



Key Energy Services
6 Desta Drive
Suite 4300
Midland, Texas 79705

Telephone: 432.571.7536
Facsimile: 432.571.7173
www.keyenergy.com

July 25, 2011

Mr. Geoffrey Leking
New Mexico Oil Conservation District
1625 N. French Drive
Hobbs, New Mexico 88240

HOBBS OCD

JUL 26 2011

RECEIVED

Via Regular Mail

Subject: Report of Investigation
Trucker's Brine Station No. 02 in Hobbs, Lea County, New Mexico

Dear Mr. Leking:

Attached is the report for the investigation requested by the Oil Conservation Division (OCD) in regard to closing the subject site. The scope of work was previously approved by OCD. Please review the report and contact me with any question or concerns. Key would like to close this pit as soon as possible.

If you have any questions regarding this information, please contact me at (432) 571-7536.

Sincerely,

A handwritten signature in black ink, appearing to read "DK Gibson".

Daniel K. Gibson, P.G.
Environmental Manager

Table 1

CONCENTRATIONS OF CHLORIDES IN SOIL

Key Energy Services, Inc.
 Trucker's #2 Brine Station
 Lea County, NM
 Terracon Project Number A4117046

All concentrations are in mg/ kg

SAMPLE LOCATION	SAMPLE DATE	SAMPLE INTERVAL	EPA Method 300.1
			Total Chlorides
TMW-1	06/08/11	0-5 fbgs	2,770
TMW-1	06/08/11	5-7 fbgs	2,110
TMW-1	06/08/11	8-10 fbgs	1,650
TMW-1	06/08/11	20-22 fbgs	541
TMW-1	06/08/11	30-32 fbgs	194
TMW-1	06/08/11	40-42 fbgs	83.5
TMW-1	06/08/11	50-52 fbgs	67.1
TMW-1	06/08/11	60-62 fbgs	18.0
TMW-2	06/08/11	0-2 fbgs	5,130
TMW-2	06/08/11	2-4 fbgs	6,180
TMW-2	06/08/11	4-6 fbgs	4,780
TMW-2	06/08/11	6-8 fbgs	5,580
TMW-2	06/08/11	8-10 fbgs	3,340
TMW-2	06/08/11	20-22 fbgs	27.7
TMW-2	06/08/11	30-32 fbgs	50.5
TMW-2	06/08/11	40-42 fbgs	72.1
TMW-2	06/08/11	50-52 fbgs	36.3
TMW-3	06/09/11	0-2 fbgs	3,170
TMW-3	06/09/11	2-4 fbgs	3,370
TMW-3	06/09/11	4-6 fbgs	2,710
TMW-3	06/09/11	6-8 fbgs	1,890
TMW-3	06/09/11	8-10 fbgs	1,250
TMW-3	06/09/11	20-22 fbgs	127
TMW-3	06/09/11	30-32 fbgs	146
TMW-3	06/09/11	40-42 fbgs	64.5
TMW-3	06/09/11	50-52 fbgs	45.9
TMW-3	06/09/11	60-62 fbgs	72.3
MW-3	06/09/11	0-2 fbgs	555
MW-3	06/09/11	2-4 fbgs	1,530
MW-3	06/09/11	4-6 fbgs	1,610
MW-3	06/09/11	6-8 fbgs	1,200
MW-3	06/09/11	8-10 fbgs	847
MW-3	06/09/11	20-22 fbgs	811
MW-3	06/09/11	30-32 fbgs	645
MW-3	06/09/11	40-42 fbgs	145
MW-3	06/09/11	50-52 fbgs	130
MW-3	06/09/11	60-62 fbgs	40.7

NOTES:

fbgs = feet below ground surface

TMW-2 was advanced beginning 10 fbgs, making the sample interval effectively 10 feet deeper than documented on laboratory identification information.

Table 2

CONCENTRATIONS OF CHLORIDES IN GROUNDWATER

Key Energy Services, Inc.
 Trucker's #2 Brine Station
 Lea County, NM
 Terracon Project Number A4117046

All concentrations are in mg/L

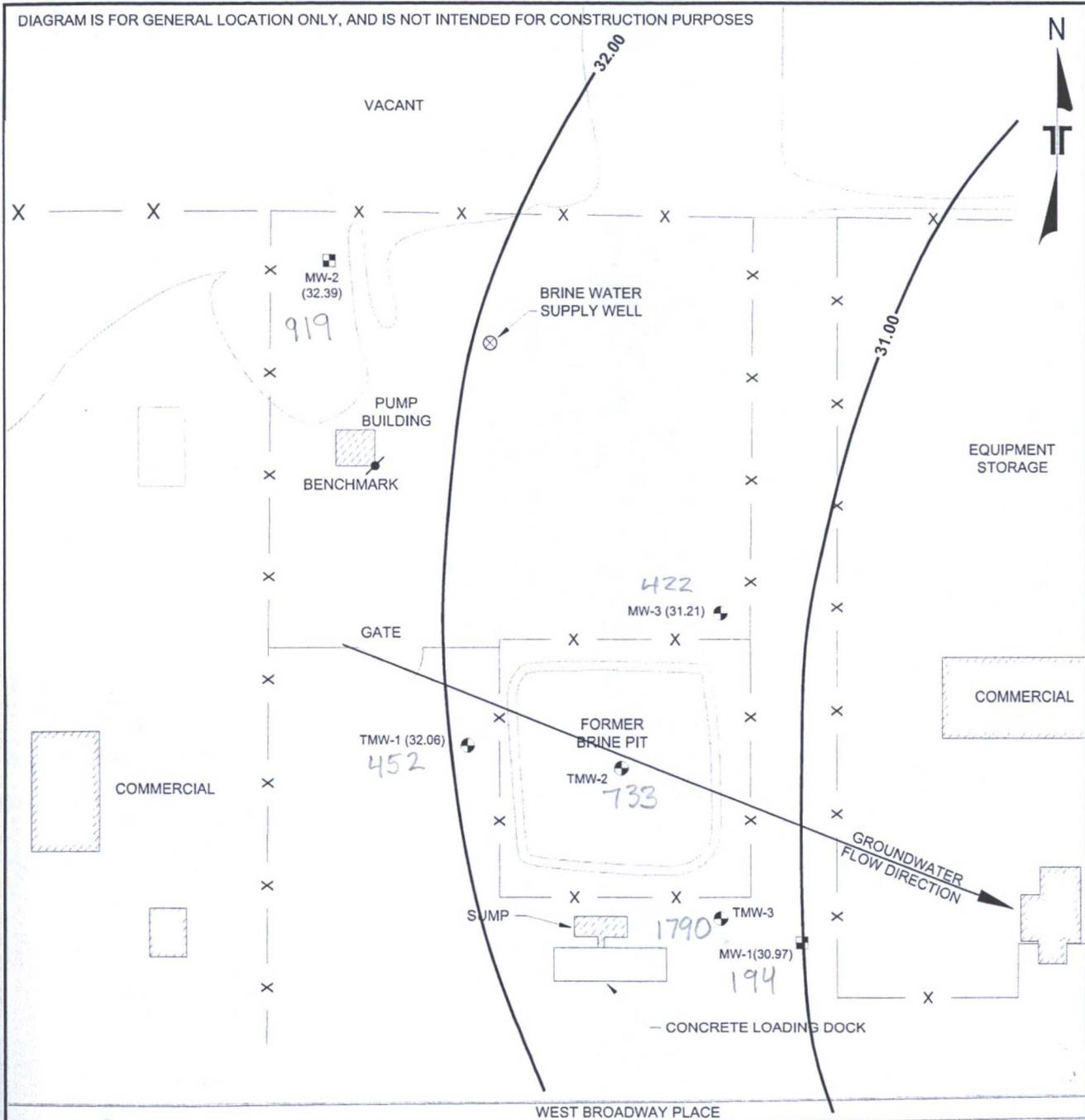
SAMPLE LOCATION	SAMPLE DATE	Top of Casing Elevation *	GROUNDWATER DEPTH (in feet below top-of-casing)	Groundwater Elevation	EPA Method 300.1
					Total Chlorides
MW-1	06/10/11	97.71	66.74	30.97	194
MW-2	06/10/11	99.09	66.70	32.39	919
MW-3	06/10/11	97.86	66.65	31.21	422
TMW-1	06/10/11	99.52	67.46	32.06	452
TMW-2	06/10/11	not measured	57.35	not measured	733
TMW-3	06/10/11	not measured	66.92	not measured	1,790

NOTES:

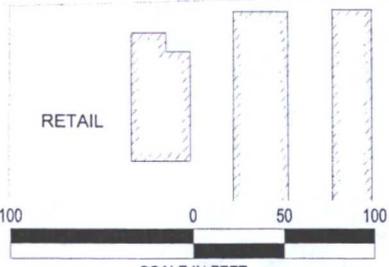
fbs = feet below ground surface

* locations surveyed in relation to an onsite benchmark with an assigned elevation of 100.00 feet

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



LEGEND	
—X—	FENCE
⊕	TEMPORARY MONITORING WELL
⊠	PERMANENT MONITORING WELL



NOTE: ELEVATIONS ARE SET TO AN ARBITRARY 100' BENCHMARK

Project Manager:	WB	Project No.	A4117046
Drawn by:	RF	Scale:	AS SHOWN
Checked by:	WB	File Name:	A4117046
Approved by:	BB	Date:	06/20/2011

Terracon
Consulting Engineers & Scientists

1211 W Florida Street Midland, Texas 79701
PH: (432) 684 9600 FAX: (432) 684 9608

GROUNDWATER GRADIENT MAP FOR 6-10-2011

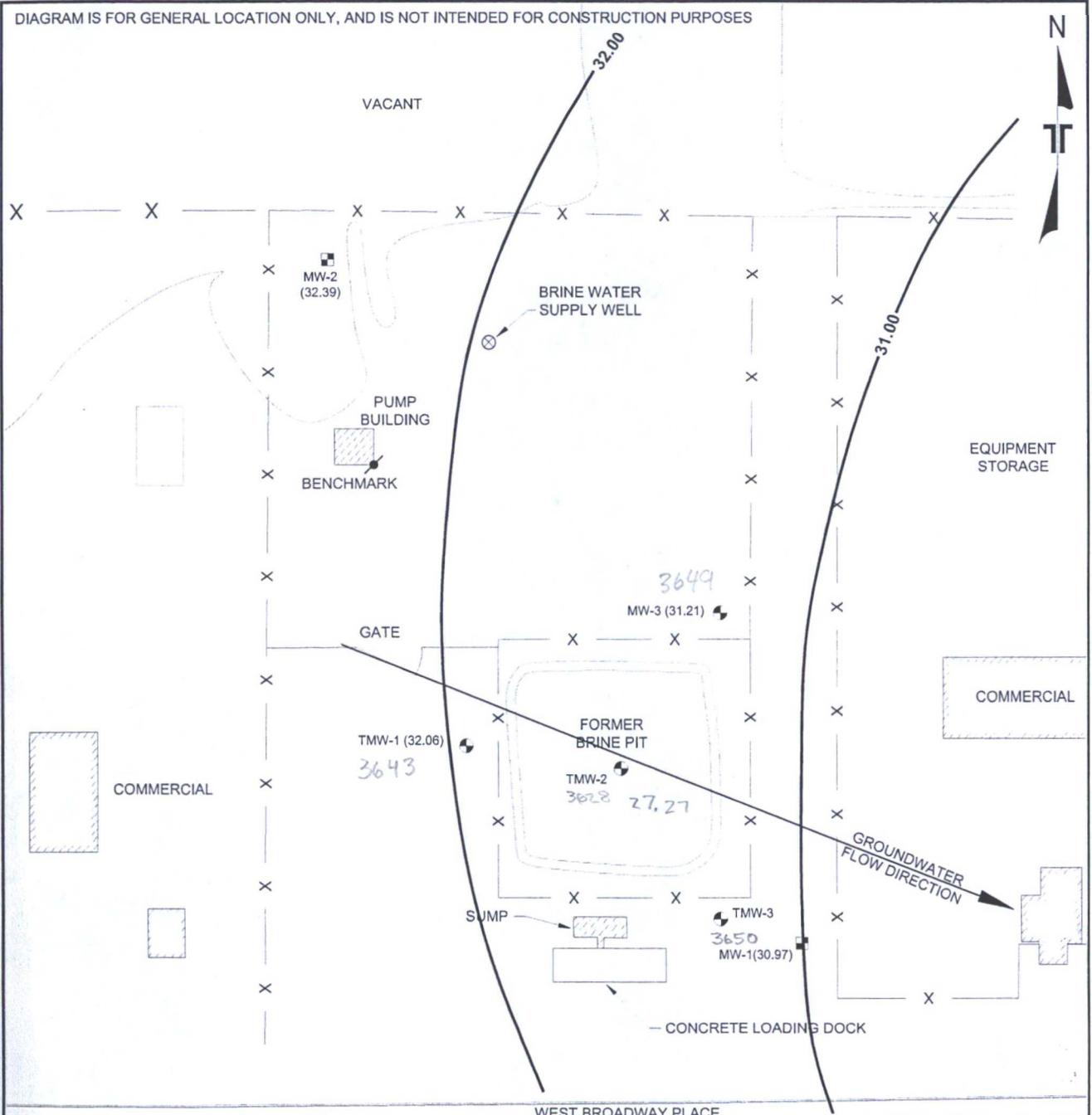
TRUCKER'S # 2 BRINE STATION
WEST BROADWAY PLACE
HOBBS, LEE COUNTY, NEW MEXICO

Figure
3

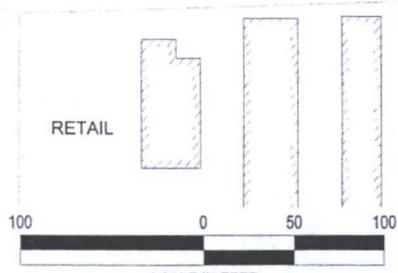
3643 = 99.52
 3628 = 84.52
 15

84.52
 57.35
 27.27

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



LEGEND	
—X—	FENCE
⊕	TEMPORARY MONITORING WELL
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TRUCKER'S # 2 BRINE STATION
 WEST BROADWAY PLACE
 HOBBS, LEE COUNTY, NEW MEXICO

Figure
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