

## Bratcher, Mike, EMNRD

---

**From:** Burton, Michael <mburton@blm.gov>  
**Sent:** Thursday, January 16, 2014 7:06 AM  
**To:** Amy Ruth  
**Cc:** Bratcher, Mike, EMNRD  
**Subject:** Re: Linn Energy Turner B #7 - BLM Event #11NU108TG

Amy,  
Your plan is approved. As for the C-141, we never received one.

**Mike Burton**  
**BLM-CFO**  
**Environmental Protection Specialist**  
**575-234-2226 office**  
**575-361-3574 cell**  
**[mburton@blm.gov](mailto:mburton@blm.gov)**

CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

On Wed, Jan 15, 2014 at 4:54 PM, Amy Ruth <[aruth@diversifiedfsi.com](mailto:aruth@diversifiedfsi.com)> wrote:

Thanks a bunch, Mike! I'll get on it and create a form C-141...

---

**From:** Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]  
**Sent:** Wednesday, January 15, 2014 4:26 PM

**To:** Amy Ruth  
**Cc:** Wall, Fred; Michael Patterson; Burton, Michael  
**Subject:** RE: Linn Energy Turner B #7 - BLM Event #11NU108TG

And, more importantly, OCD concurs with BLM approval of this remediation proposal.

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Wednesday, January 15, 2014 4:24 PM  
**To:** 'Amy Ruth'  
**Cc:** Wall, Fred; Michael Patterson; Burton, Michael  
**Subject:** RE: Linn Energy Turner B #7 - BLM Event #11NU108TG

Amy,

I don't have any record of having received a C-141 for this one. Terry Gregston used to copy me when she sent out the release diagram maps, but I don't have record of having received that either. If Linn doesn't have a C-141 for it, I suppose one could be created or Mr. Burton may have one in their files. ? – Mike

---

**From:** Amy Ruth [<mailto:aruth@diversifiedfsi.com>]  
**Sent:** Wednesday, January 15, 2014 1:20 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Wall, Fred; Michael Patterson; Burton, Michael  
**Subject:** Linn Energy Turner B #7 - BLM Event #11NU108TG

Hi Mike,

A BLM report was filed on this leak though we have not been able to locate a form C-141. A line was hit during the removal of a stockpile that was sitting on the surface at the northwest corner of a new well pad and 10 bbls produced water were reported released, affecting a small area of pasture (2 bbls were recovered).

I have attached a site diagram with sample data, photos, a groundwater search, the BLM's undesirable event report for your reference, and lab reports for your reference.

The area surrounding SP1 was more heavily affected than the rest and we found that chloride dropped at 10 feet. SP2 chloride dropped at 2 feet. Groundwater in the area is 236+ if it's there at all. We propose to excavate the area of SP1 to 4 ft and install a liner, excavate the area of SP2 to 2 ft, backfill the excavation with clean topsoil, and contour the site.

Please review at your convenience and call me with any questions/concerns. Thank you!

*(Mike Burton BLM has approved this proposal as written)*

Respectfully,

*Amy C. Ruth*

Environmental Director

Diversified Field Services, Inc.

3412 N. Dal Paso

Hobbs, NM 88240

Office: (575)964-8394

Mobile: (575)390-5454

Fax: (575)964-8396

*"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.

## Bratcher, Mike, EMNRD

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Wednesday, January 15, 2014 4:26 PM  
**To:** 'Amy Ruth'  
**Cc:** 'Wall, Fred'; 'Michael Patterson'; 'Burton, Michael'  
**Subject:** RE: Linn Energy Turner B #7 - BLM Event #11NU108TG

And, more importantly, OCD concurs with BLM approval of this remediation proposal.

Mike Bratcher  
NMOCD District 2  
811 S. First Street  
Artesia, NM 88210  
O: 575-748-1283 X108  
C: 575-626-0857  
F: 575-748-9720

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Wednesday, January 15, 2014 4:24 PM  
**To:** 'Amy Ruth'  
**Cc:** Wall, Fred; Michael Patterson; Burton, Michael  
**Subject:** RE: Linn Energy Turner B #7 - BLM Event #11NU108TG

Amy,

I don't have any record of having received a C-141 for this one. Terry Gregston used to copy me when she sent out the release diagram maps, but I don't have record of having received that either. If Linn doesn't have a C-141 for it, I suppose one could be created or Mr. Burton may have one in their files. ? – Mike

---

**From:** Amy Ruth [<mailto:aruth@diversifiedfsi.com>]  
**Sent:** Wednesday, January 15, 2014 1:20 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Wall, Fred; Michael Patterson; Burton, Michael  
**Subject:** Linn Energy Turner B #7 - BLM Event #11NU108TG

Hi Mike,

*A BLM report was filed on this leak though we have not been able to locate a form C-141. A line was hit during the removal of a stockpile that was sitting on the surface at the northwest corner of a new well pad and 10 bbls produced water were reported released, affecting a small area of pasture (2 bbls were recovered).*

I have attached a site diagram with sample data, photos, a groundwater search, the BLM's undesirable event report for your reference, and lab reports for your reference.

The area surrounding SP1 was more heavily affected than the rest and we found that chloride dropped at 10 feet. SP2 chloride dropped at 2 feet. Groundwater in the area is 236+ if it's there at all. We propose to excavate the area of SP1 to 4 ft and install a liner, excavate the area of SP2 to 2 ft, backfill the excavation with clean topsoil, and contour the site.

Please review at your convenience and call me with any questions/concerns. Thank you!  
(Mike Burton BLM has approved this proposal as written)

Respectfully,

*Amy C. Ruth*

Environmental Director  
Diversified Field Services, Inc.  
3412 N. Dal Paso  
Hobbs, NM 88240  
Office: (575)964-8394  
Mobile: (575)390-5454  
Fax: (575)964-8396

*"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.

## Bratcher, Mike, EMNRD

---

**From:** Amy Ruth <aruth@diversifiedfsi.com>  
**Sent:** Wednesday, January 15, 2014 1:20 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Wall, Fred; Michael Patterson; Burton, Michael  
**Subject:** Linn Energy Turner B #7 - BLM Event #11NU108TG  
**Attachments:** Linn Energy Turner B #7 - Site Diagram w Sample Data.pdf; Linn Energy Turner B #7 Photo Page.pdf; Linn Energy Turner B #7 Groundwater Search.pdf; BLM Information 11NU108TG.pdf; H302656 LINN.pdf; H302739 LINN.pdf

Hi Mike,

*A BLM report was filed on this leak though we have not been able to locate a form C-141. A line was hit during the removal of a stockpile that was sitting on the surface at the northwest corner of a new well pad and 10 bbls produced water were reported released, affecting a small area of pasture (2 bbls were recovered).*

I have attached a site diagram with sample data, photos, a groundwater search, the BLM's undesirable event report for your reference, and lab reports for your reference.

The area surrounding SP1 was more heavily affected than the rest and we found that chloride dropped at 10 feet. SP2 chloride dropped at 2 feet. Groundwater in the area is 236+ if it's there at all. We propose to excavate the area of SP1 to 4 ft and install a liner, excavate the area of SP2 to 2 ft, backfill the excavation with clean topsoil, and contour the site.

Please review at your convenience and call me with any questions/concerns. Thank you!  
(Mike Burton BLM has approved this proposal as written)

Respectfully,

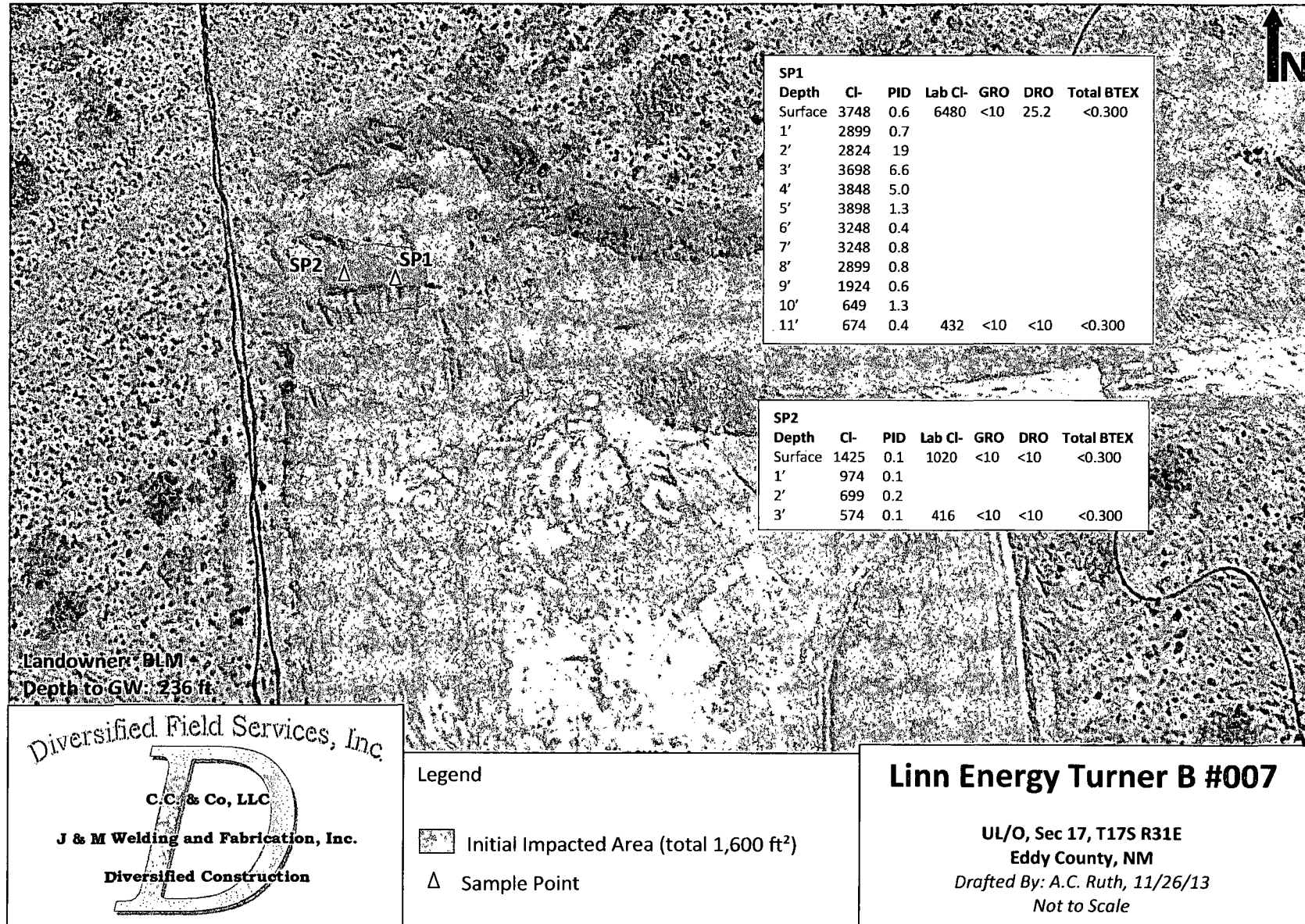
*Amy C. Ruth*

Environmental Director  
Diversified Field Services, Inc.  
3412 N. Dal Paso  
Hobbs, NM 88240  
Office: (575)964-8394  
Mobile: (575)390-5454  
Fax: (575)964-8396

*"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.

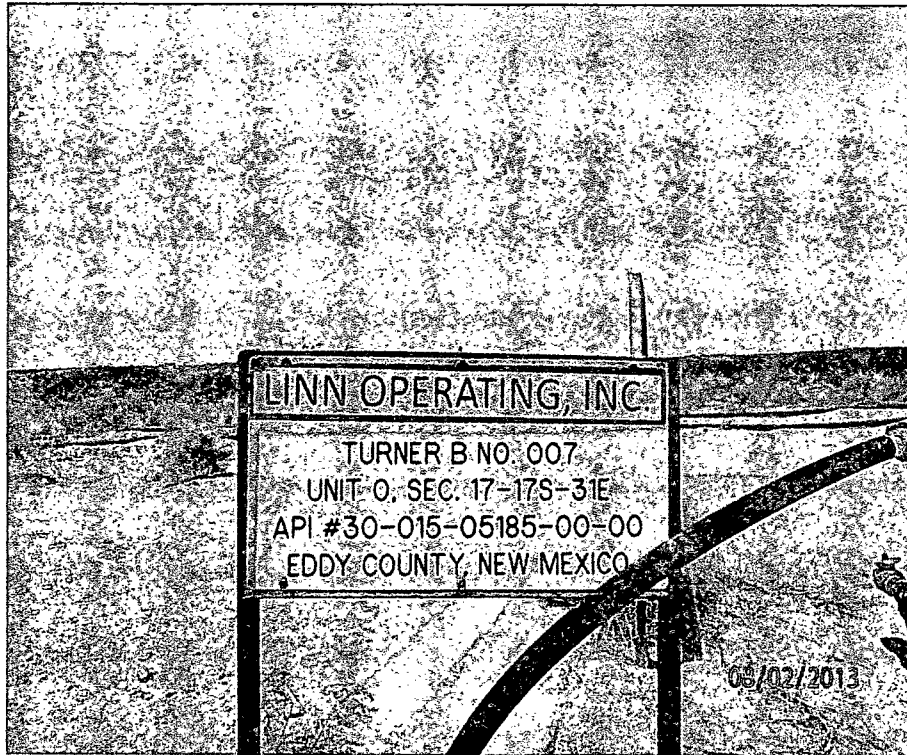
# Site Diagram with Sample Data



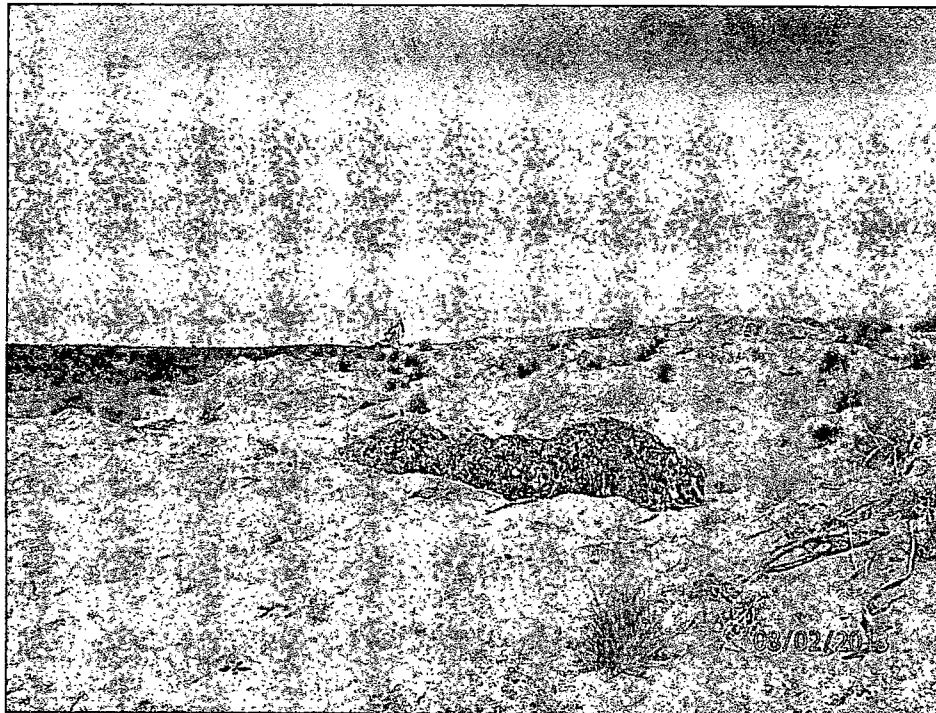


# Linn Energy Turner B #07

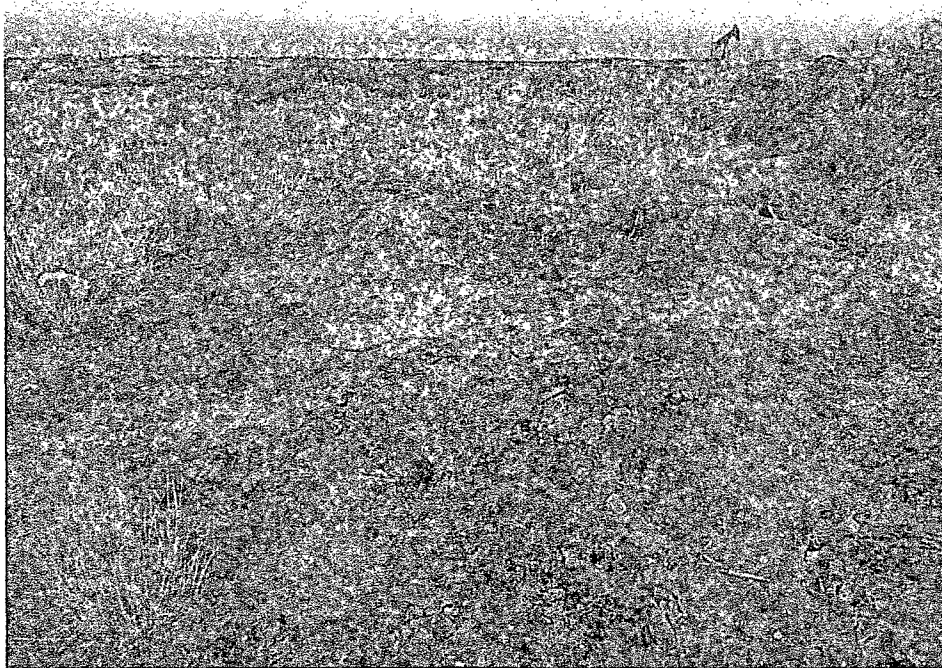
Unit Letter O, Section 17, T17S R31E



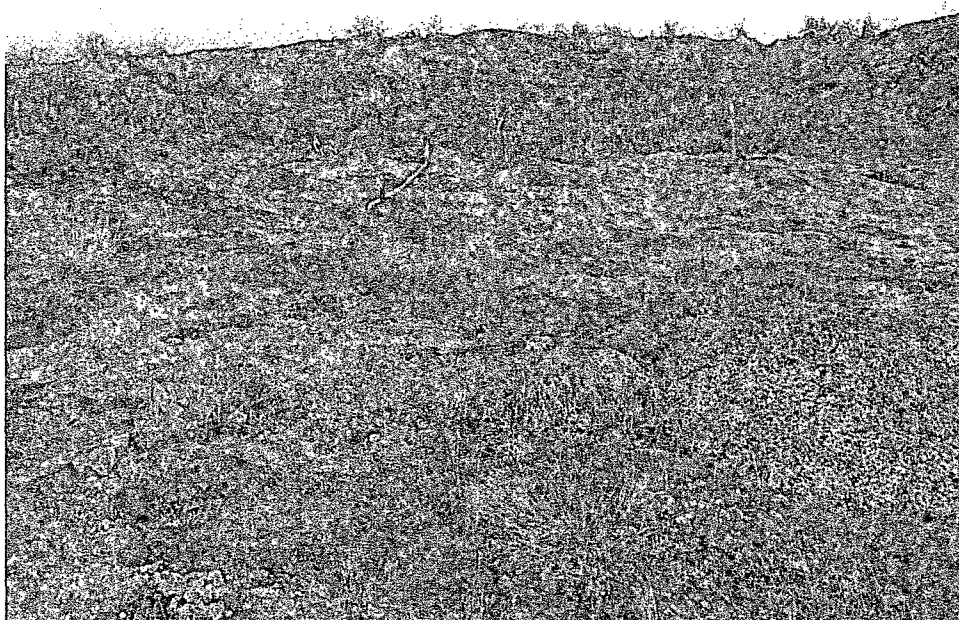
Sign marking location 8/02/13



Spill location NW of lease road 08/02/13



Sample point      9/6/12



Markers indicating sample points of stockpiled soil 9/6/12

# GROUND WATER SEARCH

Linn Energy Turner B #7

UL: 0

Sec: 17

T: 17S

R: 31E

Groundwater Depth: 236 ft. averaged

⊙ = NM Office of the State Engineer

● = U.S. Geological Survey (unknown well)

✕ = Site Location

Date: 12/18/13

By: Amy Ruth

	16S 30E	288' ⊙ 314' ⊙ 16S 31E ⊙ 295'	65' 260' ⊙ 248' ⊙ 275' ⊙ 254' ⊙ 16S 32E ⊙ 215' 210' ⊙ 210' ⊙ 221' ⊙ 200' ⊙	
	17S 30E	✕ 17S 31E	132' ⊙ 17S 32E	
	18S 30E 44' ⊙	98' ⊙ 18S 31E	65' ⊙ 430' ⊙ 18S 32E 460' ⊙	



---

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

---

No records found.

PLSS Search:

Township: 16S      Range: 30E

---

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.

---

4/29/13 12:38 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



## 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	POD		Q Q Q							X	Y	Depth Well	Depth Water	Water Column
	Sub- Code	basin	County	64	16	4	Sec	Tws	Rng					
<u>L 03435</u>	L	LE		1	1	05	16S	31E		602954	3646955*			
<u>L 03852</u>	R	L	LE	2	2	2	14	16S	31E	609126	3643913*	370	314	56
<u>L 03852 POD4</u>	L	LE		3	4	3	13	16S	31E	609744	3642516*	333	299	34
<u>L 03852 POD5</u>	L	LE		3	2	13	16S	31E		610238	3643427*	328	295	33
<u>L 03852 X</u>	R	L	LE	4	4	4	13	16S	31E	610749	3642526*	333	299	34
<u>L 03852 X2</u>	L	LE		3	2	2	13	16S	31E	610535	3643733*	330	287	43
<u>L 04671</u>	L	LE		1	1	2	12	16S	31E	610114	3645538*	340	288	52
<u>L 10203</u>	L	LE		4	4	3	14	16S	31E	608334	3642495*	310		
<u>L 10206</u>	L	LE		2	2	23	16S	31E		609045	3642204*	280		

Average Depth to Water: 297 feet

Minimum Depth: 287 feet

Maximum Depth: 314 feet

Record Count: 9

PLSS Search:

Township: 16S Range: 31E

\*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.

4/29/13 12:38 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## 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)									
</																			

(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)

**Record Count:** 1

**POD Search:**

POD Number: L 03435

**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

## Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft. per annum)						(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	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
<u>L 03852</u>	L	MUN		375	CITY OF CARLSBAD	LE	<u>L 03852</u>	R		Shallow	2	2	2	14	16S	31E	609126	3643913
						LE	<u>L 03852</u> POD4			Shallow	3	4	3	13	16S	31E	609744	3642516
						LE	<u>L 03852</u> POD5	R		Shallow	3	2		13	16S	31E	610238	3643427
						LE	<u>L 03852</u> POD6				3	2		13	16S	31E	610390	3643476
						LE	<u>L 03852</u> X	R		Shallow	4	4	4	13	16S	31E	610749	3642526
						LE	<u>L 03852</u> X2			Shallow	3	2	2	13	16S	31E	610535	3643733

**Record Count:** 6

**POD Search:**

POD Number: L 03852

**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.

12/18/13 2:31 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q	Sec	Tws	Rng	X	Y
L 04671	L	PRO		0 JOHN H. TRIGG	LE	L 04671			Shallow	1 1 2	12	16S	31E	610114	3645538*

(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)

Record Count: 1

### POD Search:

POD Number: L 04671

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.

12/18/13 2:32 PM





## 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)

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

(In feet)

POD Number	POD Sub-		Q Q Q				Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Code	basin	County	64	16	4								
<u>L 02381</u>	L	LE		3	1	13	16S	32E		619086	3643515*	308	215	93
<u>L 02434</u>	L	LE				01	16S	32E		619661	3646531*	337		
<u>L 02449</u>	L	LE				01	16S	32E		619661	3646531*	330	265	65
<u>L 02617</u>	L	LE		4	4	02	16S	32E		618656	3645924*	322	270	52
<u>L 02752</u>	L	LE		1	3	26	16S	32E		617521	3639880*	324	280	44
<u>L 02846</u>	L	LE		4	2	11	16S	32E		617956	3645413*	328	275	53
<u>L 02954</u>	L	LE		2	4	03	16S	32E		617043	3646310*	120	65	55
<u>L 02993</u>	L	LE		3	3	2	16S	32E		616572	3643391*	100		
<u>L 03631</u>	L	LE		1	2	02	16S	32E		618240	3647126*	315	250	65
<u>L 04930</u>	L	LE				1	23	16S	32E	617698	3642092*	307	210	97
<u>L 05494</u>	L	LE				36	16S	32E		619758	3638489*	303	200	103
<u>L 06557</u>	L	LE		1	4	21	16S	32E		615089	3641466*	295	210	85
<u>L 06807</u>	L	LE		1	4	09	16S	32E		615356	3644383*	290	248	42
<u>L 07823</u>	L	LE		2	2	2	16S	32E		615561	3643981*	269	247	22
<u>L 08084</u>	L	LE		1	1	1	16S	32E		614157	3643970*	317	260	57
<u>L 08084 POD4</u>	L	LE				2	26	16S	32E	618522	3640492*	303	233	70
<u>L 08084 POD5</u>	L	LE		4	1	4	26	16S	32E	618425	3639788*	296	165	131
<u>L 08084 S3</u>	L	LE				2	26	16S	32E	618522	3640492*	305	205	100
<u>L 08241</u>	L	LE		4	4	02	16S	32E		618656	3645924*	316		
<u>L 10204</u>	L	LE		4	2	2	04	16S	32E	615524	3646993*	319		
<u>L 10205</u>	L	LE				4	1	08	16S	613038	3645066*	330		
<u>L 11189</u>	L	LE		1	1	4	04	16S	32E	614932	3646391*	350		

\*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

4/29/13 12:39 PM

Page 1 of 2

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



(acre ft per annum)

### ACTIVE & INACTIVE POINTS OF DIVERSIO



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(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	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q	Sec	Tws	Rng	X	Y
L 02449	L	PRO		0 PLYMOUTH OIL COMPANY	LE	L 02449		Shallow	6416 4	01	16S	32E	619661	3646531*

Record Count: 1

POD Search:

POD Number: L 02449

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.

12/18/13 2:34 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## 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	Sub basin Use Diversion Owner	County POD Number	Code Grant	Source	6416 4	Sec	Tws	Rng	X	Y
L 02617	L PRO 0 GULF OIL CORPORATION	LE L 02617		Shallow	4	4	02	16S 32E	618656	3645924

**Record Count:** 1

**POD Search:**

POD Number: L 02617

**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.

12/18/13 2:34 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSI



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)												
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q	Sec	Tws	Rng	X Y
L 02752	L	DOL	3	W W WILLIAMS	LE	L 02752			Shallow	6416 4	1	3	26 16S 32E	617521 3639880*

(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)

**Record Count:** 1

**POD Search:**

POD Number: L 02752

**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

## Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin Use Diversion Owner	County	POD Number	Code Grant	Source	6416 4	Sec	Tws	Rng	X	Y		
L 02846	L PRO 0 CONTINENTAL OIL COMPANY	LE	L 02846		Shallow	4	2	1	11	16S	32E	617956	3645413

(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)

**Record Count:** 1

**POD Search:**

POD Number: L 02846

**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.

12/18/13 2:35 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)																	
WR File Nbr		Sub basin Use Diversion		Owner		County		POD Number		Code Grant		Source		6416 4		Sec Tws Rng		X Y	
L 02954		L PRO		0 SCHOENFELD-HUNTER-KITCH DRG		LE		L 02954				Shallow		2 4 03		16S 32E		617043 3646310*	
				CO															

(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)

**Record Count:** 1

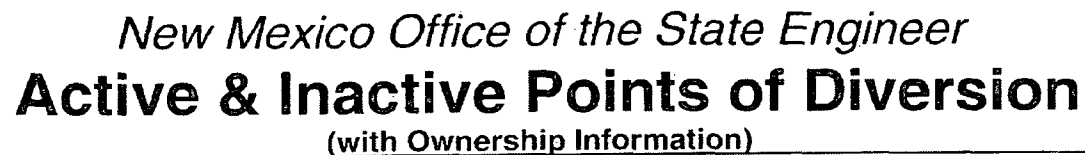
**POD Search:**

POD Number: L 02954

**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.



(acre ft per annum)

## ACTIVE & INACTIVE POINTS OF DIVERSITY





# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)										(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)									
										q q q									
WR File Nbr		Sub	Use	Diversion	Owner	County		POD Number	Code	Grant	Source	6416 4	Sec	Tws	Rng	X	Y		
L 04930		L	STK		3 JULIA WILLIAMS	LE		L 04930			Shallow	1	23	16S	32E	617698	3642092'		

(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)

**Record Count:** 1

**POD Search:**

POD Number: L 04930

**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

## Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q	Sec	Tws	Rng	X	Y
L 06557	L	STK	3	TAYLOR CATTLE COMPANY	LE	L 06557		Shallow	1	4	21	16S 32E	615089	3641466*

(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)

**Record Count:** 1

**POD Search:**

POD Number: L 06557

**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.

12/18/13 2:37 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## 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	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y	
<u>L 08084</u>	L	COM	750	MOR-WEST CORPORATION	LE	<u>L 08084</u>			Shallow	1	1	1	16	16S	32E	614157	3643970*
					LE	<u>L 08084</u> POD4			Shallow			2	26	16S	32E	618522	3640492*
					LE	<u>L 08084</u> POD5			Shallow	4	1	4	26	16S	32E	618425	3639788*
					LE	<u>L 08084</u> S		R	Shallow	2	1	1	36	16S	32E	619239	3639192*
					LE	<u>L 08084</u> S2		R	Shallow	3	1	1	36	16S	32E	619039	3638992*
					LE	<u>L 08084</u> S3			Shallow			2	26	16S	32E	618522	3640492*

(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)

**Record Count:** 6

**POD Search:**

POD Number: L 08084

**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.

12/18/13 2:39 PM

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  
water right file.)

(R=POD has  
been replaced,

O=orphaned,

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

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

(In feet)

POD Number	POD Sub-	Code	basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 11590 POD1		ED			2	1	3	32	17S	31E	603315	3628545	158		
RA 11590 POD3		ED			3	1	2	32	17S	31E	603932	3629260	60		
RA 11590 POD4		ED			4	1	1	32	17S	31E	603308	3629253	55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 3

PLSS Search:

Township 17S

Range, 31E

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	POD	Sub-	basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04019		L	LE		4	3	4	02	17S	32E	618468	3636166*	182		
L 04020		L	LE		3	3	4	02	17S	32E	618268	3636166*	200		
L 04021	R	L	LE		3	4	4	02	17S	32E	618670	3636170*	190		
L 04021 POD3		L	LE			3	4	03	17S	32E	616761	3636252*	247		
L 04021 S		L	LE		2	4	4	03	17S	32E	617262	3636354*	260		
L 13047 POD1		L	LE					11	17S	32E	618187	3635254*	140		
L 13050 POD1		L	LE		2	2	1	10	17S	32E	616463	3635945*	156	132	24
RA 08855			LE		4	1	1	10	17S	32E	616061	3635742*	158		
RA 09505			LE		2	2	1	10	17S	32E	616462	3635944	147		
RA 09505 S			LE		2	2	1	10	17S	32E	616463	3635945*	144		
RA 10175			LE			2	1	28	17S	32E	614814	3631005*	158		
RA 11684 POD1			LE		1	1	4	11	17S	32E	618216	3635124	275		
RA 11684 POD2			LE		1	1	4	11	17S	32E	618313	3635248	275		
RA 11684 POD3			LE		3	3	1	11	17S	32E	618262	3635371	275		
RA 11684 POD4			LE		1	3	2	11	17S	32E	618334	3635521	275		
RA 11684 POD5			LE		3	1	4	11	17S	32E	618353	3635047	275		
RA 11734 POD1			LE		2	2	1	10	17S	32E	616556	3635929	165		

Average Depth to Water: 132 feet

Minimum Depth: 132 feet

Maximum Depth: 132 feet

Record Count: 17

PLSS Search:

Township: 17S Range: 32E

\*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.

4/29/13 12:32 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# *New Mexico Office of the State Engineer*

## **Active & Inactive Points of Diversion**

(with Ownership Information)

---

No PODs found.

**POD Search:**

POD Number: L 13050 1

---

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.

---

12/18/13 2:43 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSK



## 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)  
closed) (quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00818		LE		1	4	26	18S	30E		599289	3620364*	240		
CP 00819		LE		2	4	32	18S	30E		594878	3618720*	150		
L 01978	L	LE		1	3	23	18S	30E		598469	3621964*	65	44	21

Average Depth to Water: 44 feet

Minimum Depth: 44 feet

Maximum Depth: 44 feet

Record Count: 3

PLSS Search:

Township 18S Range 30E

\*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.

4/29/13 12:41 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## 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	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q
L 01978	L	DOM	3	L A JOHNSON	LE	L 01978			Shallow	6416 4
										Sec Tws Rng
										X Y
										598469 3621964*

**Record Count:** 1

**POD Search:**

POD Number: L 01978

**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)

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

POD Number	POD Sub-Code	basin	County	Q Q Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 11092	L	LE		2 3	15	18S	31E	606849	3623669*	160	98	62

Average Depth to Water: 98 feet

Minimum Depth: 98 feet

Maximum Depth: 98 feet

Record Count: 1

PLSS Search:

Township: 18S Range: 31E

\*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

## Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)															
WR File Nbr		Sub basin Use		Diversion Owner		County		POD Number		Code Grant		Source		6416 4		Sec Tws Rng	
L 11092		L DOM		3 NEW HOPE BAPTIST		LE		L 11092				Shallow		2 3 15		18S 31E	
																606849	
																3623669	

(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)

**Record Count:** 1

**POD Search:**

POD Number: L 11092

**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) (In feet)

POD Number	POD Sub- Code basin	County	Q Q Q			Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
			64	16	4								
CP 00566		LE	4	4	1	04	18S	32E	614960	3627280*	133	65	68
CP 00672		LE		4	4	07	18S	32E	612475	3624947*	524	430	94
CP 00672 CLW475398	O	LE		4	4	07	18S	32E	612475	3624947*	540	460	80
CP 00677		LE		1	1	26	18S	32E	617750	3621373*	700		

Average Depth to Water: 318 feet

Minimum Depth: 65 feet

Maximum Depth: 460 feet

Record Count: 4

PLSS Search:

Township: 18S Range: 32E

\*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.

4/29/13 12:43 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q	Sec	Tws	Rng	X	Y		
CP 00566		DOM		3 B.E. FRIZZELL	LE	CP 00566		Shallow	4	4	1	04	18S	32E	614960	3627280*

(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)

**Record Count:** 1

**POD Search:**

POD Number: CP 00566

**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.

12/18/13 2:45 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)																
WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416	4	Sec	Tws	Rng	X	Y	
CP 00672		STK			3 VIRGIL LINAM ESTATE	LE	CP 00672			Shallow	4	4	07	18S	32E	612475	3624947*	

(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)

q q q

**Record Count:** 1

**POD Search:**

POD Number: CP 00672

**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.

12/18/13 2:46 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



---

*New Mexico Office of the State Engineer*  
**Active & Inactive Points of Diversion**  
(with Ownership Information)

---

No PODs found..

**POD Search:**

POD Number: CP 00672 CLW475398

---

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.

12/18/13 2:46 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



# New Mexico Office of the State Engineer

## Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

Sub  
basin Use Diversion Owner

WR File Nbr  
CP 00677

County POD Number  
LE CP 00677

Code Grant

(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)

q q q

Source 6416 4 Sec Tws Rng X Y

1 1 26 18S 32E 617750 3621373

Record Count: 1

POD Search:

POD Number: CP 00677

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.

12/18/13 2:47 PM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION

**UNITED STATES DEPARTMENT OF THE INTERIOR**  
**Bureau of Land Management**  
**UNDESIRABLE EVENT INSPECTION FORM**

Unique Event Number: <b>11NU108TG</b>		Date of Event: <b>08/01/2011</b>		Date Reported: <b>08/01/2011</b>	
State: <b>NM</b>	Office Code: <b>CB</b>		County: <b>EDDY</b>		
1/4 1/4: <b>SWSE</b>	Section: <b>17</b>	Township: <b>17S</b>		Range: <b>31E</b>	
Reference Point (Remarks):					
Case Number: <b>NMLC029395B</b>					
Operator Name: <b>LINN OPERATING INCORPORATED</b>			SME: <b>BUREAU OF LAND MANAGEMENT</b>		
Type of Event: <b>SALTWATER SPILL</b>					
Volumes -	Discharged Oil:	Gas:	Water: <b>10</b>	Other:	
	Recovered Oil:	Gas: <b>N/A</b>	Water: <b>2</b>	Other:	
INSPECTION OPEN DATE: <b>08/01/2011</b>			INSPECTION CLOSE DATE: <b>08/11/2011</b>		
INSPECTOR: <b>GREGSTON</b>			COMPANY REPRESENTATIVE: <b>DENNIS POTTER</b>		
TIMES - OFFICE: <b>2.00</b>	TRAVEL: <b>1.00</b>		INSPECTION: <b>0.50</b>		
EVENT CLASSIFICATION: <b>MINOR</b>					
Well or Facility ID: <b>300150518500S1</b>	Name: <b>TURNER B</b>		Number: <b>7</b>		
CAUSE OF EVENT (REMARKS): 08/01/11--during construction of the Apache, Lee Federal 42 well pad, the construction crew hit a buried fiberglass flowline for the Turner B #7 well. Construction crew had conducted a required 811 call; Linn Operating had cleared all their lines in the area but had failed to flag the active flowline from the Turner B 7. As a result, Linn Operating is taking responsibility for the spill and spill cleanup. TG.					
ACTION TO CONTROL (REMARKS): 08/01/11--well shut in.					
GENERAL (REMARKS):					
ACTION TAKEN TO PREVENT (REMARKS):					
DAMAGE DESCRIPTION (REMARKS): 08/01/11--0.03 acres of stockpiled topsoil contaminated.					
EXTENT OF PERSONAL INJURY (REMARKS):					
INSPECTION REMARKS: 08/01/11--received notification of spill on this location from Dennis Potter, Linn Energy. During construction of Apache drilling pad for the Lee Federal 42, the construction crew dug into a Linn Operating buried fiberglass flowline off the northwest corner of the well pad. Line was in the west portion of the topsoil stock pile. An appropriate 811 call had been placed prior to building the pad (Hungry Horse contractor) and Linn had cleared all lines within the staked pad area, but had not cleared lines outside of that area. Line hit is just outside of staked well pad area. As a result, Linn Operating is taking the responsibility for the spill cleanup of this spill. No archeology issues due to clearance required for new pad. 08/03/11--onsite to assess spill. Pad is built. Spill is in the middle of the topsoil stockpile on western side. Whoever excavated the line, picked up the spill slop and dumped up on the topsoil stockpile above the spill, thereby contaminating a great deal of viable topsoil. Line has been repaired. GPS'd spill perimeter; perimeter includes contaminated portion of topsoil stockpile. Need to speak to Potter about more careful placement of contaminated materials. TG. 08/11/11--well currently in drilling status. Linn will probably delay spill remediation until drilling rig moved off location. Called Potter to see which Linn Operating well he wanted to tie this spill to; he said the Turner B #7. Undesirable Event number 11NU108TG. TG.					



**UNITED STATES DEPARTMENT OF THE INTERIOR**  
**Bureau of Land Management**  
**UNDESIRABLE EVENT INSPECTION FORM**

---

SUMMARY OF RESULTS OF RECLAMATION/CORRECTIVE ACTION:

---

---

FOLLOW-UP REQUIREMENTS: (Circle any that apply)

NONE	VERBAL	LETTER	INC	NOTIFY P.E.T.	OTHER:
------	--------	--------	-----	---------------	--------

---

TURNER B #007

017

LEE FEDERAL #036

TURNER B #032

TURNER B #132

020

Updated 2/25/99

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SURFACE INSPECTION FORM

Well Name: TURNER B			Well #: 7		API #: 300150518500S1		Well Status: WIW	
Footage: 660FSL 1980FEL		Alliquot: SWSE	Lot/Tract:	Section: 17	Twship/Lat: 17S	Rng/Long: 31E	County: EDDY	State: NM
Case: NMLC029395B		Facility ID:			Associated Rights of Way:			
Lease: NMLC029395B		H2S Date:		H2S Gas Stream:		H2S Vapors:		H2S Radius:
Hazard: Yes: HIGH H2S, 13945 PPM								
SME: BUREAU OF LAND MANAGEMENT			Operator Name: LINN OPERATING INCORPORATED					
Please be sure to complete for inspection								
Inspector:			Company/SME Rep:				Phone #:	
Date:	Type:	Activity:		Office:	Travel:		Insp:	

## General Remarks:

08/01/11--received notification of spill on this location from Dennis Potter, Linn Energy. During construction of Apache drilling pad for the Lee Federal 42, the construction crew dug into a Linn Operating buried fiberglass flowline off the northwest corner of the well pad. Line was in the west portion of the topsoil stock pile. An appropriate 811 call had been placed prior to building the pad (Hungry Horse contractor) and Linn had cleared all lines within the staked pad area, but had not cleared lines outside of that area. Line hit is just outside of staked well pad area. As a result, Linn Operating is taking the responsibility for the spill cleanup of this spill. No archeology issues due to clearance required for new pad. 08/03/11--onsite to assess spill. Pad is built. Spill is in the middle of the topsoil stockpile on western side. Whoever excavated the line, picked up the spill slop and dumped up on the topsoil stockpile above the spill, thereby contaminating a great deal of viable topsoil. Line has been repaired. GPS'd spill perimeter; perimeter includes contaminated portion of topsoil stockpile. Need to speak to Potter about more careful placement of contaminated materials. TG. 08/11/11--well currently in drilling status. Linn will probably delay spill remediation until drilling rig moved off location. Called Potter to see which Linn Operating well he wanted to tie this spill to; he said the Turner B #7. Undesirable Event number 11NU108TG. TG.

Author: TERRY GREGSTON

Date: 08/11/2011

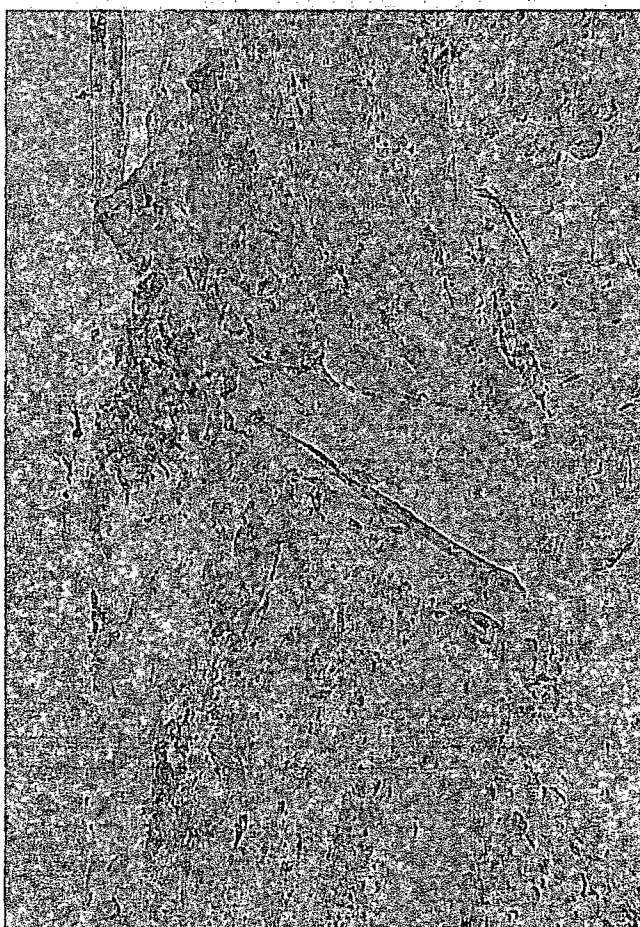
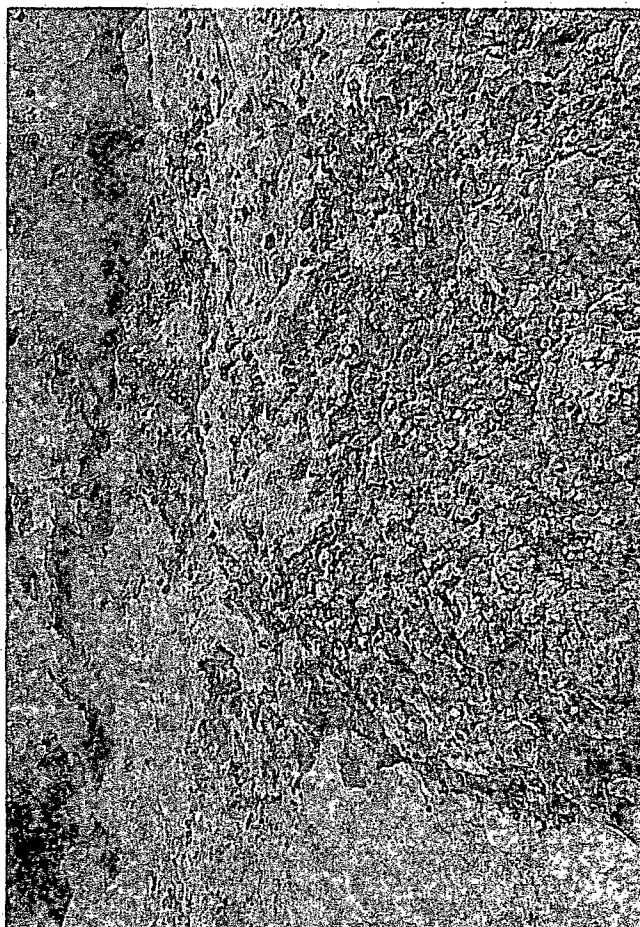
Follow-up Requirements: (circle any that apply) NONE VERBAL LETTER INC NOTIFY PET

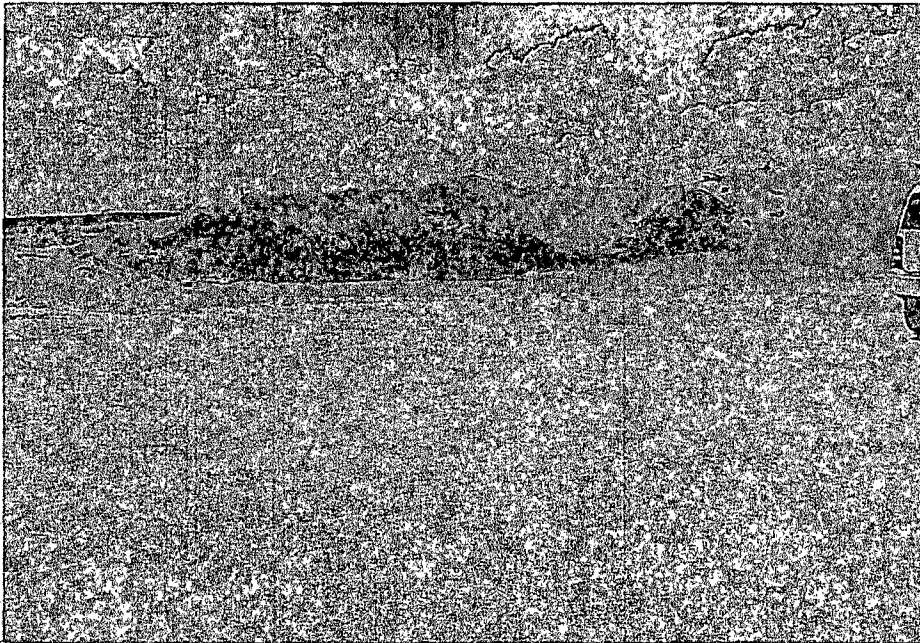
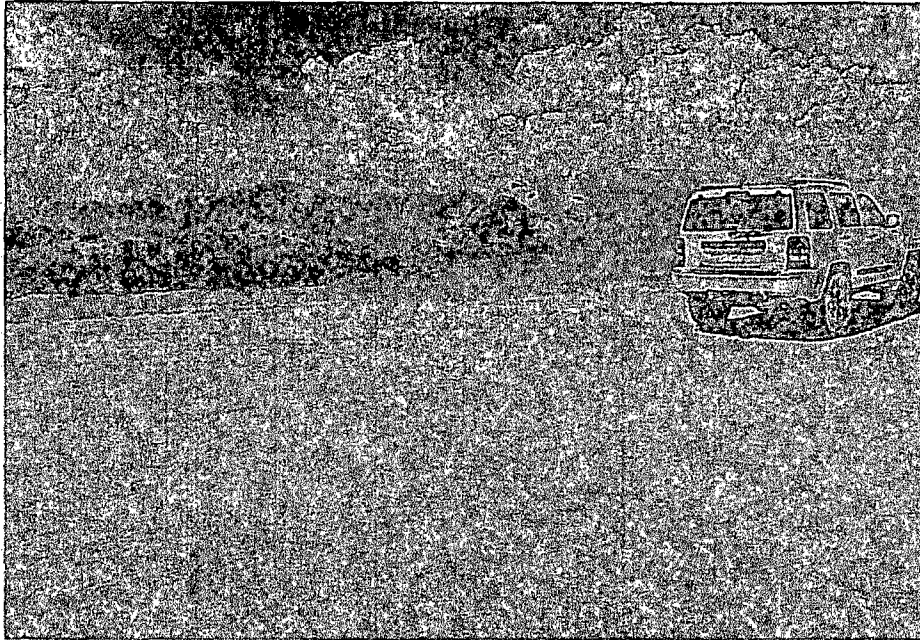
Follow-up Remarks:

CORRECT PROBLEM BY:

NEXT INSPECTION:









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

---

November 06, 2013

BRIAN WALL

LINN OPERATING-HOBBS

2130 W. BENDER

HOBBS, NM 88240

RE: TURNER B #7

Enclosed are the results of analyses for samples received by the laboratory on 10/31/13 13:50.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

LINN OPERATING-HOBBS  
 BRIAN WALL  
 2130 W. BENDER  
 HOBBS NM, 88240  
 Fax To: (575) 738-1740

Received: 10/31/2013  
 Reported: 11/06/2013  
 Project Name: TURNER B #7  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

Sampling Date: 10/31/2013  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 SURFACE (H302656-01)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2013	ND	1.90	94.9	2.00	2.12		
Toluene*	<0.050	0.050	11/05/2013	ND	1.89	94.7	2.00	2.22		
Ethylbenzene*	<0.050	0.050	11/05/2013	ND	1.90	95.2	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/05/2013	ND	5.57	92.9	6.00	2.39		
Total BTX	<0.300	0.300	11/05/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	11/01/2013	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

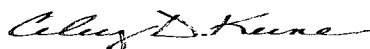
Surrogate: 1-Chlorooctane 74.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.4 % 63.6-154

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. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LINN OPERATING-HOBBS  
 BRIAN WALL  
 2130 W. BENDER  
 HOBBS NM, 88240  
 Fax To: (575) 738-1740

Received: 10/31/2013  
 Reported: 11/06/2013  
 Project Name: TURNER B #7  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

Sampling Date: 10/31/2013  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 SURFACE (H302656-02)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/05/2013	ND	1.90	94.9	2.00	2.12		
Toluene*	<0.050	0.050	11/05/2013	ND	1.89	94.7	2.00	2.22		
Ethylbenzene*	<0.050	0.050	11/05/2013	ND	1.90	95.2	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/05/2013	ND	5.57	92.9	6.00	2.39		
Total BTX	<0.300	0.300	11/05/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/01/2013	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/01/2013	ND	175	87.6	200	8.35	
DRO >C10-C28	<10.0	10.0	11/01/2013	ND	165	82.6	200	10.0	


Surrogate: 1-Chlorooctane 89.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

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. Keene, Lab Director/Quality Manager



**Notes and Definitions**

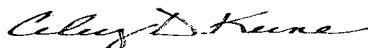
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: 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. Keene, Lab Director/Quality Manager



Page 5 of 5

[illegible]

**PLEASE NOTE: Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising thereunder based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable 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 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:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Luis Gonzalez		10/21/13	Jodi Henson	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:		
		Time:				
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)		
9.80		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		GHA		

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

#54

November 14, 2013

BRIAN WALL

LINN ENERGY

RR1, BOX 24 B

KINGFISHER, OK 73750

RE: TURNER B #7

Enclosed are the results of analyses for samples received by the laboratory on 11/08/13 16:00.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

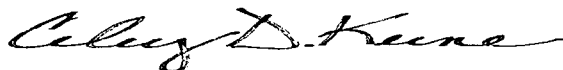
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

LINN ENERGY  
BRIAN WALL  
RR1, BOX 24 B  
KINGFISHER OK, 73750  
Fax To: (405) 375-6693

Received: 11/08/2013  
Reported: 11/14/2013  
Project Name: TURNER B #7  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/06/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 11 (H302739-01)**

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2013	ND	1.66	83.0	2.00	12.6		
Toluene*	<0.050	0.050	11/13/2013	ND	1.68	84.2	2.00	11.8		
Ethylbenzene*	<0.050	0.050	11/13/2013	ND	1.69	84.7	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/13/2013	ND	5.13	85.4	6.00	10.6		
Total BTX	<0.300	0.300	11/13/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/13/2013	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/12/2013	ND	199	99.4	200	7.54	
DRO >C10-C28	<10.0	10.0	11/12/2013	ND	186	92.9	200	7.14	

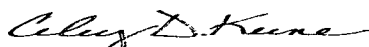
Surrogate: 1-Chlorooctane 94.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 LINN ENERGY  
 BRIAN WALL  
 RR1, BOX 24 B  
 KINGFISHER OK, 73750  
 Fax To: (405) 375-6693

Received:	11/08/2013	Sampling Date:	11/07/2013
Reported:	11/14/2013	Sampling Type:	Soil
Project Name:	TURNER B #7	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 2 @ 3 (H302739-02)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/13/2013	ND	1.66	83.0	2.00	12.6		
Toluene*	<0.050	0.050	11/13/2013	ND	1.68	84.2	2.00	11.8		
Ethylbenzene*	<0.050	0.050	11/13/2013	ND	1.69	84.7	2.00	11.9		
Total Xylenes*	<0.150	0.150	11/13/2013	ND	5.13	85.4	6.00	10.6		
Total BTX	<0.300	0.300	11/13/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	11/13/2013	ND	400	100	400	3.92		
TPH 8015M		mg/kg		Analyzed By: MS						

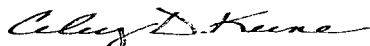
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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. Keene, Lab Director/Quality Manager

**Notes and Definitions**

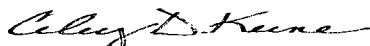
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: 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. Keene, Lab Director/Quality Manager

