

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.

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

Santa Fe, NM 87505											
Release Notification and Corrective Action											
						OPERA	ΠF	Final Report			
Name of Co	ompany A	pache Corpo	oration			Contact Na	talie Gladden				h
Address PO	<u>) Box 184</u>	9 Eunice, N	M 88231			Telephone 1	No. 575-390-41	86			
Facility Na	me White	Owl Battery	v (nearest	well #1)		Facility Typ	e Production I	Facility			
Surface Ow	ner Unkn	own	*****	Mineral C	Owner 3	ST of NM		API	No. 30-025-3	86689	
				LOCA	ATIO	N OF REI	LEASE				
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By Whom? N	Jatalie Glad	Iden		Jour 12/7 1150an							
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☐ Yes ⊠ No											
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	k							
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should their o	perations h	ave failed to a	idequately	investigate and re	emediate	e contaminati	on that pose a three	eat to ground wa	iter, surface wa	ter, huma	in health
federal, state,	or local lay	ws and/or regu	lations.	tance of a C-141	report do	bes not reliev	e the operator of r	esponsibility to	r compliance w	rith any of	ther
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Printed Name	: Natalie C	ladden			1						
Title: EHS Er	vironmenta	al Tech				Approval Dat	e:	Expiration Date:			
E-mail Addre	ss. natalie c	rladden@ana	hecorn co	m		Ponditions - (A				
L-man Audie	55. Hatanc.	siauuen(wapat	necorp.co	111	(Jonattions of	Approval:		Attached		
Date: 12/12/	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	mg/	kg	Analyze	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 9	55.5-15	4						
Surrogate: 1-Chlorooctadecane	113 9	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	1170	16.0	12/07/2011	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	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						

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*=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	/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	12/08/2011	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						
Surrogate: 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	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	12/08/2011	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 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	73.0 %	6 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	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	12/08/2011	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. Keine

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

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

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, SM4500CI-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	tte: 1-Chlorooctadecane 115 % 57.6-		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	ie, SM4500Cl-B mg/kg Analyzed 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 % 57.6-158		8							

Cardinal Laboratories

*=Accredited Analyte

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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,	ТΧ	79603
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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Company Name	Apache	ins er d er server			ź				-		B	ILL 1	0					/	ANAL	YSIS	RE	QUES	ST			
Project Manage	r: Natalie Gladden								Ρ.Ο). #:																
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City:	5	State: NM	Zip	:					Att	n:									D D							
Phone #:	Fa	ax #:							Ad	dres	SS:								Jn.							
Project #:	Pi	roject Owner							Cit	y:					0	Σ		I	s/F							
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FOR LAB USE ONLY			0'		-	1	MATR	IX	r	PRE	ESERV	SA	MPL	NG	C	ā		Te	ite							
Lab I.D. 카 1〇 2,675	Sample I.D.		(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER -	DA	TE	TIME		F			Comple							
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PLEASE NOTE: Liability an analyses. All claims includi service. In no event shall C affiliates or successors arisi	nd Damages. Cardinal's liability and client's e ng those for negligence and any other cause ardinal be liable for incidental or consequent ing out of or related to the performance of se	exclusive remedy for an whatsoever shall be d tal damages, including rvices hereunder by Ca	ny clai leeme withou ardinal	m arisi d waivi ut limita I, regar	ng w ed ur ation, rdless	hether t nless ma , busine s of whe	ased in Ide in wi Iss intern ther suc	contrac riting an uptions, th claim	t or tor d recei loss of is base	t, shall ived by fuse, c ed upo	be limite Cardina or loss of n any of l	d to the am within 30 c profits incu he above s	ount pa lays afte rred by tated re	d by the client for or completion of t client, its subsidia asons or otherwi	r the he applica aries se.	ble				4						
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Delivered Bv	: (Circle One)				1	Sam	ple C	ondit	ion		CHEC	KED BY	<i>(</i> :	Zcond	ler@	rice	-ecs	.com	ı; Bb	ake	r@ri	ce-e	cs.co	om;		
Sampler - UPS	- Bus - Other:	t	10	1			Yes No	tact Ye	s		in the	itials)	hconder@rice-ecs.com; Lweinheimer@rice-ecs.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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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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 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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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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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 =

• 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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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	Available data for this site Groundwater: Field measuremen	ts 🔽 GO
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. Reselect period	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.	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 =

• 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.	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 =

• 323621103071101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323621103071101 19S.38E.35.34424

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.	Available data for this site Groundwater: Field measurement	ts 🔹 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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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	(R=POD has been replaced, O=orphaned,	(questere	0.50	4 1										
& no longer serves a water right file.)	C=the file is closed)	(quarters are r=NVV 2=NE 3=SVV 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)						(In feet)						
	POD		Q	Q	Q	_	_	_	¥		Depth	Depth	Water	
POD Number	Code Subbas	in Count	y 64	16	4	Sec	IWS	Rng	J X	Y	Well	Water	Column	
L 02735	L	LE	4	4	4	12	20S	38E	678836	3606463*	90	65	25	
L 03107	L	LE				03	20S	38E	674886	3608704*	80	25	55	
<u>L 03125</u>	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	o Water	: 44	feet	
										Minimur	m Depth: 25		feet	
										Maximur	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	(R=POD has been replaced, O=orphaned, C=the file is	(quarters a	are 1	=N	IW 2=	NE 3=	SW 4	=SE)				
water right file.)	closed)	(quarters a	are s	ma	allest	o large	est)	(NAD83 UTM	1 in meters)		(In fee	et)
POD Number	POD Code Subbas	in County	Q (64 1	Q (16 -	Q 4 Sec	: Tws	Rng	х	Y	Depth Well	Depth Water	Water Column
<u>L 01034</u>	L	LE		4	2 34	19S	38E	675447	3610536*	80		
L 01130 POD1	L	LE		4	2 34	19S	38E	675447	3610536*	80	46	34
L 01144 POD 1	L	LE	4	2	2 34	19S	38E			76	50	26
L 01463	L	LE	1	1	1 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 34	19S	38E	675546	3610435*	80	46	34
L 02582	L	LE	4	4	2 34	19S	38E	675546	3610435*	80	57	23
L 02625	L	LE	3	4	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 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	1 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	1 35	19S	38E	675678	3611134	136		
L 12543 POD1	L	LE	2	1	3 35	19S	38E	676021	3610151	110		
								Avera	age Depth t	o Water	: 48	feet
									Minimur	n Depth	: 35	feet
									Maximun	n Depth	: 66	feet
Decard County 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 III 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	[Initia	al Report	\boxtimes	Final Report					
Name of Co	mpany	Contact Natalie Gladden												
Address	P.O. B	ox 1849, Eu	nice, NM	I, 88231		Telephone No. (575) 390-4186								
Facility Nar	ne White	Owl Batter	y (nearest	: well #1)		Facility Type Production Facility								
Surface Ow	ner Ur	lknown		Mineral C	Owner	State of NM	1		Lease N	No. 30-025-	36689)		
				LOCA	ATIO	N OF RE	LEASE							
Unit Letter Section Township Range Feet from the North							Feet from the	East/W	est Line	County				
D	2	20S	38E	582	FNL		330	FWL		Lea				
	LatitudeLongitude													
NATURE OF RELEASE														
Type of Rele	ase Oil/I	Produced Wat	er			Volume of	Release 12 bbl	Recovered	overed 10 bbl					
Source of Re	lease Fire	e Tube				Date and H 12/06/11	Iour of Occurrenc	e	Date and 12/06/11	Hour of Dis	covery			
Was Immedia	ate Notice (Given?	V. N			If YES, To Whom?								
Image: West with and Participation														
Was a Water	course Read	ched?				If YES. Volume Impacting the Watercourse								
☐ Yes ⊠ No														
If a Watercourse was Impacted, Describe Fully.*														
Describe Cau Southern Uni back-dragged Describe Are The leak affe NMOCD app TPH confirm I hereby certi regulations a	ase of Proble on's gas co l immediate a Affected a cted the ber proved dispo ation. The fy that the i	em and Reme mpressor wer ely. Most of the and Cleanup A rmed containn osal facility. I excavations v information gi are required t	dial Actio at down over the fluid re Action Tal- nent and a Representa vere backf ven above o report at	n Taken.* remight and the h mained inside the cen.* n area to the south tive soil samples illed with clean so is true and comp nd/or file certain t	eater tro bermed h of the were co bils and blete to	eater pressuree d area, but did berm, includi ollected from leveled. the best of my	l up resulting in a spray the pasture ng overspray into the excavations ar knowledge and u	failure o area. pasture l nd sent to inderstand	f the fire t and. Impa a comme d that purs	ube gasket. acted soils w crcial laborat suant to NM	Spray vere rem ory for OCD ru	area was noved to a chloride and ules and		
public health should their of or the environ federal, state,	or the environment of the enviro	ronment. The ave failed to a ddition, NMC ws and/or regu	acceptance adequately CD acceptance adequately	the of a C-141 report investigate and r stance of a C-141	ort by th emedia report o	te contaminations a does not reliev	arked as "Final R on that pose a thr the operator of the	eport" do eat to gro responsib	bes not relibered water bility for c	ieve the oper r, surface wa ompliance w	rator of ater, hur with any	iliability man health y other		
Signature:	Signature: Aductoday													
Printed Name	e: Natali	e Gladden				Approved by	District Supervise	or:						
Title: EHa	&S Environ	mental Tech				Approval Date:			Expiration Date:					
E-mail Addre	ess: Nata	lie.gladden@	apachecor	p.com		Conditions of Approval:			Attached					
Date:	$\left[\begin{array}{c} G \end{array} \right]_{\mathcal{L}}$	/	Phone	(575) 390-4186										

Attach Additional Sheets If Necessary