2RP-1855

Bratcher, Mike, EMNRD

From:

Amy Ruth <aruth@diversifiedfsi.com>

Sent:

Monday, August 12, 2013 4:15 PM

To:

Bratcher, Mike, EMNRD

Subject:

BOPCO PLU Big Sinks 14 25 30 USA #001H - Leak Site

Attachments:

BOPCO PLU Big Sinks 14 25 30 USA #001H - Field Diagram.pdf; BOPCO PLU Big Sinks

14 25 30 USA #001H - Photo Page.docx.pdf

Follow Up Flag:

Follow up

Flag Status:

Completed

Mike,

Here is a quick diagram from my notes and some photos of the site. I will call you to discuss the field screens.

Thanks!!

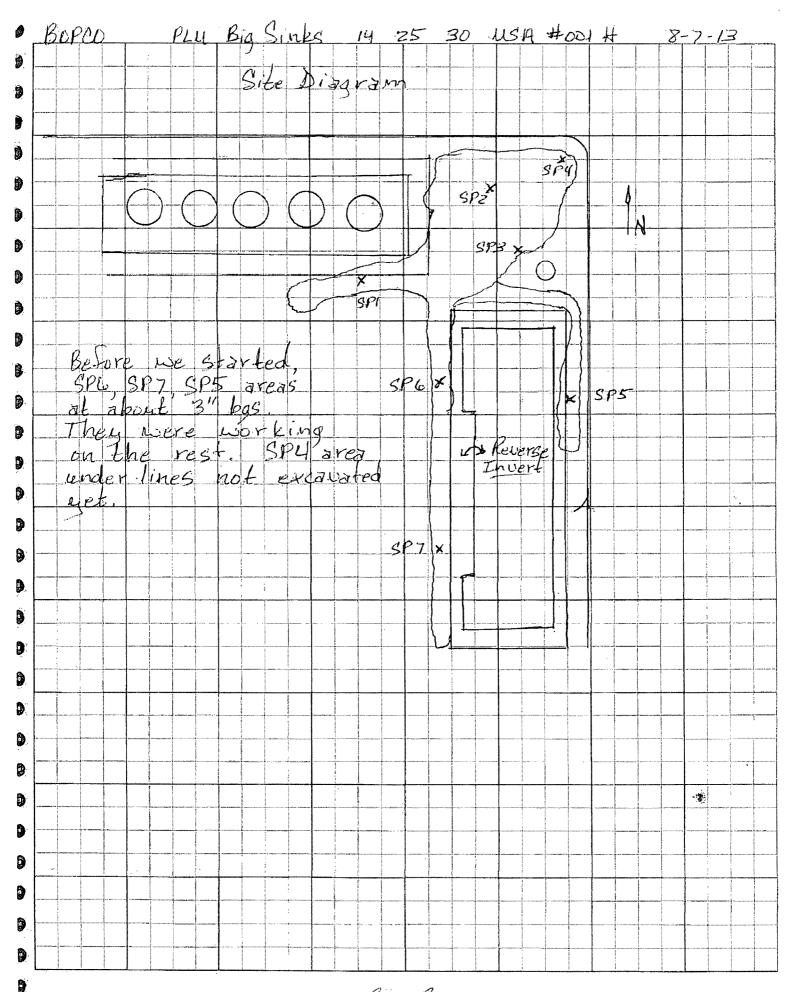
Amy C. Ruth

Diversified Field Services, Inc. 315 S. Leech St. Hobbs, NM 88240 Office: (575)397-6437

Mobile: (575)390-5454 Fax: (575)393-2981

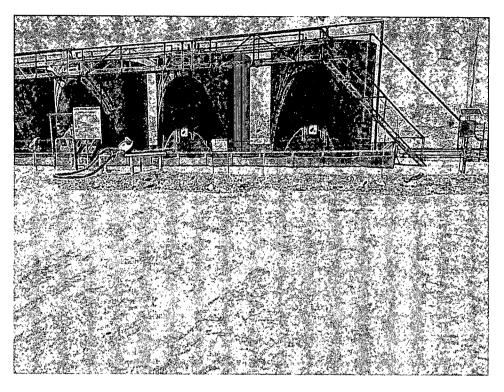
This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

[&]quot;Nothing will work unless you do." -Maya Angelou



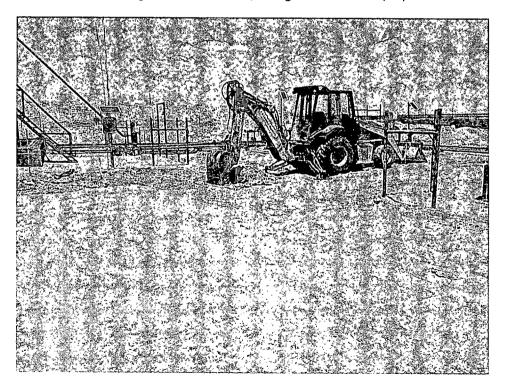
BOPCO PLU Big Sinks 14 25 30 USA #001H

Unit Letter N, Section 14, T25S R30E



Excavating south of the tanks, facing north

8/12/13

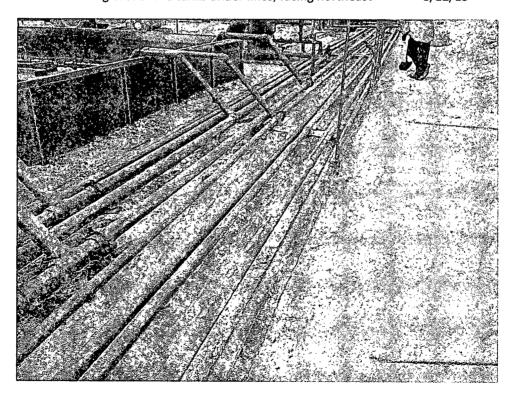


Excavating southeast of the tanks, facing northeast



Excavating east of the tanks under lines, facing northeast

8/12/13



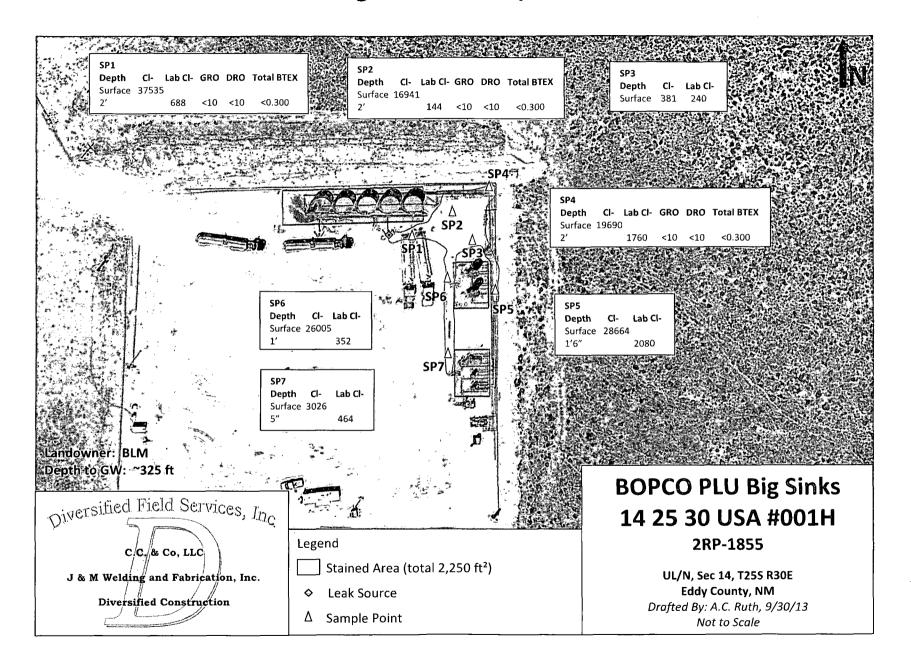
Excavated 1 ft under lines east of the treaters, facing north

8/8/2013

5000 fruit wat such of the fourt 2000 "5" 5000 "5" 5000 0000 "5"	MARJO
985 trank the B side 300 3013 1865 42	Emp
5084 = "2" Was out lines	
fins 0/8E E-15	7/0
6556 = 1) 6138 18 60 50 of 61 6-45	
058 41 6 begins 1-42 558 JE + 22 1-42 1-42 21 1-42	
SP-2 mory be it be sol some now	
17-14-455 30E Ch - 14-455 30E M-14-455 30E MANNER - 325-350	yai ssh
poyisoning In my	171/ of 01
	8/19/13
	/ /
Make his 50% inderest in well	-
Market Do Dolor and -000 0.0 001	

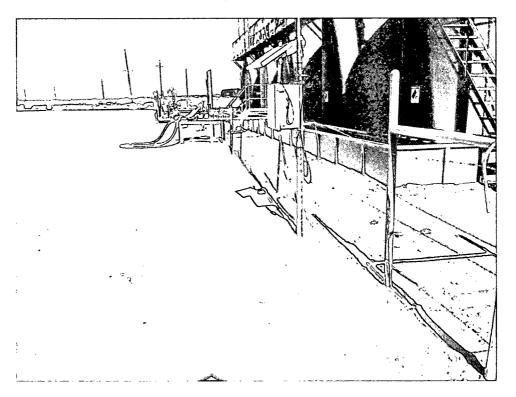
206 "5 by 132 360 5 502 - 192 AO

Site Diagram with Sample Data



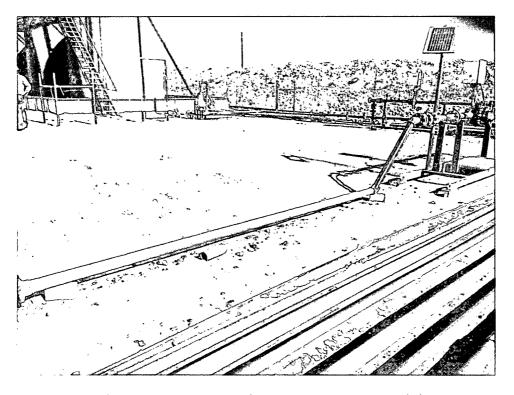
BOPCO PLU Big Sinks 14 25 30 USA #001H

Unit Letter N, Section 14, T25S R30E



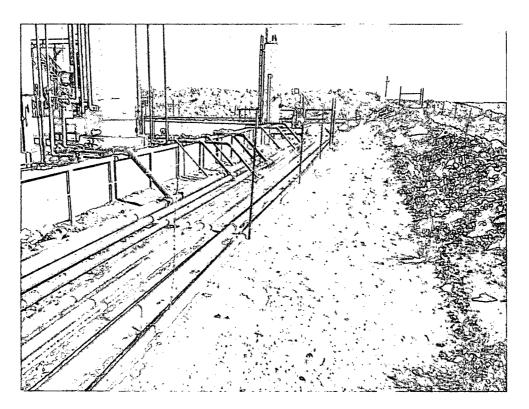
Initial stain south of tanks, facing west

8/6/13



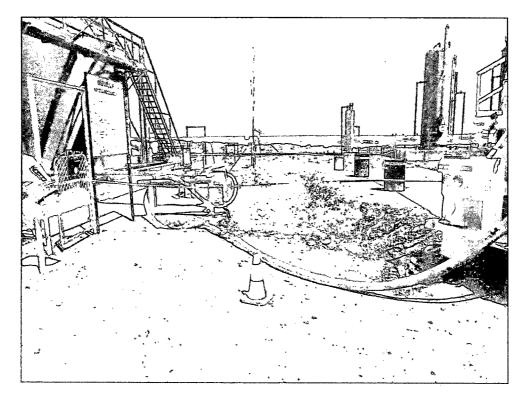
Initial stain northeast corner, facing northwest

8/6/13



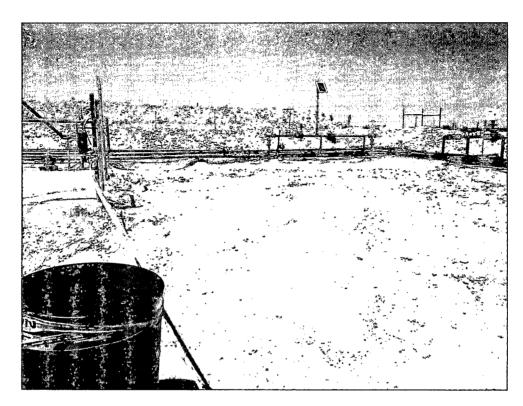
Initial stain east of treaters, facing north

8/6/13



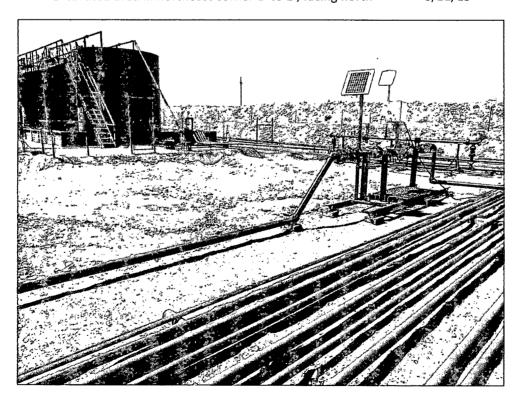
Excavated 2 ft south of tanks, facing east

8/21/2013



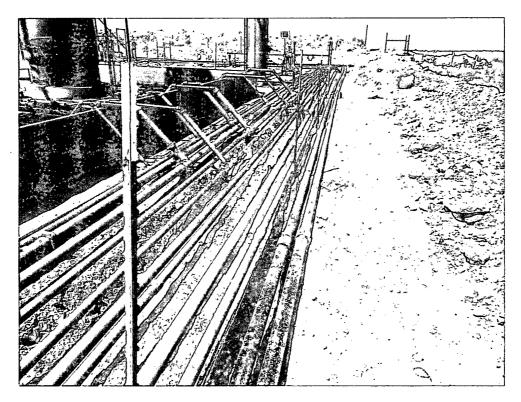
Excavated area in northeast corner 1' to 2', facing north

8/21/13



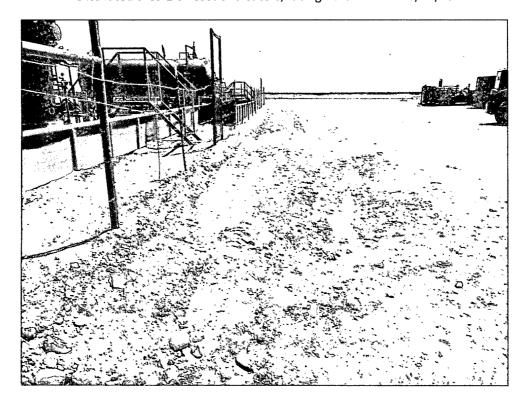
Excavated area in northeast corner 1' to 2', facing northwest

8/21/13



Excavated area 1'6" east of treaters, facing north

8/21/13



Excavated area 5" to 1' west of treaters, facing south

8/21/13

DEPTH TO GROUNDWATER

BOPCO PLU Big Sinks 14 25 30 USA #001H

UL:			N.	30E
Groundwa	ter Depth:	~325	ft.	
o = NM Office of the ● = U.S. Geological S ⇒ = Site Location	State Engineer urvey (unknown well)		/ trend map - 325 to 350	Oft bgs Date: 8/4/13 By: Amy Ruth
			205' Com	
	401 500 00	186' 3APartner STK O	O 160' Texa	co PRO/DEV
4' USGS PRO,	24S 29E	о 24S 30E Втм sтк 400' cwi	24S 31E M STK	
	0 40' GOC PRO/DEV 0 40' AGC I	ром		
60' TK	25S 29E	25S 30E	25Ş 31E 390' BJT STK	
	O 30' JN STK		330 311 311	
	o 78' MBB STK 75' MBB STK	0 173' EPNG IND 184' EPNG IND 200' BLM		35' MRM DOM 292' BJT STK 292' BJT STK
	26S 29E • ^{57'}	26S 30E 180' Grace Oil PRO/DEV	26S 31E	
			-	

District 1 1625 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

Revised August 8, 2011

Form C-141

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

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

Release Notification and Corrective Action														
nJMW 1323449477	1. OPERATOR X Initial Report Final Report													
Name of Company: BOPCO, L.P. 260737 Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88260	Contact: Jody Walters Telephone: No.575-887-7329													
Facility Name: PLU Big Sinks 14-25-30 USA Battery	Facility: Type Exploration and Production													
Surface Owner: Federal Mineral Owner														
	N OF RELEASE n/South Line Feet from the East/West Line County													
N 14 25S 30E	Eddy													
Latitude <u>N32.124358</u>	Longitude <u>W130.853639</u>													
NATURE OF RELEASE Type of Release: Produced water Volume Recovered: 38bbls water Volume Recovered: 38bbls water														
Type of Release: Produced water Volume of Release: 42bbls water Volume Recovered: 38bbls water Source of Release: Open valve on tank Date and Hour of Occurrence: Date and Hour of Discovery:														
8/1/2013 time unknown 8/1/2013,4:20 pm														
Was Immediate Notice Given?	If YES, To Whom? OCD Artesia Office													
X Yes No Not Required														
By Whom? Jody Walters Date and Hour: 8/1/2013, 6:30pm Was a Watercourse Reached? Yes X No Date and Hour: 8/1/2013, 6:30pm If YES, Volume Impacting the Watercourse ECEIVEE														
☐ Yes X No	RECEIVED													
If a Watercourse was Impacted, Describe Fully.*	AUG 1 6 2013													
	NMOCD ARTESIA													
	HARIOCD ARTESIA													
water tanks. He had pulled water level down below load line and discon 1.5 hours later another truck arrived on location to haul another load of p standing fluid.	res Inc. vacuum truck operator was pulling a load of produced water from the nected the hose leaving location. He forgotten to close the valve on the tank about produced water. This driver closed the leaking valve and recovered the free													
Describe Area Affected and Cleanup Action Taken.* Approximately 74 was recovered. The spill area will be remediated in accordance to the N	00 sq.ft. of the tank battery pad was affected by the release. The free standing fluid AOCD and BLM guidelines.													
regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remedia	the best of my knowledge and understand that pursuant to NMOCD rules and notifications and perform corrective actions for releases which may endanger he NMOCD marked as "Final Report" does not relieve the operator of liability atte contamination that pose a threat to ground water, surface water, human health does not relieve the operator of responsibility for compliance with any other													
	OIL CONSERVATION DIVISION													
Signature / on January														
Printed Name: Tony Savoie	Approved by Environmental Specialistined By Mily Bennies													
Title: Waste Management and Remediation Specialist	Approval Date: Expiration Date:													
E-mail Address: tasavoie@basspet.com	Conditions of Approval:													
	emediation per OCD Rule & Guidelines, & Attached Lapproval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: September 22,2013 Attached Lapproval Attached Lappro													

Bratcher, Mike, EMNRD

From:

Amy Ruth <aruth@diversifiedfsi.com>

Sent:

Thursday, October 17, 2013 9:23 AM

To:

Bratcher, Mike, EMNRD

Cc:

SJWalters@BassPet.Com; Michael Patterson; Stephen McGhee; jamos@blm.gov

Subject:

2RP-1855 Backfill

Attachments:

BOPCO PLU Big Sinks 14 25 30 USA #001H - Site Diagram w Sample Data.pdf; H301932

DIVERSIFIED.pdf; H302037 DIVERSIFIED sp1,2,4.pdf

Hi Mike,

This email is in reference to our meeting with you on Friday morning 10/4/2013 for this BOPCO leak. In our discussion, we presented lab data with a plat of the site, along with a groundwater study of the area. At the conclusion of the meeting, it was decided that BOPCO has permission to backfill the excavation at PLU Big Sinks 14 25 30 USA #001H (2RP-1855). A closure report will be compiled and submitted after backfill of the site is completed. If you have any questions/concerns, please call me at the number below.

Thank you so much for your time and assistance!

Amy C. Ruth

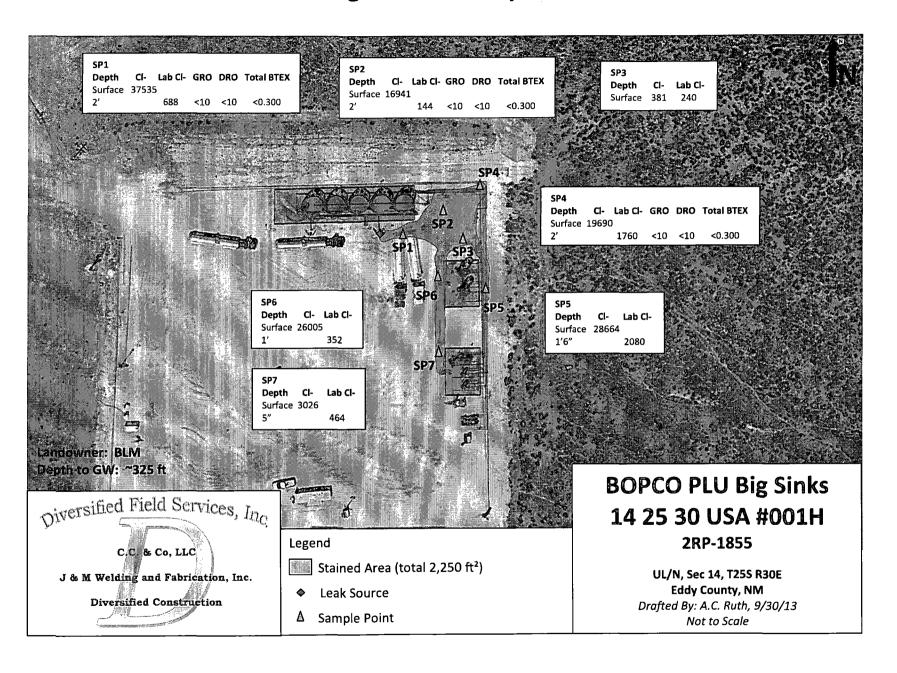
Diversified Field Services, Inc. 315 S. Leech St. Hobbs, NM 88240 Office: (575)397-6437

Mobile: (575)390-5454 Fax: (575)393-2981

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

[&]quot;Nothing will work unless you do." -Maya Angelou

Site Diagram with Sample Data





August 15, 2013

AMY RUTH
DIVERSIFIED FIELD SERVICES, INC.
P. O. BOX 5966
HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 534.4 Paggillated VOCa (V4. V2. V2.)

Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



DIVERSIFIED FIELD SERVICES, INC. AMY RUTH P. O. BOX 5966 HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/14/2013

Sampling Date:

08/06/2013

Reported:

08/15/2013

Sampling Type:

Soil

Project Name:

PLU BIG SINKS 14 25 30 USA #001H

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

MALAGA, NM

Sample ID: SP 3 @ SURFACE (H301932-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/15/2013	ND	400	100	400	0.00	
Sample ID: SP 7 @ 5'' (H:	301932-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride 464		16.0	08/15/2013	ND	400	100	400	0.00	
Sample ID: SP 5 @ 1' 6" ((H301932-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	08/15/2013	ND	400	100	400	0.00	
Sample ID: SP 6 @ 1' (H3	801932-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/15/2013	ND	400	100	400	0.00	

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 walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE MOTE: 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 warved unless made in writing and received by Cardinal within turity (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 cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Phone #: 575-397-14137 Fax #:

Company Name:

Project Manager:

ANALYSIS REQUEST

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

State: NM Zip: 88240

Project #:	Project Owne	r: <i>Bl</i>	D₽	<u>700</u>		Ci	ty:(to: Carls bad									1 1						
Project Name:	PLU Big Sinks 14 25 31	کیا د	A:	#0D	ı H	St	ate:	NN	ď	Zip: 👸 🥇	OSS	l			1	1		1 .	1 .	l	1		
Project Location			•								34-202	8								ļ.			
Sampler Name:	Anny Ruth						Fax #:									İ]_				
FOR LAB USE ONLY		$\Pi\Pi$		M/	TRIX		PR	ESEI	RV.	SAMPL	ING] ,	ļ	1]	1]		
Lab I.D.	Sample I.D.	R (C)OMP	MATER	ATER			iú			.·		ride			٠.								
H301931-		(G)RAB OR (C)C	GROUNDWATER	WASTEWATER	OF C	SLUDGE	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME	Chlo											
07	SY3@surf	GI	4	V	1			V		8-6-13	10:05	V	<u> </u>	4	1			<u> </u>	1				
	5976 54	61	1	$ v \rangle$		_	┺	ν	_	8-8-13	10:25	V	ļ		<u> </u>		ļ					<u>.</u> ·	
\sqrt{3}	3P5 6 16"	<u>ن</u> ا	_	1		_	 	0	_	8-8-13	7/	V	:	4	1	\downarrow	<u> </u>	↓	ļ	<u> </u>		L	
ÐÝ.	57601	91	_	$ \nu $	11		ــــــ	V	_	8-12-13	9:04				_	4	<u> </u>	<u> </u>	ļ	-	<u> </u>		
		 	┸	11	-		╽_		_			<u> </u>	<u> </u>		1.		 	↓	<u> </u>	<u> </u>	ļ		
			1	1-1-	$\bot \downarrow$		↓_						<u> </u>		_	_	<u> </u>	ļ					
		╀	1		1-1		 						ļ	4	—		<u> </u>	ļ	<u> </u>				
		 	┺		1-1	_	\vdash		_		ļ			-	\bot		ļ	 	↓	ļ	ļ		
		₽-	╄	1	 	+	L		_		ļ		_	—	\bot	-	ļ	 	 	 			
DI FASE NOTE: Line No	d Damages. Calthoa's liability and client's exclusive remedy for	eny claim ari		hether bas	ed in cont	rant or to	of cha	l be lim	ited (o the amount re	id by the client to	1170	L		J	<u> </u>				<u> </u>			
analyses. All claims includir service. In no event shall C affiliates or successors arisin	ng those for negligence and any other cause whatsoever shall be ardinal be llable for incidental or consequental damages, includin ng out of or related to the performance of services hereunder by	deemed wai without time cardinal, reg	ived ur itation, pardless	iless made business i s of whethe	in writing	and reco	eived b	y Cardi	nal w	ithin 30 days sf	er completion of t client, its subsidia assons or otherwi	he applicat aries, se.								70 market			
Relinguished By	V-14-13	Rece	Yeo	ı ву: /	1	7	,		/		Phone Re Fax Resul	lt:			No No	Add'i Add'i	Phone Fax #:	辞;		<u> </u>			
Relinguished By	1456	Rece	n ic		9cff		101	17	1	- :	REMARK	S:										•	
Daniel	Och 17 Time: 170			lu	K	ll	1	14	1	· ·		•											
Delivered By: Sampler - UPS	•	, K,	en.	Sample Cool	tntac	1		CHE	CK	ED BY:			.,	•									
† Cardinal	cannot accept verbal changes. Pleas	e fax w	ritte	n char	iges t	0 (57	B) 3	<i>AE</i> 93-2	326	<u> </u>						_	_			•			i

P.O. #:

Company: ZH Servi



August 29, 2013

AMY RUTH

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



DIVERSIFIED FIELD SERVICES, INC. AMY RUTH P. O. BOX 5966 HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/23/2013

Sampling Date:

08/15/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

PLU BIG SINKS 14 25 30 USA #001H

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

MALAGA, NM

Sample ID: SP 1 @ 2' (H302037-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result Reporting Lim		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	ene* <0.050 0.050 0		08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 89.4-12	26						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/29/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND					
Surrogate: 1-Chlorooctane	79.9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	82.4	% 63.6-15	54						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kure



DIVERSIFIED FIELD SERVICES, INC.

AMY RUTH

P. O. BOX 5966

HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/23/2013

Sampling Date:

08/15/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

PLU BIG SINKS 14 25 30 USA #001H

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

Project Number:

Sample ID: SP 2 @ 2' (H302037-02)

NONE GIVEN

MALAGA, NM

Project Location: MALAC

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	nzene* <0.050 0.050		08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	1
Total BTEX <0.300		0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/29/2013 ND		416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: CK/					· · · · · · · · · · · · · · · · · · ·
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	RO >C10-C28 <10.0 10.0		08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C3\$			08/28/2013	ND					
Surrogate: 1-Chlorooctane 8		% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	88.2	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Camages. Cardinal's fability 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 warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Jaboratories.

Celey D. Kura



DIVERSIFIED FIELD SERVICES, INC. AMY RUTH P. O. BOX 5966 HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/23/2013

Sampling Date:

08/15/2013

Reported:

Sampling Type:

Soil

08/29/2013

Sampling Condition:

Cool & Intact

Project Name: Project Number: PLU BIG SINKS 14 25 30 USA #001H NONE GIVEN

Sample Received By:

Jodi Henson

Project Location: MALAGA, NM

Sample ID: SP 4 @ 2' (H302037-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW						
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16		
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398		
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201		
Total BTEX	<0.300	0.300	08/28/2013	ND						
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	08/29/2013	ND	416	104	400	3.92		
TPH 8015M	mg,	kg	Analyze	d By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98		
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826		
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND						
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	10							
Surrogate: 1-Chlorooctadecane	95.2	% 63.6-15	i <i>4</i>							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTIE: Liability and Damages. Cardinai's liability and client's exclusive nemedy for any claim arising, whether based in contract or tont, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistooever shall be deemed walved 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

Celey D. Keene



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

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 walved 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 neasons or otherwise. Results rebate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keine



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	
Company Name: Diversified Field Service Inc.	BILL TO ANALYSIS REQUEST
Project Manager: Amu Ruth	P.O. #:
Address: 315 S. Leech	company: ZH Service 9
City: 4866 State: NM Zip: 88240	Attn: Jay Longoria
Phone #: 575-397-6437 Fax #:	Address: 4515 National Parks Huy
Project #: Project Owner: BOPCO	City: Carlabad
Project Name: PLU Bia Sinks 14 25 30 USA #001 H	State: NM ZIp: 88220 \$
Project Location: Malada NM	Phone #: 575-234-2028
Sampler Name: Hmu Ruth	Fax #:
FOR LAB USE ONLY MATRIX	PRESERV SAMPLING
S S S OWN	
Tap I.D. Sample I.D. CONTAINERS OR (C)C CONTAINERS OR (C)C CONTAINERS OIL ILL ILL ILL ILL ILL ILL ILL ILL ILL	
Lab I.D. Sample I.D. 방향형	
# CONTAINERS SENUMBERS SOIL SOIL SULUDGE	OTHER: ACIDIBASE Chi Cool ATT ANIT AN
1 SP1 @ Z' GI	J 8-15-13 1500 J J J
2 5PZ @ Z' GI V	1 8-15-13 1515 / /
3 SP4 60 2' GII	1 8-15-13 1600 1 1
PLEASE NOTE: Liability and Damages. Cardinal's instillity and client's exclusive remedy for any claim arising whether based in contract analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing an	ct or tort, shall be limited to the amount paid by the client for the id received by Cardinal within 30 days after completion of the applicable

	antillates of successors ensiting datast of related to the periodifance of	I Services hereunder by L	Caldinal, regardless of whether soci causi a based about any of the above state	es reasons of build wise.
	Relinquished By	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
		8-23-13		Fax Result: Yes No Add'l Fax #:
/		Time:	7 / W / O M / 1941	REMARKS:
	IN MELLINE	1575	CICILIFI CHENCE	
	Relinguished By:	Date:	Received By:	- emzi/
	Kelituanshed by.	Date.	Topicited by:	CATALLY .
	\ \	Time:	-{	$1 \Delta P D \Delta$
	<i>)</i> :	Tune:		STWalterga Bassfet.Com
1		<u> </u>	OUTOUTED DV	30 Walter De Basier. Com
	Delivered By: (Circle One)		Sample Condition CHECKED BY:	arutho diversified si, com
			Cool Intact (hittas)	arution diversitientsi som
	Sampler - UPS - Bus - Other:		1.50 Eyes Eyes // N	1 a a a c a consit reats, com
			No No O	
-				

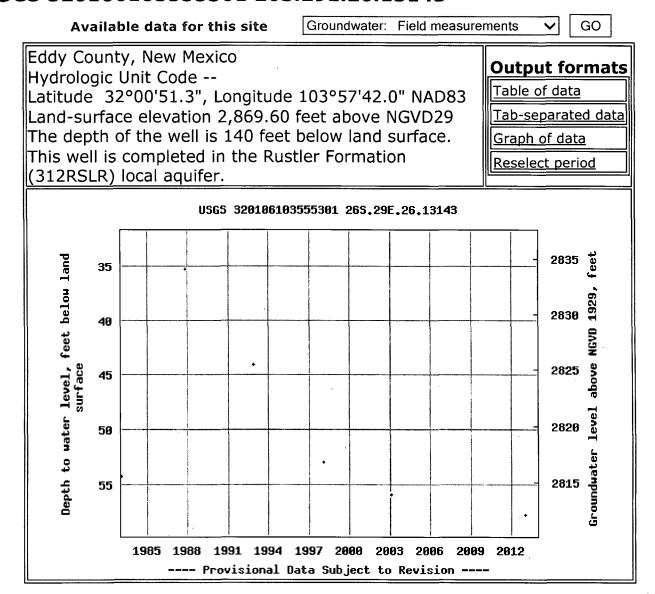
[†] Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

DEPTH TO GROUNDWATER

BOPCO PLU Big Sinks 14 25 30 USA #001H

UL.			N.	
Groundwa	ter Depth:	~325	ft.	
 = NM Office of the = U.S. Geological S = Site Location 	e State Engineer Gurvey (unknown well)	•	V trend map - 325 to 350	Oft bgs Date: 8/4/13 By: Amy Ruth
				,
			205' Com	of Pub
			Lands PR(
		186' 3APartner STK ©	160' Texa	co PRO/DEV
4' USGS PRO,	245 29E	24S 30E STM STK 400' CWI	24S 31E M STK	
	40' GOC PRO/DEV			
		2014		
60' TK	© 40' AGC I &WCB STK 25S 29E	25S 30E	25§ 31E 390' BJT STK	
	30' JN STK			
	78' MBB STK 75' MBB STK	173' EPNG IND 184' EPNG IND 200' BLM	300' BJ DOM/MUL	35' MRM DOM 292' BJT STK 292' BJT STK
	26S 29E	26S 30E 180' Grace	26S 31E	
	•57'	Oil PRO/DEV		

USGS 320106103555301 26S.29E.26.13143





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

closed)

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

water right file.)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

**************************************	ile.		POD	in di		J.		-	제 - 경기	1						
POD Number		Code	Sub- basin	County	Q 64	Q 16	Q 4	Sec	Ťws	Rng	X	Y	5.Ng		V 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Water Column
C 00349		С	CUB	ED		1	3	18	24S	29E	591401	3564773*	\$\frac{1}{2}	2734		
C 00381		С	С	ED	3	2	3	07	248	29E	591682	3566297*	Ş	2797		
C 00463			С	ED	4	4	4	17	248	29E	594332	3564282*	G,	260	4	256
C 00856				ED	1	2	4	30	24\$	29E	592538	3561644*	\$	380		
C 00857				, ED	3	1	4	30	248	29E	592135	3561440*	Ş	306		
C 00862				ED ·	1	2	4	30	248	29E	592538	3561644*	\mathfrak{P}	155		
C 00863				ED	3	3	1	16	248	29E	594524	3565091*	G,	220		
C 00863 CLW199506		0		ED	3	3	1	16	24\$	29E	594524	3565091*	\$ }	220		
C 02713			С	ED	4	4	1	16	248	29E	591633	3565944	<u>,</u>	230	18	212

Average Depth to Water:

11 feet

Minimum Depth:

4 feet

Maximum Depth:

18 feet

Record Count: 9

PLSS Search:

Township: 24S

Range: 29E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced C=the file is closed)

and no longer serves this file, (quarters are 1=NW.2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

basin Use Diversion Owner

(acre ft per annum)

County POD Number

Code Grant

Source 6416 4 Sec Tws Rng

C 00463

WR File Nbr

0 U.S. GEOLOGICAL SURVEY

ED C 00463

Shallow 4 4 4 17 24S 29E

Record Count: 1

POD Search:

POD Number: C 00463

Sorted by: File Number

*UTM location was derived from PLSS - see Help



Active & Inactive Points of Diversion

(R=POD has been replaced

(with Ownership Information)

(acre ft per annum)							and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in me								in meters	s)
) · .								The second secon		qqq	,		your to week think and			
n U	se Diversion	Owner		Çoı	nty POD Number	er	Code Grant	the same and an experience	Source	6416 4	Sec	Tws Rng	l	<u>.</u> X	·	Y
11	ND 645	RED BLUF	F WATER POWER (CONTROL E	D <u>C 02713</u>				Shallow	4 4 1	16	24S 29E	5916	33	356594	4 🎲

Record Count: 2

WR File Nbr C 02713
C 03360

POD Search:

POD Number: C 02713

0 REEF EXPLORATION

Usage Filter:

Use: All Usages

Sorted by: File Number

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.

8/4/13 4:44 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

Shallow 4 4 1 16 24S 29E



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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

**: .3	POD Sub-		Q,	Q (٠ .		1174		The state of the s	Depth	Depth:	Water
POD Number	Code basir	n County	64	16 4	1 Sec	Tws	Rng	X	Y	Well	Water C	olumn
<u>C 02108</u>		ED		1 3	08	24\$	30E	602702	3566487* Ş	200	186	14
C 02109		ED	1	2 4	19	248	30E	602130	3563412 🍣	130	150	-20
<u>C 02110</u>		ED		4 3	23	248	30E	608036	3562950* 💱	600	400	200
C 02780		ED	2	3 2	23	248	30E	608535	3563857* 💱	505		
<u>C 02781</u> .		ED	4	3 2	23	248	30E	608535	3563657* 🕞	624		
<u>C 02782</u>		ED	4	3 2	23	24\$	30E	608535	3563657* 🕄	808		
C 03558 POD1	С	ED	1	2 2	25	24\$	30E	610442	3562615 🥞	50		
C 03558 POD2	С	ED	1	2 2	25	24\$	30E	610442	3562615 🕄	50		
C 03558 POD3	С	ED	1	2 2	25	248	30E	610442	3562615 🥞	50		
C 03558 POD4	C	ED	1	2 2	25	24S	30E	610442	3562615 🖏	a 50		
C 03558 POD5	С	ED	1	2 2	25	248	30E	610442	3562615 🦠	5 0		

Average Depth to Water: 245 feet

Minimum Depth:

150 feet

Maximum Depth:

Record Count: 11

PLSS Search:

Township: 24S

Range: 30E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file. (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

County POD Number

Code Grant Source 6416 4 Sec Tws Rng

C 02108

basin Use Diversion Owner

3 A PARTNERSHIP M&M CATTLE CO

Record Count: 1

POD Search:

POD Number: C 02108

Sorted by: File Number

*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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

basin Use Diversion Owner

(acre ft per annum)

3 TYSON MAHAFFEY

County POD Number ED C 02109

Code Grant

Source 6416 4 Sec Tws Rng 1 2 4 19 24S 30E

3563412 💫

WR File Nbr C 02109 C 03616

0 CONCHO OIL & GAS

1 2 4 19 24S 30E

Record Count: 2

POD Search:

POD Number: C 02109

Sorted by: File Number

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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

Sub

basin Use Diversion Owner

(acre ft per annum)

County POD Number

Code Grant

Source 6416 4 Sec Tws Rng

qqq

WR File Nbr C 02110

3 CLARENCE W. MCDONALD

ED C 02110

4 3 23 24S 30E

Record Count: 1

POD Search:

POD Number: C 02110

Sorted by: File Number

*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 are 1=NW 2=NE 3=SW 4=SE)

water right file.) closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	POD	150 min br>150 min 150 min		机	C) Sv Joseph		Japan				all a	
POD Number Cod	Sub- e basin	County	Q (64 1 /	4.1600	Sma 1 1	Tws	Rng	X	The state of the s	to account the publishment and mountain	Depth Water 0	8. 50 El 60 A 10 A 10 HILLS
C 02405	С	ED	4	1	02	24S	31E	617690	3568631*	275	160	115
C 02440	С	ED	2	2 3	10	248	31E	616103	3566599*	350		
C 02460	С	ED		3	02	248	31E	617496	3568022*	320		
C 02460 POD2	С	ED		3	02	24\$	31E	617496	3568022*	320		
C 02464	С	ED	3 4	1	02	248	31E,	617589	3568530* 3	320	205	115
C 02661		ED	3 3	3 1	04	24\$	31E	613969	3568485*	708		
C 02783	CUB	ED	3 3	3 1	04	24\$	31E	613911	3568461	708		
C 02783 POD2	С	ED	3 3	3 1	04	248	31E	613911	3568461	672		
C 02784	С	ED	4 2	2 4	04	248	31E	613911	3568461	584		
C 02785		ED	3 3	3 1	04	24\$	31E	613969	3568485*	692		

Average Depth to Water:

182 feet

Minimum Depth:

160 feet

Maximum Depth:

205 feet

Record Count: 10

PLSS Search:

Township: 24S

Range: 31E



Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)							(R=POD has been replaced and no longer serves this file, C=the file is closed)	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)							
WR File Nbr C 00225 A	Sub basir	ı Use Div IRR		Owner GREGORY ROCKHOUSE RANCH		C 02405	Code Grant	Source Shallow	q q q 6416 4 4 1	Seç	Tws Rng 24S 31E		Y 3568631* 🛂		
C 01246 AO		IRR	47.82	CATHLEEN MC INTIRE	ED	C 02405		Shallow	4 1	02	24S 31E	617690	3568631* 🕏		
C 02405	С	PŖO	0	TEXACO EXPLORATION & PROD. IND	ED	C 02405		Shallow	4 1	02	24S 31E	617690	3568631* 🚱		
C 02452	С	PRO	0	TEXACO EXPLORATION & PROD INC.	ED	C 02405		Shallow	4 1	02	24S 31E	617690	3568631* 😱		
C 02576	С	PRO	0	SONAT EXPLORATION COMPANY	ED	C 02405		Shallow	4 1	02	24\$ 31E	617690	3568631* 🕼		

Record Count: 5

POD Search:

POD Number: C 02405

Sorted by: File Number

*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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr

basin Use Diversion Owner

(acre ft per annum)

0 COMMISSIONER OF PUBLIC LANDS

Source 6416 4 Sec Tws Rng

Shallow 3 4 1 02 24S 31E

Record Count: 1

POD Search:

POD Number: C 02464

Sorted by: File Number

*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 are 1=NW 2=NE 3=SW 4=SE)

water right file.) closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub- Code basin		Q Q	34 JUN	7 8 69	T	Pna			A41-34645876288	CHIPP. TANKSHIP	When the Charles are	Water Column
C 01337	C Code	ED				25S		591926	3552642*	- 0.0000	180	30	150
C 01880	С	ED	3 3	2	06	25S	29E	592161	3558605*	<i>\$</i>	85	40	45
C 02371	С	ED	2	3	15	25S	29E	596741	3555106*	4	200	60	140
C 02459	С	· ED	4 4	1	02	25S	29E	598422	3558663*	9	150		
C 02518	С	ED	3	4	80	258	29E	593895	3556300*	Ş	462		
C 02680	С	ED	2	3	15	25S	29E	596741	3555106*	Ŷ	200		
RA 07162 EXP2		ED	1 3	1	10	25S	29E	596214	3557222*	45	55	40	15

Average Depth to Water:

42 feet

Minimum Depth:

30 feet

Maximum Depth:

60 feet

Record Count: 7

PLSS Search:

Township: 25S

Range: 29E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

C=the file is closed)

WR File Nbr

basin Use Diversion Owner

(acre ft per annum)

County POD Number

Code Grant

Source 6416 4 Sec Tws Rng

C 01337

3 JAMES NYMEYER

ED C 01337

Shallow 2 1 30 25S 29E

Record Count: 1

POD Search:

POD Number: C 01337

Sorted by: File Number

*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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

Source 6416 4 Sec Tws Rng

basin Use Diversion Owner

0 GULF OIL CORPORATION

County POD Number ED C 01880

Code Grant

Shallow 3 3 2 06 25S 29E

Record Count: 1

WR File Nbr

C 01880

POD Search:

POD Number: C 01880

Sorted by: File Number

*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



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

County POD Number

C 02371

(acre ft per annum)

3 TRANKING & WESTERN COMM. BANK ED C 02371

Shallow 2 3 15 25S 29E

Record Count: 1

POD Search:

POD Number: C 02371

Sorted by: File Number

*UTM location was derived from PLSS - see Help



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

basin Use Diversion Owner

Source 6416 4 Sec Tws Rng

0 AMARICAN GROUNDWATER

Shallow 1 3 1 10 25S 29E

Record Count: 1

POD Search:

POD Number: RA 07162 EXP2

Sorted by: File Number

*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 are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number

000 Sub-

Code basin County 64 16 4 Sec Tws Rng.

Depth Depth Water Well Water Column

C 01379

POD

4 4 3 10 25S 30E

606571

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 1

PLSS Search:

Township: 25S

Range: 30E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr basin Use Diversion Owner

(acre ft per annum)

County POD Number

Code Grant

Source 6416 4 Sec Tws Rng

C 01379

3 BUCK JACKSON

ED C 01379

4 4 3 10 25S 30E

Record Count: 1

POD Search:

POD Number: C 01379

Sorted by: File Number

*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

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

(quarters are smallest to largest) (NAD83 UTM in meters) closed)

(In feet)

,	POD	,					,			,
POD Number	Sub- Code basin Count	* S		Q 4 Sec	Tws	Rng	X	· · · · · · · · · · ·	.5 % 5	Depth: Water Water Column
C 02250	ED	3	1 4	21	25S	31E	614912	3553620* 🚱	400	390 10
C 02568	ED	4	3 1	01	25S	31E	619103	3558892* 🦃	1025	
C 02569	ED	4	4 2	02	25S	31E	618699	3558891* 🚱	1016	
C 02570	ED	4	2 4	02	25S	31E	618704	3558489* 🖓	895	
C 02571	ED	4	1 2	02	25S	31E	618292	3559294* 🚱	860	
C 02572	ED	4	2 2	02	25S	31E	618695	3559294* 🕎	852	
C 02573	ED	1	4 2	02	25S	31E	618499	3559091* 🚱		
C 02574	ED	1	1 2	02	25S	31E	618092	3559494* 🥎		

Average Depth to Water:

390 feet

Minimum Depth: 390 feet

Maximum Depth:

390 feet

Record Count: 8

PLSS Search:

Township: 25S

Range: 31E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

Source 6416 4 Sec Tws Rng

WR File Nbr

Sub

basin Use Diversion Owner

(acre ft per annum)

County POD Number

Code Grant

3 1 4 21 25S 31E

C 02250

3 BUCK JACKSON TRUST

ED C 02250

Record Count: 1

POD Search:

POD Number: C 02250

Sorted by: File Number

*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

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

closed) (quarters are smalles

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	Š	POD	. A	- 3.E -		2%		8,	7,77	SCHOOL V. SWAN		* * * * * * * * * * * * * * * * * * *		ę.
		Sub-			Q						, e	Depth	Depth	Water
POD Number	1.44	Code basin	County	64	16	4	<u>Sec</u>	Tws	Rng	*X	Y	Well	Water	Column
C 01354 X-3		С	ED	2	1	3	23	26S	29E	598323	3543837 🦏	170		
C 02038		С	ED	3	2	4	26	26S	29E	599204	3541992* 🚱	200		
C 03507 POD1		С	ED	1	3	3	05	26S	29E	593064	3548313 🥎	140	78	62
C 03508 POD1		С	ED	1	3	3	05	26S	29E	593063	3548361 🖓	140	75	65

Average Depth to Water:

76 feet

Minimum Depth:

75 feet

Maximum Depth:

78 feet

Record Count: 4

PLSS Search:

Township: 26S

Range: 29E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

Sub

. . . .

basin Use Diversion Owner

(acre ft per annum)

DDAD DENNETT CO

County POD Number

Code Grant

Source 6416 4 Sec Tws Rng

X

Y 40242 ⊀0

WR File Nbr

C 03507

C STK

3 M. BRAD BENNETT

ED C 03507 POD1

Shallow 1 3 3 05 26S 29E

593063

3548313 🗳

Record Count: 1

POD Search:

POD Number: C 03507 POD1

Sorted by: File Number

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	POD Sub-											
The first of the second second that will be the second sec	作って アラス 年 本 きょうし	" " " " " " " " " " " " " " " " " " "	Santa Contract		1965 Sec. 00	· · · · · · · · · · · · · · · · · · ·	 +3 學覧之物的分 	X.	Y			Water Column
<u>C 01360</u>	С	ED	4	3	3 0	5 26S	30E	602997	3548152 🍣	770	173	597
<u>C 01361</u>		ED	3	4	3 0	5 26S	30E	603240	3548157 🧳	775	184	591
C 02165	С	ED			2	4 26S	30E	610036	3544121* 🦫	440	180	260
C 03483	С	ED	4	4	4 0	5 26S	30E	604296	3548251 🦣	700	200	500

Average Depth to Water: 184 feet

> Minimum Depth: 173 feet

Maximum Depth:

Record Count: 4

PLSS Search:

Township: 26S

Range: 30E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

Sub WR File Nbr basin Use Diversion Owner

(acre ft per annum)

Code Grant

Source 6416 4 Sec Tws Rng Shallow 4 3 3 05 26S 30E

3548152 🚱

C 01360

IND

0 EL PASO NATURAL GAS

County POD Number C 01360

Shallow 4 3 3 05 26S 30E

602996

3548152 🗐

C 03448 C 03449

PRO

0 DEVON ENERGY CORP. 0 OGX RESOURCES

C 01360

Shallow 4 3 3 05 26S 30E

Record Count: 3

POD Search:

POD Number: C 01360

Sorted by: File Number

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



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

County POD Number

Source 6416 4 Sec Tws Rng X Shallow 3 4 3 05 26S 30E

Record Count: 1

POD Search:

POD Number: C 01361

Sorted by: File Number

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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

C=the file is closed)

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

Source 6416 4 Sec Tws Rng

WR File Nbr C 02165

basin Use Diversion Owner

(acre ft per annum)

0 GRACE OIL

County POD Number ED C 02165

Code Grant

Shallow

24 26S 30E

610036 3544121* 🖓

Record Count: 1

POD Search:

POD Number: C 02165

Sorted by: File Number

*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.

8/4/13 5:32 PM



Active & Inactive Points of Diversion

(with Ownership Information)

		٠				and no longer serves this file,	(quarter	s are 1	-NW 2	=NE 3=SW 4=	SE)	
		(acre ft per	annum)		May 1 mg 1 mg	 C=the file is closed)	(quarter	s are sr	nallest	to largest) (N	IAD83 UTM	l in meters)
*	Sub	e i Santa						q q q		the second	* *	W
WR File Nbr	basii	n Use Diversio	on Owner	County	POD Number	 Code Grant	Source	6416 4	Sec	Tws Rng	X	Υ
C 03483			0 BUREAU OF LAND MANAGEMENT	ED	C 03483		Shallow	4 4 4	05	26S 30E	604296	3548251
C 03501	С	PRO	0 DEVON ENERGY CO.	ED	C 03483		Shallow	4 4 4	05	26S 30E	604296	3548251 🧓
C 03502	С	PRO	0 DEVON ENERGY CO	ED	C 03483		Shallow	4 4 4	05	26S 30E	604296	3548251 🦓
C 03503	С	PRO	0 DEVON ENERGY CO.	ED	C 03483		Shallow	4 4 4	05	26S 30E	604296	3548251 🥞

Record Count: 4

POD Search:

POD Number: C 03483

Sorted by: File Number

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.

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



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

water right file.) closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	POD Sub-		Q Q	Q					Depth	Depth	Wäter
POD Number Cod	<u>e basin</u>	County	64 16	3 4 Se	c Tws	Rng	X	Y	Well	Water	Column
C 01777	С	ED		80	26S	31E	613245	3547409* 🦫	325	300	. 25
C 02090		ED	4	4 01	26S	31E	620329	3548533* 🦆	350	335	15
C 02248		ED	1 2	3 08	26S	31E	612942	3547316* 🦆	300	292	8
C 02249		ED	1 2	3 08	26S	31E	612942	3547316* 🚱	300	292	8
C 03554 POD1	С	ED	2 1	4 01	26S	31E	620077	3549022 🦫	1000		

Average Depth to Water: 304 feet

Minimum Depth: 292 feet

Maximum Depth: 335 feet

Record Count: 5

PLSS Search:

Township: 26S Range: 31E



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(acre ft per annum)

WR File Nbr C 01777

basin Use Diversion Owner

3 BUCK JACKSON

County POD Number Code Grant Source 6416 4 Sec Tws Rng X Y

08 26S 31E

613245 3547409* 👫

Record Count: 1

POD Search:

POD Number: C 01777

Sorted by: File Number

*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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

qqq

WR File Nbr

C 02090

basin Use Diversion Owner

(acre ft per annum)

3 MALCOM R. MADERA

County POD Number ED C 02090

Source 6416 4 Sec Tws Rng

Record Count: 1

POD Search:

POD Number; C 02090

Sorted by: File Number

*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.

8/4/13 5:42 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr C 02248

basin Use Diversion Owner

3 BUCK JACKSON TRUST

County POD Number Code Grant

Source 6416 4 Sec Tws Rng

Record Count: 1

POD Search:

POD Number: C 02248

Sorted by: File Number

*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.



Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

County POD Number Code Grant

Source 6416 4 Sec Tws Rng

basin Use Diversion Owner

3 BUCK JACKSON TRUST

1 2 3 08 26S 31E

612942 3547316*

Record Count: 1

POD Search:

POD Number: C 02249

Sorted by: File Number

*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.

8/4/13 5:44 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

Bratcher, Mike, EMNRD

From:

Amy Ruth <aruth@diversifiedfsi.com>

Sent:

Tuesday, March 04, 2014 10:38 AM

To:

Bratcher, Mike, EMNRD

Subject:

2RP-1855 Backfill - CLOSURE

Attachments:

BOPCO PLU Big Sinks 14 25 30 USA #001H - Site Diagram w Sample Data.pdf; H301932

DIVERSIFIED.pdf; H302037 DIVERSIFIED sp1,2,4.pdf

Importance:

High.

Hey Mike,

We had our discussion about this site with you, and were given permission to backfill. Do we need to go to your office to also close it? I can get the report to you now (data being all the same), but wanted to know if we could, in this case, save us all a bit of time. I know that is something we all could do with right now! Please let me know and I'll get the bound report to you. I'll call you soon. As always, thank you for your help!

From: Amy Ruth

Sent: Thursday, October 17, 2013 9:22 AM **To:** Mike Bratcher (mike.bratcher@state.nm.us)

Cc: SJWalters@BassPet.Com; Michael Patterson; Stephen McGhee - Diversified Field Service, Inc.

(smcghee@diversifiedfsi.com); 'jamos@blm.gov'

Subject: 2RP-1855 Backfill

Hi Mike,

This email is in reference to our meeting with you on Friday morning 10/4/2013 for this BOPCO leak. In our discussion, we presented lab data with a plat of the site, along with a groundwater study of the area. At the conclusion of the meeting, it was decided that BOPCO has permission to backfill the excavation at PLU Big Sinks 14 25 30 USA #001H (2RP-1855). A closure report will be compiled and submitted after backfill of the site is completed. If you have any questions/concerns, please call me at the number below.

Thank you so much for your time and assistance!

Amy C. Ruth

Diversified Field Services, Inc. 315 S. Leech St. Hobbs, NM 88240 Office: (575)397-6437 Mobile: (575)390-5454

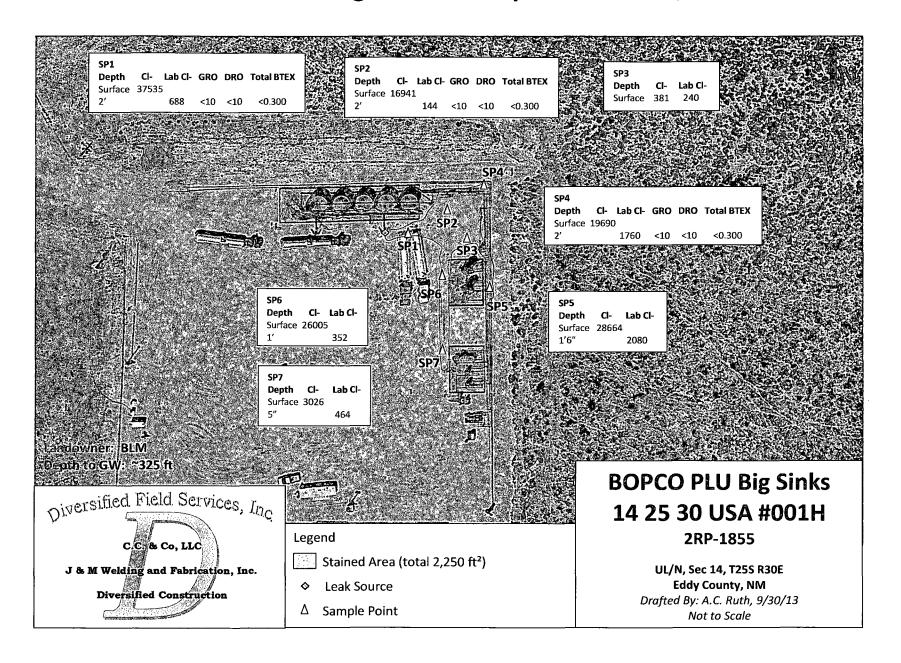
Mobile: (575)390-5454 Fax: (575)393-2981

"Nothing will work unless you do." -Maya Angelou

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate,

distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

Site Diagram with Sample Data





August 15, 2013

AMY RUTH

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



DIVERSIFIED FIELD SERVICES, INC.

AMY RUTH P. O. BOX 5966

HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/14/2013

Sampling Date:

08/06/2013

Reported:

08/15/2013

Sampling Type:

Soil

Project Name:

PLU BIG SINKS 14 25 30 USA #001H

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Celey D. Keene

Project Location:

MALAGA, NM

Sample ID: SP 3 @ SURFACE (H301932-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/15/2013	ND	400	100	400	0.00	
Sample ID: SP 7 @ 5" (H	301932-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/15/2013	ND	400	100	400	0.00	
Sample ID: SP 5 @ 1' 6"	(H301932-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	08/15/2013	ND	400	100	400	0.00	
Sample ID: SP 6 @ 1' (H3	301932-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/15/2013	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's liability and clients 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 negigence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competition 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 subcidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim's based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's flability 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 walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be flable for incidental or consequential damages, including, without limitation, business interruptions, sloss of use, or loss of or profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(5/5) 393-2326 FAX (5/5) 393			-,			_								· ·									<u></u>
Company Name	Diversitied Fie	ld Se	rl) ide	$_{\downarrow}$ I	nc.			L]/:	Tero					-	ANA	LYSI	S RE	QUE	ST			
Project Manage	" Amy Ruth		٠,		·)). #:	_	_														
Address: 315							Co	mpa	ny:	Z	H Ser	vices	1			1	1	1	1	1				
city: Hobb	State:	JM Zip:	8	85	40	ı	Att		loe	1	Long	DYIA	Į ,	- 1				-	1	· ·				
Phone #: 575	5-397-6437 Fax#:						Ad	dres	s:	45	515N2	tional	lark	st	ŧω	ų i		ļ					**	
Project #:		wner: ${\cal B}$					Cit	y:(ובי	1	s bad			45	+	P						•		
Project Name:	PLU Big Sinks 14 25	30 45	SA	#0	DI	4_	Sta	ite:/	NN	1	Zip: 88	OSS				.]			.				·	
Project Location	* 7 11 1						Ph	one	#: {	<u> </u>	15-23	4-202	8			1			.		1			
Sampler Name:	Anny Ruth	<u> </u>					Fa									i] .] .				
FOR LAB USE ONLY			ŀ		MATE	XIX	-	PRE	SER	<u> </u>	SAMPL	ING	ره ا		ľ				İ		·			
		(C)OMP	2	<u>ام</u> ا									13		1	1.					1			
Lab I.D.	Sample I.D.	OR (C	NET I	WAT ATE				ا نِنِ	اہ	Į	.·		Ĭ			'								٠.
	Sample I.D.	8 0	# CONTAINERS	GROUNDWATER		뜅	OTHER:	BAS	ICE / COOL	<u>~</u>			12				{				1			
H301931-		(G)RAB	2	MAS	SOIL	SLUDGE	HTC	ACID)	OTHER	DATE	TIME	Q				ŀ	İ				,		
01	SY3@surf	Ğ	*	<u> </u>	V	1	-			Ť	8-6-13	 	1					1	-					
01 02 03	5970 54	G	,		V				ν	K	5-8-13	10:25	V											
S	5P5@ 1'6"	6	9		V				1		<u>8-8-13</u>		V											
94	5P6@1'	6	1		V	.	Ц		4	_{_{1}}^{2}	8-12-13	9:04				 	1	ļ	<u> </u>			_		
	· · · · · · · · · · · · · · · · · · ·		4	\perp	1	-	\sqcup	$ \perp $	4	4		<u> </u>	ļ		ļ	ļ	4	 	<u> </u>	ļ				
			-	+	\vdash	+	Н	\vdash	\dashv	+			-		-}	-	-	<u> </u>	ļ		-			
			\dashv		-	+-	Н	$\vdash \dagger$	+	+			ļ —	٠.	 	 	╂		 	-	<u> </u>			
			+			1-	Н	H	+	1					 	┧	1			 				
			1		\Box	\top		H	+						1	1	1							
PLEASE NOTE: Liability an analyses. All claims including	nd Damages. Calcinats liability and client's exclusive rem ng those for negligence and any other cause whatsoever	edy for any claim a shall be deemed w	arising vaived	whether unless m	based in ade in w	contract	or tori	i, shall ved by	be limi Cardir	ted to val wit	the amount pa thin 30 days aft	id by the client to er completion of t	r the he applical	ble	-			•						
service. In no event shall C	ardinal be liable for incidental or consequental damages, ng out of or related to the performance of services hereu	including without li	imitatio	on, busine	ess interr	uptions,	loss of	use, o	aacl 1	of pro	fits incurred by	client, its subsidia	aries,											
Relinquished By	Date:	1-13 Rec	elve	ed By	. ,		, ,			/		Phone Re Fax Resul		□ Ye		No No	Add'i	Phone Fax #:	#:					
X Naud	Time:	10 30	in:	/	10	M	\h.	Ci l	1	<i> </i> -	. :	REMARK								-				
Relinquished B	DANG V	13 Rec	ejye	ed By	7		·	<i></i> /		1	<u>`</u>	ł			•									
1 Disal	Ochun Time: 1	70 /	1	V,	. //	10	1	1/	10															
Delivered By	: (Circle One)	7	4	San	p) C	ondit	ion	V	SHE	CK	D BY:			e i										
Sampler - UPS	- Bus - Other:	1 7	9	, co	ves [tact Tes	5	1	γ^{0}	niti	áls) (-					
L		-61/	<u></u>						42	/V	$\frac{\smile}{}$	L						-						
† Cardinal	cannot accept verbal changes. F	iease fax v	vritt	ten c		s to	57	i) 39	3-2:	326													•	
							•																	



August 29, 2013

AMY RUTH

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: PLU BIG SINKS 14 25 30 USA #001H

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred-certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



DIVERSIFIED FIELD SERVICES, INC. AMY RUTH P. O. BOX 5966 HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/23/2013

Sampling Date:

08/15/2013

Reported:

Sampling Type:

Soil

Project Name:

08/29/2013

Sampling Condition:

Cool & Intact

Project Number:

PLU BIG SINKS 14 25 30 USA #001H NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

MALAGA, NM

Sample ID: SP 1 @ 2' (H302037-01)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	< 0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	< 0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/29/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND					
Surrogate: 1-Chlorooctane	79.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.4 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celeg & Keens



DIVERSIFIED FIELD SERVICES, INC. AMY RUTH P. O. BOX 5966 HOBBS NM, 88241 Fax To: (575) 393-2981

Received:

08/23/2013

Sampling Date:

08/15/2013

Reported:

Sampling Type:

Soil

08/29/2013

Cool & Intact

Project Name:

PLU BIG SINKS 14 25 30 USA #001H

Sampling Condition:

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

MALAGA, NM

Sample ID: SP 2 @ 2' (H302037-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	< 0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	107 %	% 89.4-12	16						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/29/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND					
Surrogate: 1-Chlorooctane	86.3	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	88.2	% 63.6-15	i <i>4</i>						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Camages. 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 dams including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



DIVERSIFIED FIELD SERVICES, INC. AMY RUTH P. O. BOX 5966 HOBBS NM, 88241

Fax To:

(575) 393-2981

Received:

08/23/2013

Sampling Date:

08/15/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

PLU BIG SINKS 14 25 30 USA #001H

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

MALAGA, NM

Sample ID: SP 4 @ 2' (H302037-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	< 0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	< 0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	26						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	08/29/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
EXT DRO >C28-C35	<10.0	10.0	08/28/2013	ND					
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	10						-
Surrogate: 1-Chlorooctadecane	95.2	% 63.6-15	ī <i>4</i>						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any daim 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, within thirty control. Ilimitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keens

Celey D. Keene, Lab Director/Quality Manager



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

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, whose including, whose including and incidental cardinal be liable for incidental or consequential damages, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim's based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

+ 1 + 1 <u>+ 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1</u>	(575) 393-2326 FAX (575) 393-247			
Company Name	Diversified Field S	ervice, Inc	BILL TO	ANALYSIS REQUEST
Project Manage	" Amy Ruth		P.O. #:	
Address: 31	53 Leech		Company: ZH Service S	
city: Habba	State: NM	zip: 88240	Attn: Joel Londoria	
	397-6437 Fax#:		Address: 4515 National f	Perkithan
Project #:		r: BOPCO	city: Carlabad	
Project Name:	PLU Bia Sinks 14 75 30	USA #001 H	State: NM Zip: 88220	
Project Locatio	MALAGA NM		Phone #: 575-234-2028	
Sampler Name:	Hmy Ruth		Fax #:	1 5 1
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	1
		(C)OMP. ERS ATER IER		
	Commis I D	VER.	ú J	
Lab I.D.	Sample I.D.	ATAIN JNDW	BBAS:	1
H302037	:	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACIDIBASE: ICE / COOL OTHER: OTHER:	
130001	SPI @ Z'		8-15-13 1500	
2	SPZ @ Z'	A	1 8-15-13 1515	
3	SP4 60 Z'	GIV	1 8-15-13 1600	
! !				
	<u> </u>	╂╂╂┼┼┼		
-				
	nd Damages. Cardinal's liability and client's exclusive remedy for			
analyses. All claims includi service. In no event shall C	ng those for negligence and any other cause whatsoever shall be ardinal be liable for Incidental onconsequental damages, including	deemed walved unless made in writing g without limitation, business interruption) and received by Cardinal within 30 days after completion of th ons, loss of use, or loss of profits incurred by client, its subsidiar	r the applicable

	affillates of successors arising quant or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.			
	Relinquished By	Date:	Received By:	Phone Result: Yes No Add'l Phone #:
		8-23-13	$\Lambda \circ \circ \circ \Lambda $	Fax Result:
/		Time:	/ W/ Cha AlloM/ 1094	REMARKS:
	1 / June Comment	1515	Chiles Great	l -/
	Relinquished By:	Date:	Received By:	emzi/
٠.				
)	Time:	e ·	1 AT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	_			SJWalterga Basstet.Com
1	Delivered By: (Circle One)		Sample Condition CHECKER BY:	
			Cool Intact (Mittals)	arutha diversitied si com
	Sampler - UPS - Bus - Other:	. 1	So Tyres Tyres No No No	and with a diversitied the com
	2	1.	OO No No O	
		·		