

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

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> 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,

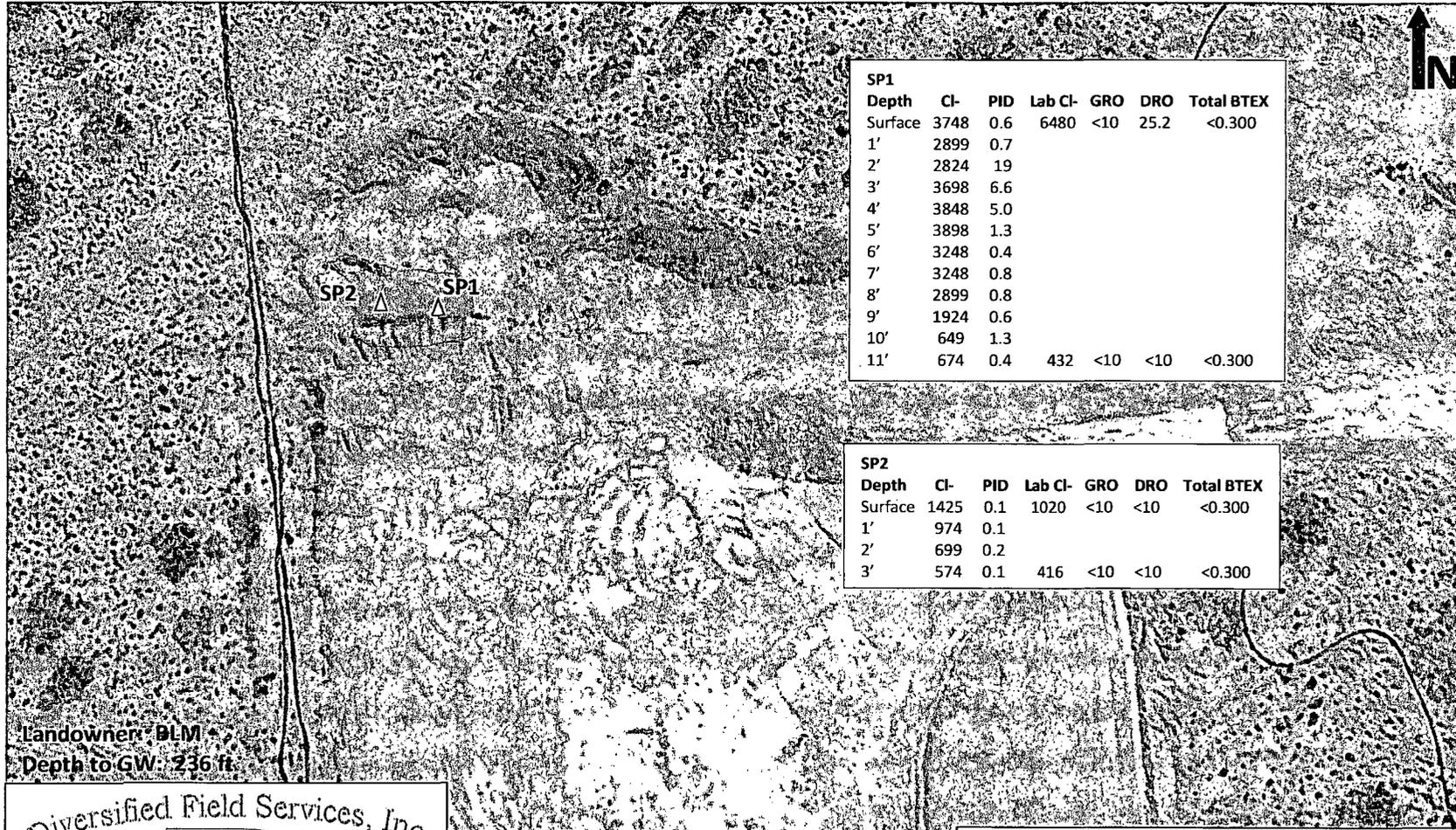
Amy C. Ruth

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



SP1						
Depth	CI-	PID	Lab CI-	GRO	DRO	Total BTEX
Surface	3748	0.6	6480	<10	25.2	<0.300
1'	2899	0.7				
2'	2824	19				
3'	3698	6.6				
4'	3848	5.0				
5'	3898	1.3				
6'	3248	0.4				
7'	3248	0.8				
8'	2899	0.8				
9'	1924	0.6				
10'	649	1.3				
11'	674	0.4	432	<10	<10	<0.300

SP2						
Depth	CI-	PID	Lab CI-	GRO	DRO	Total BTEX
Surface	1425	0.1	1020	<10	<10	<0.300
1'	974	0.1				
2'	699	0.2				
3'	574	0.1	416	<10	<10	<0.300

Landowner: BLM
 Depth to GW: 236 ft

Diversified Field Services, Inc.

 C.C. & Co, LLC
 J & M Welding and Fabrication, Inc.
 Diversified Construction

Legend

 Initial Impacted Area (total 1,600 ft²)

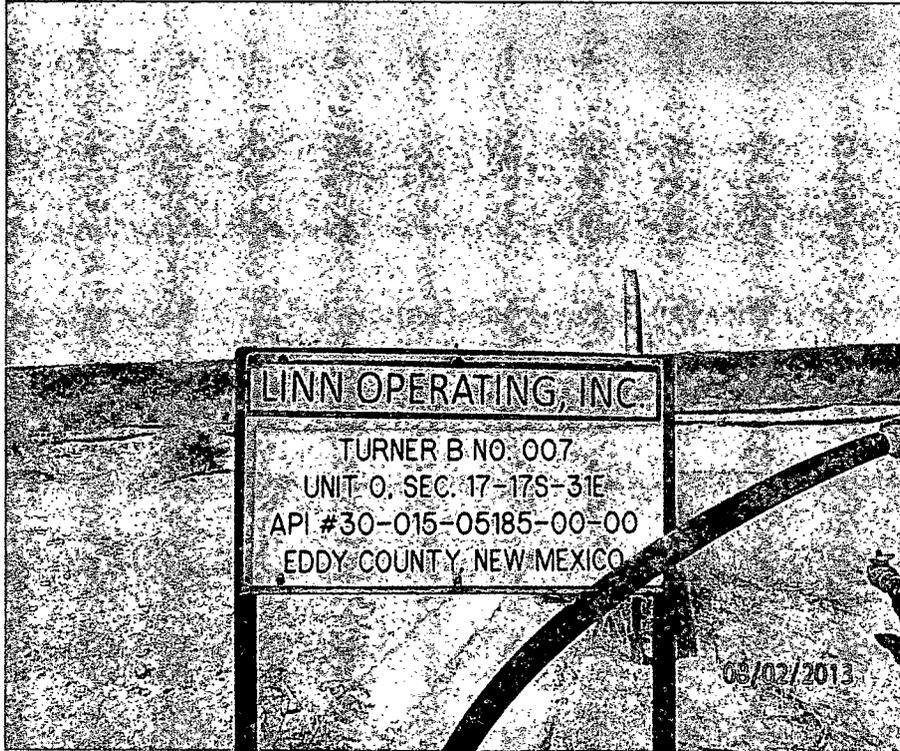
 Sample Point

Linn Energy Turner B #007

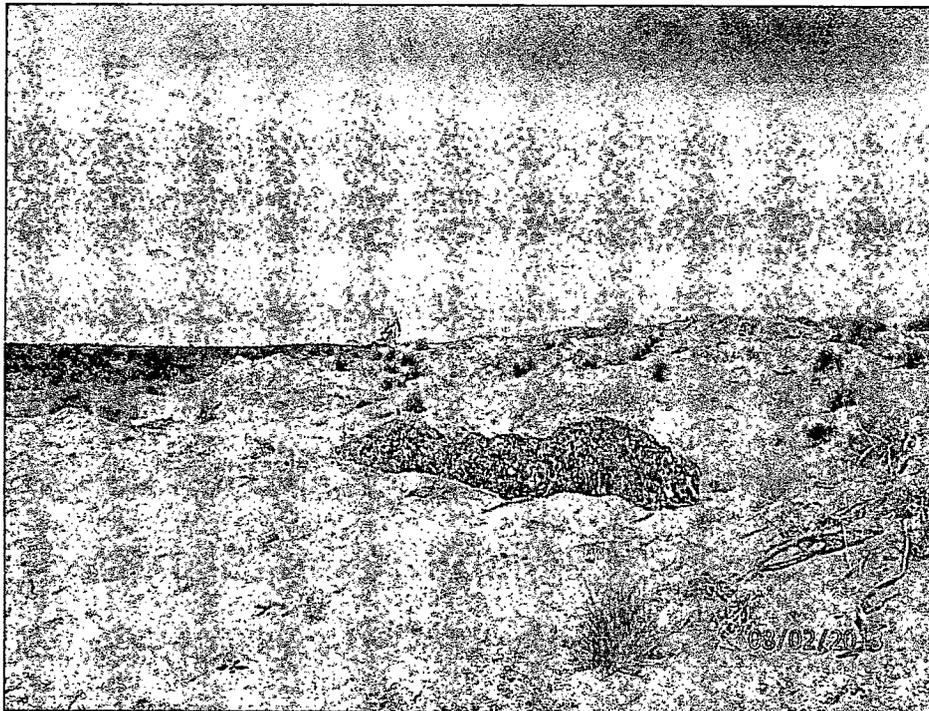
UL/O, Sec 17, T17S R31E
 Eddy County, NM
 Drafted By: A.C. Ruth, 11/26/13
 Not to Scale

Linn Energy Turner B #07

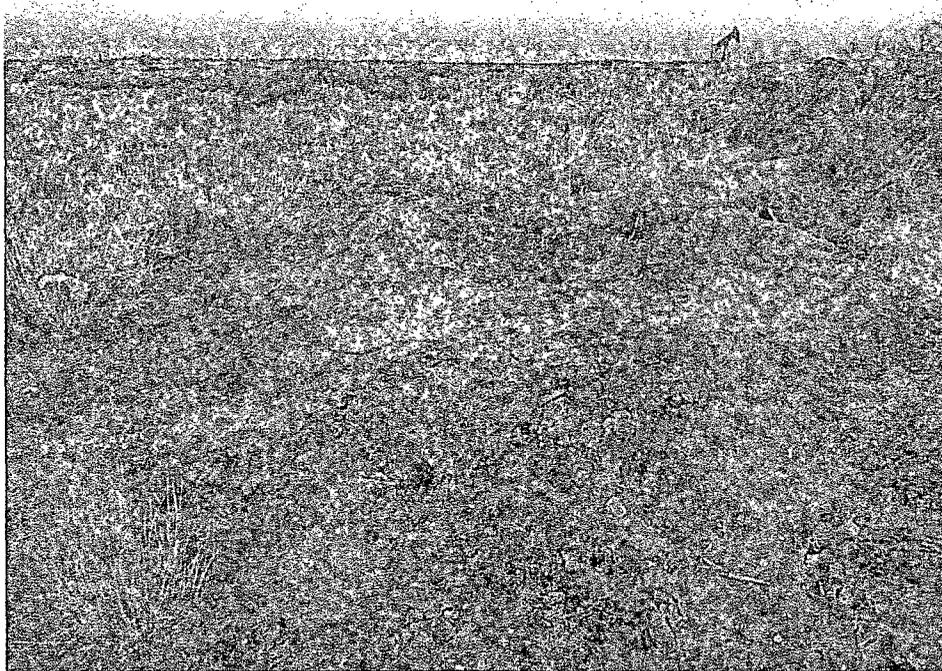
Unit Letter O, Section 17, T17S R31E



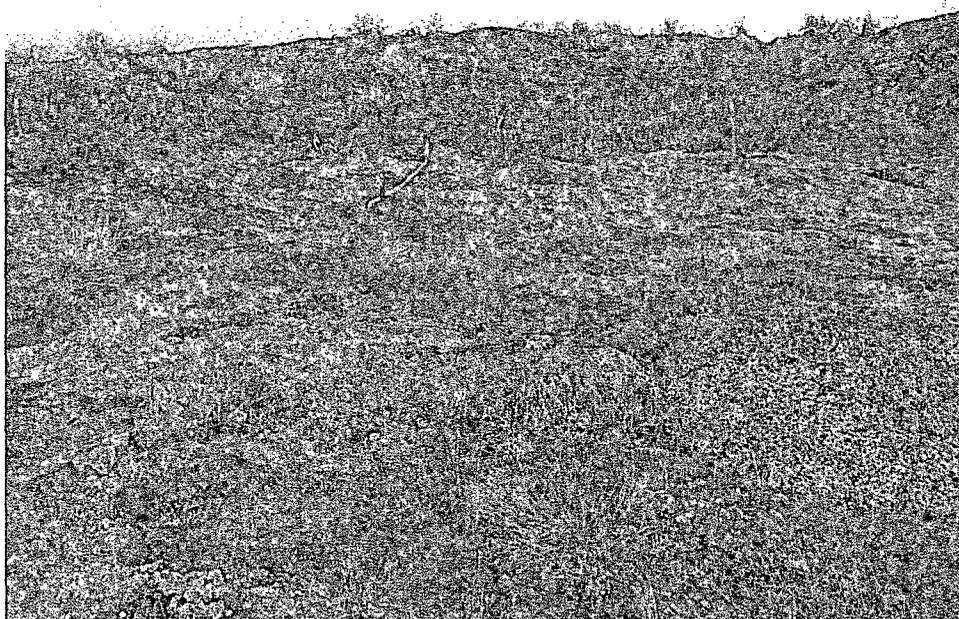
Sign marking location 8/02/13



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	16S 31E	16S 32E	
	17S 30E	✕ 17S 31E	17S 32E	
	18S 30E	18S 31E	18S 32E	

65' 260'
 ⊙ ⊙ ⊙ 265'
 ⊙ 248' ⊙ 275'
 288' ⊙
 314' ⊙
 254' ⊙
16S 32E ⊙ 215'
 ⊙ 210' ⊙ 210'
 ⊙ 221'
 ⊙ 200'

⊙ 132'

⊙ 65'

⊙ 430'

⊙ 460'

⊙ 44'

⊙ 98'

288' ⊙
 314' ⊙
16S 31E ⊙ 295'



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 Sub-Code	basin	County	POD				X	Y	Depth Well	Depth Water	Water Column
				Q 64	Q 16	Q 4	Sec					
<u>L 03435</u>	L	LE		1	1	05	16S 31E	602954	3646955*			
<u>L 03852</u>	R	L	LE	2	2	14	16S 31E	609126	3643913*	370	314	56
<u>L 03852 POD4</u>	L	LE		3	4	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	13	16S 31E	610749	3642526*	333	299	34
<u>L 03852 X2</u>	L	LE		3	2	13	16S 31E	610535	3643733*	330	287	43
<u>L 04671</u>	L	LE		1	1	12	16S 31E	610114	3645538*	340	288	52
<u>L 10203</u>	L	LE		4	4	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.



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	X	Y
L 03435	L	PRO	0	LOWE DRILLING COMPANY	LE	L 03435		Shallow	1 1 05 16S 31E	602954	3646955*

(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)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest) (NAD83 UTM in meters)			
										Q	Q	Q	Q	X	Y		
<u>L 03852</u>	L	MUÑ	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.



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 6416 4 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.



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-	basin	County	Q Q Q			Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
				64	18	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	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	32E	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



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					X	Y	
					Source	6416 4	Sec	Tws Rng			
L 02381	L PRO 0 GULF REFINING COMPANY	LE	L 02381		Shallow	3 1	13 16S 32E	619086	3643515		

(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 02381

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 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.



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.



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		Rng	X	Y			
								6416	4						
L 02752	L	DOL	3	W W WILLIAMS	LE	L 02752		Shallow	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	q q q	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, (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 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.



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	Ownership Information				X	Y
						Source	6416 4	Sec	Tws Rng		
L 02954	L PRO	0 SCHOENFELD-HUNTER-KITCH DRG CO	LE	L 02954		Shallow	2 4	03	16S 32E	617043	3646310*

(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.



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			X	Y
										6416	4	4		
L 03631	L	PRO	0	MAGNOLIA PETROLEUM COMPANY	LE	L 03631			Shallow	1	2	02	16S 32E	618240 3647126*

(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 03631

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					X	Y	
								Source	6416 4	Sec	Tws			Rng
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					X	Y		
								(acre ft per annum)	Source	q q q	Sec			Tws	Rng
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.



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	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest) (NAD83 UTM in meters)			
										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	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*	

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.



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	POD				X	Y	Depth Well	Depth Water	Water Column
				Q	Q	Q	Q					
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-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<u>L 04019</u>	L	LE		4	3	4	02	17S	32E	618468	3636166*	182		
<u>L 04020</u>	L	LE		3	3	4	02	17S	32E	618268	3636166*	200		
<u>L 04021</u>	R	L	LE	3	4	4	02	17S	32E	618670	3636170*	190		
<u>L 04021 POD3</u>	L	LE		3	4	03		17S	32E	616761	3636252*	247		
<u>L 04021 S</u>	L	LE		2	4	4	03	17S	32E	617262	3636354*	260		
<u>L 13047 POD1</u>	L	LE					11	17S	32E	618187	3635254*	140		
<u>L 13050 POD1</u>	L	LE		2	2	1	10	17S	32E	616463	3635945*	156	132	24
<u>RA 08855</u>		LE		4	1	1	10	17S	32E	616061	3635742*	158		
<u>RA 09505</u>		LE		2	2	1	10	17S	32E	616462	3635944	147		
<u>RA 09505 S</u>		LE		2	2	1	10	17S	32E	616463	3635945*	144		
<u>RA 10175</u>		LE			2	1	28	17S	32E	614814	3631005*	158		
<u>RA 11684 POD1</u>		LE		1	1	4	11	17S	32E	618216	3635124	275		
<u>RA 11684 POD2</u>		LE		1	1	4	11	17S	32E	618313	3635248	275		
<u>RA 11684 POD3</u>		LE		3	3	1	11	17S	32E	618262	3635371	275		
<u>RA 11684 POD4</u>		LE		1	3	2	11	17S	32E	618334	3635521	275		
<u>RA 11684 POD5</u>		LE		3	1	4	11	17S	32E	618353	3635047	275		
<u>RA 11734 POD1</u>		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.



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 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 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
<u>CP 00818</u>		LE		1	4	26	18S	30E	599289	3620364*	240		
<u>CP 00819</u>		LE		2	4	32	18S	30E	594878	3618720*	150		
<u>L 01978</u>	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.



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 01978	L	DOM	3	L A JOHNSON	LE	L 01978		Shallow	1	3	23	18S 30E	598469	3621964*

(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 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			Q Q Q			X	Y	Depth Well	Depth Water	Water Column
	basin	County	64 16 4	Sec	Tws	Rng					
<u>L 11092</u>	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)

WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y
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)

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

POD Number	POD Sub-Code	basin	County	Q Q Q			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.



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.



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
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)

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.



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)

(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	6416 4	Sec	Tws	Rng	X	Y
CP 00677		PRO		O T X O PROD.	LE	CP 00677					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.

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

Unique Event Number: 11NU108TG		Date of Event: 08/01/2011	Date Reported: 08/01/2011
State: NM	Office Code: CB	County: EDDY	
1/4 1/4: SWSE	Section: 17	Township: 17S	Range: 31E

Reference Point (Remarks):

Case Number: NMLC029395B	
Operator Name: LINN OPERATING INCORPORATED	SME: BUREAU OF LAND MANAGEMENT

Type of Event:
SALTWATER SPILL

Volumes -	Discharged Oil:	Gas:	Water: 10	Other:
	Recovered Oil:	Gas: N/A	Water: 2	Other:

INSPECTION OPEN DATE: 08/01/2011	INSPECTION CLOSE DATE: 08/11/2011
INSPECTOR: GREGSTON	COMPANY REPRESENTATIVE: DENNIS POTTER

TIMES - OFFICE: 2.00	TRAVEL: 1.00	INSPECTION: 0.50
-------------------------	-----------------	---------------------

EVENT CLASSIFICATION:
MINOR

Well or Facility ID: 300150518500S1	Name: TURNER B	Number: 7
--	-------------------	--------------

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--.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

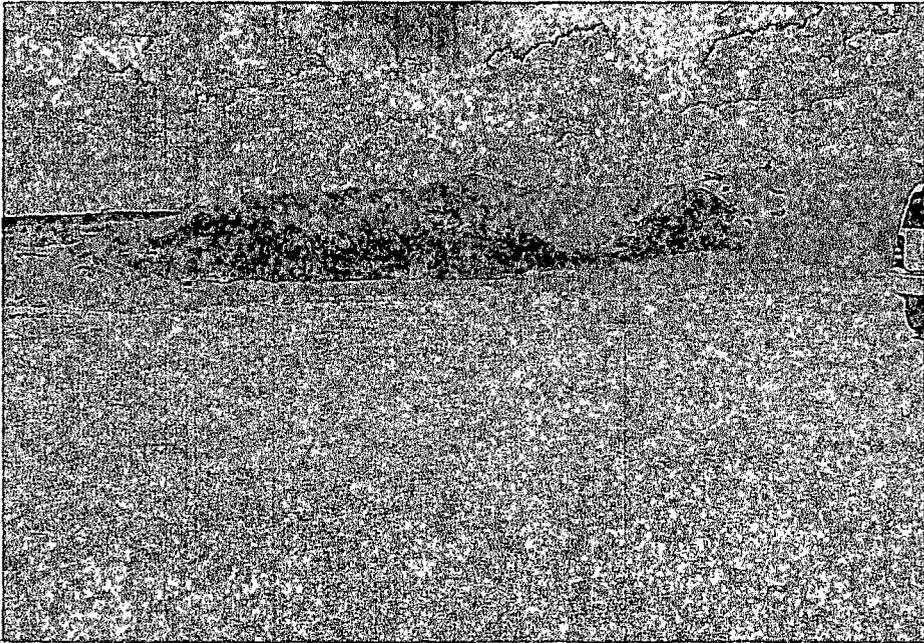
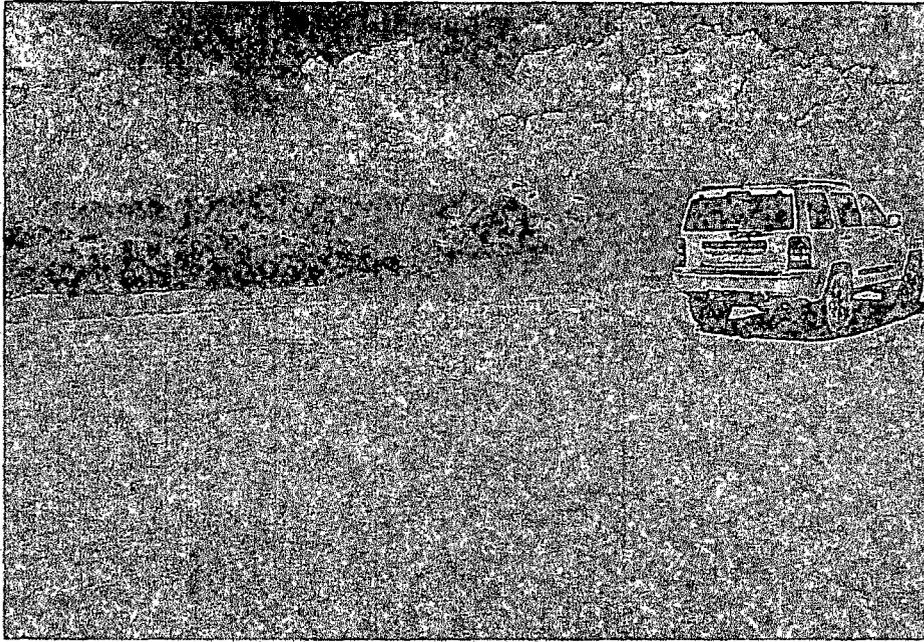
Follow-up Requirements: (circle any that apply) NONE VERBAL LETTER INC NOTIFY PET

Follow-up Remarks:

CORRECT PROBLEM BY:

NEXT INSPECTION:





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.

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)

BTEX 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 BTEX	<0.300	0.300	11/05/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 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						
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	25.2	10.0	11/01/2013	ND	165	82.6	200	10.0		

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)
BTEX 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 BTEX	<0.300	0.300	11/05/2013	ND					

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

Chloride, SM4500CI-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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Winn Energy</u>		BILL TO		ANALYSIS REQUEST																							
Project Manager: <u>Brian Wall</u>		P.O. #:																									
Address:		Company:																									
City:	State:	Zip:	Attn:																								
Phone #:	Fax #:		Address:																								
Project #:	Project Owner:		City:																								
Project Name: <u>Turner #7</u>		State: Zip:																									
Project Location: <u>Eddie County</u>		Phone #:																									
Sampler Name: <u>Luis Gonzalez</u>		Fax #:																									
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS	MATRIX													PRESERV.	SAMPLING										
			GROUNDWATER				DATE	TIME																			
			WASTEWATER																								
			SOIL																								
			OIL																								
			SLUDGE																								
			OTHER:																								
			ACID/BASE:																								
			ICE / COOL																								
			OTHER:																								
<u>H302656</u>																											
<u>1</u>	<u>SP1 Surface</u>	<u>2</u>					<u>10/21/13</u>																				
<u>2</u>	<u>SP2 Surface</u>	<u>2</u>					<u>10/21/13</u>																				

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 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 each claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Luis Gonzalez</u>	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
	Time:	<u>Jodi Hanson</u>	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 <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	(Initials)				
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>JWH</u>				

† 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.

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)

BTEX 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 BTEX	<0.300	0.300	11/13/2013	ND						

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

Chloride, SM4500CI-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)

BTEX 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 BTEX	<0.300	0.300	11/13/2013	ND						

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

Chloride, SM4500CI-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						
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 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

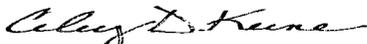
Notes and Definitions

- 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Linn energy</u>				BILL TO				ANALYSIS REQUEST																						
Project Manager: <u>Brian Wall</u>				P.O. #:																										
Address:				Company:																										
City:		State:		Zip:		Attn:																								
Phone #:		Fax #:		Address:																										
Project #:		Project Owner:		City:																										
Project Name: <u>TURNER B#2</u>				State:																Zip:										
Project Location:				Phone #:																										
Sampler Name: <u>Miguel Gomez</u>				Fax #:																										
FOR LAB USE ONLY																														
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING																	
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME														
<u>A302739</u>				<u>6</u>	<u>1</u>			<u>X</u>				<u>X</u>		<u>11-6-13</u>	<u>2:59</u>	<u>X</u>	<u>X</u>	<u>X</u>	Chloride FPH BTEX											
<u>1</u>		<u>Sr1@11</u>		<u>5</u>	<u>1</u>			<u>X</u>				<u>X</u>		<u>11-9-13</u>	<u>7:15</u>	<u>X</u>	<u>X</u>	<u>X</u>												
<u>2</u>		<u>Sr2@3</u>																												

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 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: <u>Miguel Gomez</u>		Date: <u>11/8/13</u>		Received By: <u>Jodi Jensen</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: <u>4:00</u>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS: <u>Bwall@Linnenergy.com</u> <u>Ahuth@diversifiedsl.com</u>			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<u>[Signature]</u>			

#54