276	2295	222	199	39000	372	13696	2939	0	454	7.94	29764
Wellhead	3/16/2007	9344	2462	484	220	48600	280	17794	3262	0	342	8.07	36048

On April 17th of 2007, continued sampling occurred comparing the East Trench at 22'bgs and on the SE Corner of the Pit. The lab confirmed the following analysis below:

Sample ID	Date	NA	CA	Mg	к	Cond	TTL- Alk	сі	50	со	нсо	pH (s.u)	TDS
E. Trench 22'bgs	4/17/2007	7223	2794	1230	122	47200	98	18794	1286	0	117	7.04	36336
SE Corner of Pit	4/17/2007	1782	938	456	31.5	15210	60	5338	536	0	73	7.47	11210

Please also see the attached documentation that has been uploaded into the NMOCD Database, this information is attached accordingly.

Groundwater Information

According to the New Mexico Office of the State Engineer, the ground water closest to the site is 57'bgs. Below you will find the two wells showing ground water information for the site listed herein:

CP-01574-POD1: 547' from the site at 57'DGW CP-01574-POD2: 563' from the site at 57'DGW

Hungry Horse used the depth of ground water found above as the basis of the Closure Criteria for Soils impacted by a release and is listed below for the new rule dated August 14th, 2018. No soil remediation will be taking place for this site, unless found required by the NMOCD. Please see the groundwater information provided below:

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Depth	Constituent	Method	Limit
51' to			
100'	Chloride	EPA 300.00 or SM4500 CL B	10,000 mg/kg
	TPH (GRO, DRO, MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Soil Boring

Hungry Horse, LLC went back out to the site on June 24th of 2019 to begin the subsurface investigation to determine depth to ground water at this site. Six boreholes were drilled, which includes SB1 thru SB6 (see attached map). The depths for the above-mentioned boreholes ranged from 28' to 198'bgs. Each borehole contained an impervious clay barrier which was first encountered at depth from 12' to 22'bgs (see attached Soil Boring Logs). Below you will find the Soil Boring Data:

Soil Boring ID	Depth Bored	Soil/AVG	Boring Date	Clay Depths
SB#1	198'	Clay	7/8/2019	20-198'
SB#2	34'	Clay	7/8/2019	22-34
SB#3	34'	Clay	7/9/2019	16-34"
SB#4	28'	Clay	7/12/2019	17-28'
SB#5	30'	Clay	8/8/2019	12-30'
SB#6	104'	Clay	8/8/2019	16-104'

SB #1 was drilled up-gradient northwest of the pit to a total depth of 198'bgs, containing 93' of an impervious clay barrier and was dry, no groundwater encountered. SB #6 was also drilled up-gradient E/NE of the pit to a total depth of 104'bgs, containing 84' of an impervious clay barrier and was dry, no groundwater encountered.

SB #2, SB #3, SB #4 and SB #5 were drilled downgradient in a south easterly direction (see attached Site Map for details). SB#2 (18'bgs) thru SB#5 (22'bgs) contained perched drilling fluids (see attached Soil Boring Logs).

On August 8th of 2019, Hungry Horse took a subsurface soil sample at the center of the pit known as SB #5 (Sample ID: MW5-32'bgs on lab analysis). No monitoring well was installed, COC (Chain of Custody was mislabeled). This sample was obtained at 32'bgs and was sent to Cardinal Laboratories (H902797) for confirmation. The confirmed lab analysis for SB #5 is as follows:

Sample ID	Depth	Soil	Sample Date	Lab BTEX	Lab Chi	Lab TPH
MW5 (SB#5)	32'	Clay	8/8/2019	<0.300	3400	<10

Natural phytoremediation is taking place at this site. Dense, healthy mesquite bushes populate the old pit area. These mesquites are 2' to 3' taller than the mesquites on the undisturbed surrounding pasture (see site photos).

Conclusion

Hungry Horse, LLC would like to request closure for the drilling pit associated with the NEDU #627 for Apache Corporation. The historical and current information which is detailed herein, indicates that groundwater is not present upgradient on the West, Northwest or Northeast area surrounding the drilling pit. This data confirms that the NEDU #627 location is an exception to the recorded groundwater data in this area based on the New Mexico Office of the State Engineer Database. (Please also see the Site Maps at the end of this report, which shows the Open Pit, Closed Pit and Current site views).

Hungry Horse along with Apache Corporation believes that the recent soil boring activity indicates that there is no groundwater present at this site. The Lab Analysis dated August 19th of 2019 (Cardinal Lab Report H902797) indicates that the fluids obtained from the center of the pit which was encountered on August 8th of 2019 is definitely non-potable perched drilling fluids. SB #1 thru #6 all exhibit a uniform depositional sequence of impervious clay that ranges from a minimum of 12' to 105' in thickness.

Apache Corporation appreciates the opportunity to work with you on this project. Please contact Bruce Baker at 432-631-6982 if you have any questions or concerns.

Si icerel

Kathy Rivera Environmental Office Manager Hungry Horse, LLC. 4024 Plains Highway Lovington, NM 88260 Cell (575) 441-4374 krivera@hungry-horse.com

Attachments:

Pit Registration C-144 (1-03-2005) Initial C-144 (11-30-2005) NMOCD Historical Report Historical Sample Data Groundwater Information Soil Boring Map Soil Boring Data Current Pit Sampling Data Current Pit Lab Analysis Site Photos Open Pit Site Map Closed Pit Site Map Current View Site Map Dec-30-2004 06:14pm

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From-APACHE CORP DRILLING DEPT

9184914869

P-002/007 F-600 T-522

Form C-144 July 29, 2004

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec. NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

The second	de Tank Registration or Closu k covered by a "general plan"? Yes No	
Type of action: Registration of a pit of action: Apache Compration	r below-grade Bank M Chaldre of a part of beauty and	
erator:Apache Compration		
detress: <u>Two Warren Place, Suite 1500. 6120 S. Yale Tulsa Oklahoma</u> activess: <u>NEDU #627</u> API #: 30.025- 3/	OF QU/QUE B_Sec_14_T_21S_R_37E	
ounty: <u>[ea</u> Latinulc_32°28'47.01"N Longitude 103°C)8"28.28"W NAD: 1927 🛛 1983 🗍 Sufface Ow	ner Foderal 🛄 State 🖉 Private 🛄 Indian 🛄
12	Relow-grade tonk	
voe: Drilling 🔀 Production 🗔 Disposal 🗔	Volume:bbi Type of fluid:	
Workover 🗖 Emergency	Construction material	-
ined 🖾 Unlined 🗋	Double-walled, with leak detection? Yes [] If no	
iner 1996: Synthetic 🛛 Thickness <u>12</u> mil Clay 🗋 Volume <u>7105</u> bbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet - 70 ft	(10 points) 10 Pts
vater elevation of ground water)	100 feet or more	(0 points)
	Yes	(20 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 free from all other water sources.)	No	(0 points)
	Less than 200 for	(20 points)
Distance to surface water: (horizontal distance to all wetlands, playay,	200 feet or more, but less than 1000 feet	(10 points)
rrigation canals, ditches, and perennial and ophemeral watercourses.)	1000 feet or more	(<u>Opoints</u>)
	Ranking Scure (Total Points)	10 Points
If this is a pit choure: (1) attach a diagram of the facility showing the pit	's relationship to other equipment and tanks. (2) Indi	icate disposal locution.
		iction taken including remediation start date and
date. (4) Groundwatet encountered: No [] Yes [] If yes, show depth be	low ground surfacefL and attach sam	aple results. (5) Attach soil samplo results and a
diagram of sample locations and excavations.		
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines Date: 12/30/2004	, a general per par t _{ent} s (h: above-described pit or below-grade pink h OCD-approved plan [].
Printed Name/Title_Glenn Bone - Drilling Engineer	Signaturo	of the pit of tank contaminate ground water of
Your certification and NMOCD approval of this application/closure does n otherwise endanger public health or the environment. Nor does it relieve th regulations.	to relieve the operator of inspirity should the contract the operator of its responsibility for compliance with a	iny other federal, state, or local laws and/or
Approval:		
Date:		
Printed NajAM 10_3_2005	Signature	
PETROLEUM ENGINEER		
- <u>1</u>	The second se	



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District)	State of New Mexico	Form C-144
1625 N. French Dr., Hobbs, NM 88240 District (I Energy N 1301 W. Grand Avenue, Artesia, NM 88210	finerals and Natural Resources	June 1, 2004
District III Oil	Conservation Division	For drilling and production facilities, submit to appropriate NMOCD District Office.
1000 Rio Brazos Road, Aztec, NM 87410 District IV 122	0 South St. Francis Dr.	For downstream facilities, submit to Santa Fe
1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	office
	ade Tank Registration or	
Is pit or below-grade ta Type of action: Registration of a pit	nk covered by a "general plan"? Yes or below-grade tank Closure of a pit or	s 🕅 No 🗋 . below-grade tank 🕅
	C C	
	me: 918.491.4980 e-mail addr	
Address: 6 20 5. Yole, Seit, 1500 Facility or well name: MEDU 4627 API#:	Tulso OK 74 20. 025. 37029U/LarQu/	
County:		2 LO3 09 28 NAD: 1927 [] 1983 []
Surface Owner: Federal 🗍 State 🛄 Private 🔀 Indian 🗍		
Pit	Below-grade tank	
Type: Drilling 🕼 Production 🗋 Disposal 🗍	Volume:bbl Type of fluid:	if
Workover 🗋 Emergency 🗋	Construction material:	
Lined 🖪 Unlined 🗋	Double-walled, with leak detection? Yes	If not, explain why not.
Liner type: Synthetic Thickness 12 mil Clay		
Pit Volume 710 bbl	Less than 50 feet	(20 - cite)
Depth to ground water (vertical distance from bottom of pit to seasonal	<u>50 feet or more, but less than 100 feet</u>	(20 points)
high water elevation of ground water.) 70 ft.	100 feet or more	(0 points)
······	Yes	
Wellhead protection area: (Less than 200 feet from a private domestic		(20 points)
water source, or less than 1000 feet from all other water sources.)	<u>No</u> .	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet 1000 feet or more	
	Ranking Score (Total Points)	100 23 75 2
If this is a pit closure: (1) Attach a diagram of the facility showing the pit		
your are burying in place) onsite 🔣 offsite 🔲 If offsite, name of facility_		general description of rentedial action taken including
remediation start date and end date. (4) Groundwater encountered: No		faceft. and attach sample results.
(5) Attach soil sample results and a diagram of sample locations and excave	<u>-1 0 4</u>	
Additional Comments: Plan & Tranck burn	ansite, excender	Trend adjacant i
drukting fit line with (2mil	Clastic, put contail	a drulling pit in
French, cover with 20 mil p	Jashing and 3/T &	7 clean Sort
Landaum Unit and Eard :	4- 011	
Notify that a co before day	ling and file sum	dry volice after closing.
will begin soon after approv		
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guidelin	t of my knowledge and belief. I further cert	ify that the above-described pit or below-grade tank
Date: 11 30 05		y approver par (1).
Printed Name/Title ELL. L. San. Acou	Signature	
Your certification and NMOCD approval of this application/closure does		
otherwise endanger public health or the environment. Nor does it relieve regulations.	the operator of its responsibility for complian	ice with any other federal, state, or local laws and/or
f		
Approval: Printed Name/Title GARY W. WINK STAFFN	ne Maili) in a milanter
	of Signature - Mary W. W.	Date: 11 JOID

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Natrict I 625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-144 Revised April 3, 2017 For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
Proposed Alte	Pit, Below-Grade Tank, or ernative Method Permit or Closure F	Plan Application
Permi Permi Pit #1 Closure Report	y grade tank registration t of a pit or proposed alternative method re of a pit, below-grade tank, or proposed alternati fication to an existing permit/or registration re plan only submitted for an existing permitted of hod	

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

Operator:Apache CorporationOGRID #:873	
Pacility or well name:NEDU #627 (Northeast Drinkard Unit #627)	
API Number:	
U/L or Qtr/QtrESection14Township21SRange37ECounty:Lea County Center of Proposed Design: Latitude32.47980Longitude103.14160NAD8 Surface Owner: [] Federal [] State [] Private [] Tribal Trust or Indian Allotment 2 [] Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: [] Drilling [] Workover [] Permanent [] Emergency [] Cavitation [] P&A [] Multi-Well Fluid ManagementLow Chloride Drilling Fluid [] yes [] [] Lined [] Unlined Liner type: Thickness12mil [] LLDPE [] HDPE [] PVC [] Other	
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Surface Owner: Pederal Surface Owner: Pederal String String Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid Styles Lined Unlined Liner type: Thickness String-Reinforced Surface Liner Seams: Welded A Multi-Well Fluid Management Low Chloride Drilling Fluid Styles String-Reinforced Liner Seams: Welded Factory Other Volume:	
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□ Lined □ Unlined Liner type: Thickness12mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Liner Seams: ○ Welded □ Factory □ Other Volume: _7105bbl Dimensions: L x W Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:bbl Type of fluid: Tank Construction material: □ Secondary containment with leak detection □ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off □ Visible sidewalls and liner □ Visible sidewalls only □ Other Liner type: Thicknessmil □ HDPE □ PVC □ Other Atternative Method: ubmittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration Cancer of the strenge: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) □ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, h straitution or church) □ Four foot height, four strands of barbed wire evenly spaced between one and four feet	
□ String-Reinforced Liner Seams: ○ Welded □ Factory ○ Other] no
Liner Seams: Welded Factory Other Volume: _7105bbl Dimensions: Lx W	
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Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:	
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Visible sidewalls and liner Visible sidewalls only Other Liner type: Thickness	
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☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet	ърнан,
Anemate. Prease specify	
Alternate. Please specify Form C-144 Oil Conservation Division Page 1 of 6	
Form C-144 Oil Conservation Division Page 1 of 6	

Vetting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other_

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19,15,17,11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances and Exceptions:

7.

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

- □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.
- Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - INM Office of the State Engineer - iWATERS database search; IUSGS; IData obtained from nearby wells	□ Yes □ No □ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells	Yes No NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗆 Yes 🗋 No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes 🗌 No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes 🗌 No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes 🛄 No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes 🗌 No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption:. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	Wd
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	Yes N
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes NOCU19
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock vatering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes 🗋 Nia
Form C-144 Oil Conservation Division Page 2 of	6 Seleased to
Sec. 1	20 X

US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Cemporary Pit Non-low chloride drilling fluid Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole. Yes S Within 300 feet of a continuously flowing watercourse, shoul, hospital, institution, or church in existence at the time of initial application. Yes S Within 300 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock vatering purposes, or 1000 feet of any other fresh water well used by less than five households for domestic or stock vatering purposes, or 1000 feet of any other fresh water well used by less than five households for domestic or stock vatering purposes, or 1000 feet of any other fresh water well used by less than five households for domestic or stock vatering purposes, or 1000 feet of any other fresh water well used for any. Visual inspection (certification) of the proposed site Permanent Pit or Multi-Well Fluid Management Pit Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa ake (measured from the ordinary high-water mark). Topographic map: Visual inspection (certification) of the proposed site Within 1000 feet of a settle Engineer - i WATERS database search; Visual inspection (certification) of the proposed site Within 500 forizonal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. Within 500 feet of a welland US fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Within 500 feet of a welland US fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Visual So for 6 of a welland. US fish and Wildlife Wetland Identification map:			
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Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are titached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Deperating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of 19.15.17.9 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.19 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:		esign) API Number: or Permit Number:	
Previously Approved Design (attach copy of design) API Number: or Permit Number: Previously Approved Design (attach copy of design) API Number: or Permit Number:	Instructions: Each of the following items must be attached. Design Plan - based upon the appropriate req Operating and Maintenance Plan - based upon A List of wells with approved application for Closure Plan (Please complete Boxes 14 thro and 19.15.17.13 NMAC Hydrogeologic Data - based upon the require	e attached to the application. Please indicate, by a check mark in the box, that the quirements of 19.15.17.11 NMAC on the appropriate requirements of 19.15.17.12 NMAC r permit to drill associated with the pit. bugh 18, if applicable) - based upon the appropriate requirements of Subsection C of ements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC	
Form C-144 Oil Conservation Division Page 3 of 6	 Previously Approved Design (attach copy of de 		
Form C-144 Oil Conservation Division Page 3 of 6	 Siting Criteria Compliance Demonstrations - Previously Approved Design (attach copy of de Form C-144 		ul 6
	Form C-144	Oil Conservation Division Page 3	of 6

2. Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC		-
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the second state of the second state of the second state the second state of t	e documents	are
attached. If Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC		
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC		
Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC		
Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC		
 Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC 		
 Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC 		
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC		
 Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan 		
Oil Field Waste Stream Characterization		
 Monitoring and Inspection Plan Erosion Control Plan 		
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC		
B. Proposed Closure: 19.15.17.13 NMAC		
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.		
Type: 🛛 Drilling 🔲 Workover 🗋 Emergency 🗋 Cavitation 🗌 P&A 🔲 Permanent Pit 📄 Below-grade Tank 🗌 Multi-wel	Fluid Manag	ement
Alternative Proposed Closure Method: Waste Excavation and Removal		
 Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) 		
In-place Burial On-site Trench Burial		
Alternative Closure Method		
 Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must le closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 		the
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 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality: Written approval obtained from the municipality 	🗆 Yes 🛛 No
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗆 Yes 🛛 No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	
Within a 100-year floodplain.	🗌 Yes 🛛 No
FEMA map	🗌 Yes 🛛 No
16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
 17. Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bel Name (Print):Larry (Bruce) Baker Title:Sr. Environmental Tech 	
Signature: Jany Bruce Baher Date: 10-30-19	
e-mail address:larry.baker@apachecorp.com Telephone: _432-631-6982	
I8. Report OCD Approval: Permit Application (including closure plan) X Closure Plan-(only) OCD Conditions (see attachment)	
OCD Representative Signature: Approval Date: Approval Date:	22
OCD Representative Signature: Jaclyn Burdine Approval Date: 07/06/20 Title: Environmental Specialist-A OCD Permit Number: #1	
	the closure report.
Title: Environmental Specialist-A OCD Permit Number:#1 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not	the closure report.
Title: Environmental Specialist-A OCD Permit Number: #1	g the closure report. t complete this
Title: Environmental Specialist-A OCD Permit Number:#1	the closure report. t complete this

Form C-144

Oil Conservation Division

Page 5 of 6

2. Operator Closure Certification:	
hereby certify that the information and attachments submitted with this	s closure report is true, accurate and complete to the best of my knowledge and
	e requirements and conditions specified in the approved closure plan.
Name (Print):Larry (Bruce) Baker Title:Sr. Signature:Zamy Bruce Baker	

ew Mexico Office of the State Engineer

NAD27 X:	Y: Zone: Search Radius:
County:	Basin: Suffix: Suffix:
Owner Name: (First)	(Last) ONOn-Domestic ODomestic OAll

		AVER	AGE I	DEPTH (OF WATER	REPORT	10/14/200	5	÷	
								(Depth	Water in	Feet)
Ban	Tws	Rng	Seq	Zone	х	X	Wells	Min	Max	Avg
C5	215	37E	04				2	75	75	75
CP	215	37E	06				1	73	73	73
CP	215	37E	16				1	70	70	70
CP	215	37E	22				1	53	53	53
CP	215	37E	23	3.5			1	65	65	65
CP	21S	37E	23		924000	6600000	1	65	65	65
CP	21S	37E	27				1	76	76	76
CP	215	37E	28				3	65	75	71
CP	21S	37E	33				1	100	100	100

Record Count: 12

p://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher

10/14/2005

jerry brian

From:	"Swain, Harold" <harold.swain@usa.apachecorp.com></harold.swain@usa.apachecorp.com>
To:	<jrbrian@verizon.net></jrbrian@verizon.net>
Sent:	Tuesday, March 13, 2007 6:29 AM
Attach:	Figure #4.pdf; Figure #5.pdf; Figure #6.pdf; Table 2 - Analytical Data (soil).xls; Table 3 - Analytical Data
Allacii.	(water).xis
Subject:	FW: Apache Corporation - NEDU 627 Pit (EPI Ref. #24002)

-----Original Message---- **from:** David Duncan [mailto:dduncan@envplus.net] **Sent:** Monday, March 12, 2007 2:31 PM **To:** Swain, Harold **Cc:** cmiller@envplus.net; jstegemoller@envplus.net **Subject:** Apache Corporation - NEDU 627 Pit (EPI Ref. #24002)

Mr. Swain:

On 3/9/06 (Friday) EPI received a phone call from Mr. Larry Johnson (NMOCD – Hobbs) concerning Field Analyses and Laboratory Analytical Data for the above referenced project. Although EPI is no longer in charge of the project, the information Mr. Johnson requested was put into tabular form and is being directed to your attention. Included for your review and information are Table #2 (Soil Field and Laboratory Analytical Data), Table #3 (Water Laboratory Analytical Data) and Figures #4-#6 (Soil Sampling Figures - hand drawn). Please give EPI directions as to whether Apache Corporation or EPI will relay this information to Mr. Johnson.

If you have any questions, concerns or need additional information, please contact me at (505) 394-3481 or via e-mail at <u>dduncan@envplus.net</u>.

Sincerely,

ENVIRONMENTAL PLUS, INC.

David P. Duncan Civil Engineer

Environmental Plus, Inc. P.O. Box 1558 2100 Avenue 'O' Eunice, New Mexico 88231

(505) 394-3481 (505) 394-2601 (facsimile)

30-025-34887 30-025-370290000







Released to Imaging: 6/7/2024 2:55:58 PM



Released to Imaging: 6/7/2024 2:55:58 PM

TABLE 2 Summary of Water Sample Laboratory Analytical Results Apache Corporation

NEDU	627	Pit	(EPI	Ref.#	240002)
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Sample I.D.	Date	Na (mg/L)	Cs (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (# S/cm)	T-Alkalanity (mgCaCO ₃ /L)	0 (mg/L)	SO (mg/L)	CO, (agit.)	HCO (mg/L)	рН (к.н.)	TDS (mg/L)
w-te	07-Nov-06	40,975	3,206	972	465	183,200	110	69,978	2,895	0	ы	6.48	212,090
C-32	07-Nov-06	41,183	2,806	729	303	126,200	110	68.979	2,963	0	134	6.93	117,360
SE-22'	07-Nov-06	15,233	1,603	729	93	62,700	130	27,591	1,201	0	159	6.94	\$1,550
Chappartal Brine	07-Nov-06	124,790	1,202	2.430	1,135	278,400	110	195,939	9.273	0.0	134.0	6.6L	333,420
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		· · · · · · · · · · · · · · · · · · ·						
													_
NMWQCC Remedi Bolded values are in core		100		10				30			100		250

Bolded values are in more of NMOCD Remodistron Threshol - * Not Analyzed BH = Soil samples collected from the bottom of the excernition

BH = Soil supples collected from the bottom of the excernition. SW = Soil samples collected from the side walls of the excernition (E=East, W=West, N=North and S=South)

-

Received by OCD: 6/4/2024 Bt 15:30 PMM

Received by OCD: 6/4/2024 B: 15:30 PMM

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TABLE 1
Summary of Soil Sample Field Analyses and Laboratory Analytical Results
Apache Corporation

NEDU 627 Pit (EPI Ref.# 240002)

Sample 1.D.	Depth (feet)	Soil Suna	Sample Date	PED Pické Analysia (ppm)	Field Chloride Analyses (mg/Kg)	Donazise (mg/Kg)	Tolucas (mg/Kg)	Eikythonasse (mg/Kg)	Total Xylencs (mg/Kg)	Total BTEX (mg/Kg)	GAO (OS-C10) (mg/Kg)	DRD (>C10-C28) (mg/Kg)	Touil Hydrocarbona nCS-aC28 (mg/Kg)	Chional (mpKg
804-1		Excavaled	9-Fab-06		4,900									
BH-3		Excervated	9- <b>Feb-06</b>		2.000									
BH-3		Excavated	9-Fdb-96		4.900					-				
вн-4		Excerned	9-Feb-06	-	880									
DK-5		Exceivated	9-Pob-06		960									
BH-6 (comer)		Excevated	9-Fab-06		4,000									
WSW-7		Excervated	9-800-06		4,900						••			
WSW-4		Excavated	9-Feb-06		280									
NSW-9		Excavated	9-8-60-06		240			-						
N\$W-10		Examined	9-Feb-00		4.000									
E5W-11		Excentiod	9-5-66-06		2.400									
ESW-12		Excented	9-Feb-06		240									
\$\$W-13		Eccavated	9-848-06		4,000									
SSW-14		Excevelod	9-Fab-06		4,900									
NWSW-5	5	In situ	14-Feb-06		400						<10.0	<10.0	<20.0	64
NESW-5	5	in situ	14-Feb-06		4,000						<10.0	<10.0	<20.0	7,67

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Sample I.D.	Depth (feat)	Soil Suztus	Sample Date	PID Field Annivsis (ppm)	Field Chloride Analyses (mg/Kg)	Benzens (mg/Kg)	Tobucne (mg/Kg)	Ethyllocazana (mg/Kg)	Total Xyleass (rag/Kg)	Total BTEX (mg/Kg)	GRO (OS-C10) (mg/Kg)	DRO (>C10-C28) (mg/Kg)	Total Hydrocarbons nO5-nC28 (mg/Kg)	Chloride (mg/Kg)
ENSW-5	5	în situ	14-Fcb-06		640				12	-13	••			192
ESSW-S	5	ia-situ	14-Feb-06		400				•••		•• (3)			16
SESW-5	5	l'n situ	14-Feb-06		4.000				12					17,195
SWSW-4	4	In situ	14-Feb-06		4,000									19,594
WSSW-4	•	in-situ	14-Feb-06		640									272
WNSW-4	4	In satu	14-Feb-06		960						<10.0	<10.0	<20.0	480
NWBH	14	Excented	14-Fcb-06		4,000						<10.0	<10.0	<20.0	13.9%
NEBH	14	Excevated	14-Feb-06		4000				22		<10.0	<10.0	<20.0	2,178
SEBH	14	Excevated	14-Fab-06		1600						<10.0	<10.0	<20.0	9,757
SWafi	14	Excavated	14-Feb-06		4000						<10.0	<10.0	<20.0	688
West Trench-14	14	Exavated	14-Feb-06		4000					3446				21.593
West Treach-19	19	lo situ	I-I-Feb-06		4000		•	>			<10.0	<10.0	<20.0	8,157
West Treach-24	24	In situ	14-Feb-06		380									96
West Treach-29	29	în situ	)4-Fcb-06		390						<10.0	<10.0	<20.0	344
East Trench-14	14	Excevated	14-Feb-06		2800									1,727
East Trench-19	19	In situ	14-Feb-06		1280						<10.0	<10,0	<20.0	912

#### FABLE 2 Sammary of Soil Sample Field Analyses and Laboratory Analytical Remits Apathe Corporation NEDU 627 Pic (EPI Ref.# 240002)

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TABLE 2
Summary of Soil Sample Field Analyzes and Laboratory Analytical Results
Apache Corporation

NEDU 427 Pit (EPI Ref.# 240002)

Sampic I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Pield Chiloride Austrysos (mg/Kg)	Benzime (mg/Kg)	Tolucae (mg/Kg)	Ethylbenzene (mg/Kg)	Totał Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO (C6-C10) (mg/Kg)	DRO (>C(0-C28) (mg/Kg)	Total Hydrocarbons aOS-aC28 (mg/Kg)	Chloride (mg/Kg)
East Trench-24	24	lo etta	14-Feb-06		340									%
East Trench-29	29	la situ	14-Fab-06		480						<10,0	<b></b> 10.0	<20.0	288
NESW-3	5	In site	27-Fcb-06								<50.0	<50.0	<100	48
MWSW-5	5	In tita	27-Ecb-06								<50.0	<50.0	<100	32
\$W\$W-6'	6	Le situ	27 <del>.Fcb-06</del>								<50.0	<50.0	<100	96
SESW-6'	6	In silu	27-Feb-06						<u>.</u>		<50.0	<50.0	<100	32
	6	(n situ	22-Nov-06		240									\$0
ESW1-7	1,	fin site	11/220/06		320						120			160
ESW3-6	6	la situ	22-Nov-06		160									48
ESW4-12	12	la situ	22-Nov-06		320						-151		1	160
ESW5-12	12	lp stu	22-Nov-06		640						2			736
E2Me-13.	13	En situ	22-Nov-06		240						2.00	••	10	32
NSW7-6'	6	in setu	22-Nov-06		240									32
NSW <b>1-6</b> '	6	la sizu	22-Nov-06		240						342		8	16
N\$W9-6'	6	La situ	22-Nov-06		240	<u> </u>								32
N\$W10-12*	12	la situ	22-Nev-06		320							223	92	%

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Sample 1.D.	Depth (foci)	Soil Status	Sample Date	PID Pield Analysis (ppm)	Field Chioride Analyses (mg/Kg)	Beasone (mg/Kg)	Tohiene (mg/Kg)	Eiby@otzene (mg/Kg)	Total Xyienes (mg/Kg)	Total STEX (mg/Kg)	GRO (O6-C10) (mg/Kg)	DRO (>C10-C28) (mg/Kg)	Total Hydrocarbons nC5-nC28 (mg/Kg)	Chloride (mg/Kg)
NSW11-12'	12	la situ	22-Nev-06		400									160
א\$w12-12'	12	In situ	22-Nov-06		240					••	-+			48
NSW13-6'	6	în situ	22-Nov-06		560									800
WSW14-7	7	les situ	22-Nov-06		400									240
WSW15-6'	6	la situ	22-Nov-06		480	•-								640
WSW16-12	12	in situ	22-Nov-06		240									44
WSW17-13*		In situ	22-Nov-06		240									64
WSW18-12	12	In situ	22-Nov-06		160									48
SSW19-6'	6	lo sita	22-Nov-06		400									240
SSW20-7"	,	la situ	22-Nov-06		140			<u></u>						4
SSW21-6"	6	La situ	22-Nov-06		240									32
SSW22-12"	12	lo situ	22-Nov-06		240				·					136
\$\$₩23-6'	6	In situ	22-Nov-06		240									64
SSW24-12"	12	La satu	22-Nov-06		160			<u> </u>						224
BH25-19	19	ko situ	22-Nov-06									<u> </u>		115 ھ
BH26-19	19	In situ	22-Nav-06									<u>.</u>		2,607

#### TABLE 2 Summary of Soil Sample Field Analyses and Laboratory Analytical Remit Apache Corporation NEDU 627 Pit (EPI Ref.# 240002)

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TABLE 2
Summary of Soil Sample Field Analyses and Laboratory Analytical Results
Apache Corporation
NEDU 627 Pit (EP3 Ref# 240002)

EDU 627 Pit (EPI R <i>ef.#</i> 240002
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Sample I.D.	Depth (feet)	Soil Status	Sample Date	PLD Field Analysia (ppm)	Field Chloride Analyses (mg/Kg)	Beatone (mg/Kg)	Tolucne (mg/Kg)	Eihytbenzene (mg/Kg)	Total Xylenss (mg/Kg)	Tocal BTEX (mg/Kg)	GR.0 (C6-C10) (mg/Kg)	08.0 (>C10-C28) (ing/Kg)	Total Hydrocarbons nCS-mC28 (mg/Kg)	Chioride (mg/Kg)
BH27-19	19	ta sicu	22-Nov-06											11,676
BH21-19	19	da situ	22-Nov-06											13,356
BH29-19	19	lo situ	22-Nov-06											t60
NMK		a) Thresholds		100		10				50			100	250

Bolded values are in excess of MMOCD R - = Not Annivard BH = Soil samples collected from the both

im of the excevation, SW = Soil ted from the side with of the exce es collec





Page 33 of 119

PHONE (325) 873-7001 + 2111 BEECHWOOD + ABILENE. TX 79603 PHONE (505) 393-2328 - 101 E. MARLAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE ENVIRONMENTAL ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 04/117/07 Reporting Date: 04/20/07 Project Owner: APACHE Project Name: NEDU 627 Project Location: LEA CTY., NM

Sampling Date: 04/17/07 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: HM/AB

		Na	Ċa	Mg	κ	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(uS/cm)	(mgCaCO ₃ /L)

ANALYSIS D	ATE:	04/19/07	04/19/07	04/19/07	04/19/07	04/18/07	04/19/07
H12474-1	E. TRENCH 22' BGS	7223	2794	1230	122	47200	
H12474-2	SE CORNER/PIT	1782	938	456	31.5	15210	96
Quality Contro	pl	NR	45.2	54.1	1.93	1381	NR
True Value Q		NR	50.0	50.0	2.00	1413	NR
% Recovery	** <u></u>	NR	B0.4	108	96.5	97.7	NR
	ent Difference	NR	5.8	3.6	3.7	1.1	NR
METHODS:	······································	SM:	3500-Ca-D	3500-Mg E	8049	120.1	310.1
		CI ⁻	SO₄	CO3	HCO3	рН	TDS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
ANALYSIS D	ATE:	04/18/07	04/19/07	04/19/07	04/19/07	04/18/07	04/18/07
H12474-1	E. TRENCH 22' BGS	18794	1286	0	117	7.04	36336
H12474-2	SE CORNER/PIT	5338	536	0	73.2	7.47	11210
Quality Contro	ōl	490	23.9	NR	964	6,96	NR
True Value Q	Ċ	500	25.0	NR	1000	7.00	NR
% Recovery		98	95.7	NR	95.4	99.4	NR
	ent Difference	2.0	14	NR	12.0	0.3	NR
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1	160.1

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04-20-02 Date

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name											BILL TO ANALYSIS REQU						JES	<u></u>			{			
Project Manager		>					P.O.	<b>*</b>												4	- {	ļ		
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PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 03/16/07 Reporting Date: 03/23/07 Project Owner: APACHE Project Name: NEDU 627 Project Location: LEA COUNTY, NM Sampling Date: 03/16/07 Sample Type: WATER Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: HM

		Na	Ca	Mg	к	Conductivity	<b>T-Alkalinity</b>
LAB NUMBER	SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	( <i>u</i> S/cm)	(mgCaCO ₃ /L)

ANALYSIS D	ATE:	03/23/07	03/23/07	03/23/07	03/23/07	03/20/07	03/23/07
H12345-1	INJECTION WELL	7276	2295	222	199	39000	372
H12345-2 WELL-HEAD		9344	2462	484	220	48600	280
Quality Contr	ol	NR	50.6	52.4	1.97	1378	NR
True Value Q	C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	101	105	98.5	99.1	NR
<b>Relative</b> Perc	ent Difference	NR	2.8	0.0	3.6	0.3	NR

METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1
		ci_	SO₄	CO3	HCO3	pН	TDS
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
ANALYSIS DATE:		03/21/07	03/21/07	03/23/07	03/23/07	03/20/07	03/21/07
H12345-1	INJECTION WELL	13696	2939	0.0	454	7.94	29764
H12345-2	WELL-HEAD	17794	3262	0	342	8.07	36048
Quality Control	······	500	25.0	NR	854	6.94	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	100	NR	85.4	99.1	NR

Relative Percent Difference	0.0	4.9	NR		0.3	NR
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1	160.1

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03-23-07 Date

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#### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	(303) 393-2326 FAX (303) 393-2			BILL TO					ANALYSIS REQUEST												
Project Manager:	HAK Serry Brian				P.0																
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### PHONE (915) 673-7001 . 2111 BEECHWOOD . ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS. NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 02/27/07 Reporting Date: 02/28/07 Project Owner: APACHE Project Name: NEDU #627 Project Location: LEA CTY., NM Sampling Date: 02/27/07 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB

	Na	Са	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	( <i>u</i> S/cm)	(mgCaCO ₃ /L)
ANALYSIS DATE:	02/27/07	02/27/07	02/27/07	02/27/07	02/27/07	02/27/07
H12252-1 PIT WATER	8373	2428	1755	67.5	53300	96
	/					
Quality Control	NR	53.2	49.2	1.75	1380	NR
True Value QC	NR	50.0	50.0	2.00	1413	NR
% Recovery	NR	106	98.4	87.5	97.7	NR
Relative Percent Difference	NR	0.0	4.8	11.0	0.2	NR
METHODS:	SM3	500-Ca-D	3500-Mg E	8049	120.1	310.1
	C	SO₄	CO3	HCO3	рН	TDS
$\sim$	(mg/L)	(mg/L)	(mg/L)	(mg/L)	<b>(s</b> .u.)	(mg/L)
ANALYSIS DATE:	02/27/07	02/27/07	02/27/07	02/27/07	02/27/07	02/28/07
H12252-1 PIT WATER	21393	1299	0	117	6.98	40592
					·	
Quality Control	490	28.2	NR	903	6.91	NR
True Value QC	500	25.0	NR	1000	7.00	NR
% Recovery	98	113	NR	90.3	98.7	NR
Relative Percent Difference	0.0	18	NR	1.3	0.0	NR
METHODS:		375.4				

Chem

Received by OCD: 6/4/2024 3: 15:30 PM

02-28-07 Date

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. At claims, including those for negligance 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 table of the service of t

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abliene, TX 79603

	(505) 393-2326 FAX (505) 393-2	476	(3	25)	673-7	00	1 -	~	(32								-		1.1/0		-				
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City: Hob		Zip	<u>s: 5</u>	<u>39 Z</u>	40			Att	in:				_							1					
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Project Name:	NEDU #627		<i>r</i>					Sta	ate:			Zip:													
Project Location:		,						Ph	one	#:															
Sampler Name:	K. Bening	$\mathbf{F}_{-}$						Fax	x #:																
FOR LAB USE ONLY		72			MA	TRI	X	_	PRI	ESE	RV.	SAMPLI	1G										1	ĺ	ľ
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enalyses. All clarifts including	those for negligence and any other cause whatsoever shall be thnat be liable for incidental or consequential damages, includir	deem	ed wei	ived uni	ess made	in wr	ting and	I ZeCei	ived by	y Card	tinel w	this 30 days after	completion of th	he applicat	ble										
	and of or related to the performance of process becaused as by	-	a), rega		of whethe									10.	Ú Ye	s C	No	Add'	Phon	a #:		-			
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Delivered By: Sampler UPS		₩			Sample Cool	e Co Int is [` io_[	onditi act Yet	on				ED BY: ale)													



PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505)-391-4585

Receiving Date: 11/28/06 Reporting Date: 12/07/06 Project Owner: APACHE Project Name: NM STATE "S" #42 Project Location: UNIT 0, SEC. 34 T21S-R37E

Goverce

Sampling Date: 11/28/06 Sample Type: GROUNDWATER Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: HM/AB

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DAT	TE:	12/06/06	12/06/06	12/06/06	12/06/06	11/29/06	11/30/06
H11850-1	P&S BRINE SALES	124714	2400	2570	1120	74200	288
Quality Control		NR	48.1	48.6	2.77	1304	NR
True Value QC		NR	50.0	50.0	3.00	1413	NR
% Recovery		NR	96	97	92.0	92	NR
Relative Percer	nt Difference	NR	0.0	0.0	8.3	1.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1
		C[ (mg/L)	SO₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	рН (s.u.)	TDS (mg/L)
ANALYSIS DA	TE:	12/04/06	12/05/06	11/30/06	11/30/06	11/29/06	11/29/2006
H11850-1	P&S BRINE SALES	201000	5510	0	351	6.62	325588
		540	17.0		952	7.00	
Quality Control		510	17.9 20.0	NR	952	7.00	NR NR
True Value QC % Recovery		102.0	<u>20.0</u> 90	NR	95.2	100	NR
Relative Percer	nt Difference	6.1	12	NR	3.1	0	NR
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150,1	160.1

Received by OCD: 6/4/2024 3:15:30 P

-06 Date

PLEANE NOTE: Liability and Barnages. Cardinal's Table of Science inclusive remarks for any blann analog, whether based in contract or ton, shall be limited to the amount paid by chent for analyses. All claring, including those to mappear and any office or a major rectand on deamed wavest unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable all claring, including those to mappear or any office or a major rectand on deamed wavest unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable attract 30,000 event this Certainal to add to a constrained damages, instructing, which instruction liveness materialities, or loss of profits incurred by client, its subsidiares, affinates or successors are not office and on related to the method adde of sources here only of profits incurred by favoring and regarilless of writter such claim to based upon any of the above-stated reasons or otherwise.

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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### Apache Corporation NEDU #627 Delineation Sampling of Pit 2-2006

Sample ID	Depth	Soil	Sample Date	Field Chlor	Lab BTEX	Lab TPH	Lab Chl
ENSW-5	5'	IN-SITU	2/14/2006	640	0	0	192
ESSW-5	5'	IN-SITU	2/14/2006	400	0	0	16
EESW-5	5'	IN-SITU	2/14/2006	4000	0	0	17195
SWSW-4	4'	IN-SITU	2/14/2006	4000	0	0	19594
WSSW-4	4'	IN-SITU	2/14/2006	640	0	<b>0</b>	272
WNSW-4	4'	IN-SITU	2/14/2006	960	0	<20	480
NWBH	14'	EXCVATED	2/14/2006	4000	0	<20	13996
NEBH	14'	EXCVATED	2/14/2006	4000	0	<20	2175
SEBH	14'	EXCVATED	2/14/2006	1600	0	<20	9757
SWBH	14'	EXCVATED	2/14/2006	4000	0	<20	688
WEST TRENCH-14	14'	EXCVATED	2/14/2006	4000	0	0	21993
WEST TRENCH-19	19'	IN-SITU	2/14/2006	4000	0	<20	8157
WEST TRENCH-24	24'	IN-SITU	2/14/2006	380	0	0	96
WEST TRENCH-29	29'	IN-SITU	2/14/2006	380	0	<20	144
EAST TRENCH-14	14'	EXCVATED	2/14/2006	2800	0	0	1727
EAST TRENCH-19	19'	IN-SITU	2/14/2006	1280	0	<20	912

Apache Corporation: NEDU #627 Pit Water Sampling 11-7-2006 MG/L

Page 43 % 119

Sample ID	Date	NA	CA	Mg	ĸ	Cond	TTL-Alk	CI	SO	CO	нсо	pH (s.u)	TDS
W-18'	11/7/2006												
			3206		465	183200		69978					212000
C-22	11/7/2006		2806	729	305	126200	110	68979	2563	0	134	6.93	117360
SE-22'	11/7/2006	15233	1603	729	93	62700	130	27591	1201	0	159	6.94	51550
Chapparral Brine	11/7/2006	124790	1202	2430	1135	278400	110	195939	9273	0	134	6.61	333420
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Released to Imaging: 6/7/2024 2:55:58 PM

#### Apache Corporation NEDU #627 Pit Sampling 11/22/2006

Sample ID	Depth	Soil	Sample Date	Field Chlor	Lab BTEX	Lab TPH	Lab Chl
NSW11-12'	12'	IN-SITU	11/22/2006	400	0	0	160
NSW12-12	12'	IN-SITU	11/22/2006	240	0	0	48
NSW13-6'	6'	IN-SITU	11/22/2006	560	0	0	800
WSW14-7'	7'	IN-SITU	11/22/2006	400	0	0	240
WSW15-6'	6'	IN-SITU	11/22/2006	480	0	0	640
WSW16-12'	12'	IN-SITU	11/22/2006	240	0	0	48
WSW17-11'	11'	IN-SITU	11/22/2006	240	0	0	64
WSW18-12'	12'	IN-SITU	11/22/2006	160	0	0	48
SSW19-6'	6'	IN-SITU	11/22/2006	400	0	0	240
SSW20-7'	7'	IN-SITU	11/22/2006	240	0	0	48
SSW21-6'	6'	IN-SITU	11/22/2006	240	0	0	32
SSW22-12'	12'	IN-SITU	11/22/2006	240	0	0	336
SSW23-6'	6'	IN-SITU	11/22/2006	240	0	0	64
SSW24-12'	12'	IN-SITU	11/22/2006	160	0	0	224
BH25-19'	19'	IN-SITU	11/22/2006	0	0	0	8317
BH26-19'	19'	IN-SITU	11/22/2006	0	0	0	2607
BH27-19'	19'	IN-SITU	11/22/2006	0	0	0	11676
BH28-19'	19'	IN-SITU	11/22/2006	0	0	0	13356
BH29-19'	19'	IN-SITU	11/22/2006	0	0	0	160

### Apache Corporation: NEDU #627 Pit Closure Sampling

MG/L Sample ID	Date	NA	CA	Mg	к	Cond	TTL-Alk	CI		so	со	нсо	pH (s.u)	TDS
	2/27/2007	8373	2428	1755	67.5	53300	96		21393	1299	0	117	6.98	4059
Pit Water	2/2//2007	0373	1				1	+-						
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#### Apache Corporation: NEDU #627

# Wellhead and Injection Well TDS Comparison MG/L

Sample ID	Date	NA	ÇA	Mg	к	Cond	TTL-Alk	СІ	SO	со	нсо	pH (s.u)	TDŞ
Inj. Well	3/16/2007	7276	2295	222	199	39000	372	13696	2939	0	454	7.94	29764
Wellhead	3/16/2007	9344	2462	484	220	48600	280	17794	3262	0	342	8.07	36048
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### Apache Corporation: NEDU #627 Pit Sampling 4/17/07

MG	/i
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Page 47.06/119

Sample ID	Date	NA	ĊA	Mg	к	Cond	TTL-Alk	CI	so	со	HCO	pH (s.u)	TDS
E. Trench		1		T						1240		540	1049CT10
22'bgs	4/17/2007	7223	2794	1230	122	47200	98	18794	1286	0	117	7.04	36336
SE Corner of													
Pit	4/17/2007	1782	938	456	31.5	15210	60	5338	536	0	73.2	7.47	11210
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# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orphan C=the file closed)	ned,	1					/2=NE	3=SW 4=SE gest) (N	) AD83 UTM in m	eters)	(In fee	:t)	genetan.
		POD Sub-		QQ	0	h							w	ater
POD Number	Code	basin	County	No. In Column	COLUMN TWO IS NOT		Tws	Rng	X	Y	DistanceDep	which is a second second second	Water Col	lumn
CP 01185 POD1		CP	LE	1	3	14	21S	37E	674598	3594689 🌑	452	70		
CP 01185 POD2		СР	LE	1	3	14	215	37E	674623	359467 <mark>4</mark> 🌑	466	70		
CP 01110 POD1		СР	LE	I	3	14	215	37E	674586	3594648 🌑	494	70		
CP 01110 POD2		СР	LE	1	3	]4	215	37E	674586	3594648 🌑	494	70		
CP 01110 POD3		СР	LE	1	3	14	215	37E	674586	3594648 🌑	494	70		
CP 01110 POD4		СР	LE	I	3	14	21S	37E	674586	3594648 🌑	494	20		
CP 01110 POD5		СР	LE	1	3	14	215	37E	674586	3594648 🌑	494	20		
CP.01185 POD3		СР	LE		3	14	215	37E	674592	3594620 🌑	522	70		
CP.01185 POD4		СР	LE	1	3	14	21S	37E	674633	3594610 🌑	530	70		
CP 01574 POD1		СР	LE	2 4	<b>4</b> 4	15	215	37E	674559	3594598 🌑	547	68	57	11
CP 01574 POD2		СР	LE	1 :	33	14	21S	37E	674666	3594578 🌍	563	68	57	11
										Avera	ge Depth to Wat	er	57 fee	t
											Minimum De	pth	57 fee	t
											Maximum Dep	oth	57 fee	t
Record Count: 11														
UTMNAD83 Radii	is Search (ij	n meters	<u>s):</u>											
Easting (X): 67	4628.63		Nort	hing (	Y):	359	5141			Radius: 1000				

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.

8/22/19 1:02 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	CP 01574 POD1	(qua	ters ar	e sma	llest 1	NE 3=5 to large <b>Tws</b> 21 S	st) RI	( Ig	(NAD83 UTM in meters) X Y 674559 3594598 🜍				
 Driller Lic Driller Nai		1456 JOHN W WHITE	Driller	Com	pany	y:	Wł	IIT	E DRIL	LING C	COMP	ANY	
Drill Start		12/14/2015	Drill F			::	1	2/1	5/2015		Plug D		Shallow
Log File Da		12/30/2015	PCW I Pipe D			176'				-	iource Estima	:: ated Yield	
Pump Typ Casing Size		2.00	Depth		-			8 fe	et			Water:	57 feet
	Wate	er Bearing Stratifica	tions:		Top	p B	ottom	n I	Descrip	tion			
					53	3	63	3 5	Sandstor	ne/Grave	el/Cor	glomerat	e
					63	3	66	5 5	Sandstor	ne/Grave	el/Cor	glomerat	e
					60	5	68	3 5	Shale/M	ludstone	/Siltst	one	
		Casing Perfor	ations:		То	рB	otton	1					
					52	2	61	7					

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POINT OF DIVERSION SUMMARY



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# New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag		) Number ) 1574 POD2	(qua	rters are	e smalle Q4 Se	2=NE 3= est to large ec Tws 4 21S	est) R	(NAI ng	083 UT X 1666	M in meters) Y 3594578 💮	8	*
Driller Lic Driller Nai		1456 JOHN W WHITE	Drille	r Com	pany:	W	ніт	E DRILLIN	IG CO	MPANY		
Drill Start	Date:	12/14/2015	Drill F	Finish	Date:	1	2/1	5/2015	Plu	g Date:		
Log File D	ate:	12/30/2015	PCW	Rcv D	ate:				Sou	irce:	Shallow	
Ритр Тур	e:		Pipe D	Discha	rge Si	ze:			Est	imated Yield:		
Casing Siz	e:	2.00	Depth	Well:		6	68 f	eet	De	pth Water:	57 feet	
	Wat	er Bearing Stratifics	ations:		Тор	Bottor	n .	Description	l			
					55	6	6	Sandstone/C	;ravel/	Conglomerate		
					66	6	8	Sandstone/C	iravel/	Conglomerate		
		Casing Perfo	ations:		Тор	Bottor	n	The former in the second				
					52	6	7					

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.

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POINT OF DIVERSION SUMMARY

Released to Imaging: 6/7/2024 2:55:58 PM



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

POD suffix indicates the POD has been replaced & no longer serves a	(R=POD has been replaced, O=orphaned, C=the file is		(0118	rte	rs are	I=NW	2=NF	3=SW 4-SE	)				
vater right file.)	closed)						st to lar		, AD83 UTM in m	eters)	(In fe	et)	
	POD Sub-		QQ	•									/ater
OD Number		County				Tws	Rng	x	Y	DistanceDe	othWellDept		
P 01185 POD1	СР	LE	1	3	14	215	37E	674598	3594689 🌍	452	70		
P 01185 POD2	СР	LE	1	3	14	215	37E	674623	3594674 🌑	466	70		
P 01110 POD1	СР	LE	1	3	14	215	37E	674586	3594648 🌑	494	70		
P 01110 POD2	СР	LE	I	3	14	215	37E	674586	3594648 🌑	494	70		
P 01110 POD3	CP	LE	I	3	14	215	37E	674586	3594648 💿	494	70		
P 01110 POD4	СР	ĹΕ	t	3	14	215	37E	674586	3594648 🌑	494	20		
P 01110 POD5	СР	LE	1	3	14	215	37E	674586	3594648 🌑	494	20		
P 01185 POD3	СР	LE	1	3	14	215	37E	674592	3594620 🌍	522	70		
P 01185_POD4	СР	LE	1	3	14	21S	37E	674633	3594610 🌍	530	70		
<u>P 01574 POD1</u>	CP	LE	2 4	4	15	215	37E	674559	3594598 🌚	547	68	57	I
P.01574 POD2	CP	LE	13	3	14	215	37E	674666	3594578 🌍	563	68	57	I
P 00235 POD3	СР	LE	1-1	1	23	215	37E	674681	3594137* 😜	1005	90	61	2
P 00235 POD6	СР	LE	21	ι	23	21\$	37E	674881	3594137* 🌍	1035	85	65	
P 00235 POD2	СР	LE	12	I	23	21S	37E	675083	3594144* 🌍	1095	96	65	-
P 00235 POD1	СР	LE	2 2	ł	23	21S	37E	675283	3594144* 🚱	1192	81		
P 00235 POD7	СР	LE	3 1	1	23	215	37E	674681	3593937* 🌍	1205	85	65	
P 00239 POD1	СР	LE	1 1	2	23	215	37E	675485	3594152* 🌑	1308	89	61	2
P 00240 POD1	СР	LE	4 2	1	23	215	37E	675283	3593944* 🌍	1364			
P 00241 POD1	СР	LE	42	1	23	21S	37E	675283	3593944* 🌍	1364	79		
P 01575 POD2	СР	LE	2 2	1	22	215	37E	673615	3594181 🌍	1395	35	35	
P 01141 POD4	СР	LE			15	21S	37E	673556	3594239 🌑	1401	45		
P 01141 POD2	СР	LE			15	215	37E	673543	3594250 🌍	1404	40		
P 00235 POD4	СР	LE	13	ι	23	215	37E	674688	3593735* 🌑	1407	100	80	
P 01141 POD3	СР	LE			15	215	37E	673520	3594272 🌑	1408	40		
P.01575 POD1	СР	LE	12	ì	22	215	37E	673544	3594204 🌑	1432	40	35	:
P 00729 POD1	СР	LE	4 1	3	15	218	37E	673259	3594711* 🌑	1435	8015		
P 00235 POD8	СР	LE	3 I	2	23	215	37E	675485	3593952*	1465	94	58	
	СР	LE	3 1	2	23	215	3 <b>7</b> E	675485	3593952* 🌑	1465	83		
P 00236 POD1	<b>CD</b>	LE	4	1	23	215	37E	675090	3593742* 🌑	1473	90	70	
P 00236 POD1 P 00235 POD5	CP								3594015* 🍝				

CP 00235 P00101       CP       LE       1       3       2       2       2       3       37E       675492       3593749       1638       92       60       3         CP 00235 P0011       CP       LE       1       3       2       2       2       3       37E       675492       3593749       1638       84         CP 00235 P0029       CP       LE       3       4       1       2       2       2       5       37E       675492       3593749       1638       84         CP 00235 P0029       CP       LE       3       3       2       2       15       37E       675492       3593549       16643       94       58       0         CP 00235 P001       CP       LE       4       1       2       2       15       37E       675492       359313*<       1811       6633       -         CP 00134 P001       CP       LE       4       1       2       2       15       37E       67493       359313*       1811       633       -       -       16       3       2       17       17       2       17       17       17       17       17       17															
CPR0235 [OD1]       CP       LE       I       3       2       2       2       15       37E       675492       393749*       I638       97       60       3         CPR0235 [OD1]       CP       LE       1       3       2       32       215       37E       675492       393749*       I638       84         CPR0235 [OD1]       CP       LE       3       4       2       2       2       5756       57594       39381*       1738       75       65       D         CPR0235 [OD1]       CP       LE       3       3       2       215       37E       675492       39381*       1738       1593613*       6633       C       C       CPR013E[OD1]       CP       LE       1       1       12       12       15       37E       674493       399313*       6       1942       80       70       D         CPR013E[OD1]       CP       LE       2       1       13       215       37E       674493       399313*       2228       106       78       2       217       70       C       C       1063       78       2       218       13       13       21       13       2	CP 00562	СР	LE							675887	3594159*	1596	136	65	71
CP 00215 (CD1)       CP       LE       1       3       2       2       15       37E       675492       393749*       1638       84         CP 00215 (CD1)       CP       LE       3       4       1       23       215       37E       675990       393342*       1664       94       58       58         CP 00215 (CD1)       CP       LE       2       2       215       37E       675992       393542*       1664       94       58       56       10         CP 00215 (CD1)       CP       LE       4       1       2       215       37E       675892       39346*       1851       6663       10       12       10       12       15       37E       67493       39316*       2020       106       78       2       16       17E       14       12       13       215       37E       67490       399316*       2238       103       16       13       14       2       15       37E       67490       399316*       2238       65       10       10       14       22       15       37E       67402       399215*       2233       65       16       16       14       14       12	CP 00235 POD10														32
CP 00235 F0D9       CP       LE       3       4       1       2       2       3       7       675090       3993542°       1664       94       58       33         CP 00200       CP       LE       1       1       2       2       2       15       37E       675794       399351°       1738       75       655       10         CP 00232 F0D1       CP       LE       1       1       1       2       2       15       37E       675283       399361°       1811       81       663         CP 00232 F0D1       CP       LE       4       1       2       16       37E       676283       399466°       1923       85         CP 00252 F0D1       CP       LE       2       1       2       15       37E       67409       39915°       2209       70       70       70         CP 00252 F0D1       CP       LE       2       1       2       2       15       37E       67409       399215°       2238       103       70       70         CP 00137 F0D1       CP       LE       2       1       2       2       15       37E       67409       399215°       <														60	37
CP 02020       CP LE       2       23       21       3       3       2       23       21       3       3       75       65       10         CP 00238 FOD1       CP LE       3       3       2       23       21       3       76       675402       3593549*       1811       811       81         CP 00134 FOD1       CP LE       4       1       22       21       37E       67529       359316*       1851       66533         CP 00134 FOD1       CP LE       4       1       2       2       6       215       37E       67629       359416*       1922       80       70       10         CP 00134 FOD1       CP LE       4       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       1       2       2       1       2       2       1       2       2       1       2       2       1       2       2       1       2       2       2       2       2       2       2															
CP 0013 POD1       CP LE 3 3 2 23 23 37E 675492 359549*       1811       81         CP 00132 POD1       CP LE 4 1 1 22 21S 37E 67328 359549*       1851 6633         CP 00131 POD1       CP LE 4 2 2 2 16 21S 37E 67628 359416*       1925 85         CP 00132 POD1       CP LE 4 2 2 2 16 21S 37E 67628 359416*       1942 80 70 10         CP 00252 POD1       CP LE 4 2 2 4 2 2 1S 37E 67409 359513*       2000 106 78 2         CP 00252 POD1       CP LE 4 2 1 2 10 21S 37E 67409 359738*       2279 70         CP 00252 POD1       CP LE 4 2 2 1 3 21S 37E 67409 359738*       2279 70         CP 00252 POD1       CP LE 2 4 4 2 2 1S 37E 67409 359738*       2283 103         CP 00132 POD1       CP LE 2 4 4 2 2 1S 37E 67663 35973*       2288 103         CP 00127 POD1       CP LE 2 4 4 2 2 1S 37E 67666 35927*       2288 103         CP 00127 POD1       CP LE 2 4 4 2 2 1S 37E 67636 35973*       2670 60 48 1         CP 00173 POD1       CP LE 2 1 3 2 2 1 3 7E 67398 359179 2 2718 45       2679 101         CP 00171 POD1       CP LE 2 1 3 2 2 1 1 2 2 1S 37E 67398 359179 2 2718 45       2679 101         CP 00173 POD1       CP LE 2 1 3 2 2 1 1 2 2 1S 37E 67398 39739 2 3733 700       2679 101         CP 00173 POD1       CP LE 2 2 1 2 1 2 1 1 2 1 2 1S 37E 67398 39739 2 3213 70 0       2777 96         CP 00173 POD1       CP LE 2 2 1 2 1 2 1 2 1S 37E 67	and of the state of the			3	4										36
CP       LE       4       I       2       2       1       3       6       7354       359161*       1       1851       6633         CP       DIAL       CP       LE       1       I       2       2       15       37E       67238       359161*       1925       85         CP       DO25       CP       LE       4       2       2       16       15       37E       67238       359112*       2020       106       78       2         CP       DO25       CP       LE       2       2       1       3       25       37E       67409       359312*       2020       106       78       2         CP       DO25       CP       LE       2       2       1       3       25       37E       67409       359215*<       2233       65         CP       DO25       CP       LE       2       2       1       3       2       2       18       37       4         CP       LE       2       1       2       2       1       3       3       35       357373*       2       2232       65       3       4       2       <														65	10
CP       LE       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<>				3											
CP       LE       2       1       6       12       3       37E       672744       3595610*       1942       80       70       11         CP 00252 PODI       CP       LE       4       2       2       15       37E       672443       3595610*       1942       80       70       11         CP 00252 PODI       CP       LE       2       1       2       10       215       37E       67409       359733*       2279       70         CP 00252 PODI       CP       LE       2       1       13       215       37E       67409       359215*       2288       103         CP 00137 PODI       CP       LE       2       1       3       215       37E       67406       359281*       2323       65         CP 00281 PODI       CP       LE       2       1       2       2       1       2       2       13       4       32       215       37E       674106       359281*       2323       65       33       4         CP 00131 PODI       CP       LE       1       3       4       32       215       37E       673166       3592801*       2718       45	CP 00732 POD1														
CP 00252 PODI       CP       LE       4       2       2       215       37E       674493       3593125*       2020       106       78       2         CP 00256 PODI       CP       LE       2       1       2       10       215       37E       67409       359318*       2229       70         CP 00256 PODI       CP       LE       2       1       13       215       37E       67409       3592315*       2228       103       103         CP 00137 PODI       CP       LE       2       1       13       215       37E       676036       3592871       2323       65         CP 00137 PODI       CP       LE       2       4       4       22       215       37E       676036       3592871       24670       60       48       1         CP 01222 POD1       CP       LE       1       3       4       3       215       37E       673196       3592871       2679       101       1       45       1       1       1       2       27       15       37E       673196       3592801       2718       45       1       1       1       1       1       1       2				1										227	3
CP 0028 POD1       CP LE       2       1       2       10       215       376       674019       3597338*       2279       70         CP 0028 POD1       CP LE       2       1       13       215       376       674019       3597338*       2279       70         CP 0023 POD1       CP LE       2       2       1       3       215       376       676862       3595783*       2232       65         CP 0023 POD1       CP LE       2       4       4       22       215       376       676056       3592871       2670       60       48       1         CP 0021 POD1       CP LE       2       4       4       22       215       376       67305       3592871       2679       101         CP 0012 POD1       CP LE       1       3       4       3       215       376       67305       3592719       2718       45         CP 0013 POD1       CP LE       1       3       4       3       272       215       376       673196       359281*       2772       96       7772       96       7790       3773       102       777       96       7779       96       777       9	CP 00554	СР	LE		2	2							80		10
CP       LE       2       3       4       2       2       3       7       67409       592915       2288       103         CP       LE       2       2       1       13       215       37E       676662       3959783       2233       65         CP       DES       4       4       2       2       13       37E       676666       395783*       2232       65         CP       DES       2       4       4       2       2       37E       676366       395871       2278       95       53       4         CP       DES       2       4       4       2       2       37E       676366       395871       2670       600       48       18         CP       DES       2       1       2       2       12       2       2       37E       673895       39779       2718       45         CP       DES       2       2       1       2       2       12       37E       673782       392811       37E       7864         CP       DES       2       1       2       2       12       2       37E       673786	CP 00252 POD1	СР	LE	4	2	4	22	215	37E	674493		2020	106	78	28
CP       DIA       CP       LE       2       2       1       13       21S       37E       678662       3595783*       2323       65         CP       OUSSION       CP       LE       4       4       22       21S       37E       676862       359283*       2323       65         CP       OUSSION       CP       LE       2       4       4       22       21S       37E       676036       3592871       2367       60       48       1         CP       OUSSION       CP       LE       2       1       2       27       21S       37E       676036       3592871       2679       101         CP       LE       1       3       4       03       21S       37E       673895       359775       2718       45         CP       LE       1       3       4       03       21S       37E       673896       3592801*       2743       7864         CP       LE       2       1       2       27       21S       37E       673196       3592313*       2918       80         CP       LE       2       3       2       27       21S	CP 00286 POD1	СР	LE	2	1	2	10	21S	37E	674019	3597338* 🌚	2279	70		
CP       LE       4       4       2       2       1S       37E       674402       3592824*       2328       95       53       4         CP       LE       2       4       4       23       21S       37E       676036       3592871 *       2670       60       48       1         CP       LE       2       1       2       27       21S       37E       676036       3592871 *       2670       60       48       1         CP       LE       0       3       2       21S       37E       673056       359281 *       2679       101         CP       LE       1       3       2       21S       37E       673895       359759 *       2718       45         CP       LE       0       3       2       2       1S       37E       673895       359759 *       2718       45         CP       LE       0       1       2       2       2       1S       37E       673782       3592801 *       2718       454         CP       LE       0       1       2       2       2       2       2       2       352       359211*	CP 00251 POD1	CP	LE	2	3	4	22	215	37E	674099	3592915* 🌚	2288	103		
CP 0122 F0D31       CP       LE       2       4       4       23       21S       37E       676036       3592871       2670       60       48       1         CP 00017 F0D11       CP       LE       2       1       2       27       21S       37E       676036       3592871       2679       101         CP 00017 F0D11       CP       LE       1       3       4       03       21S       37E       676036       3592813*       2679       101         CP 00713 F0D11       CP       LE       1       3       4       03       21S       37E       673895       3592801*       2743       7864         CP 00733 F0D1       CP       LE       2       2       1       27       21S       37E       673782       3592801*       2772       96         CP 00235 F0D1       CP       LE       2       3       2       27       21S       37E       674113       359211*       3073       102         CP 00239 F0D1       CP       LE       2       3       2       27       21S       37E       674113       359211*<	CP 00137 POD1	СР	LE	2	2	l	13	215	37E	676862	3595783* 🌑	2323	65		
CP 0017 PODI       CP       LE       2       1       2       27       215       37E       674106       3592513* (*)       2679       101         CP 0171 PODI       CP       LE       1       3       4       03       215       37E       673895       3597759 (*)       2718       45         CP 00733 PODI       CP       LE       1       3       22       215       37E       673895       3592801* (*)       2743       7864         CP 00733 PODI       CP       LE       2       1       27       215       37E       673782       3592801* (*)       2772       96         CP 00235 PODI       CP       LE       2       1       27       215       37E       674113       359211* (*)       3073       102         CP 00239 PODI       CP       LE       2       3       2       27       215       37E       674113       359211* (*)       3073       102         CP 00239 PODI       CP       LE       2       4       1       27       215       37E       674113       359211* (*)       3073       101         CP 00259 PODI       CP       LE       2       4       1       <	<u>CP 00881</u>	СР	LE		4	4	22	215	37E	674402	3592824* 🌚	2328	95	53	42
CP 01741 PODI       CP LE       I 3       4       03       21       37E       673895       3597759       2718       45         CP 00733 PODI       CP LE       1 3       4       03       21       37E       673895       3597759       2718       45         CP 00733 PODI       CP LE       2       2       1       2       2       15       37E       673895       3592801       2718       45         CP 00733 PODI       CP LE       2       2       2       2       2       2       2       2       2       37E       673196       3592801       2772       96         CP 00235 PODI       CP LE       2       3       2       2       2       2       2       37E       673113       3592111       3073       102         CP 00230 PODI       CP LE       2       3       2       7       215       37E       673113       3592111       3073       101         CP 00230 PODI       CP LE       2       3       2       7       215       37E       673711       35919134       3226       60         CP 01274 POD1       CP LE       2       2       2       2       2 <td>CP 01222 POD3</td> <td>СР</td> <td>LE</td> <td>2</td> <td>4</td> <td>4</td> <td>23</td> <td>215</td> <td>37E</td> <td>676036</td> <td>3592871 🌑</td> <td>2670</td> <td>60</td> <td>48</td> <td>12</td>	CP 01222 POD3	СР	LE	2	4	4	23	215	37E	676036	3592871 🌑	2670	60	48	12
CP 00733 PODI       CP       LE       3       3       22       215       37E       673196       3592801* (*)       2743       7864         CP 01636 POD3       CP       LE       2       2       1       27       215       37E       673182       3592801* (*)       2743       7864         CP 01636 POD3       CP       LE       2       2       1       27       215       37E       673782       3592501 (*)       2772       96         CP 00235 POD1       CP       LE       2       3       2       27       215       37E       674113       3592111* (*)       3073       102         CP 00230 POD1       CP       LE       2       3       2       27       215       37E       674113       3592111* (*)       3073       101         CP 00230 POD1       CP       LE       2       4       1       27       215       37E       674192       359194<(*)	CP 00017 POD1	СР	LE	2	1	2	27	21S	37E	674106	3592513* 🌚	2679	101		
CP 01636 POD3       CP       LE       2       2       1       27       215       37E       673782       3592501       2772       96         CP 00235 POD1       CP       LE       3       1       2       72       15       37E       673782       3592501       2772       96         CP 00235 POD1       CP       LE       2       3       2       27       215       37E       673780       3592313*       2918       80         CP 00249 POD1       CP       LE       2       3       2       27       215       37E       674113       359211*       3073       102         CP 00236 POD1       CP       LE       2       3       2       27       215       37E       673711       359214*       3172       80         CP 0123 POD1       CP       LE       2       4       1       27       215       37E       673712       359134       3226       60         CP 0123 POD1       CP       LE       2       1       26       215       37E       674192       3591934       3226       60         CP 0123 POD1       CP       LE       3       1       27	CP 01741 POD1	СР	LE	1	3	4	03	21S	37E	673895	3597759 🌚	2718	45		
CP 00285 PCD1       CP       LE       3       1       2       27       215       37E       673906       3592313*       2918       80         CP 00249 PCD1       CP       LE       2       3       2       27       215       37E       673906       3592313*       3073       102         CP 00249 PCD1       CP       LE       2       3       2       27       215       37E       674113       3592111*       3073       101         CP 00293 PCD1       CP       LE       2       3       2       27       215       37E       674113       3592111*       3073       101         CP 00293 PCD1       CP       LE       2       4       1       27       215       37E       674992       3591934       3172       80         CP 01274 PCD2       CP       LE       2       1       26       215       37E       674992       3591934       3226       60         CP 01274 PCD2       CP       LE       3       4       2       2       28       37E       674992       3591934       3238       101         CP 01274 PCD2       CP       LE       3       4       2	CP 00733 POD1	CP	LE		3	3	22	215	37E	673196	3592801* 🌚	2743	7864		
CP 00249 PODI       CP       LE       2       3       2       27       215       37E       674113       3592111*       3073       102         CP 00250 PODI       CP       LE       2       3       2       27       215       37E       674113       3592111*       3073       102         CP 00250 PODI       CP       LE       2       3       2       27       215       37E       674113       3592111*       3073       101         CP 00250 PODI       CP       LE       2       4       1       27       215       37E       674113       3592111*       3073       101         CP 00250 PODI       CP       LE       2       4       1       27       215       37E       674992       3591934       3226       60         CP 01274 POD1       CP       LE       3       4       2       27       215       37E       674992       3591934       3226       60         CP 00253 POD1       CP       LE       3       4       2       27       215       37E       673110       3591914       3238       101         CP 00251       CP       LE       1       3	CP 01636 POD3	СР	LE	2	2	ł	27	215	37E	673782	3592501 🌍	2772	96		
CP 00230 POD1       CP       LE       2       3       2       2       7       215       37E       674113       3592111*       3073       101         CP 00233 POD1       CP       LE       2       4       1       27       21S       37E       674113       3592111*       3073       101         CP 00233 POD1       CP       LE       2       4       1       27       21S       37E       674113       3592104*       3172       80         CP 01274 POD1       CP       LE       2       1       26       21S       37E       674992       3591934       3226       60         CP 01274 POD1       CP       LE       2       1       26       21S       37E       674992       3591934       3226       60         CP 00253 POD1       CP       LE       3       4       2       2       72       21S       37E       674315       3591918*       32238       101         CP 00253 POD1       CP       LE       4       2       2       28       21S       37E       672900       359291*       3333       100       65       33         CP 00251       CP       LE	CP 00285 POD1	СР	LE	3	l	2	27	215	37E	673906	3592313* 🌚	2918	80		
CP 00293 POD1       CP       LE       2       4       1       27       215       37E       673711       3592104* (*)       3172       80         CP 00223 POD1       CP       LE       2       1       26       215       37E       673711       3592104* (*)       3172       80         CP 01274 POD1       CP       LE       2       1       26       215       37E       674992       3591934 (*)       3226       60         CP 01274 POD2       CP       LE       2       1       26       215       37E       674992       3591934 (*)       3226       60         CP 00253 POD1       CP       LE       3       4       2       27       215       37E       674992       3591934 (*)       3226       60         CP 00253 POD1       CP       LE       3       4       2       2       28       215       37E       673110       3592094 (*)       3238       101         CP 00294 POD1       CP       LE       4       2       2       28       215       37E       673110       3592096* (*)       3402       76       4         CP 00552       CP       LE       2       4 <td>CP 00249 POD1</td> <td>СР</td> <td>LE</td> <td>2</td> <td>3</td> <td>2</td> <td>27</td> <td>215</td> <td>37E</td> <td>674113</td> <td>3592111* 🌍</td> <td>3073</td> <td>102</td> <td></td> <td></td>	CP 00249 POD1	СР	LE	2	3	2	27	215	37E	674113	3592111* 🌍	3073	102		
CP 01274 POD1       CP       LE       2       1       26       215       37E       674992       3591934       3226       60         CP 01274 POD2       CP       LE       2       1       26       215       37E       674992       3591934       3226       60         CP 01274 POD2       CP       LE       2       1       26       215       37E       674992       3591934       3226       60         CP 00253 POD1       CP       LE       3       4       2       27       215       37E       674992       3591934       3226       60         CP 00253 POD1       CP       LE       4       2       2       215       37E       674992       3591934       3226       60         CP 00711       CP       LE       4       2       2       28       215       37E       67200       359209t       3333       100       65       3         CP 00291 POD1       CP       LE       1       3       1       27       215       37E       673110       359209t       3402       76       4         CP 00736       CP       LE       2       4       04       215 <td>CP 00250 POD1</td> <td>СР</td> <td>LE</td> <td>2</td> <td>3</td> <td>2</td> <td>27</td> <td>215</td> <td>37E</td> <td>674113</td> <td>3592111* 🌍</td> <td>3073</td> <td>101</td> <td></td> <td></td>	CP 00250 POD1	СР	LE	2	3	2	27	215	37E	674113	3592111* 🌍	3073	101		
CP 01274 P0D2       CP       LE       2       1       26       21S       37E       674992       3591934 (*)       3226       60         CP 00253 P0D1       CP       LE       3       4       2       27       21S       37E       674315       3591918* (*)       3238       101         CP 00253 P0D1       CP       LE       4       2       2       28       21S       37E       674315       3591918* (*)       3238       101         CP 00251 P0D1       CP       LE       4       2       2       28       21S       37E       673110       3592096* (*)       3333       100       65       38         CP 00254 P0D1       CP       LE       1       3       1       27       21S       37E       673110       3592096* (*)       3402	CP 00293 POD1	СР	LE	2	4	I	27	215	37E	673711	3592104* 🌑	3172	80		
CP 00253 POD1       CP       LE       3       4       2       2       2       37E       674315       3591918*       3238       101         CP 00253 POD1       CP       LE       4       2       2       28       21S       37E       672900       3592291*       3333       100       65       3333         CP 00294 POD1       CP       LE       1       3       1       27       21S       37E       673110       3592096*       3402       76       44         CP 00294 POD1       CP       LE       1       3       1       27       21S       37E       673211       3591997*       3448       120       76       44         CP 00552       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       1         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       1         CP 01094 POD1       CP       LE       4       2       7       21S       37E       672700       359802*       3662       70       41	CP.01274 POD1	СР	LE		2	l	26	215	37E	674992	3591934 🌍	3226	60		
CP 00711       CP       LE       4       2       2       28       21S       37E       672900       3592291*       3333       100       65       3333         CP 00294 POD1       CP       LE       1       3       1       27       21S       37E       673110       3592096*       3402       3402       76       4         CP 00736       CP       LE       1       2       2       2       2       37E       673110       3592096*       3402       76       4         CP 00736       CP       LE       3       1       27       21S       37E       673211       3591997*       3448       120       76       4         CP 005532       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       11         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       11         CP 01004 POD1       CP       LE       4       2       4       27       21S       37E       672700       3598022*       3662       70 </td <td>CP 01274 POD2</td> <td>СР</td> <td>LE</td> <td></td> <td>2</td> <td>1</td> <td>26</td> <td>215</td> <td>37E</td> <td>674992</td> <td>3591934 🌍</td> <td>3226</td> <td>60</td> <td></td> <td></td>	CP 01274 POD2	СР	LE		2	1	26	215	37E	674992	3591934 🌍	3226	60		
CP 00294 PODI       CP       LE       I       3       I       27       21S       37E       673110       3592096* (a)       3402         CP 00736       CP       LE       3       I       27       21S       37E       673211       3592096* (a)       3448       120       76       44         CP 00736       CP       LE       3       I       27       21S       37E       673211       3591997* (a)       3448       120       76       44         CP 00552       CP       LE       2       4       04       21S       37E       672700       3598022* (a)       3466       90       75       11         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022* (a)       3466       90       75       11         CP 01004 POD1       CP       LE       4       2       4       27       21S       37E       672700       3598022* (a)       3466       90       75       11         CP 01004 POD1       CP       LE       4       2       2       28       21S       37E       672708       3591889* (a)       3776       41       22 <td>CP 00253 POD1</td> <td>СР</td> <td>LE</td> <td>3</td> <td>4</td> <td>2</td> <td>27</td> <td>215</td> <td>37E</td> <td>674315</td> <td>3591918* 🌍</td> <td>3238</td> <td>101</td> <td></td> <td></td>	CP 00253 POD1	СР	LE	3	4	2	27	215	37E	674315	3591918* 🌍	3238	101		
CP 00736       CP       LE       3       I       27       21S       37E       673211       3591997*       3448       120       76       4         CP 00552       CP       LE       2       4       04       21S       37E       673210       3598022*       3466       90       75       11         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       11         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       11         CP 01004 POD1       CP       LE       4       2       4       27       21S       37E       674616       3591478       3662       70       41       22         CP 01004 POD1       CP       LE       3       4       2       28       21S       37E       672608       3591889*       3662       70       41       22         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065       3780       1	CP 00711	СР	LE	4	2	2	28	215	37E	672900	3592291* 🌍	3333	100	65	3:
CP 00552       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       1         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       1         CP 00553       CP       LE       2       4       04       21S       37E       672700       3598022*       3466       90       75       1         CP 01004 POD1       CP       LE       4       2       4       27       21S       37E       674616       3591478       3662       70       41       2         CP 00242 POD1       CP       LE       3       4       2       28       21S       37E       672708       3591889*       3776         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065       3780       108	CP 00294 POD1	СР	LE	1	3	1	27	215	37E	673110	3592096* 🌑	3402			
CP 005533       CP       LE       2       4       04       21S       37E       672700       3598022* (*)       3466       90       75       1         CP 01004 POD1       CP       LE       4       2       4       27       21S       37E       674616       3591478 (*)       3662       70       41       2         CP 00242 POD1       CP       LE       3       4       2       28       21S       37E       672708       3591889* (*)       3776       41       2         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065 (*)       3780       108	<u>CP 00736</u>	СР	LE		3	l	27	215	37E	673211	3591997* 🌍	3448	120	76	4
CP 01004 PODI       CP       LE       4       2       4       27       21S       37E       674616       3591478       3662       70       41       2         CP 00242 PODI       CP       LE       3       4       2       28       21S       37E       672708       3591889*       3776       3776         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065       3780       108	CP 00552	СР	LE		2	4	04	215	37E	672700	3598022* 🌑	3466	90	75	1:
CP 01004 PODI       CP       LE       4       2       4       27       21S       37E       674616       3591478       3662       70       41       2         CP 00242 PODI       CP       LE       3       4       2       28       21S       37E       672708       3591889*       3776       3776         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672708       3591889*       3776       108         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3591731       3788       98       48       55         CP 01096 POD2       CP       LE       1       1       3       25       21S       37E       676332       3591753*       3792       75         CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       676332       3591753*       3792       75         CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       676332       3591714       3805       72       40       38       38	<u>CP 00553</u>	СР	LE		2	4	04	215	37E	672700	3598022* 🌑	3466	90	75	1.
CP 00242 PODI       CP       LE       3       4       2       28       21S       37E       672708       3591889* (*)       3776         CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065 (*)       3780       108         CP 01096 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065 (*)       3780       108         CP 01096 POD2       CP       LE       2       4       28       21S       37E       672430       3592065 (*)       3780       108         CP 01096 POD2       CP       LE       1       1       3       25       21S       37E       672376       3591731 (*)       3788       98       48       57         CP 01001 POD1       CP       LE       1       1       3       25       21S       37E       676332       3591731 (*)       3792       75         CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       674108       3591371 (*)       3805       72       40       38         CP 01095 POD2 <th< td=""><td>CP 01004 POD1</td><td>СР</td><td>LE</td><td>4</td><td>2</td><td>4</td><td>27</td><td>21S</td><td>37E</td><td>674616</td><td>3591478 🌍</td><td>3662</td><td>70</td><td>41</td><td>2</td></th<>	CP 01004 POD1	СР	LE	4	2	4	27	21S	37E	674616	3591478 🌍	3662	70	41	2
CP 01636 POD2       CP       LE       2       3       2       28       21S       37E       672430       3592065       3780       108         CP 01096 POD2       CP       LE       2       2       4       28       21S       37E       672430       3592065       3780       108         CP 01096 POD2       CP       LE       2       2       4       28       21S       37E       672976       3591731       3788       98       48       5         CP 00220 POD1       CP       LE       1       1       3       25       21S       37E       676332       3591753*       3792       75         CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       674108       3591371       3805       72       40       3         CP 01095 POD2       CP       LE       2       2       4       28       21S       37E       674108       3591371       3848       109       48       6	CP.00242 POD1	СР	LE	3	4	2	28	215	37E	672708	3591889* 🌍	3776			
CP 01096 POD2       CP       LE       2       2       4       28       21S       37E       672976       3591731       3788       98       48       55         CP 00220 POD1       CP       LE       1       1       3       25       21S       37E       676332       3591731       3788       98       48       55         CP 000220 POD1       CP       LE       1       1       3       25       21S       37E       676332       3591753*       3792       75         CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       674108       3591371       3805       72       40       33         CP 01095 POD2       CP       LE       2       2       4       28       21S       37E       672876       3591714       3848       109       48       66	CP 01636 POD2	СР	LE	2	3	2	28	215	37E	672430	3592065 🌑	3780	108		
CP 00220 POD1       CP       LE       I       I       J       2.5       2.1S       37E       676332       3591753* (S)       3792       75         CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       676108       3591753* (S)       3805       72       40       3         CP 01095 POD2       CP       LE       2       2       4       28       21S       37E       672876       3591714 (S)       3848       109       48       66	CP 01096 POD2	СР	LE	2	2	4	28	215	37E	672976	3591731 🌍	3788	98	48	5
CP 01001 POD1       CP       LE       2       3       4       27       21S       37E       674108       3591371       3805       72       40       33         CP 01095 POD2       CP       LE       2       2       4       28       21S       37E       672876       3591714       3848       109       48       6	CP 00220 POD1	СР	LE	1	l	3	25	21S	37E	676332	3591753* 😜	3792	75		
CP 01095 POD2 CP LE 2 2 4 28 21S 37E 672876 3591714 S 3848 109 48 6	CP 01001 POD1	СР	LE	2	3	4	27	215	37E	674108	3591371 🌚	3805	72	40	3
	CP 01095 POD2	СР	LE	2	2	4	28	215	37E	672876	3591714 🌚	3848	109	48	6

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		LE			38E	679312		4866	75		
						669809		4822	167	95	72
					37E	671508		4820	5000	4374	626
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		LE			37E	671818	3591366*	4706	138	73	65
	СР	LE				677929	3591884	4636	150		
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  1       3       4       28       21S         CP       LE       3       1       20       21S         CP       LE       3</td> <td>Note: The series of the ser</td> <td>CP       LE       3       4       4       27       21S       37E       674258         O       CP       LE       1       4       1       01       21S       37E       676011         CP       LE       1       4       1       01       21S       37E       676011         CP       LE       1       4       1       01       21S       37E       67611         CP       LE       1       1       1       15       21S       37E       674676         CP       LE       2       2       2       35       21S       37E       676010         CP       LE       1       3       4       28       21S       37E       676070         CP       LE       1       3       4       28       21S       37E       676102         CP       LE       1       3       4       28       21S       37E       676102         CP       LE       1       3       4       28       21S       37E       672170         CP       LE       1       3       4       3       28       21S       37E       <t< td=""><td>CP       LE       1       3       3       26       215       37E       674669       359129       3         CP       LE       3       4       4       27       215       37E       674619       3598599       3         CP       LE       1       4       1       0       215       37E       67611       3598599       3         CP       LE       1       4       3       35       215       37E       67611       3598599       3         CP       LE       1       1       35       215       37E       67601       3591644       3         CP       LE       2       2       35       215       37E       67602       3591017       3         CP       LE       2       2       25       215       37E       67602       3591017       3         CP       LE       1       3       4       28       215       37E       67602       3591367       3         CP       LE       1       3       4       28       215       37E       67542       359074*       3         CP       LE       1       3</td><td>CP       LE       1       3       3       2       0       1       0       1       0       1       0       1       0       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       1       1       1       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       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   J</td><td>CP       LE       1       3       3       26       215       37E       674669       3591279       3862       79       43         CP       LE       3       4       27       215       37E       674669       3591279       3862       79       43         CP       LE       1       4       10       215       37E       676611       359859       3985       85         CP       LE       1       4       10       215       37E       676611       359859       3985       85         CP       LE       1       1       15       25       215       37E       676611       3598144       4296       51       36         CP       LE       1       1       15       35       215       37E       676081       359103       4366       58       48         CP       LE       1       3       4       28       215       37E       67601       359103       4431       154       49       43       44         CP       LE       1       3       4       28       215       37E       67203       391367       4431       154       4</td></t<></td>	CP       LE       1       3       3       26         CP       LE       3       4       4       27         O       CP       LE       1       4       1       01         CP       LE       1       4       4       01         CP       LE       1       4       4       01         CP       LE       1       1       1       1       35         CP       LE       2       2       2       35         CP       LE       1       3       4       28         CP       LE       3       2       2       35         CP       LE       3       2       2       35         CP       LE       3       3       2       35         CP       LE       3       3       2       35         <	CP       LE       1       3       3       26       21S         CP       LE       3       4       4       21       21S         CP       LE       1       4       1       01       21S         CP       LE       2       2       35       21S         CP       LE       1       3       4       28       21S         CP       LE       3       1       20       21S         CP       LE       3	Note: The series of the ser	CP       LE       3       4       4       27       21S       37E       674258         O       CP       LE       1       4       1       01       21S       37E       676011         CP       LE       1       4       1       01       21S       37E       676011         CP       LE       1       4       1       01       21S       37E       67611         CP       LE       1       1       1       15       21S       37E       674676         CP       LE       2       2       2       35       21S       37E       676010         CP       LE       1       3       4       28       21S       37E       676070         CP       LE       1       3       4       28       21S       37E       676102         CP       LE       1       3       4       28       21S       37E       676102         CP       LE       1       3       4       28       21S       37E       672170         CP       LE       1       3       4       3       28       21S       37E <t< td=""><td>CP       LE       1       3       3       26       215       37E       674669       359129       3         CP       LE       3       4       4       27       215       37E       674619       3598599       3         CP       LE       1       4       1       0       215       37E       67611       3598599       3         CP       LE       1       4       3       35       215       37E       67611       3598599       3         CP       LE       1       1       35       215       37E       67601       3591644       3         CP       LE       2       2       35       215       37E       67602       3591017       3         CP       LE       2       2       25       215       37E       67602       3591017       3         CP       LE       1       3       4       28       215       37E       67602       3591367       3         CP       LE       1       3       4       28       215       37E       67542       359074*       3         CP       LE       1       3</td><td>CP       LE       1       3       3       2       0       1       0       1       0       1       0       1       0       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       1       1       1       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1</td><td>CP       LE       I       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J</td><td>CP       LE       1       3       3       26       215       37E       674669       3591279       3862       79       43         CP       LE       3       4       27       215       37E       674669       3591279       3862       79       43         CP       LE       1       4       10       215       37E       676611       359859       3985       85         CP       LE       1       4       10       215       37E       676611       359859       3985       85         CP       LE       1       1       15       25       215       37E       676611       3598144       4296       51       36         CP       LE       1       1       15       35       215       37E       676081       359103       4366       58       48         CP       LE       1       3       4       28       215       37E       67601       359103       4431       154       49       43       44         CP       LE       1       3       4       28       215       37E       67203       391367       4431       154       4</td></t<>	CP       LE       1       3       3       26       215       37E       674669       359129       3         CP       LE       3       4       4       27       215       37E       674619       3598599       3         CP       LE       1       4       1       0       215       37E       67611       3598599       3         CP       LE       1       4       3       35       215       37E       67611       3598599       3         CP       LE       1       1       35       215       37E       67601       3591644       3         CP       LE       2       2       35       215       37E       67602       3591017       3         CP       LE       2       2       25       215       37E       67602       3591017       3         CP       LE       1       3       4       28       215       37E       67602       3591367       3         CP       LE       1       3       4       28       215       37E       67542       359074*       3         CP       LE       1       3	CP       LE       1       3       3       2       0       1       0       1       0       1       0       1       0       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       0       1       1       1       1       1       0       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	CP       LE       I       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J       J	CP       LE       1       3       3       26       215       37E       674669       3591279       3862       79       43         CP       LE       3       4       27       215       37E       674669       3591279       3862       79       43         CP       LE       1       4       10       215       37E       676611       359859       3985       85         CP       LE       1       4       10       215       37E       676611       359859       3985       85         CP       LE       1       1       15       25       215       37E       676611       3598144       4296       51       36         CP       LE       1       1       15       35       215       37E       676081       359103       4366       58       48         CP       LE       1       3       4       28       215       37E       67601       359103       4431       154       49       43       44         CP       LE       1       3       4       28       215       37E       67203       391367       4431       154       4



### Apache Corporation NEDU #627 Soil Boring Data 8/2019

Soil Boring ID	Depth Bored	Soil/AVG	Boring Date	Clay Depths
SB#1	198'	Clay	7/8/2019	20-198'
SB#2	34'	Clay	7/8/2019	22-34'
SB#3	34'	Clay	7/9/2019	16-34'
SB#4	28'	Clay	7/12/2019	17-28'
SB#5	30'	Clay	8/8/2019	12-30'
SB#6	104'	Clay	8/8/2019	16-104'
	_			

Page 56.06/119		Enviro	gry Horse, Ll nmental Solutions P.O. Box 1058 Hobbs, NM 88241	L <b>C</b>	BOREHOLE NO	1: 198'	OG 1 of 2
	JOB N LOGGI PROJE	OCATION:	FORMATION Apache Corporation NEDU 627 71819-1 Jerry Brian Jerry Brian 7/8/2019	DRILLI RIG TY METHO SAMPI		FORMATION Hungry-Horse, LLC John Norris INGERSOLL RANI Air Rotary Cutting Recovery	
DEPTH	WATER LEVEL	ГІТНОГОСУ:	LITHOLOGY DESCRIPTION:	Sample Interval	FIELD CHLORIDES (mg/kg)	ANALYTICAL CHLORIDES (mg/kg)	DEPTH
	9 10 15 20 25 30		Topsoil: Brn sandy loam Caliche: Caliche/Tan Clay: Brownish; MOIST at 20-21'; powder dry at 25'; redish brwn at 32-37'	 20'-Moist	FIELD CHLORIDES 1.0 (mg/kg) 2500	ANALYTICAL CHL 1.0 (mg/kg)	
	10 15 22 30 54 45 55 65 77 58 85 95 95 10 11 12 12 12 12 12 12 12 12 12		Clay and Silt: Red Clay: Red Clay and Silt: Red Clay: Tan; 81-82' yellow; 82-87' tan; 87-88' yellow; 88-90 ' red; 90-99'	Dry Dry			1990 1990 1990 1990 1990 1990 1990 1990
ed by OCD: 6/4/20243t15302MM	95 <b></b> 100 - <b>-</b> -		tan;99-122' red;122-142 redish/tan		Pattern Legend Caliche Clay Clay and Silt Sand Sandy Silt Topsoil		

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ATT COXCABBA			<b>gry Horse, Ll</b> nmental Solutions P.O. Box 1058 Hobbs, NM 88241	C	FIELD BO BOREHOLE N TOTAL DEPTH		2 of 2
SIT JO LO PR	B NC GGE OJE	DCATION:	FORMATION Apache Corporation NEDU 627 71819-1 Jerry Brian Jerry Brian 7/8/2019	DRILL RIG T METH SAMP	ING CO.: ER:	FORMATION Hungry-Horse, LLC John Norris INGERSOLL RAND TH Air Rotary Cutting Recovery	160
DEPTH	WATER LEVEL	LITHOLOGY:	LITHOLOGY DESCRIPTION	Sample Interval	FIELD CHLORIDES (mg/kg)	ANALYTICAL CHLORIDES (mg/kg)	DEPTH
100 1120 120 120 120 120 120 120 120 120	huduuluuluuluuluuluuluuluulu		Clay and Silt: Red	Dry	FIELD CHLORIDES	00.0 ANALYTICAL CHLORIDE	

-

Caliche

Clay and Silt

Clay

Sand

Sandy Silt

Topsoil

Received by OCD: 6/4/2024 Bt 15:30 PMM

Released to Imaging: 6/7/2024 2:55:58 PM

Image: Second	Image: Second	PROJECT INFO OJECT TE LOCATION: B NO.: GGED BY: OJECT MANAGER: TES DRILLED:	Apache Corporation NEDU 627 71819-1 Jerry Brian Jerry Brian 7/8/2019	DRILLE RIG TY METHO SAMPI HAMM	ER: JA /PE: II DD OF DRILLING: A .ING METHODS: C ER WT./DROP	ungry-Horse, LLC ohn Norris NGERSOLL RAND TH60 ir Rotary utting Recovery	DEPTH
5     Image: Caliche : Caliche	5     Caliche: Caliche w/tan sand, fine grained     Dry       10     15       15     Sand: tan, granular       18' W/et       20       25       30         SYMBOL LEGEND - WATER LEVEL   Pattern Legend Caliche	SYMBOLCOLUMN-WATER LEVEL	LITHOLOGY DESCRIPTION:	Sample Interval		ORIDES (mg/kg) ANALYTICAL CHLORIDES 1.0 (mg/kg) 25000.0	
	30 - 30 SYMBOL LEGEND - WATER LEVEL Pattern Legend Caliche	5 10 15 20 x x x x x x x x x x x x x	Caliche: Caliche w/tan sand, fine grained Sand: tan, granular				5 

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Page 59.0f/119			Hung Environ	<b>Gry Horse, LL</b> nmental Solutions P.O. Box 1058 Hobbs, NM 88241	С	FIELD BO BOREHOLE N TOTAL DEPTH	o. SB#3	E LOG	
	SIT JOI LOO PRO	B NG GGE OJE	OCATION:		DRILL RIG T METH SAMP		Hungry-Hors John Norris	se, LLC L RAND TH60	
DEPTH		SYMBOLCOLUMN-WATER LEVEL	ГІТНОГОСҮ:	LITHOLOGY DESCRIPTION:	Sample Interval	FIELD CHLORIDES 1.0 (mg/kg) 250	00.0 ANALYTI	ANALYTICAL CHLORIDES (mg/kg) CVT CHFORIDES (mg/kg) CVT CHFORIDES (mg/kg)	DEPTH
	9 10 15 20 25 30			Topsoil: brownish Caliche: caliche w/some silty sand Clay: brown,clumps,moist Clay and Silt: reddish brown	Dry 18' moist Dry				10 15 20 25 30
WWW 6	l			SYMBOL LEGEND - WATER		Pattern Legend Caliche			ł

SYMBOL LEGEND - WATER LEVEL	Pattern Legend
	Caliche
	Clay
	Clay and Silt
	Sand
	Sandy Silt
	Topsoil

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S J L P D	10B -0G( PRO	LOC NO.: GED JEC	CATION:		Corporation 627 1 Brian Brian	DRILL RIG T METH SAMP		NFOR Hui Joh ING Air	28' RMATION agry-Horse, LLC n Norris GERSOLL RAND TH60 Rotary ting Recovery	
	SYMBOLCOLLIMN-MATER LEVEL		гітногосу:		LITHOLOGY DESCRIPTION:	Sample Interval	(By 6w) SECONDROTHO OTELD CHLORIDES 1.0 (mg/kg) 250	000.0	ANALYTICAL CHLORIDES 1.0 (mg/kg) 25000.0	DEPTH
0 5 10 15 20 25				Caliche	brownish tan own,moist	Dry 18' moist Dry				
					SYMBOL LEGEND - WATER		Pattern Legend Caliche Clay Clay and Silt Sand Sandy Silt Topsoil			<b>-</b>

Pàgg 61 0f 119				imenta P.C	Horse, LL Il Solutions D. Box 1058 INM 88241	. <b>C</b>		FIELD BC BOREHOLE N TOTAL DEPTH	lo.	EHOLE LOG SB#5 30'	
	SITE JOB LOG PRO	JECT LOCATI NO.: GED BY:	ANAGER:	ORMA	TION Corporation 627 1 Brian		DRILLE RIG TY METHO SAMPL		Hur Joh ING Air	MATION ngry-Horse, LLC n Norris ERSOLL RAND TH60 Rotary ting Recovery	
DEPTH	SVMPALCALIMM MATER LEVEL	S TIMBULLUULUMIN-WAY LEK LEVEL	LITHOLOGY:		LITHOLOGY DESCRIPTION:		Sample Interval	(By Gw) SECONDES CHLORIDES 1.0 (mg/kg) 250		ANALYTICAL CHLORIDES 1.0 (mg/kg) 25000.0	ОЕРТН
	0 5 10 15 20 25 30			loam	: brownish, sandy rown; hit water at 22' SYMBOL LEGEND - WATER	v	Dry Wet	Pattern Legend		1.0 (mg/kg) 25000.0	0 5 10 15 20 25 30
/2024 B: 15:30 <b>D</b> MM								Caliche Clay Clay and Silt Sand Sandy Silt Topsoll			

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Page 62% f119			PROJECT INF	<b>Gry Horse, LL</b> Imental Solutions P.O. Box 1058 Hobbs, NM 88241 FORMATION Apache Corporation NEDU 627		BOREHOLE No. TOTAL DEPTH DRILLING INFO	104'	
	JO LO			71819-1 Jerry Brian Jerry Brian	RIG T METH	YPE: II OD OF DRILLING: A	NGERSOLL RAND TH60 ir Rotary futting Recovery	
_		TES	DRILLED:	8/8/19		ER WT./DROP		
DFPTH		SYMBOLCOLUMN-WATER LEVEL	LITHOLOGY	LITHOLOGY DESCRIPTION	Sample Interval	(Bydu) SECONDES HIELD CHLORIDES 1.0 (mg/kg) 25000.	WAILYTICAL CHLORIDES 1.0 (mg/kg) 25000.0	DEPTH
	9.			Topsoil: hard	_			<b></b>
	10- 15- 20-			Caliche: silty Clay: reddish brown, 20'-29'	Dry	-		-10 -15 -20
	9-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			moist	Moist Dry			15 120 120 250 100 255 100 255 100 255 100 255 100 255 100 255 100 255 100 255 100 255 250 255 250 255 250 255 250 255 250 255 250 255 250 255 255
М			· · · · · · · · · · · · · · · · · · ·	SYMBOL LEGEND - WATER		Pattern Legend		<b>-</b>
ed by OCD: 6/4/2024 3115:30 PMM						Caliche Clay Clay and Silt Sand Sandy Silt Topsoil		od to Imacino: 6/7/2024 2:65:58 PM

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### Apache Corporation NEDU #627 Pit Sampling 08/8/19

Sample ID	Depth	Soil	Sample Date	Lab BTEX	Lab Chl	Lab TPH
MW5 (SB#5)	32'	Clay	8/8/2019	<0.300	3400	<10



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

August 19, 2019

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

RE: NEDU #627

Enclosed are the results of analyses for samples received by the laboratory on 08/15/19 7:55.

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

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.

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,

Celeg L. 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:	08/15/2019	Sampling Date:	08/08/2019
Reported:	08/19/2019	Sampling Type:	Soil
Project Name:	NEDU #627	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldakei
Project Location:	NONE GIVEN		

#### Sample ID: MW5 - 32' (H902797-01)

BTEX 8021B	mg/	rkg	Anaiyze	o by: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2019	ND	1.86	92.9	2.00	3.68	
Toluene*	<0.050	0.050	08/17/2019	ND	1.96	98.0	2.00	4.39	
Ethylbenzene*	<0.050	0.050	08/17/2019	ND	2.09	104	2.00	3.42	
Total Xylenes*	<0.150	0.150	08/17/2019	ND	6.31	105	6.00	2.69	
Total BTEX	<0.300	0.300	08/17/2019	ND					

Surrogate 4-Bromofluorobenzene (PIE 98.3 % 73.3-129

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3400	16.0	08/16/2019	ND	432	108	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	8/16/2019	ND	191	95.7	200	1.10		
DRO >C10-C28*	<10.0	10.0	08/16/2019	ND	200	100	200	1.10		
EXT DRO >C28-C36	<10.0	10.0	08/16/2019	ND						
Surragate: 1-Chlorooctane	102	% 41-14	2							
Surrogate: 1-Chlorooctadecane	105	% 37.6-1-	47							

#### Cardinal Laboratories

PLEASE NOTE: Loadery and Damages. Caronal's labelity and client's exclusive remedy for any claim ansing, 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 unliess made in wrong and received by Cardinal webin thiny (30) days after completion of the applicable service. In no event shall Caronal be liable for moderial or consequential damages, including, webiont invition, business interruptions, loss of vise, or loss of prints incurred by client, its subsidianes, affiliates or successors aroang 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 Jaboratones.

Colorg 2 trana

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

*=Accredited Analyte

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

#### **Notes and Definitions**

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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### *=Accredited Analyte

Released to Imaging: 6/7/2024 2:55:58 PM PLEASE NOTE: Labdory and Damages. Cardnal's babacy and client's evolutive remedy for any claim ansing, whether based in contract or tort, shall be immede to the amount plaid by chent for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed varied unless made in which and received by Cardinal within thirty (DB) days after completion of the applicable service. In no event shall Cardinal be liable for inoderstal or consequencial damages, including, without amoteoria, business interruptions, boss of use, or loss of profits incurred by client, its subscatures, affliates or successors araining out of or related to the performance of the services hereinder by Cardinal, regardless of whether such claims 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 Laborestones.

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 4



101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FAX (575) 393-24	76	_	-				_							10	839										
Project Manage	FRUITE UIF							BILL TO								ANA	LYS	IS I	REC	QUE	ST	_				
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	State:	Zip	):			200		A					her													
Phone #:	Fax #:	-	-			-		_ A					ariond			1										
Project #:	Project Own	er:			2		<b>-</b> -4	City: Hobbs				the second s				Ł								1		
Project Name:	NED . D.C							S	tate	0	m	Zip: 28	240									1				
Project Location: NEDU 007						P	hon	e #:	48	2-681-	(A8)						1									
FOR LAB USE ONLY		-	_	_			2	E	ax #	-																
FOR LAB USE ONLY		1	E	-		MATE	શ્ર	- [	PR	ESI	ERV.	SAMPL	ING													
Lab I.D. H902797 I	Sample I.D. MW5-39 ⁺	C (G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	Xsoil		OTHER	ACID/BASE:	XICE / COOL		DATE		× Chindles	×Bru	XTAL	2									
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NS93. All claims includin WDP. In no event shall Co	d Damages. Condinal's listifity and client's exclusive remedy for g those for negligence and any other cause whatsoever shall be withal be listic for incidential or consequential damages, including	doomed	n anisir I walve	ng whe ci sinle	ther bes rs medi	sed in : e in wr	contra tting a	ct or te nd nec	rt, she sived b	l be Si y Can	milled k Sinal wi	o the amount pe ithin 30 days afte	d by the client for Ir completion of th	the leapplicable		1										-
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611 Jo 29 38nJ

# HUNGRY HORSE, LLC 3709 S. Eunice Hwy (P.O. Box 1058) Hobbs, NM 88241

Office (575) 393-3386

Apache Corporation: NEDU #627 Soil Bore #1





DIRTWORK (PAD, FACILITY AND ROAD CONSTRUCTION) ON-SITE REMEDIATION, RECLAMATION, SUBSURFACE & SURFACE DELINEATION MONITORING WELL INSTALLATION & GROUND WATER REMEDIATION ELECTRICAL SERVICES

# HUNGRY HORSE, LLC

3709 S. Eunice Hwy (P.O. Box 1058) Hobby, NM 88241 Office (575) 393-3386

Apache Corporation: NEDU #627 Soil Bore #2





DIRTWORK (PAD, FACILITY AND ROAD CONSTRUCTION) ON SITE REMEDIATION, RECLAMATION, SUBSURFACE & SURFACE DELINEATION MONITORING WELL INSTALLATION & GROUND WATER REMEDIATION ELECTRICAL SERVICES

#### APACHE NEDU 627 Soil Bore #3 DURING PHOTOS



#### APACHE NEDU 627 "Soil Bore #4" DURING PHOTOS



#### APACHE NEDU 627 "Soil Bore #4" DURING PHOTOS








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

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

District IV 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

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	2192
	Action Type:
	[C-144] PIT Generic Plan (C-144)
CONDITIONS	

Created By		Condition Date
jburdine	None	7/6/2022

CONDITIONS

Action 2192

Page 7620f 119









AReceived by OCD: 16/4/20243:15:30 PM lood Hazard Layer (NFHL)

Details Basemap
1 About 🔄 Content 📔 Legend
Legend
NFHL
Cross-Sections
Flood Hazard Zones
1% Annual Chance Flood Hazard
Regulatory Floodway
O Special Floodway
Area of Undetermined Flood Hazard
0.2% Annual Chance Flood Hazard
Future Conditions 1% Annual Chance Flood Hazard
Area with Reduced Risk Due to Levee
🂋 Area with Risk Due to Levee





Delineation Samples												
Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenz ene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
												32.480119,
5/15/2024	SP1	Surface	21,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	385	148	-103.143755
0, 20, 202 .		1'	720	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
		2'	992	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
		3'	720	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		4'	176	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
	SP2	Surface	6480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	60.5	32.479824 <i>,</i> -103.143558
	512	1'	848	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	103.143330
		2'	176	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
		2	170	<0.050	<0.050	<0.0J0	<0.130	<0.500	<10.0	<10.0	×10.0	32.479419,
	SP3	Surface	7040	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.143606
		1'	656	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		2'	976	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		3'	1420	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		4'	1520	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		5'	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
5/15/2024	H1	6"	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.479244 <i>,</i> -103.143569
												32.479887,
	H2	6"	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.143364
	Н3	6"	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.480024, -103.143826
		-	-									32.479743,
	H4	6"	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.143765



May 21, 2024

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

RE: NEDU #613

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 16:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab_accred_certif.html">www.tceq.texas.gov/field/ga/lab_accred_certif.html</a>.

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



		BRUCE BA	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: H 1 @ 6" (H242703-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/17/2024	ND	432	108	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	05/16/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	70.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAI	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: H 2 @ 6" (H242703-02)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/17/2024	ND	432	108	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	05/16/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

#### Cardinal Laboratories

#### *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	ARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: H 3 @ 6" (H242703-03)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/17/2024	ND	432	108	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	05/16/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

#### *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	IARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: H 4 @ 6" (H242703-04)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2024	ND	432	108	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	05/16/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

#### Cardinal Laboratories

#### *=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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

#### **Cardinal Laboratories**

#### *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



Page 90 of 119

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

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

Company Name: Apache	*	BILL TO	ANALYSIS REQUEST			
Company Name: Noac Le Project Manager: Bruce Bedee		P.O. #:				
Address:		Company:	┫      ,			
	~ Zip: 88240	Attn:				
Phone #: Fax #:	2	Address:				
Project #: Project Owr	er:	City:				
Project Name:		State: Zip:				
Project Location: NEDU 613		Phone #:				
Sampler Name: Sost Acuse		Fax #:				
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	┫    ≫			
Lab I.D. Sample I.D. 4342703 $*1 H \in 6''2 H \geq 6''3 H \leq 6''4 H \leq 6''4 H \leq 6''$	C     C     C     C     C     C       I     I     I     I     I     I     I       I     I     I     I     I     I     I       I     I     I     I     I     I     I       I     I     I     I     I     I     I       I     I     I     I     I     I       I     I     I     I     I       I     I     I     I     I       I     I     I     I     I       I     I     I     I     III       I     I     IIII     IIII	OTHER:: DATE TIME UCLENCOOL DATE TIME UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UCLENCOOL UC				
ASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for a lyses. All claims including those for negligence and any other cause whatsoever shall be	ny claim arising whether based in contract of	or tort, shall be limited to the amount paid by the client for the	the			
ice. In no event shall Cardinal be liable for incidental or comments to the	and an	received by Cardinal within 30 days after completion of the	e annicable			
Sosc Dec Time: 4:39	Received By:	s based upon any on the above stated reasons or otherwise Verbal Results a	e. sult:			
Time:	Received By:		er, Sasand, 59,8210520gmiss! (on 5 Marl Realt			
elivered By: (Circle One) Observed Temp. °C mpler - UPS - Bus - Other: Corrected Temp. °C	Sample Conditio Cool / Intaot	n CHECKED BY: Turnaround	Time: Standard D Bacteria (only) Sample Condition Rush Cool Intact Observed Tomp *C			



May 21, 2024

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

RE: NEDU #613

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 16:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab_accred_certif.html">www.tceq.texas.gov/field/ga/lab_accred_certif.html</a>.

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



		BRUCE BA	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 1 SURFACE (H242704-01)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	QR-03
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	QR-03
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	05/17/2024	ND	432	108	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	05/16/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	385	10.0	05/16/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	148	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 1 @ 1' (H242704-02)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/17/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	nalyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

#### Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	<u>.</u>	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 1 @ 2' (H242704-03)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/17/2024	ND	175	87.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	183	91.7	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	IARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 1 @ 3' (H242704-04)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	<u>.</u>	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 1 @ 4' (H242704-05)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	IARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 2 SURFACE (H242704-06)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	104	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	60.5	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 2 @ 1' (H242704-07)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	IARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 2 @ 2' (H242704-08)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 3 SURFACE (H242704-09)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	37.1	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	21.2	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BAK	ARLAND BLVD.		
		Fax To:	(575) 393-2432		
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 3 @ 1' (H242704-10)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 3 @ 2' (H242704-11)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	IARLAND BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 3 @ 3' (H242704-12)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

#### Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	<u>.</u>	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 3 @ 4' (H242704-13)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	e, SM4500Cl-B mg/kg		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

#### Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BRUCE BA	1arland BLVD.		
		Fax To:	(575) 393-2432	2	
Received:	05/15/2024			Sampling Date:	05/15/2024
Reported:	05/21/2024			Sampling Type:	Soil
Project Name:	NEDU #613			Sampling Condition:	Cool & Intact
Project Number:	NEDU #613			Sample Received By:	Shari Cisneros
Project Location:	NONE GIVEN				

#### Sample ID: SP 3 @ 5' (H242704-14)

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	05/17/2024	ND	2.20	110	2.00	10.3	
Toluene*	<0.050	0.050	05/17/2024	ND	2.29	114	2.00	12.2	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.36	118	2.00	14.2	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	7.30	122	6.00	14.8	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/17/2024	ND	448	112	400	3.64	
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	05/16/2024	ND	185	92.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	200	99.8	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **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

#### **Cardinal Laboratories**

#### *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



Page 107 of 119

Received by OCD: 6/4/2024.3:15:30 PM

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	/ puer a								BI	LL TO	1				× .	ANAL	YSIS	RE	QUES	ST			
Project Manage	" Bruce Bo	aker					P	.0. #															
Address:							c	omp	any:														
City: HJbk	25	State: () m	Zip:	88	241	0	A	ttn:												- A.			
Phone #:		Fax #:			Anna ann a' sta		A	ddre	SS:			1											
Project #:		Project Owner	r:				c	ity:				1											
Project Name:				And the Approximation				tate:		Zip:													
Project Location	· NEDU	613					P	hone	#:														
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FOR LAB USE ONLY					M/	ATRIX		PR	ESERV.	SAM	IPLING	1		7									
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manager:	173) 393-2326 FAX (575) : Apachy Bruce Bake-									I	BILL 7	0	1507.8		-										
Address:	Di un Dalle-							Ρ.0	D. #:			-	1000	+	T				NAI	LYSI	SR	EQUE	ST		
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r successors arising out of or rel	Cardinal's liability and client's exclusive remedy for egligence and any other cause whatsoever shall b e for incidental or consequental damages, includin ated to the performance of services hereunder Date: 5//	e deemed i g without I	waived u imitation	nless mad	le in wi	riting and	receiv	ed by C	e limite Cardina	ed to the	e amount paid 30 days after	by the client	for the	and the											
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Revegetation And Noxious Weed Plan

## **Revegetation Plan:**

All the disturbed area in the pasture will be properly prepared and reseeded with NMSLO shallow seed mixture. 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.

### SANDY LOAM (SL) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX	
Grasses:			_	
Galleta grass	Viva, VNS, So.	2.5	F	
Little bluestem	Cimmaron, Pastura	2.5	F	
Blue grama	Hachita, Lovington	2.0	D	
Sideoats grama	Vaughn, El Reno	2.0	F	
Sand dropseed	VNS, Southern	1.0	S	
Forbs:				
Indian blanketflower	VNS, Southern	1.0	D	
Parry penstemon	VNS, Southern	1.0	D	
Blue flax	Appar	1.0	D	
Desert globemallow	VNS, Southern	1.0	D	
Shrubs:				
Fourwing saltbush	VNS, Southern	2.0	D	
Common winterfat	VNS, Southern	1.0	F	
Apache plume	VNS, Southern	0.75	F	
	Total PLS/acre	17.75		

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.

• Double above seed rates for broadcast or hydroseeding.

• If Parry penstemon is not available, substitute firecracker penstemon.

- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



Released to Imaging: 6/7/2024 2:55:58 PM

Map Unit	Legend		e
			0
Ŀ	ea County, New Mexi	co (NMO	25)
Lea Cou	nty, New Mexico (N	M025)	8
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	34.8	66.4%
SE	Simona fine sandy loam, 0 to 3 percent slopes	15.0	28.7%
SR	Simona-Upton association	2.6	4.9%
Totals f	or Area of t	52.4	100.0%



A Warning: Soil Map may not be valid at this scale.

You have zoomed in beyond the scale at which the soil map for this area is intended to be used. Mapping of soils is done at a particular scale. The soil surveys that comprise your AOI were mapped at 1:20,000. The design of map units and the level of detail shown in the resulting soil map are dependent on that map scale. Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

×

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

District III

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

District IV 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

QUESTIONS

Action 350808

QUESTIONS		
Operator:	OGRID:	
APACHE CORPORATION	873	
303 Veterans Airpark Ln	Action Number:	
Midland, TX 79705	350808	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

#### QUESTIONS

nAPP2407444539
NAPP2407444539 NEDU 613 INJECTION LINE @ 0
Produced Water Release
Remediation Plan Received
NA Pro

#### Location of Release Source

Please answer all the questions in this group.		
Site Name	NEDU 613 Injection Line	
Date Release Discovered	03/07/2024	
Surface Owner	State	

#### Incident Details

Please answer all the questions in this group.		
Incident Type	Produced Water Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Crude Oil Released (bbls) Details Not answered. Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 100 BBL | Recovered: 0 BBL Produced Water Released (bbls) Details | Lost: 100 BBL Is the concentration of chloride in the produced water >10,000 mg/l Yes Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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

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QUESTIONS, Page 2

Action 350808

QUESTIONS (continued)		
Operator:	OGRID:	
APACHE CORPORATION	873	
303 Veterans Airpark Ln	Action Number:	
Midland, TX 79705	350808	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

#### QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

i,			
	Initial	Res	ponse

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 03/14/2024

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

QUESTIONS, Page 3

Action 350808

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**QUESTIONS** (continued) Operator: OGRID: APACHE CORPORATION 873 303 Veterans Airpark Ln Action Number Midland, TX 79705 350808 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date. st depth to groundwater beneath the area affected by th What is the aball

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

#### Remediation Plan

	at apply or are indicated. This information must be provided t	to the appropriate district office no later than 90 days after the release discovery date.
lease answer all the questions th	at apply of all maleated. This information must be provided t	
Requesting a remediation	plan approval with this submission	Yes
ttach a comprehensive report der	nonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
oil Contamination Sampling	: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	21200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	533
GRO+DRO	(EPA SW-846 Method 8015M)	385
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
	(	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 N	(EPA SW-846 Method 8021B or 8260B)	
Per Subsection B of 19.15.29.11 N hich includes the anticipated tim	(EPA SW-846 Method 8021B or 8260B)	0
er Subsection B of 19.15.29.11 N hich includes the anticipated tim On what estimated date wil	(EPA SW-846 Method 8021B or 8260B) IMAC unless the site characterization report includes complete lines for beginning and completing the remediation.	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM/
er Subsection B of 19.15.29.11 N hich includes the anticipated tim On what estimated date wil On what date will (or did) th	(EPA SW-846 Method 8021B or 8260B) MAC unless the site characterization report includes complete lines for beginning and completing the remediation. I the remediation commence	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM. 08/01/2024
Per Subsection B of 19.15.29.11 N hich includes the anticipated tim On what estimated date wil On what date will (or did) th On what date will (or was) t	(EPA SW-846 Method 8021B or 8260B) MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence he final sampling or liner inspection occur	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM. 08/01/2024 08/09/2024
er Subsection B of 19.15.29.11 N hich includes the anticipated tim On what estimated date wil On what date will (or did) th On what date will (or was) t What is the estimated surfa	(EPA SW-846 Method 8021B or 8260B) MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence the final sampling or liner inspection occur the remediation complete(d)	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM. 08/01/2024 08/09/2024 09/02/2024
er Subsection B of 19.15.29.11 N hich includes the anticipated tim On what estimated date wil On what date will (or did) th On what date will (or was) t What is the estimated surfa What is the estimated volur	(EPA SW-846 Method 8021B or 8260B) MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence the final sampling or liner inspection occur he remediation complete(d) ice area (in square feet) that will be reclaimed	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM 08/01/2024 08/09/2024 09/02/2024 18500
Per Subsection B of 19.15.29.11 N thich includes the anticipated tim On what estimated date will On what date will (or did) th On what date will (or was) t What is the estimated surfa What is the estimated volur What is the estimated surfa	(EPA SW-846 Method 8021B or 8260B) IMAC unless the site characterization report includes complete lines for beginning and completing the remediation. I the remediation commence the final sampling or liner inspection occur the remediation complete(d) ice area (in square feet) that will be reclaimed me (in cubic yards) that will be reclaimed	0           ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM           08/01/2024           08/09/2024           09/02/2024           18500           2176

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 350808

QUESTIONS (continued)		
Operator: OGRID:		
APACHE CORPORATION	873	
303 Veterans Airpark Ln	Action Number:	
Midland, TX 79705	350808	
	Action Type:	
	[C-141] Site Char /Remediation Plan C-141 (C-141-y-Plan)	

#### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.				
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:			
(Select all answers below that apply.)				
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes			
Which OCD approved facility will be used for off-site disposal	Sundance Services, Inc [fKJ1600527371]			
OR which OCD approved well (API) will be used for off-site disposal	Not answered.			
OR is the off-site disposal site, to be used, out-of-state	Not answered.			
OR is the off-site disposal site, to be used, an NMED facility	Not answered.			
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No			
(In Situ) Soil Vapor Extraction	No			
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No			
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No			
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No			
Ground Water Abatement pursuant to 19.15.30 NMAC	No			
OTHER (Non-listed remedial process)	No			
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM which includes the anticipated timelines for beginning and completing the remediation.				
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or			
I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmemtal Tech Email: larry.baker@apachecorp.com Date: 06/04/2024			

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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**QUESTIONS** (continued) Operator: OGRID: APACHE CORPORATION 873 303 Veterans Airpark Ln Action Number Midland, TX 79705 350808 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

QUESTIONS, Page 6

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Action 350808

QUESTIONS (continued)				
Operator: APACHE CORPORATION	OGRID: 873			
303 Veterans Airpark Ln Midland, TX 79705	Action Number: 350808			
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)			
QUESTIONS				
Sampling Event Information				
Last sampling notification (C-141N) recorded	{Unavailable.}			

No

#### Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission

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

CONDITIONS	
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Operator:	OGRID:
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303 Veterans Airpark Ln	Action Number:
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	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. Apache Corp. has 90-days (September 5, 2024) to submit to OCD its appropriate or final remediation closure report.	6/7/2024

Action 350808