

APACHE CORPORATION

P.O.Box 1849 Eunice, NM 88231 Phone 575.394.3159

White Owl Battery

Closure Report

API 30-025-36689

Release Date: December 6, 2011

Unit Letter D, Section 2, Township 20S, Range 38E

Rice Environmental Consulting & Safety

P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

November 9, 2012

Geoffrey Leking New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 1 1625 N. French Dr. Hobbs, NM 88240-9273

RE: TERMINATION REQUEST Apache – White Owl Battery AD UL/D sec. 2 T20S R38E API No. 30-025-36689

Mr. Leking:

Apache Corporation has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the site referenced above.

Background and Previous Work

The site is an accidental discharge of produced water and crude oil associated with the White Owl Battery. A fire tube gasket on a heater treater failed, releasing fluid into the bermed area and south of the bermed area, with overspray into pasture land to the south. An initial form C-141 was submitted by Apache Corporation on December 12th, 2011 (Appendix A). The site is located south of Hobbs, in unit letter 'D' of section 2, T20S, R38E in Lea County, New Mexico. According to the New Mexico Office of the State Engineer and the United States Geological Survey (USGS), depth to groundwater in the area approximated 48 ft bgs.

On December 6th, 2011, RECS personnel initiated work on the White Owl Battery (Figure 1). Surface soil samples were collected and field tested for chloride. Headspace measurements were also taken in the field using a Photo Ionization Detector (PID). The samples were submitted to a commercial laboratory for chloride and TPH (GRO/DRO) analyses (Appendix C). Chloride ranged from <16.0 mg/kg in the overspray area to 5,730 mg/kg within the bermed area. TPH ranged from <10.0 mg/kg in the overspray area to 13,080 mg/kg in the area immediately south of the berm.

The stain surrounding Pt.2 was scraped approximately 6 inches below ground surface (bgs). On December 12th, 2011, RECS personnel collected and field tested a representative composite sample from the bottom of the scrape (Figure 2). The sample was submitted to a laboratory for chloride and TPH analyses and contained 32.0 mg/kg chloride and 66.3 mg/kg TPH.

The stain within the berm was hand excavated 6 to 8 inches bgs. On December 13th, 2011, RECS personnel collected and field tested a sample from the bottom of the excavation at Pt. 1 (Figure 2). The sample was submitted to a laboratory for chloride and TPH analyses and contained 160 mg/kg chloride and 20.8 mg/kg TPH.

The stain surrounding Pt. 3 and Pt. 4 was also scraped. Impacted soils were removed from the excavations and transported to a NMOCD approved disposal facility. The berm area excavation was backfilled with clean caliche and leveled. See Appendix B for photographs of field activities.

Conclusion

Due to the removal of impacted soils relative to necessary groundwater depth, Apache submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

Apache Corporation appreciates the opportunity to work with you on this project. Please call the number below if you have any questions or comments.

Sincerely,

Bruce Bacher

Bruce Baker Project Manager RECS (575) 631-5157

Attachments:

Figure 1:Site Plat with Initial Sampling Lab DataFigure 2:Site Plat with Final Excavations and Lab DataAppendix A:Initial Form C-141Appendix B:Site PhotographsAppendix C:Laboratory ResultsAppendix D:Final Form C-141

Figures

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

Site Plat



LEA COUNTY, NM

Drafted by: TONY GRIECO

Site Plat



Appendix A Initial Form C-141

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 South St. Francis Dr. Santa Fe, NM 87505

Oil Conservation Division

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						OPERA		🛛 Initi	al Report 🔲 Final Report						
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		9 Eunice, N Owl Battery		wall #1)		Telephone No. 575-390-4186 Facility Type Production Facility									
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Signature:	be	talie	G	Jodd .	\sim		OIL CONS	SERVATION	DIVISION						
Printed Name	: Natalie G	ladden			Approved by Environmental Specialist:										
Title: EHS Er	vironmenta	ıl Tech				Approval Dat	e:	Expiration Date:							
E-mail Addre	ss: natalie.g	ladden@apac	hecorp.co	m	(Conditions of Approval:			Attached						
Date: 12/12/11 Phone: 575-390-4186															

* Attach Additional Sheets If Necessary

Appendix B Site Photographs

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293

Apache White Owl Battery AD Unit D, Section 2, T20S, R38E



Initial release, facing north

12/6/2011



Scraping leak, facing west

12/9/2011



Initial release, facing west

12/6/2011



Scraped overspray area, facing southeast 12/9/2011



Leak scraped, facing west

12/9/2011



Repairing berm, facing south

12/13/2011



Exporting soil, facing north

12/9/2011



Site complete, facing west

12/13/2011

Appendix C Laboratory Results

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	12/07/2011	Sampling Date:	12/06/2011
Reported:	12/14/2011	Sampling Type:	Soil
Project Name:	WHITE OWL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ SS (H102612-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5730	16.0	12/07/2011	ND	416	104	400	0.00	
TPH 8015M	H 8015M mg/kg			d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2000	100	12/08/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	2240	100	12/08/2011	ND	168	84.0	200	4.20	
Surrogate: 1-Chlorooctane	108	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	113 % 57.6-15		8						

Sample ID: PT. 2 @ SS (H102612-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	ide 1170 16.0		12/07/2011	ND	416	104	400	0.00	
TPH 8015M	mg,	ng/kg Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5980	100	12/08/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	7100	100	12/08/2011	ND	168	84.0	200	4.20	
Surrogate: 1-Chlorooctane	170	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane 167 % 57.6-15		8							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	12/07/2011	Sampling Date:	12/06/2011
Reported:	12/14/2011	Sampling Type:	Soil
Project Name:	WHITE OWL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ SS (H102612-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/07/2011	ND	416	104	400	0.00	
TPH 8015M	mg	mg/kg Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/08/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	26.8	10.0	12/08/2011	ND	168	84.0	200	4.20	
Surrogate: 1-Chlorooctane	81.4	% 55.5-15	4						
rrogate: 1-Chlorooctadecane 72.0 % 57.6-15		8							

Sample ID: PT. 4 @ SS (H102612-04)

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	12/07/2011	ND	416	104	400	0.00	
TPH 8015M	mg/kg Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/08/2011	ND	197	98.5	200	0.173	
DRO >C10-C28	<10.0	10.0	12/08/2011	ND	168	84.0	200	4.20	
Surrogate: 1-Chlorooctane	83.2	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	73.0	% 57.6-15	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	12/07/2011	Sampling Date:	12/06/2011
Reported:	12/14/2011	Sampling Type:	Soil
Project Name:	WHITE OWL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ 6" (H102612-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0 16.0 12/07/2011		ND	416	104	400	0.00		
TPH 8015M	8015M mg/kg Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/08/2011	ND	177	88.7	200	3.39	
DRO >C10-C28	<10.0	10.0	12/08/2011	ND	157	78.7	200	5.35	
Surrogate: 1-Chlorooctane	87.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane 73.7 % 57.6-15		8							

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Celey D. Keene, Lab Director/Quality Manager

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

Company Name: Apache Corp.						A TELEVISION	BILL TO							ANALYSIS REQUEST										
Project Manage	^{r:} Natalie Gladden						P.	0. #	:															
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Received:	12/12/2011	Sampling Date:	12/12/2011
Reported:	12/16/2011	Sampling Type:	Soil
Project Name:	WHITE OWL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S SCRAPE 6-8" 5 PT BTM COMP (H102653-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/13/2011	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/14/2011	ND	183	91.4	200	9.64	
DRO >C10-C28	66.3	10.0	12/14/2011	ND	214	107	200	6.10	
Surrogate: 1-Chlorooctane	101	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	115	57.6-15	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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Page 4 of 4



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:	12/13/2011	Sampling Date:	12/13/2011
Reported:	12/16/2011	Sampling Type:	Soil
Project Name:	WHITE OWL BATTERY AD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 1 INSIDE BERM (H102678-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/15/2011	ND	432	108	400	3.77	
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	12/15/2011	ND	221	110	200	9.35	
DRO >C10-C28	20.8	10.0	12/15/2011	ND	242	121	200	17.3	
Surrogate: 1-Chlorooctane	97.1	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	112	% 57.6-15	8						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	* Apache	inner de la company			ź						B	LL T	0					/	ANAL	YSIS	RE	QUES	ST			
Project Manage	^{r:} Natalie Gladden								Ρ.Ο). #:																
Address:									Co	mpa	any:								S	1						
City:		State: NM	Zip	:					Att	n:									Add'I Phone #: Add'I Phone #: Add'I Fax #:							
Phone #:	Fa	ax #:							Ad	dres	ss:								- L							
Project #:		roject Owner							Cit	y:					6	Σ		I	s/F							
Project Name:	white OWL Bi	aftery Au	Э,						Sta	ate:		Zip:			Chlorides	15	×	Texas TPH	on	~						
Project Location			19 - In-				-		Ph	one	#:				j.	801	BTEX	່ິ	ati	Ď						
Sampler Name:	Dak Heimis		-	-	-				-	x #:					h	Ξ	B	ха	Ú	⊢						
FOR LAB USE ONLY	*		0		-	1	MATR	IX	,	PRE	ESERV	SAN	/IPLI	NG	C	TPH		Te	ite							
Lab I.D. 카(〇26)	Sample I.D.		G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER -	DA	ΓE	TIME		-			Comple							
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analyses. All claims includi service. In no event shall C affiliates or successors arisi	nd Damages, Cardinal's liability and client's o ng those for negligence and any other cause ardinal be liable for incidental or consequen ing out of or related to the performance of se	e whatsoever shall be o tal damages, including	deeme witho	d waiv ut limit	ed ur ation,	nless ma , busine:	ide in wi	iting an uptions,	d recei loss of	ived by fuse, c	Cardina or loss of	within 30 da profits incurre	ys afte ed by e	r completion of the	he applical ries											
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	- Bus - Other:	l	15			1	Yes No	Ye	s		17	itials)		hcond	ler@	rice	-ecs	.com	ı; Lw	eint	eim	er@I	rice-e	ecs.o	com	

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

Appendix D Groundwater Study

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293



 = Non-production wells (commercial, sanitation, domestic, stock)

 \bigcirc = section (1 sq. mile)





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News updated Nov, 2011



Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs

site_no list =

• 323613103070101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323613103070101 20S.38E.02.21213

Available data for this site Groundwater: Field measuremen	ts 💽 GO
Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°36'33.3", Longitude 103°06'57.9" NAD83 Land-surface elevation 3,579.90 feet above NGVD29 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.	Output formats Table of data Tab-separated data Graph of data Reselect period



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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



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National Water Information System: Web Interface

USGS Water Resources

News updated Nov, 2011

 Data Category:
 Geographic Area:

 Groundwater

 New Mexico
 GO

Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs

site_no list =

• 323611103074701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323611103074701 20S.38E.03.22130

Available data for this site

Groundwater: Field measurements

▼ GO

Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°36'29", Longitude 103°07'53" NAD27 Land-surface elevation 3,572.90 feet above NGVD29 The depth of the well is 90 feet below land surface. This well is completed in the Ogallala Formation (1210GLL) local aquifer.	Output formats Table of data Tab-separated data Graph of data Reselect period



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Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs

site_no list =

• 323608103073501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323608103073501 20S.38E.02.311

Available data for this site

Groundwater: Field measurements

ts 🔹 GO





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Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs

site_no list =

• 323454103065001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323454103065001 20S.38E.11.41440

Available data for this site Groundwater: Field measuremen	ts 🔽 GO
Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°35'03.6", Longitude 103°06'54.7" NAD83 Land-surface elevation 3,567.00 feet above NGVD29 The depth of the well is 43 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.	Output formats Table of data Tab-separated data Graph of data Reselect period



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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



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Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs site no list =

• 323735103075001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323735103075001 19S.38E.34.22122

Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°37'25.9", Longitude 103°07'48.4" NAD83 Land-surface elevation 3,595.40 feet above NGVD29 The depth of the well is 120 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.	Available data for this site Groundwater: Field measurement	s 🗣 GO
	Hydrologic Unit Code 12080003 Latitude 32°37'25.9", Longitude 103°07'48.4" NAD83 Land-surface elevation 3,595.40 feet above NGVD29 The depth of the well is 120 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation	Table of dataTab-separated dataGraph of data



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Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs

site_no list =

• 323641103060801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323641103060801 19S.38E.36.41111

Available data for this site

Groundwater: Field measurements

▼ GO

Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°37'00", Longitude 103°06'07" NAD27 Land-surface elevation 3,573.80 feet above NGVD29 The depth of the well is 101 feet below land surface. This well is completed in the Ogallala Formation (1210GLL) local aquifer.



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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



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USGS Water Resources

News updated Nov, 2011

 Data Category:
 Geographic Area:

 Groundwater

 New Mexico
 GO

Groundwater levels for New Mexico

Search Results -- 1 sites found

Search Criteria

Agency code = usgs

site_no list =

• 323621103071101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323621103071101 19S.38E.35.34424

Available data for this site Groundwater: Field measurements	▼ GO
Lea County, New Mexico Hydrologic Unit Code 12080003 Latitude 32°36'52.2", Longitude 103°07'10.0" NAD83 Land-surface elevation 3,577.80 feet above NGVD29 The depth of the well is 100 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.	Output formats Table of data Tab-separated data Graph of data Reselect period



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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels URL: http://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



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

& no longer serves a c=the file water right file.) F POD Number Code Sul L 02735 L 03107		quarters a				/ Z=N	IE 3=	SW 4	=SE)				
POD Number Code Sul L 02735	POD			sma					(NAD83 UTM	1 in meters)		(In fee	:t)
L 02735	-		Q		-							Depth	
	obasin	County	64	16	4	Sec	Tws	Rng	Х	Y	Well	Water	Column
L 03107	L	LE	4	4	4	12	20S	38E	678836	3606463*	90	65	25
	L	LE				03	20S	38E	674886	3608704*	80	25	55
L 03125	L	LE	1	4	4	11	20S	38E	677025	3606635*	52	52	0
L 07559 POD1	L	LE	4	2	3	02	20S	38E	676385	3608438*	80	39	41
L 07559 POD10	L	LE	2	2	3	02	20S	38E	676385	3608638*	75	46	29
L 07559 POD11	L	LE	1	2	3	02	20S	38E	676185	3608638*	75	42	33
L 07559 POD2	L	LE	4	2	3	02	20S	38E	676385	3608438*	70	43	27
L 07559 POD3	L	LE	2	2	3	02	20S	38E	676385	3608638*	71	39	32
L 07559 POD4	L	LE	2	2	3	02	20S	38E	676385	3608638*	75	44	31
L 07559 POD5	L	LE	1	2	3	02	20S	38E	676185	3608638*	75	41	34
L 07559 POD6	L	LE	2	1	3	02	20S	38E	675983	3608632*	80	44	36
L 07559 POD7	L	LE	4	2	3	02	20S	38E	676385	3608438*	75		
L 07559 POD8	L	LE	4	2	3	02	20S	38E	676385	3608438*	75	39	36
L 07559 POD9	L	LE	2	2	3	02	20S	38E	676385	3608638*	70	39	31
L 11862 POD1	L	LE	1	1	1	02	20S	38E	675768	3609437*	95	45	50
L 12050 POD1	L	LE		1	1	02	20S	38E	675785	3609291	95	45	50
L 12455 POD1	L	LE	2	1	2	02	20S	38E	676854	3609504	100	68	32
									Avera	age Depth t			feet
			Minimum					n Depth	: 25	feet			
										Maximun	n Depth	68	feet

Record Count: 17

PLSS Search:

Section(s): 1, 2, 3, 10, 11, 12

, Township: 20S

Range: 38E

*UTM location was derived from PLSS - see Help

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.



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 has been replaced, O=orphaned, C=the file is closed)	(quarters						=SE) (NAD83 UTN	1 in meters)		(In feet)	
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POD Number	Code Subbas	in County				Tws	Rng	х	Y		Depth V Water Co	
L 01034	L	LE		4 2	2 34	19S	38E	675447	3610536*	80		
L 01130 POD1	L	LE		4 2	2 34	19S	38E	675447	3610536*	80	46	34
L 01144 POD 1	L	LE	4	2 2	2 34	19S	38E			76	50	26
L 01463	L	LE	1	1 '	I 35	19S	38E	675742	3611044*	85	58	27
L 01687 POD1	L	LE	2	2 ~	1 34	19S	38E	674736	3611024*	50	40	10
L 02477	L	LE	4	4 2	2 34	19S	38E	675546	3610435*	80	46	34
L 02582	L	LE	4	4 2	2 34	19S	38E	675546	3610435*	80	57	23
L 02625	L	LE	3	4 2	2 34	19S	38E	675346	3610435*	60	40	20
L 02829	L	LE	2	1 ′	1 34	19S	38E	674334	3611017*	68	35	33
L 03955	L	LE	2	2 2	2 34	19S	38E	675540	3611037*	100	58	42
L 04532 A	L	LE	3	2 ~	1 35	19S	38E	676145	3610851*	12		
L 06985	L	LE	2	1 ′	I 35	19S	38E	675942	3611044*	98	66	32
L 12343 POD1	L	LE	4	1 '	1 34	19S	38E	674434	3610730	66	42	24
L 12419 POD1	L	LE	1	1 '	I 35	19S	38E	675678	3611134	136		
L 12543 POD1	L	LE	2	1 3	3 35	19S	38E	676021	3610151	110		
								Avera	age Depth to	o Water	: 48 fe	et
			Minimur							n Depth	35 fe	et
									Maximun	n Depth	66 fe	et
Record Count: 15												

Record Count: 15

PLSS Search:

Section(s): 34, 35, 36

Township: 19S

Range: 38E

*UTM location was derived from PLSS - see Help

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Appendix E Final Form C-141

RICE Environmental Consulting and Safety (RECS) P.O. Box 5630 Hobbs, NM 88241 Phone 575.393.4411 Fax 575.393.0293 District I 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

-

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action														
						OPERA	ГOR	П	🔲 Initial Report 🛛 Final Report					
Name of Co	mpany	Apache (Contact Natalie Gladden											
Address		ox 1849, Eu	Telephone No. (575) 390-4186											
Facility Nat	ne White	Owl Batter	Facility Type Production Facility											
Surface Ow	ner Un	known	State of NM	1	L	Lease No. 30-025-36689								
н. 	LOCATION OF RELEASE													
Unit Letter Section Township Range Feet from the North						/South Line	Feet from the	East/West	Line	County				
D	2 20S 38E 582 FNL				330 FWI			L Lea						
	LatitudeLongitude													
	NATURE OF RELEASE													
Type of Rele	ase Oil/F	Produced Wat	er	· · · · · · · · · · · · · · · · · · ·			Release 12 bbl	Vo	lume Re	ecovered	10 bbl			
Source of Re	lease Fire	e Tube				Date and H 12/06/11	lour of Occurrence		te and H 06/11	lour of Dis	covery			
Was Immedia	ate Notice C					If YES, To	Whom?	12/	00/11					
	Yes X No Not Required													
By Whom?						Date and H								
Was a Water	course Reac		If YES, Vo	olume Impacting th	he Watercou	irse.								
If a Watercou	If a Watercourse was Impacted, Describe Fully.*													
n a watercourse was impacted, Describe Fully."														
Describe Cau	Describe Cause of Problem and Remedial Action Taken.*													
					eater tre	ater pressured	l up resulting in a	failure of the	e fire tul	be gasket.	Spray	area was		
back-dragged	immediate	ly. Most of th	he fluid re	mained inside the	bermed	l area, but did	spray the pasture	area.						
Describe Are	a Affected a	and Cleanup	Action Tal	ken.*										
The leak affe	cted the ber	med containn	nent and a	n area to the south			ng overspray into							
				ative soil samples illed with clean so			he excavations an	id sent to a c	ommerc	cial laborat	ory for	chloride and		
							knowledge and u	nderstand th	at pursu	ant to NM	OCD ri	iles and		
	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger													
	public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health													
							e the operator of r							
federal, state,					· · · · ·									
و		N	OIL CONSERVATION DIVISION											
Signature:	Signature: Ataliel Jodde													
Printed Name	: Natalio	e Gladden		•		Approved by	District Supervise	or:						
Title: EHa	Title: EH&S Environmental Tech						Approval Date:			Expiration Date:				
E-mail Addre	ss. Nata	lie.gladden@	anachecor	n com		Conditions of Approval:								
11		no.gradion@	apacificeof	p.00m		conditions of Approval.			Attached					
Date: 1	Date: $M [G] L$ Phone: (575) 390-4186 Attach Additional Sheets If Necessary													
r Attach Addi	tional Shee	ets If Necess	ary											