

**Bratcher, Mike, EMNRD**

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**From:** Amber Cannon [ACannon@yatespetroleum.com]  
**Sent:** Tuesday, March 20, 2012 10:31 AM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** 2RP-1039, Loving AIB State #1 2/14/2012 Release  
**Attachments:** Loving AIB State #1\_021412 Release.pdf

Mike,

Attached is a table summarizing analytical results as well as a site diagram for 2RP-1039, Loving AIB State #1 2/14/2012 release. Yates Petroleum would like to request permission to submit a Final C-141 for this release based on the following:

- The release amount and impacted soils were excavated and disposed of at an NMOCD approved facility.
- Two (2) feet of soils were excavated from sections 1, 2, 3, 4, and 6. We are confident that all impacted soils from this release were excavated as the spill amount was so small, there is no way it could have traveled any deeper.
  - If we were to delineate samples any further in Sections 1-4 we would run into the high chlorides that we were allowed to leave in place from the July 17, 2011 release. We propose to take no further action in these sections.
  - Section 6 did not have a chloride problem as shown by the analytical results, and we propose to take no further action in this section.
- Four (4) feet of soils were excavated from section 5. We excavated these 4' due to the high sample results we received on samples taken 2/28/2012 and based off the fact that this small area was not hit from the previous July 17, 2011 release. For this section we would like to do as we did on the July 17, 2011 release and leave the chlorides past 4' in place and cover with a 4' cap.

Thank you for your time in this matter.

**Amber Cannon**

Environmental Regulatory Agent  
Yates Petroleum Corporation  
Office: (575) 748-4111  
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# LOVING AIB STATE #1

Release 2/14/2012

Analytical Report H200473	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
West 3 (S 1-3')	Release Area	2/21/2012	Grab/Backhoe	3'	ND	ND	ND	ND	112
West 4 (S 1-4')	Release Area	2/21/2012	Grab/Backhoe	4'	ND	ND	ND	ND	352

Analytical Report 437855	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
TH3	Release Area	2/28/2012	Grab/Backhoe	3'	ND	ND	ND	ND	16,000
TH4	Release Area	2/28/2012	Grab/Backhoe	4'	ND	ND	ND	ND	20,300

Analytical Report 438611	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S2-3	Release Area	3/12/2012	Grab/Backhoe	3'					226
S2-4	Release Area	3/12/2012	Grab/Backhoe	4'					1280
S2-5	Release Area	3/12/2012	Grab/Backhoe	3'					399
S3-4	Release Area	3/12/2012	Grab/Backhoe	4'					188
S4-3	Release Area	3/12/2012	Grab/Backhoe	3'					225
S4-4	Release Area	3/12/2012	Grab/Backhoe	4'					707
S5-5	Release Area	3/12/2012	Grab/Backhoe	5'					16100
S5-6	Release Area	3/12/2012	Grab/Backhoe	6'					16500
S5-7	Release Area	3/12/2012	Grab/Backhoe	7'					9210
S5-8	Release Area	3/12/2012	Grab/Backhoe	8'					10400
S6-3	Release Area	3/12/2012	Grab/Backhoe	3'					27.4
S6-4	Release Area	3/12/2012	Grab/Backhoe	4'					48.6

Site Ranking is TWENTY (20). Depth to Ground Water <50' (approx. 55', Section 16-23S-28E, per NMOSE).

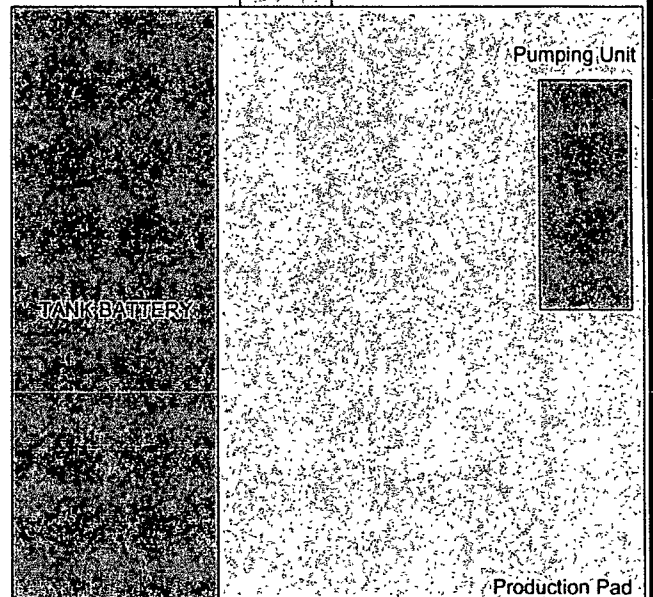
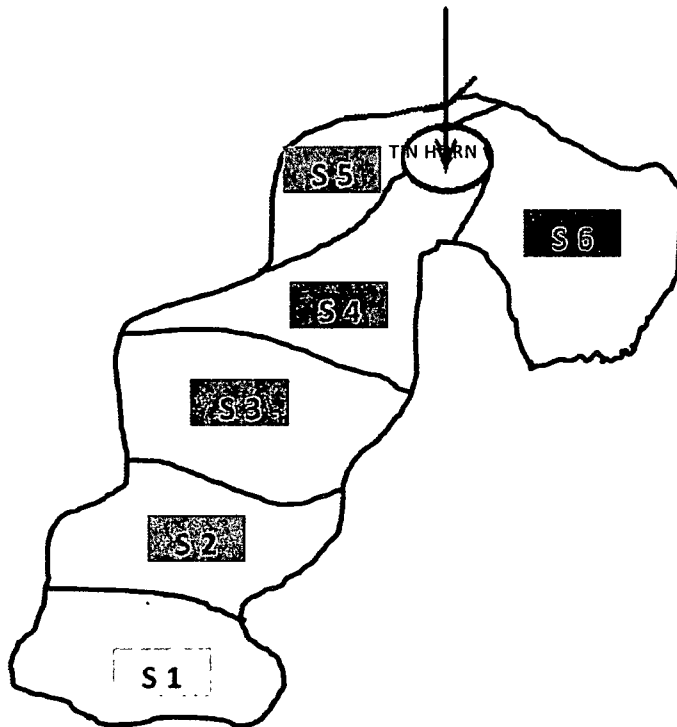
All results are ppm.Chlorides for documentation.

Released: 5 B/PW; Recovered: 0 B/PW. Release Date: 2/14/2012



LEASE ROAD

TIN HORN



Loving AIB State #1  
30-015-22889  
Section 16, T23S-R28E  
Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)  
Xenco Laboratories# 437855 & 438611  
Cardinal Laboratories# H200473  
Report Date: 8/18/2011

Prepared by Amber Cannon  
Environmental Regulatory Agent

# NM WAIDS

[DATA](#)[MAPS](#)[HOME](#)[SCALE](#)[CORROSION](#)

General Information About: Sample 10813			
Section/ Township/Range	15 / 23 S / 28 E	Lat/Long	32.3046 / -104.075
Elevation	3004	Depth	160
Date Collected	5/27/1981	Chlorides	2020
Collector / Point of Collection	SEO / DP	Use	Irrigation Water
Formation	OAL	TDS	0





# 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 Code	Subbasin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00072	C	ED		3	3	1	15	23S	28E	586364	3574760*	120	54	66
C 00128	C	ED		2	4	4	15	23S	28E	587783	3574162*	149		
C 00211	C	ED		4	3	3	15	23S	28E	586570	3573949*	89	48	41
C 00235	C	ED		2	2	15	23S	28E	587676	3575280*	160			
C 00269	C	ED		4	4	2	15	23S	28E	587778	3574773*	240	35	205
C 00269 CLW199753	O	ED		4	4	2	15	23S	28E	587778	3574773*	240	35	205
C 00311	C	ED		4	2	1	16	23S	28E	585353	3575152*	163	55	108
C 00313		ED		3	3	3	17	23S	28E	583136	3573915*	250	75	175
C 00321	C	ED		4	2	15	23S	28E	587679	3574874*	120			
C 00520	C	ED		1	1	3	16	23S	28E	584754	3574538*	115	33	82
C 00521	C	ED		1	1	3	16	23S	28E	584754	3574538*	218	33	185
C 00851	C	ED		3	17	23S	28E	583438	3574217*	200	50	150		
C 02503	C	ED		4	2	15	23S	28E	587679	3574874*	70	12	58	

Average Depth to Water: **43 feet**

Minimum Depth: **12 feet**

Maximum Depth: **75 feet**

Record Count: 13

PLSS Search:

Section(s): 15, 16, 17

Township: 23S

Range: 28E

\*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

## Point of Diversion Summary

POD Number  
D!!!11631

jr vbsf st lbf !2>OX !3>OF!4>TX !5>TF\*  
jr vbsf st lbf !t n bnft dlp!rshf t u  
R75 R27 Q4 Tf d Tws Soh Y Z  
2 2 4 27 34T 39F 695865 4685649+

EsjmfslMdf ot f; CS.OJOTUPPMIN/E/

EsjmfslObn f; I PX BSE!! FNMFS

EsjmfTubs!Ebuf; 120302: 65

EsjmfGajt i !Ebuf; 1202: 02: 65

Qmhl!Ebuf;

Mph!Gjrh!Ebuf; 140302: 65

QDX !Sdw!Ebuf; 1401302: 66

Tpv sdf; Ti bnpx

Qvn q!Uzqf;

Qjqf !Ejt di bshf !Tj{f;

Ft yn buf elZjf re;

Dbt joh!Tj{f; 7/11

Ef qu !X f m

226!g f u

Ef qu !X buf s; 44!g f u

X buf s!Cf bsjoh!Tusbygdbypot;

Upq Cpupn Eft dsjqjpo

81 226 Tboet upof 0-Hbwf r0pohrpn f sbf

+VUN!rpdbypolx bt lef sjw elgpn !QMTT!.!t ff!! f m

Ui f !ebub!jt !grsojt i f elcz!u f !ONP TFQTD!boe!jt !bddf qu elcz!u f !sf djqf oux ju !u f !f yqsf t t f elvoef st boejoh!u bu!u f !P TFQTD!n bl f !op!x bssboyf t -  
f yqsf t t f elps!jn qjrf e-lpodf sojoh!u f !bddvsbdz-lapn qrfuf of t t -!sf rjbcjrz-lvt bcjrz-lps!t vjbcjrz!gs!boz!qbsjdvrbs!qvsqpt f !pgu f !ebub/

403703!21;15!BN

Qbhf !2!pg2

QP .JUI!PGEJWFSTJPO!TVNNBSZ