

78½ Patton Avenue
Asheville, North Carolina 28801
Telephone: (828) 281-3350 Facsimile: (828) 281-3351

The Fletcher Group

Transmittal Letter

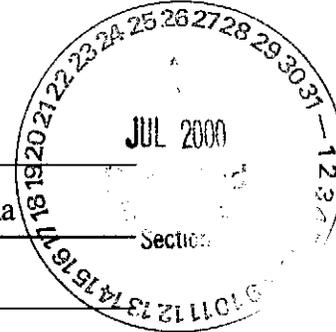
To: Mark Poindexter

From: John Chase

Date: July 24, 2000

Re: Jackson County, North Carolina

Contents: Landfill Gas Evaluation Report



● Comments:

Fac/Perm/Co ID #	Date	Doc ID#
PC	7/24/00	DIN

Enclosed is the Landfill Gas Evaluation Report for the Jackson County Landfill.

If you have questions or comments, please call Jim McElduff.

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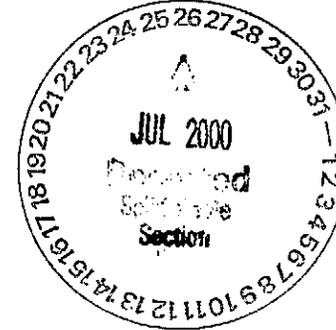


FLETCHER GROUP, INC.
FLETCHER GROUP, INC.
OF NORTH CAROLINA
FLETCHER ENGINEERING
PIEDMONT INDUSTRIAL
WASTE SERVICES
PIEDMONT PRODUCTS

July 24, 2000

Mr. Mark Poindexter
North Carolina Department of Environment and Natural Resources
Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Subject: Landfill Gas Evaluation
Closed Jackson County Municipal Solid Waste Landfill
Jackson County, North Carolina



Dear Mr. Poindexter:

This letter summarizes the landfill gas evaluation that The Fletcher Group conducted, on behalf of Jackson County, at the closed Municipal Solid Waste (MSW) landfill near the Town of Dillsboro.

BACKGROUND

Jackson County has conducted two types of landfill gas (LFG) monitoring at the closed MSW landfill near Dillsboro, North Carolina (Figure 1 shows the location of the closed landfill). The first program was initiated in approximately 1996 and is related to compliance with the landfill permit conditions. As such, it is a continuing effort. The second LFG program was initiated in January 1999 as part of a groundwater quality assessment. The field work portion of the latter program was completed with measurements obtained in March 2000.

On January 27, 1999 LFG was detected in concentrations greater than the Lower Explosive Limit (LEL) for methane at several locations on County property and in the groundwater monitoring well on property that, at the time, was owned by Western Builders. (*Note:* Jackson County subsequently purchased the property from Western Builders.) LFG concentrations were also measured in ambient air approximately eight inches above the well head. As shown in the following table, the concentration of LFG at this location was eight percent of the LEL; a concentration that is well below the explosive range.

Between March 15 and 19, 1999, The Fletcher Group oversaw installation of LFG probes in 18 locations near the landfill. Figure 2 shows the location of the monitoring wells and gas probes. These probes were installed as part of the effort to characterize groundwater quality in the vicinity of landfill. LFG concentrations were measured in each of the probes monthly between installation and March 2000. Gas probes 16s and 16d, located west of the landfill area where the county discards inert debris, were damaged during the first quarter of 2000 and were not included in subsequent monitoring.

Jackson County awarded a contract to McGill Associates (McGill) of Asheville, North Carolina on March 24, 1999 for construction of additional LFG control structures. These structures were installed between March 29 and April 9, 1999. The attached tables and graphs include all of the data collected by The Fletcher Group from the five monitoring wells and the twenty-five gas probe locations. A vertical line on the graphs indicates when the LFG control structures were installed.



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To: Mark Poindexter **From:** Jim McElduff

Fax: 919 733 4810 **Pages:**

Phone: 919 733 0692; x261 **Date:** September 26, 2000

Re: Jackson County LFG Trenches **CC:** Jay Denton - Jackson County Manager

Urgent For Review Please Comment Please Reply Please Recycle

● **Comments:**

Dear Mr. Poindexter:

A letter dated July 24, 2000 from the Fletcher Group to DENR, summarized information related to the construction of landfill gas (LFG) collection trenches at the closed Jackson County landfill in Dillsboro. The text contained an error.

On page 2 (paragraph 1) of the text, we mistakenly reported the total trench length as 935-feet. As shown in the table following paragraph 2, the actual total trench length is 1,175-feet.

After our telephone conversation this morning, I verified the total by reviewing a "Methane Gas Venting Site Plan" (Sheet 1 of 2) prepared by McGill Associates in February 1999. McGill Associates designed the trenches and managed the installation that was conducted by Taylor & Murphy.

If you would like additional information, please call me.

Thank you for your assistance with this project.

A handwritten signature in black ink, appearing to read "Jim McElduff", is written over a horizontal line. The signature is stylized and cursive.

FINDINGS

Landfill Gas Collector Trenches

According to design drawings provided by McGill, approximately 935-feet of LFG collection trench was installed at the landfill. The trenches were installed by Taylor-Murphy Construction Company, under a subcontract to McGill. The design drawings state that the collection trenches would be installed to a depth of 6.5-feet below grade, which would be 4.0-feet into existing waste material.

The trenches designed by McGill were to be installed upgradient of the following LFG monitoring points:

<i>LFG Trench Length (feet)</i>	<i>Downgradient Monitoring Points</i>
240	MW-1, GP-2
250	GP-3
200	GP-5
185	MW-5, GP-15s, GP-15d
100	MW-4, GP-6
200	MW-3, GP-7

Total 1175'

Landfill Gas Measurements

LFG measurements recorded by The Fletcher Group were obtained using a Landtec landfill gas meter (Model GA-90). The meter measures methane, oxygen, carbon dioxide, and combustible gases (as a percentage of the Lower Explosive Limit). Initially, the LFG evaluation included fitting five groundwater monitoring wells and nine gas probes with specially constructed PVC caps that allow measurement of gas concentrations without mixing the gas with ambient air. The method used by The Fletcher Group was developed by the Solid Waste Association of North America (SWANA). In addition, two other points were monitored during January: the groundwater monitoring well located on the Western Builders property and one offsite spring located north of the landfill. The LFG measurements obtained during the initial evaluation, as well as those collected subsequently, are summarized in the attached tables and graphs.

The data reveal several critical points:

- The methane concentration in four monitoring points (MW-3, MW-4, GP-2, GP-5) has been consistently greater than 100 percent of the Lower Explosive Level (LEL).
- The methane concentration in six monitoring points (MW-1, GP-1, GP-3, GP-6, GP-15s, GP-15d) has been sporadically greater than the LEL. Of these, the first four contained atypically lower concentrations of methane in the fall.
- Six monitoring points (MW-1, GP-1, GP-3, GP-5, GP-6, GP-15s) demonstrated generally decreasing concentrations of methane throughout the monitoring period.
- Eight of the monitoring points with a methane gas concentration greater than 100 percent of the LEL in March 2000 are either property boundary monitoring points or located offsite. These monitoring points are MW-1, MW-4, GP-1, GP-2, GP-3, GP-5, GP-15s, and GP-15d. (*Note:* Methane in MW-5 was measured at a concentration of 5.2 percent methane on March 1, 2000. The precision of the LFG meter and the fact that methane had never been previously recorded at a

concentration greater than 1.2 percent in this well leads The Fletcher Group to excluding MW-5 from this list.)

- Three of the monitoring points with methane concentrations above 100 percent of the LEL demonstrated a decreasing gas concentration trend. These monitoring points are GP-15s, GP-15d, and GP-16s.
- None of the monitoring points indicated a trend of increasing methane concentrations.

CONCLUSIONS

Northwest Perimeter (along Fowler, Conner, and Wilkie property line)

- Although exceedances of the LEL have been observed in MW-1 and GP-2, the absence of significant detections at GP-11 suggests that there are no LFG-related risks to residents on the Conner and Wilkie properties.
- The magnitude and frequency of LEL exceedances in GP-1 do not indicate that residents of the Fowler property are at risk from LFG. Due to the generally decreasing trend in LFG concentrations in the vicinity of GP-1, active collection of gas should not be undertaken without first evaluating additional data.
- Active collection of LFG in the vicinity of MW-1 and GP-2 may be warranted.

Northeast Perimeter (along Wilkey property line)

- Although exceedances of the LEL have been observed in GP-3, the absence of significant detections at GP-12 suggests that there are no LFG-related risks to residents on the Wilkey property.
- Due to the generally decreasing trend in LFG concentrations in the vicinity of GP-3, active collection of gas should not be undertaken without first evaluating additional data.

East Perimeter (along landfill entrance road)

- Significant trends of decreasing LFG concentrations were observed in GP-5 and GP-15S.
- To ensure public safety, LFG should be monitored in the vicinity of Webster Enterprises and in buildings owned by Jackson County (formerly owned by Western Builders).
- Due to the generally decreasing trend in LFG concentrations in the vicinity of GP-5, active collection of gas should not be undertaken without first evaluating additional data.
- LFG concentrations in property line monitoring points GP-14S and 14D were nearly nondetectable throughout the monitoring period. Due to the decreasing concentrations of LFG in GP-15S and the absence of at-risk buildings in the area, active collection of LFG east of the intersection of S.R. 1539 and Old US 441 should be deferred until additional data can be evaluated.

West Perimeter (along Tuckasegee River)

- Only one property line monitoring point (MW-4) contained excessive concentrations of LFG. Additionally, in the nearby GP-6, concentrations were observed to be generally decreasing. As a result, active collection of LFG in this vicinity should be deferred until after additional data can be evaluated.

RECOMMENDATIONS

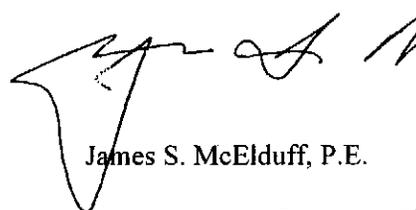
Jackson County will conduct the following activities:

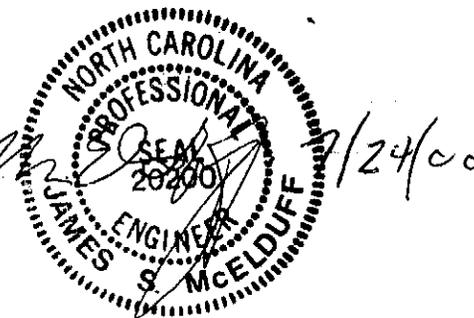
- Continued monthly monitoring at all of the monitoring points referenced in this report for one additional year.
- Design a pilot study for evaluation of active gas removal in the area near MW-1 and GP-2.
- Conduct the pilot study to determine the most effective means of active gas collection in this area.
- Design an active gas collection system, as appropriate.

Mr. Poindexter, thank you for your assistance with this project. If you have any questions regarding the LFG data, please call me.

Sincerely,

The Fletcher Group, Inc.

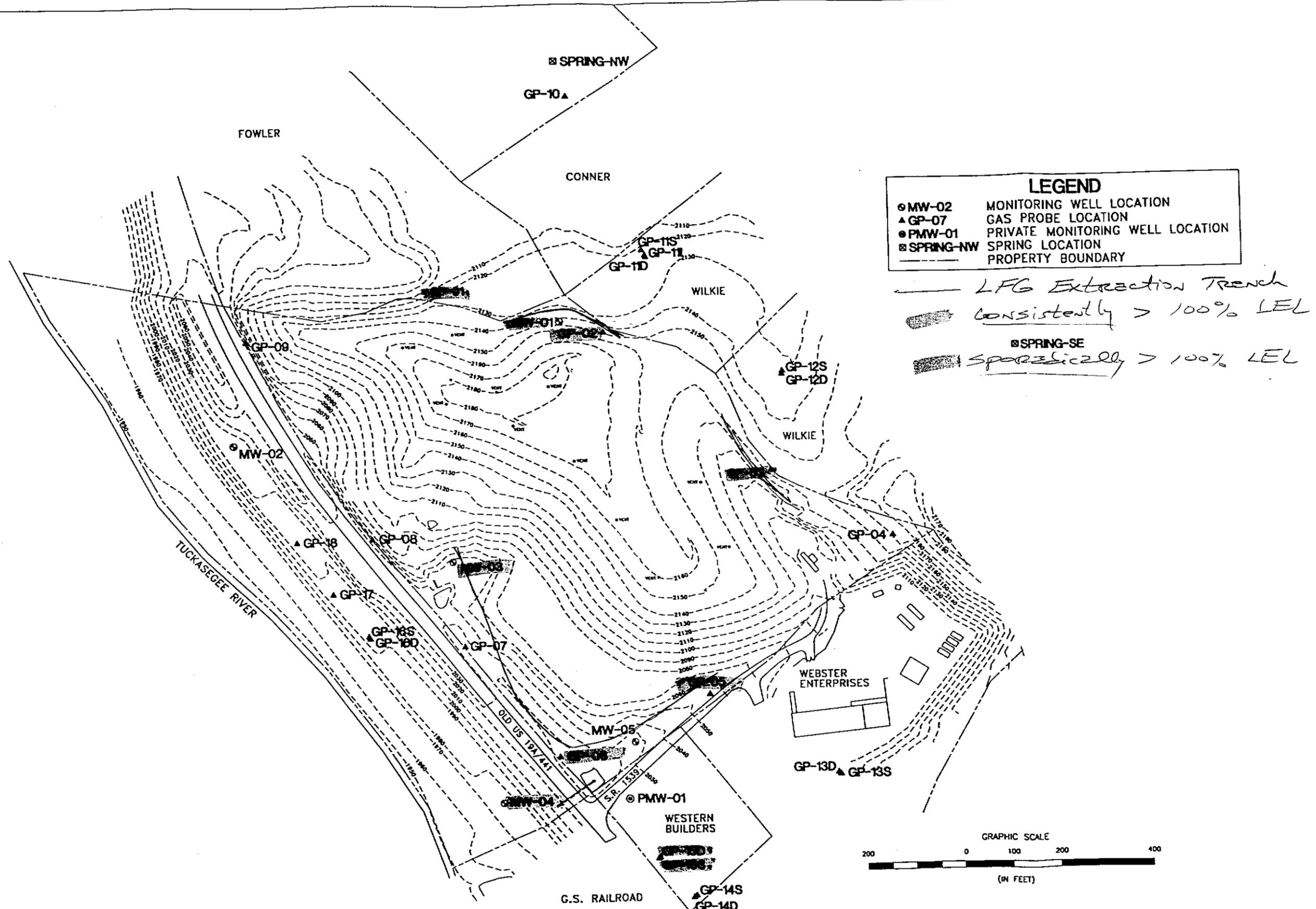

James S. McElduff, P.E.



attachments: Figure 1 - Site Location Map
Figure 2 - Monitoring well and Gas Probe Location Map
Tabulated Landfill Gas Data and Graphs

cc: Mr. Jay Denton/Jackson County

FIGURES



NOTES:
 1. TOPOGRAPHY IS FOR REPRESENTATIVE PURPOSES ONLY AND NOT FOR CONSTRUCTION. THIS TOPOGRAPHY WAS OBTAINED FROM MCGILL ASSOCIATES AND IS BASED ON A COMPILATION OF AN AERIAL SURVEY AND SEVERAL LAND SURVEYS.

THE FLETCHER GROUP
 Engineering and Environmental Solutions
 ASHEVILLE, NORTH CAROLINA

FIGURE 2
 MONITORING WELL AND GAS PROBE LOCATION MAP
 JACKSON COUNTY LANDFILL
 JACKSON COUNTY, NORTH CAROLINA

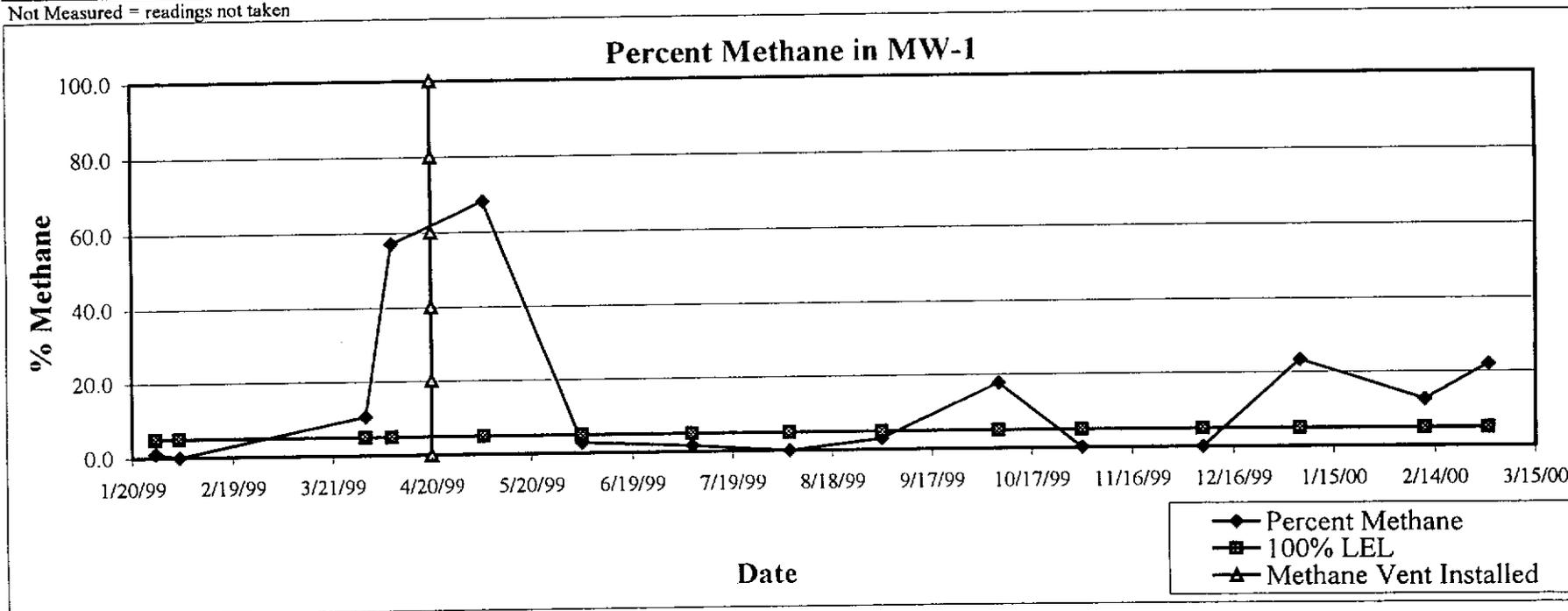
TABLES

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SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter % LEL	% Methane	% CO2	% O2	Probe Pressure /Vacuum ("H2O)	Notes
MW-1	1/27/99	11:50	24	1.1	1.4	20.4	Not measured	
	2/3/99	14:45	0	0.0	0.0	20.4	Not measured	No cap due to pumping test
	3/25/99	11:35						Needs pressure cap
	3/31/99	14:10	210	10.5	7.8	17.2	0.13	Pressure cap installed, Readings recorded at 180 seconds, DTW = 94.60' TOC
	4/8/99	10:00	>1000 @ 26 seconds	Peaked @ 65.0 @ 60 seconds 57.0 @ 180 seconds	39.1	5.5	0.11	Readings recorded at 180 seconds
	5/6/99	9:45	>1000 @ 30 seconds	68.0	32.0	6.3	0.00	Readings recorded at 180 seconds
	6/4/99	8:55	58	2.9	1.9	19.5	0.00	Readings recorded at 180 seconds
	7/7/99	9:45	34	1.7	1.1	20.2	0.00	Readings recorded at 180 seconds
	8/5/99	9:00	0	0.0	0.0	20.5	-0.02	Readings recorded after 2 purge volumes, DTW = 92.82 ft @ 11:15
	9/2/99	12:25	60	3.0	2.0	19.1	0.10	Readings recorded after 2 purge volumes, DTW = 92.70 ft
	10/7/99	9:40	352	17.6	13.2	14.0	0.06	Readings recorded after 2 purge volumes
	11/1/99	11:40	2	0.1	0.3	21.0	0.15	Readings recorded after 2 purge volumes
	12/7/99	10:00	0	0.0	0.0	19.8	0.03	Readings recorded after 2 purge volumes
	1/5/00	13:15	466	23.3	15.5	12.9	0.12	Readings recorded after 2 purge volumes
	2/11/00	9:50	250	12.5	8.0	16.3	0.10	Readings recorded after 2 purge volumes
	3/1/00	9:35	Peaked @ 600 @ 30 seconds, 440 stable	22.0	14.0	15.1	0.50	Readings recorded after 2 purge volumes

Not Measured = readings not taken

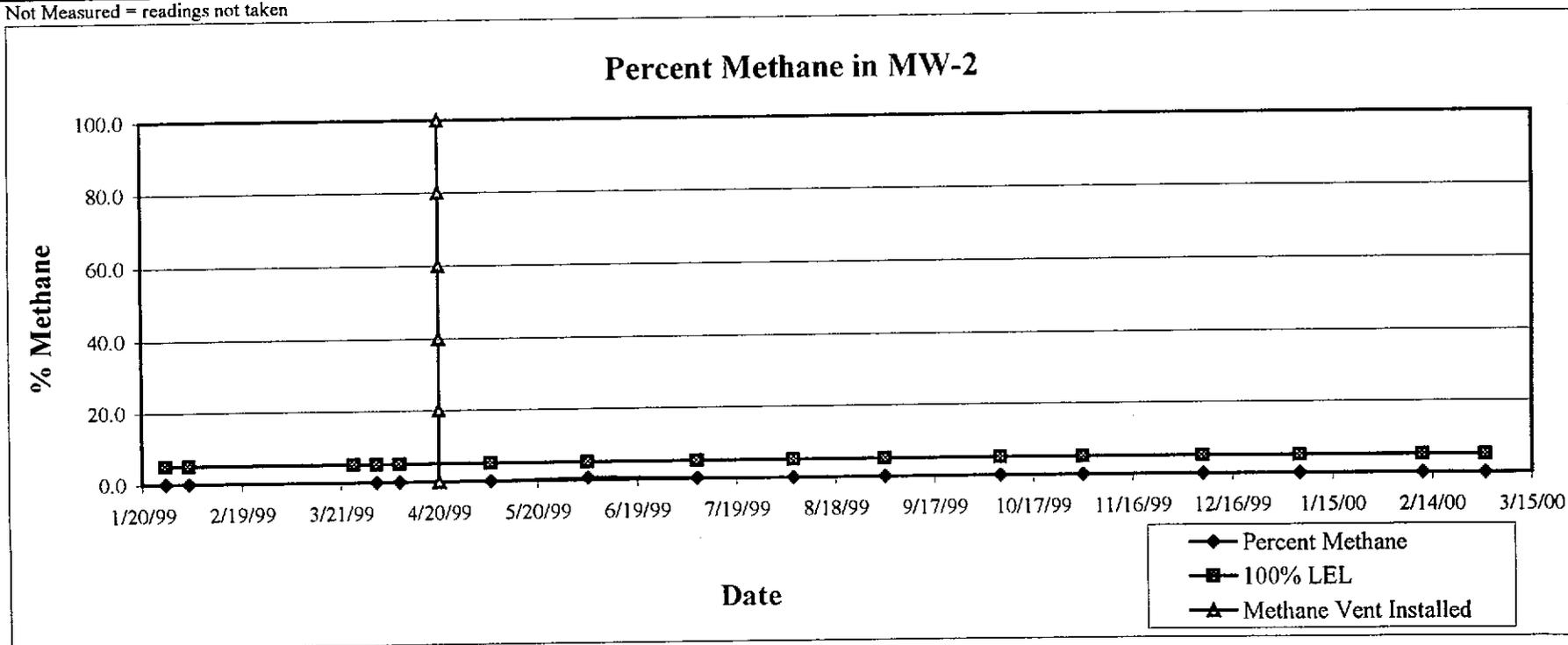


JACKSON COUNTY LANDFILL

SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
MW-2	1/27/99	16:30	0		0.0	0.0	20.8	Not measured	
	2/3/99	13:46	0		0.0	0.0	19.8	Not measured	
	3/25/99	13:16							Needs pressure cap
	4/1/99	10:30	Did not record		0.0	0.0	20.6	0.65	Pressure cap installed (3/31/99), Readings stable at 120 seconds, DTW = 25.70' TOC
	4/8/99	14:20	Did not record		0.0	0.0	20.6	-0.01	Slight vacuum--readings recorded at 180 seconds
	5/6/99	14:20	Did not record		0.0	0.4	19.9	0.00	Readings recorded at 180 seconds
	6/4/99	12:25	12		0.6	0.4	20.0	0.00	Readings recorded at 180 seconds
	7/7/99	13:40	4		0.2	0.3	20.9	0.00	Readings recorded at 180 seconds
	8/5/99	13:50	0		0.0	0.1	20.9	0.03	Readings recorded after 2 purge volumes, DTW = 26.33 ft @ 15:25
	9/2/99	-	-	-	-	-	-	-	Not Measured, water above screen, DTW=26.83 ft
	10/7/99	-	-	-	-	-	-	-	Not Measured, water above screen
	11/1/99	-	-	-	-	-	-	-	Not Measured, water above screen
	12/7/99	-	-	-	-	-	-	-	Not Measured, water above screen
	1/5/00	-	-	-	-	-	-	-	Not Measured, water above screen
	2/11/00	-	-	-	-	-	-	-	Not measured, water above screen
	3/1/00	-	-	-	-	-	-	-	Not measured, water above screen

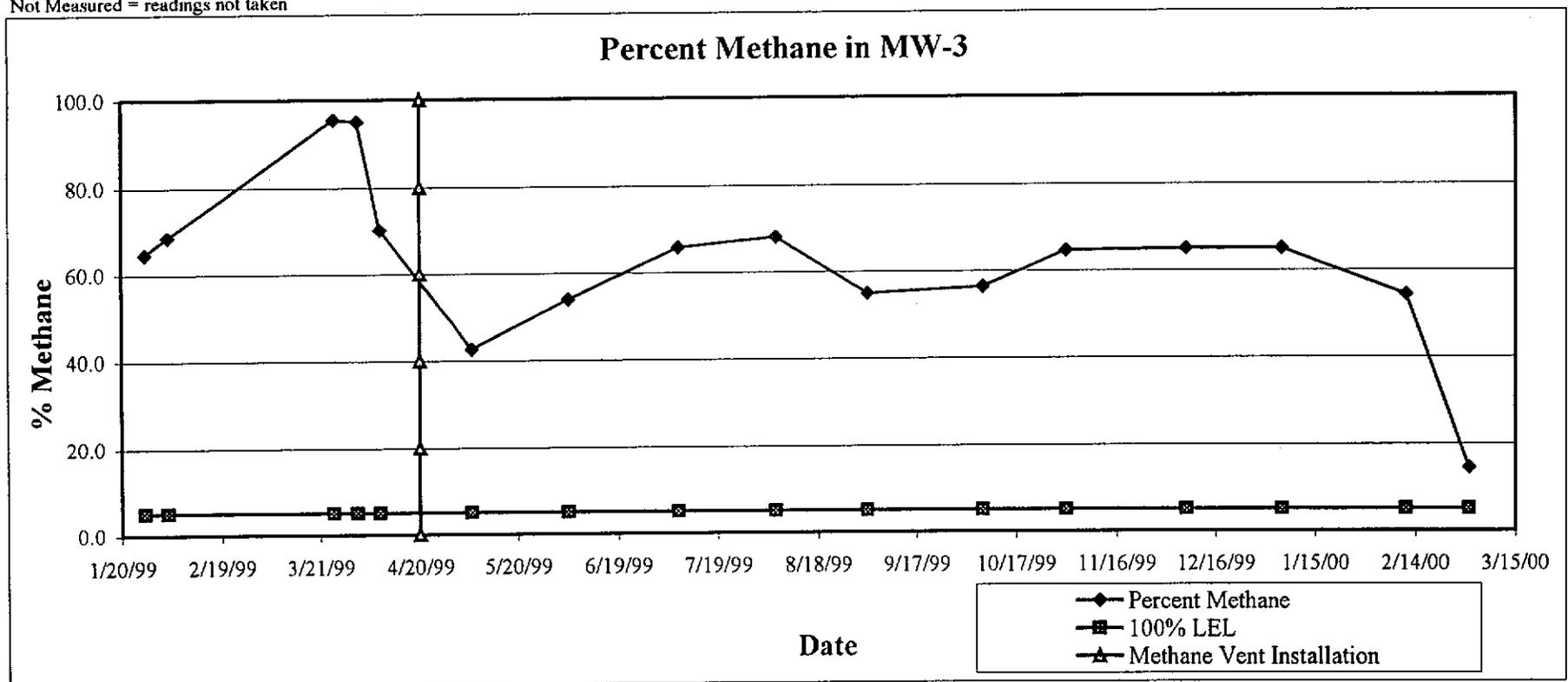
Not Measured = readings not taken



JACKSON COUNTY, IDAHO
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum (H ₂ O)	Notes
MW-3	1/27/99	16:10	>1000		64.6	26.6	0.6	Not measured	
	2/3/99	13:53	>1000		68.5	27.7	0.0	Not measured	
	3/25/99	13:00	>1000 @ 15 seconds		95.4	33.1	0.9	0.23	High pressure - peak reading recorded at 24 seconds
	4/1/99	10:00	>1000 @ 20 seconds		95.0	34.9	0.2	0.15	Readings recorded at 180 seconds, DTW = 51.61' TOC
	4/8/99	13:50	>1000 @ 15 seconds		70.1	26.8	4.4	0.30	Readings recorded at 180 seconds
	5/6/99	13:50	850		42.5	15.9	7.2	0.15	Readings recorded at 180 seconds
	6/4/99	11:55	>1000 @ 23 seconds		54.0	21.2	3.9	0.14	Readings recorded at 180 seconds
	7/7/99	13:00	>1000 @ 60 seconds		65.7	23.9	3.0	0.25	Readings recorded at 180 seconds
	8/5/99	13:20	>1000 @ 35 seconds		68.0	24.9	1.0	0.20	Readings recorded after 2 purge volumes, DTW = 52.20 ft @ 15:30
	9/2/99	16:40	>1000 @ 22 seconds		55.0	20.4	2.9	0.19	Readings recorded after 2 purge volumes, DTW = 52.55 ft
	10/7/99	12:50	>1000 @ 36 seconds		56.4	22.9	2.8	0.20	Readings recorded after 2 purge volumes
	11/1/99	14:50	>1000 @ 25 seconds		64.6	25.6	0.9	0.26	Readings recorded after 2 purge volumes
	12/7/99	13:05	>1000 @ 20 seconds		65.0	25.6	1.6	0.25	Readings recorded after 2 purge volumes
	1/5/00	15:25	>1000 @ 36 seconds		64.9	27.0	0.7	0.12	Readings recorded after 2 purge volumes
	2/11/00	11:40	>1000 @ 30 seconds		54.3	23.5	2.4	0.12	Readings recorded after 2 purge volumes
	3/1/00	12:00	290		14.5	6.2	17.1	0.45	Readings recorded after 2 purge volumes

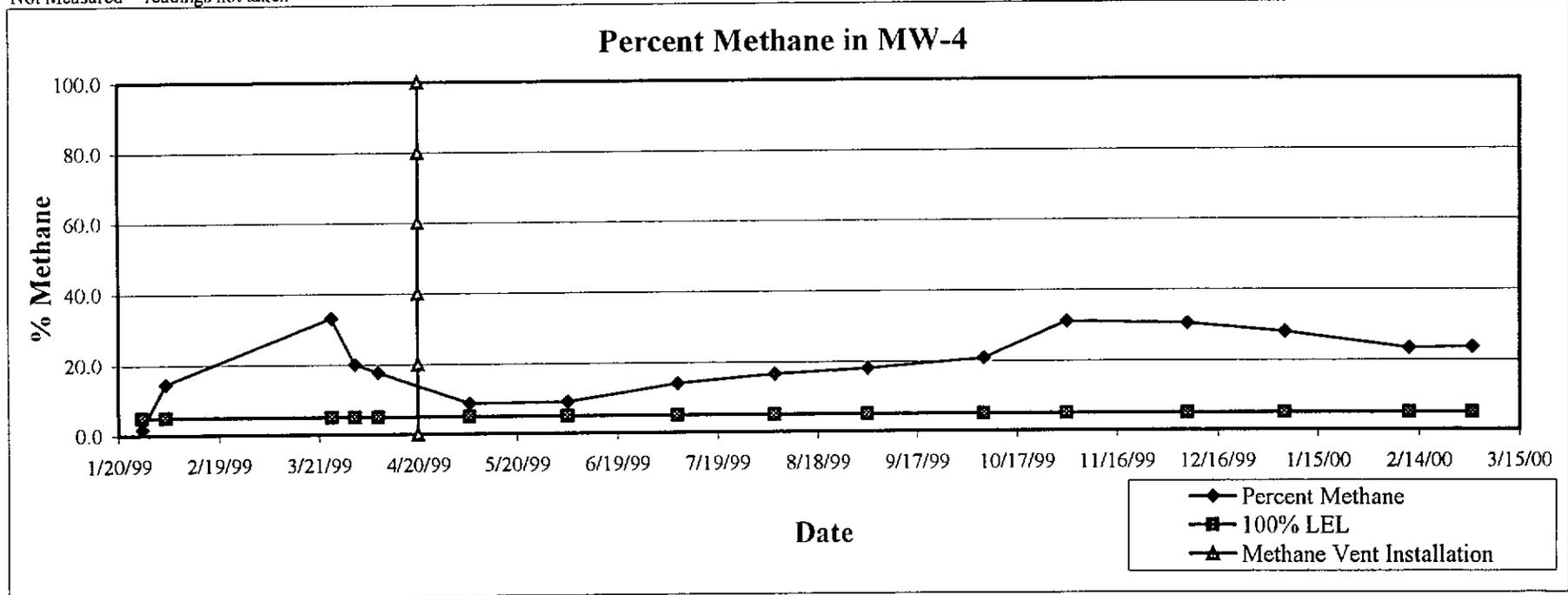
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
MW-4	1/27/99	16:35	34		1.7	2.4	19.5	Not measured	
	2/3/99	15:50	286		14.5	17.0	12.1	Not measured	
	3/25/99	14:05	748 @ 30 seconds, 680 steady		35.0 + @ 30 seconds - 33.0 +/- steady	40.8	4.6	0.02	Can watch pressure fluctuate - peak gas reading recorded at 30 seconds then drops
	4/1/99	11:15	400		20.0	27.9	9.6	0.30	Readings recorded at 180 seconds, DTW = 22.90' TOC
	4/8/99	15:10	Peaked @ 520 @ 40 seconds, 350 @ 180 seconds		17.7	23.4	11.4	0.00	Readings recorded at 180 seconds
	5/6/99	14:50	178		8.7	7.8	15.4	0.00	Readings recorded at 180 seconds
	6/4/99	12:55	180		9.0	8.0	15.3	0.00	Readings recorded at 180 seconds
	7/7/99	14:30	28		14.1	13.2	13.7	0.00	Readings recorded at 18.5 minutes
	8/5/99	14:30	330		16.5	13.4	13.3	0.00	Readings recorded after 2 purge volumes, DTW = 29.00 ft @ 15:50
	9/2/99	17:50	360		18.0	19.5	8.7	0.00	Readings recorded after 2 purge volumes, DTW = 29.71 ft
	10/7/99	13:45	414		20.7	22.1	9.0	0.00	Readings recorded after 2 purge volumes
	11/1/99	15:40	620		31.0	34.3	2.9	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:50	608		30.4	36.0	2.5	0.00	Readings recorded after 2 purge volumes
	1/5/00	16:05	560		28.0	30.0	3.2	0.00	Readings recorded after 2 purge volumes
	2/11/00	11:00	466		23.3	31.5	3.8	0.00	Readings recorded after 2 purge volumes
3/1/00	11:30	470		23.5	34	3.1	0.00	Readings recorded after 2 purge volumes	

Not Measured = readings not taken

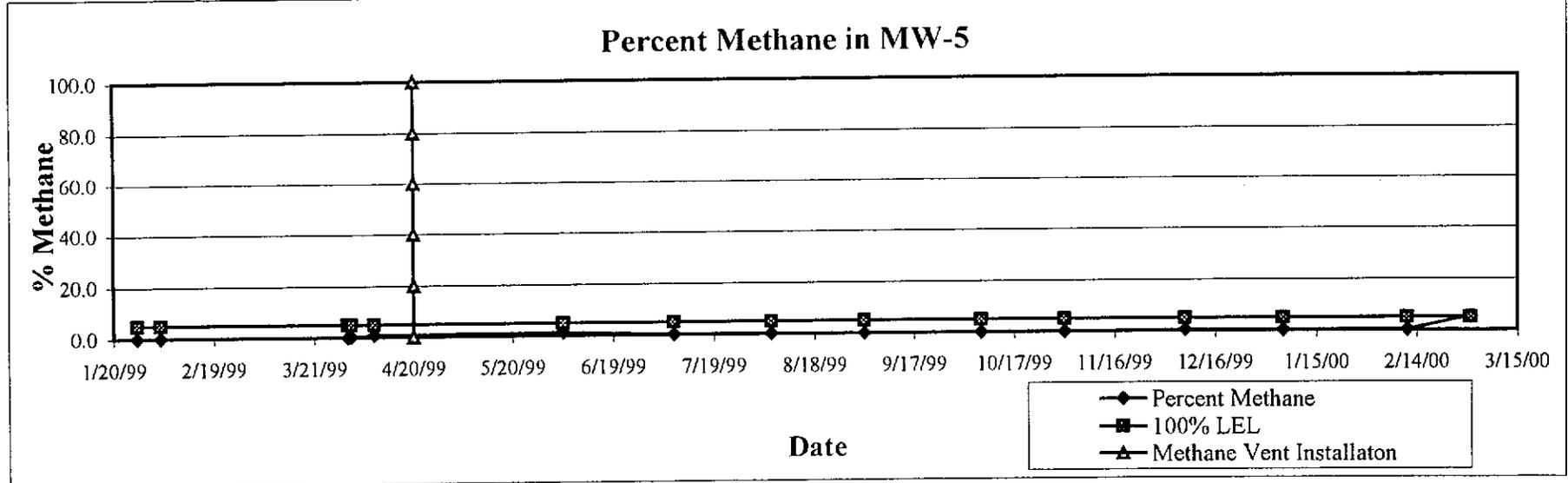


J KSC COUNTY ID#

SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter LEL	%	% Methane	% CO2	% O2	Probe Pressure / Vacuum	Notes
MW-5	1/27/99	15:40	2		0.1	0.2	20.3	Not measured	Screened entirely below the water table
	2/3/99	14:24	0		0.0	0.0	21.0	Not measured	
	3/25/99	14:20							Needs pressure cap, Did not check
	3/31/99	16:20	Peaked @ 66 @ 20 seconds		0.1	0.6	20.2	0.10	Pressure cap installed
	4/1/99	9:30	6.0		0.3	0.4	20.3	0.12	Readings recorded at 180 seconds, DTW = 48.24'
	4/8/99	12:40	16.0		0.8	0.5	20.0	0.16	Readings recorded at 180 seconds
	5/6/99	12:45	24.0		1.2	1.5	19.5	0.00	Readings recorded at 180 seconds
	6/4/99	10:55	Peaked @ 118 @ 20seconds, 24 @ 180 seconds		1.2	0.9	19.6	0.00	Readings recorded at 180 seconds
	7/7/99	12:10	4		0.2	0.0	20.7	0.02	Readings recorded at 180 seconds
	8/5/99	12:50	4		0.2	0.0	20.8	0.00	Readings recorded after 2 purge volumes, DTW = 48.22 ft @ 16:00
	9/2/99	15:20	0		0.0	0.0	19.9	0.01	Readings recorded after 2 purge volumes, DTW = 48.40 ft
	10/7/99	11:55	Peaked @ 4 @ 5 seconds		0.0	0.3	19.3	0.00	Readings recorded after 2 purge volumes
	11/1/99	13:45	0		0.0	0.0	21.1	0.00	Water above the screen
	12/7/99	12:15	8		0.4	0.1	19.1	0.00	Readings recorded after 2 purge volumes
	1/5/00	14:45	4		0.2	0.0	19.9	0.00	Readings recorded after 2 purge volumes
	2/11/00	10:25	6		0.3	0.1	20.0	0.00	Readings recorded after 2 purge volumes
3/1/00	10:50	Peaked @ 400, 104 stable		5.2	3.4	20.5	0.01	Readings recorded after 2 purge volumes	

Not Measured = readings not taken

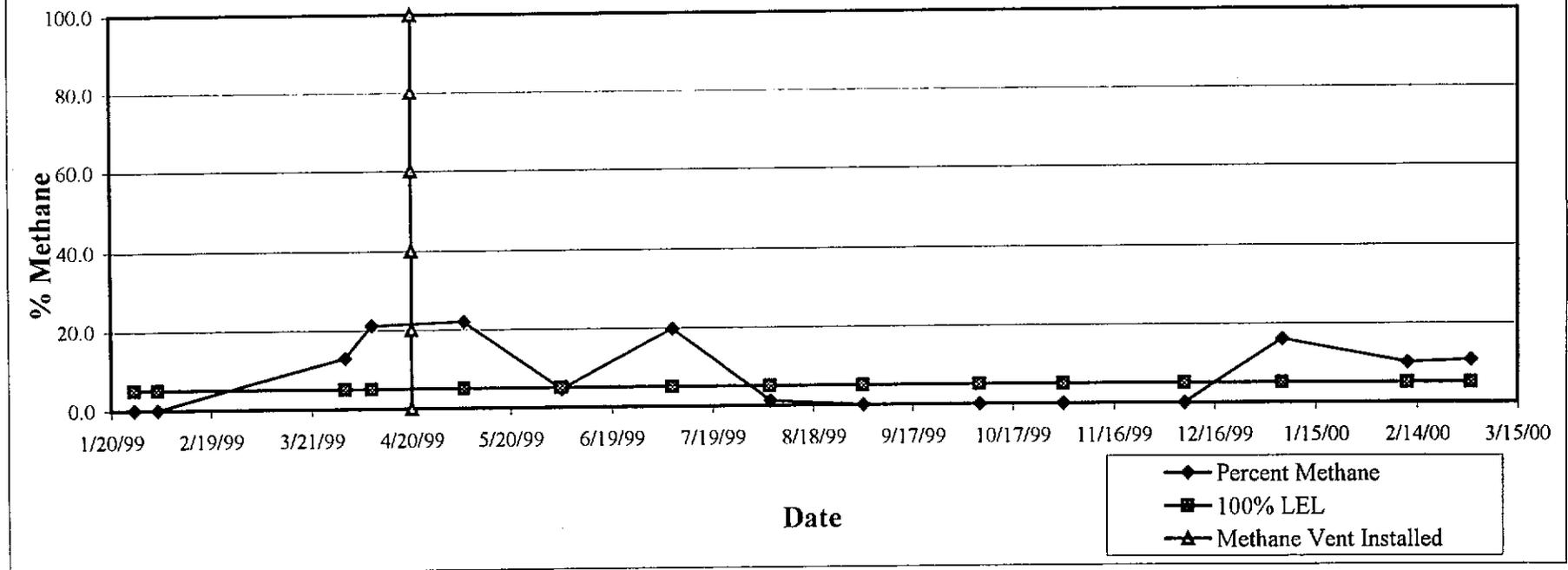


SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 1	1/27/99	14:20	0		0.0	8.4	3.1	Not measured	
	2/3/99	14:51	0		0.0	5.8	10.6	Not measured	
	3/25/99								Did not check
	3/31/99	11:44	246		12.8	15.5	0.0	0.00	Readings recorded @ 180 seconds, locked 3/31/99
	4/8/99	9:45	428		21.2	17.3	0.0	0.01	Readings recorded at 180 seconds
	5/6/99	9:30	440		22.0	18.0	0.0	0.00	Readings recorded at 180 seconds
	6/4/99	8:45	90		4.5	17.5	0.0	0.00	Readings recorded at 180 seconds
	7/7/99	9:30	396		19.8	25.1	0.3	0.00	Readings recorded at 180 seconds
	8/5/99	8:45	26		1.3	21.5	0.4	0.00	Readings recorded at 2 purge volumes
	9/2/99	12:15	0		0.0	9.2	11.9	0.00	Readings recorded at 2 purge volumes
	10/7/99	9:30	0		0.0	11.6	11.3	0.00	Readings recorded after 2 purge volumes
	11/1/99	11:30	0		0.0	11.2	11.6	0.00	Readings recorded after 2 purge volumes
	12/7/99	9:45	0		0.0	7.0	13.5	0.00	Readings recorded after 2 purge volumes
	1/5/00	13:00	16		0.8	1.3	21.0	0.00	Readings recorded after 2 purge volumes
	2/11/00	8:45	198		9.9	19.9	0.6	0	Readings recorded after 2 purge volumes
	3/1/00	9:30	212		10.6	21	0.2	0	Readings recorded after 2 purge volumes

Not Measured = readings not taken

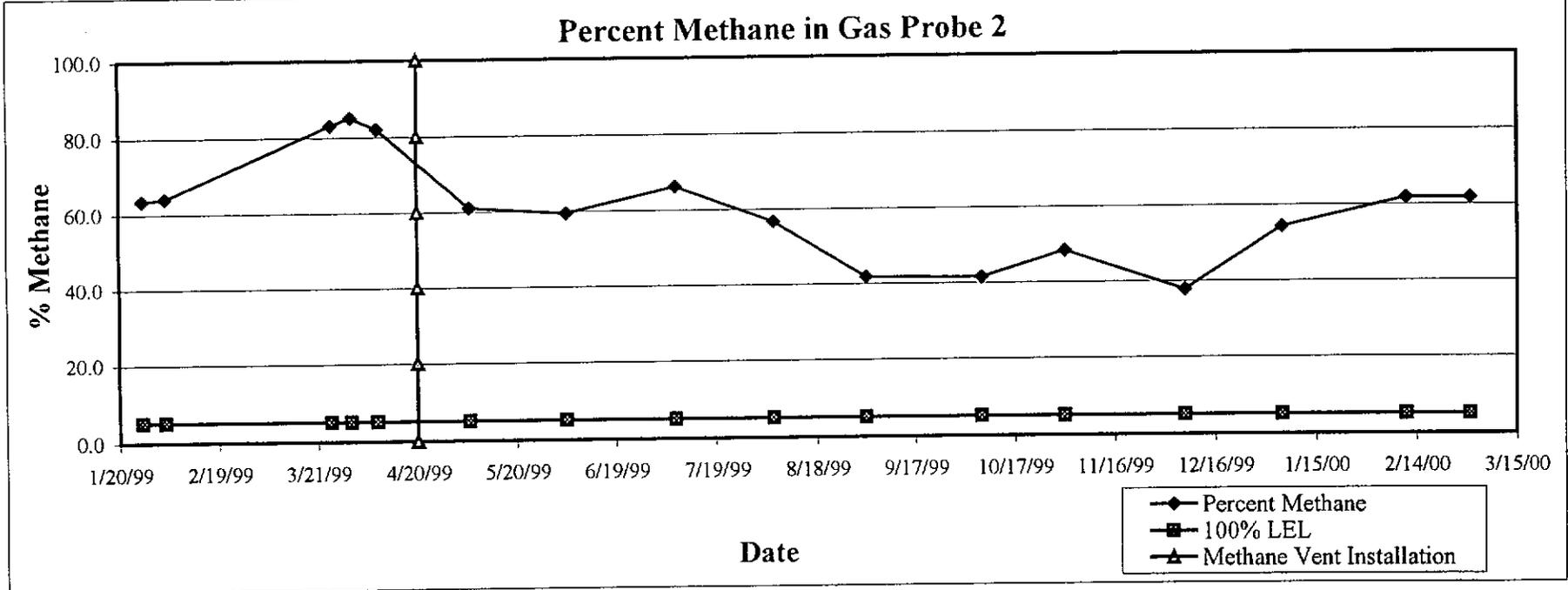
Percent Methane in Gas Probe 1



JACKSON COUNTY HEALTH DEPARTMENT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 2	1/27/99	14:50	>1000		63.5	39.8	0.0	Not measured	
	2/3/99	15:00	>1000		64.0	40.6	0.0	Not measured	
	3/25/99	11:42	>1000 @ 20 seconds		83.0	53.5	0.0	0.00	Peak at 40 seconds - then stable
	3/31/99	12:05	>1000 @ 18 seconds		85.0	55.6	0.0	0.00	Checked for vacuum, readings recorded at 180 seconds, locked on 3/31/99
	4/8/99	10:10	>1000 @ 25 seconds		82.0	58.0	0.0	0.00	Readings recorded at 180 seconds
	5/6/99	10:00	>1000 @ 40 seconds		61.0	44.7	0.0	0.00	Readings recorded at 180 seconds
	6/4/99	9:05	>1000 @ 23 seconds		59.4	42.3	0.0	0.00	Readings recorded at 180 seconds
	7/7/99	10:00	>1000 @ 70 seconds		66.3	33.6	0.2	0.00	Readings recorded at 180 seconds
	8/5/99	9:15	>1000 @ 42 seconds		56.7	39.9	0.0	0.00	Readings recorded after 2 purge volumes
	9/2/99	12:40	834		41.7	35.5	0.3	0.00	Readings recorded after 2 purge volumes
	10/7/99	10:00	828		41.4	35.2	0.2	0.00	Readings recorded after 2 purge volumes
	11/1/99	11:50	980		48.4	37.0	0.0	0.00	Readings recorded after 2 purge volumes
	12/7/99	10:15	752		37.6	23.9	6.3	0.00	Readings recorded after 2 purge volumes
	1/5/00	13:30	>1000 @ 24 seconds		54.2	39.0	0.7	0.00	Readings recorded after 2 purge volumes
	2/11/00	9:05	>1000 @ 25 seconds		61.7	37.8	0.5	0.00	Readings recorded after 2 purge volumes
3/1/00	9:40	>1000 @ 32 seconds		61.7	40.2	1.7	0.01	Readings recorded after 2 purge volumes	

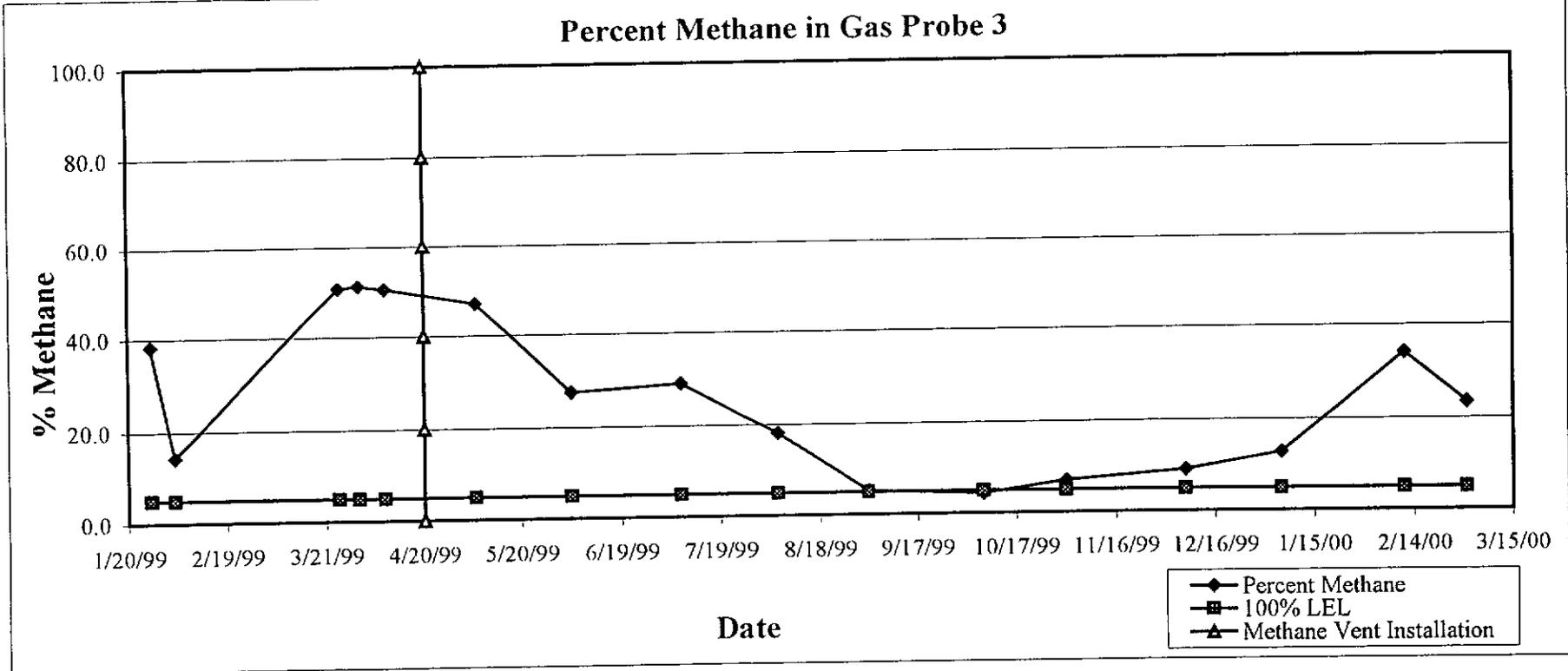
Not Measured = readings not taken



JACKSON COUNTY WELLS
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 3	1/27/99	15:00	766		38.2	29.8	0.0	Not measured	
	2/3/99	15:07	282		14.2	9.5	13.8	Not measured	
	3/25/99	11:53	>1000 @ 60 seconds		50.7	41.0	1.1	-0.02	Vacuum - peak @ 70 seconds - then stable
	3/31/99	12:20	>1000 @ 48 seconds		Peaked @ 53.5 @ 110 seconds, 51.2 @ 180	37.6	1.9	0.00	Readings recorded at 180 seconds, Locked on 3/31/99
	4/8/99	10:20	>1000 @ 40 seconds		50.4	40.8	2.0	0.10	Readings recorded at 180 seconds
	5/6/99	10:15	940		47.0	36.5	0.0	0.00	Readings recorded at 180 seconds
	6/4/99	9:15	550		27.5	28.6	2.6	0.00	Readings recorded at 180 seconds
	7/7/99	10:10	580		29.0	32.4	2.0	0.00	Readings recorded at 180 seconds
	8/5/99	9:30	362		18.1	26.1	2.5	0.00	Readings recorded after 2 purge volumes
	9/2/99	12:50	104		5.2	18.7	4.4	0.00	Readings recorded after 2 purge volumes
	10/7/99	10:10	88		4.4	17.6	5.9	0.00	Readings recorded after 2 purge volumes
	11/1/99	12:00	142		7.1	20.1	3.9	0.00	Readings recorded after 2 purge volumes
	12/7/99	10:30	182		9.1	13.9	8.9	0.00	Readings recorded after 2 purge volumes
	1/5/00	13:40	256		12.8	22.3	3.8	0.00	Readings recorded after 2 purge volumes
	2/11/00	9:10	680		34.0	27.6	1.7	0.00	Readings recorded after 2 purge volumes
	3/1/00	9:45	470		23.5	19.5	9.2	0.00	Readings recorded after 2 purge volumes

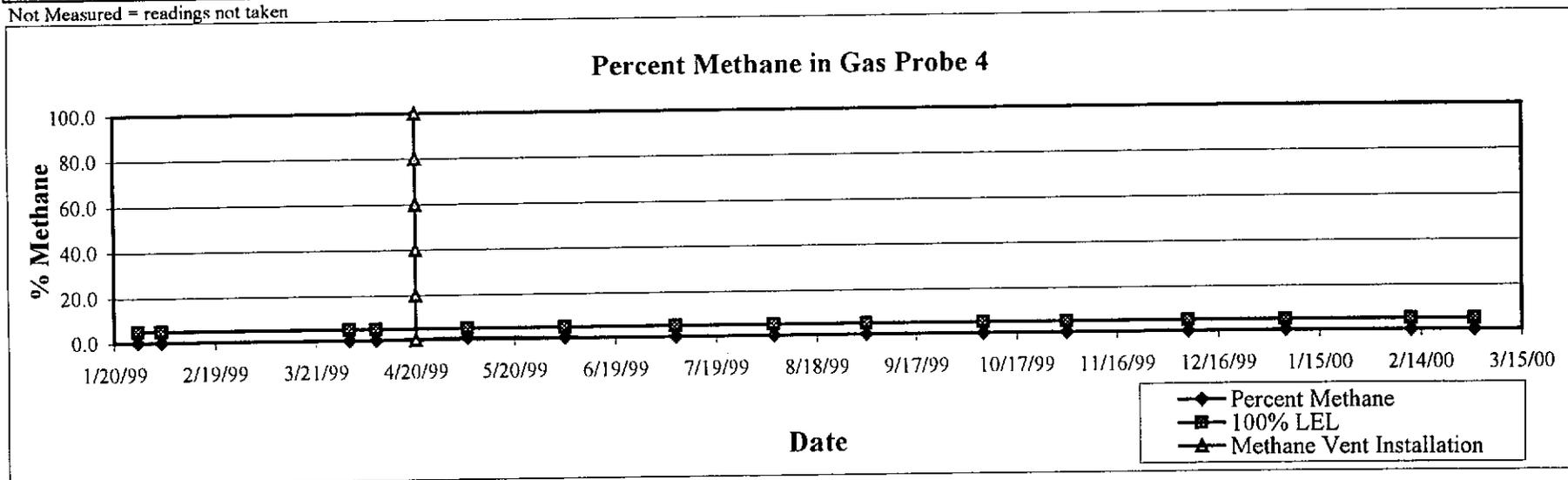
Not Measured = readings not taken



JACKSON COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes	
Gas Probe 4	1/27/99	15:10	0		0.0	0.5	20.0	Not measured		
	2/3/99	15:15	0		0.0	0.6	19.8	Not measured		
	3/25/99								Did not check	
	3/31/99	12:35	Did not record		1.8 @ 20 seconds 0.0 @ 160 seconds	0.6	20.6	0.00	Reading recorded at 160 seconds	
	4/8/99	10:30	Peaked @ 34 @ 20 seconds		0.0	0.9	19.7	0.00	Readings recorded at 180 seconds	
	5/6/99	10:30	16.0		0.8	1.1	9.2	0.00	Readings recorded at 180 seconds	
	6/4/99	9:25	Peaked @ 24 @ 20 seconds, 6 @ 180 seconds		0.3	1.1	19.4	0.00	Readings recorded at 180 seconds	
	7/7/99	10:20	2		0.1	1.8	18.7	0.00	Readings recorded at 180 seconds	
	8/5/99	9:45	2		0.1	1.3	19.7	0.00	Readings recorded after 2 purge volumes	
	9/2/99	13:00	0		0.0	0.5	19.3	0.00	Readings recorded after 2 purge volumes	
	10/7/99	10:20	Peaked @ 6 @ 15 seconds		0.0	0.8	19.3	0.00	Readings recorded after 2 purge volumes	
	11/1/99	12:10	Peaked @ 20 @ 30 seconds		0.0	0.9	20.7	0.00	Readings recorded after 2 purge volumes	
		12/7/99	10:40	Peaked @ 46 @ 20 seconds		0.0	0.5	19.3	0.00	Readings recorded after 2 purge volumes
		1/5/00	13:45	6		0.3	0.6	19.5	0.00	Readings recorded after 2 purge volumes
	2/11/00	9:15	Peaked @ 84 @ 25 seconds		0	0.3	19.5	0.00	Readings recorded after 2 purge volumes	
	3/1/00	9:50	Peaked @ 80 @ 30 seconds, 0 stable		0	0.9	22.1	0.00	Readings recorded after 2 purge volumes	

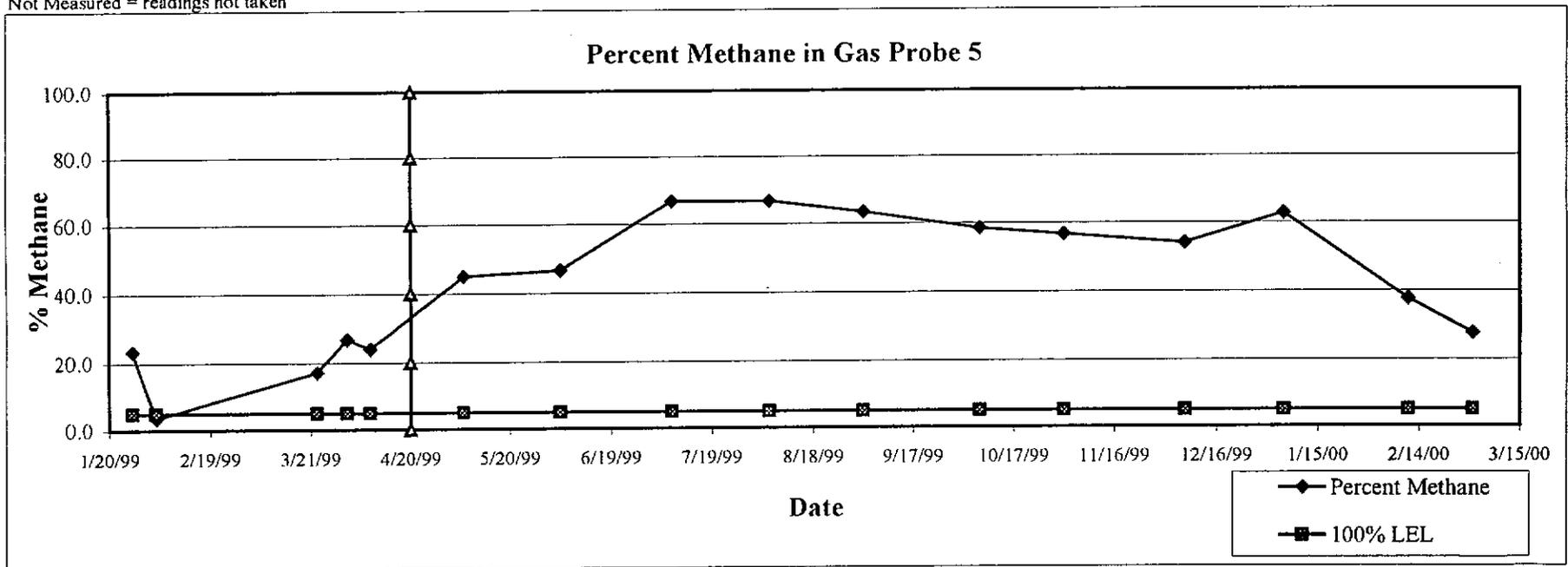
Not Measured = readings not taken



JACKSON COUNTY HEALTH DEPARTMENT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 5	1/27/99	15:20	480		23.3	6.4	4.7	Not measured	
	2/3/99	14:27	50		3.4	0.7	19.0	Not measured	
	3/23/99	16:00	386		19.1 / 17.0	5.0	7.1	Did not check	50 seconds peak / steady
	3/25/99	15:25						-0.24	Strong vacuum
	3/31/99	15:15	Did not record					-0.90	Strong vacuum
	4/1/99	9:00	536		26.7	7.2	2.7	2.00	Readings recorded at 180 seconds
	4/8/99	12:30	484		24.0	8.8	0.4	-0.26	Vacuum - readings recorded at 180 seconds
	5/6/99	12:35	900		45.0	11.2	0.0	>5.000	Pressure, readings recorded at 180 seconds
	6/4/99	10:45	920		46.6	12.4	0.9	2.50	Pressure, readings recorded at 180seconds
	7/7/99	12:00	>1000 @ 60 seconds		66.6	15.5	0.3	>5.0	Pressure, readings recorded at 180 seconds
	8/5/99	12:00	>1000 @ 30 seconds		66.5	16.9	0.1	0.04	Readings recorded after 2 purge volumes
	9/2/99	15:15	>1000 @ 28 seconds		63.2	25.4	0.4	0.05	Readings recorded after 2 purge volumes
	10/7/99	11:45	>1000 @ 25 seconds		58.4	22.9	0.0	-0.26	Readings recorded after 2 purge volumes
	11/1/99	13:30	> 1000 @ 20 seconds		56.5	19.3	0.2	0.00	Readings recorded after 2 purge volumes
	12/7/99	12:00	>1000 @ 22 seconds		54.0	0.7	0.0	2.00	Readings recorded after 2 purge volumes
	1/5/00	14:40	>1000 @ 44 seconds		62.7	12.4	0.0	2.50	Readings recorded after 2 purge volumes
	2/11/00	10:15	750		37.5	4.9	4.3	0.06	Readings recorded after 2 purge volumes
3/1/00	10:45	550		27.5	6.7	0.4	0.50	Readings recorded after 2 purge volumes	

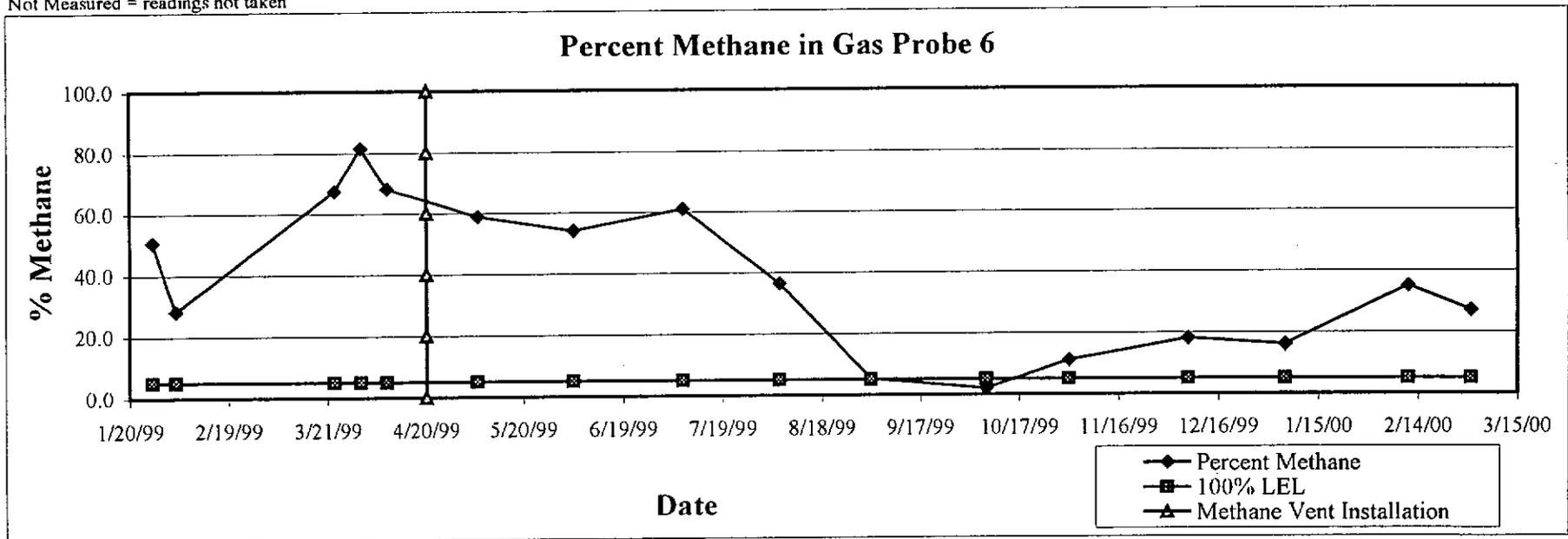
Not Measured = readings not taken



JACKSON COUNTY HEALTH DEPARTMENT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 6	1/27/99	16:00	>1000		50.5	25.2	1.9	Not measured	
	2/3/99	14:07	562		28.1	23.1	1.7	Not measured	
	3/23/99	16:17	>1000 @ 19 seconds		67.2	42.9	0.9	Not measured	Over 1000% LEL in 19 seconds - peak reading recorded at 60 seconds
	3/25/99	15:55						0.00	GP-6 checked twice - no pressure or vacuum
	3/31/99	16:10	>1000 @ 26 seconds		81.4	37.7	0.1	0.00	Readings recorded at 180 seconds
	4/8/99	12:50	>1000 @ 20 seconds		67.8	44.0	0.1	0.00	Readings recorded at 180 seconds
	5/6/99	12:50	>1000 @ 36 seconds		58.6	34.4	0.0	0.00	Readings recorded at 180 seconds
	6/4/99	11:05	>1000 @ 37 seconds		54.0	33.1	0.0	0.00	Readings recorded at 180 seconds
	7/7/99	12:20	>1000 @ 60 seconds		60.8	38.8	0.2	0.00	Readings recorded at 180 seconds
	8/5/99	13:00	728		36.4	30.7	0.2	0.00	Readings recorded after 2 purge volumes
	9/2/99	15:30	104		5.2	17.6	3.3	0.00	Readings recorded after 2 purge volumes
	10/7/99	12:00	38		1.9	15.4	5.3	0.00	Readings recorded after 2 purge volumes
	11/1/99	13:55	224		11.2	19.9	0.1	0.00	Readings recorded after 2 purge volumes
	12/7/99	12:25	362		18.1	22.8	0.0	0.00	Readings recorded after 2 purge volumes
	1/5/00	14:50	320		16.0	23.1	1.7	0.00	Readings recorded after 2 purge volumes
	2/11/00	10:30	700		35.0	23.8	1.4	0.00	Readings recorded after 2 purge volumes
3/1/00	11:00	540		27.0	17.6	7.5	0.00	Readings recorded after 2 purge volumes	

Not Measured = readings not taken

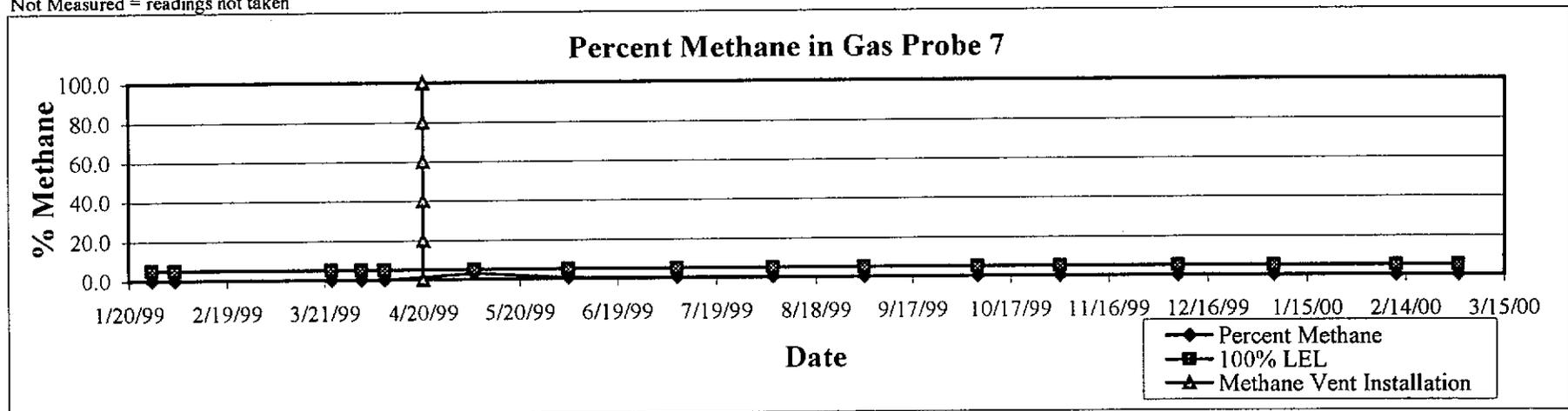


JACKSON COUNTY DEFENSE

SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 7	1/27/99	16:05	0		0.0	0.9	19.8	Not measured	
	2/3/99	14:00	0		0.0	1.0	18.6	Not measured	
	3/23/99	16:08	Did not record		0.0	2.2	18.5	Not measured	Steady at 60 seconds
	3/25/99							0.00	No pressure or vacuum
	4/1/99	9:45	Did not record		0.0	0.20 Peak, 0.00 stable	20.5	0.00	Readings recorded at 120 seconds
	4/8/99	13:40	Peaked @ 6 @ 20 seconds		0.0	3.8	16.2	0.00	Readings recorded at 180 seconds
	5/6/99	13:40	Peaked @ 60 @ 20 seconds		3.0	0.0	19.5	0.06	Readings recorded at 180 seconds
	6/4/99	11:45	14		0.7	5.8	13.0	0.00	Readings recorded at 180 seconds
	7/7/99	13:10	6		0.3	7.6	13.2	0.00	Readings recorded at 180 seconds
	8/5/99	13:10	6		0.3	9.9	11.5	0.00	Readings recorded after 2 purge volumes
	9/2/99	16:30	Peaked @ 18 @ 25 secs, 0 @ 204 seconds		0.0	6.7	13.6	0.00	Readings recorded after 2 purge volumes
	10/7/99	12:40	Peaked @ 12 @ 25 seconds		0.0	7.7	13.0	0.00	Readings recorded after 2 purge volumes
	11/1/99	14:30	2		0.1	6.4	14.9	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:10	Peaked @ 56 @ 20 seconds		0.0	1.7	18.8	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:20	0		0.0	0.0	20.1	0.00	Readings recorded after 2 purge volumes
2/11/00	11:50	0		0.0	1.0	18	0.00	Readings recorded after 2 purge volumes	
3/1/00	12:05	0		0.0	0.5	21.6	0.00	Readings recorded after 2 purge volumes	

Not Measured = readings not taken

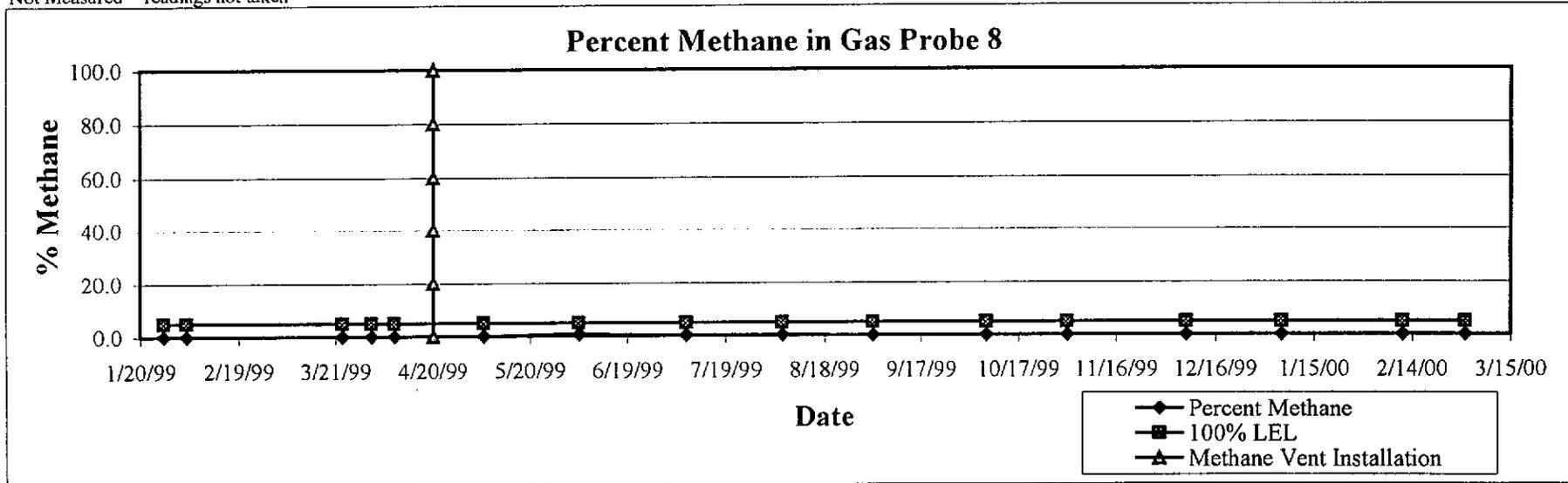


JACKSON COUNTY DEFENSE

SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% DEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 8	1/27/99	16:15	0		0.0	1.4	19.3	Not measured	
	2/3/99	13:37	0		0.0	2.4	15.6	Not measured	
	3/23/99	16:22	26/0		1.3/0.0	0.4	20.6	Not measured	Peak reading at 20 seconds - drops back to 0 methane by 45 seconds
	3/25/99								Did not check
	4/1/99	10:10	Did not record		2.2@20seconds	2.0	11.3	0.00	Readings recorded at 180 seconds
	4/8/99	14:00	Peaked @ 18 @ 11 seconds		0.0	0.0	20.6	0.00	Readings recorded at 180 seconds
	5/6/99	14:00	2		0.1	3.2	9.2	0.00	Readings recorded at 180 seconds
	6/4/99	12:05	Peaked @ 108 @ 20 seconds, 12 @ 180 seconds		0.6	0.3	19.7	0.00	Readings recorded at 180 seconds
	7/7/99	13:20	6		0.3	1.8	15.4	0.00	Readings recorded at 180 seconds
	8/5/99	13:30	6		0.3	0.0	20.9	0.00	Readings recorded after 2 purge volumes
	9/2/99	17:00	0		0.0	0.0	19.7	0.00	Readings recorded after 2 purge volumes
	10/7/99	13:00	Peaked @ 6 @ 20 seconds		0.0	3.5	13.0	0.00	Readings recorded after 2 purge volumes
	11/1/99	14:40	2		0.1	3.6	14.3	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:15	0		0.0	4.8	12.1	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:30	2		0.1	2.9	16.0	0.00	Readings recorded after 2 purge volumes
	2/11/00	13:35	0		0.0	0.0	20.2	0.00	Readings recorded after 2 purge volumes
3/1/00	11:55	0		0.0	0.0	22.8	0.00	Readings recorded after 2 purge volumes	

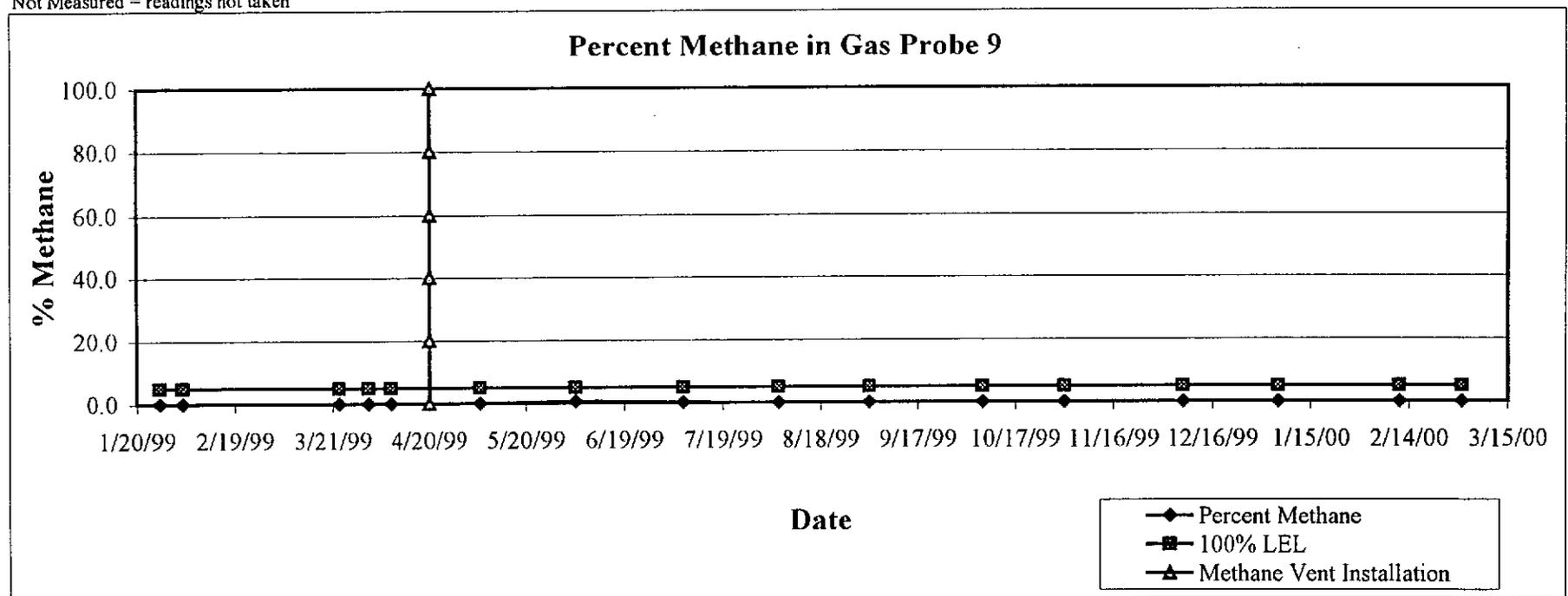
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter LEL	%	% Methane	% CO2	% O2	Probe Pressure / Vacuum	Notes
Gas Probe 9	1/27/99	16:25	0		0.0	0.0	20.4	Not measured	
	2/3/99	13:33	0		0.0	0.1	20.3	Not measured	
	3/23/99	16:30	Did not record		0.0	0.0	20.8	Not measured	60 seconds - steady
	3/25/99								Did not check
	4/1/99	10:20	Did not record		0.0	0.2	20.5	0.00	Stable at 120 seconds
	4/8/99	14:10	Did not record		Peaked @ 0.2 @ 10 seconds	0.2	20.2	0.00	Readings recorded at 180 seconds
	5/6/99	14:10	Did not record		0.0	0.7	18.5	0.00	Readings recorded at 180 seconds
	6/4/99	12:15	12		0.6	0.3	18.4	0.00	Readings recorded at 180 seconds
	7/7/99	13:30	4		0.2	0.5	18.9	0.00	Readings recorded at 180 seconds
	8/5/99	13:40	0		0.0	0.7	19.1	0.00	Readings recorded after 2 purge volumes
	9/2/99	17:10	0		0.0	0.1	18.3	0.00	Readings recorded after 2 purge volumes
	10/7/99	13:10	0		0.0	0.1	19.0	0.00	Readings recorded after 2 purge volumes
	11/1/99	15:00	0		0.0	0.0	19.6	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:20	0		0.0	0.1	19.5	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:35	0		0.0	0.0	19.9	0.00	Readings recorded after 2 purge volumes
	2/11/00	11:30	0		0.0	0.1	19.9	0.00	Readings recorded after 2 purge volumes
3/1/00	11:50	0		0.0	0.1	22.2	0.00	Readings recorded after 2 purge volumes	

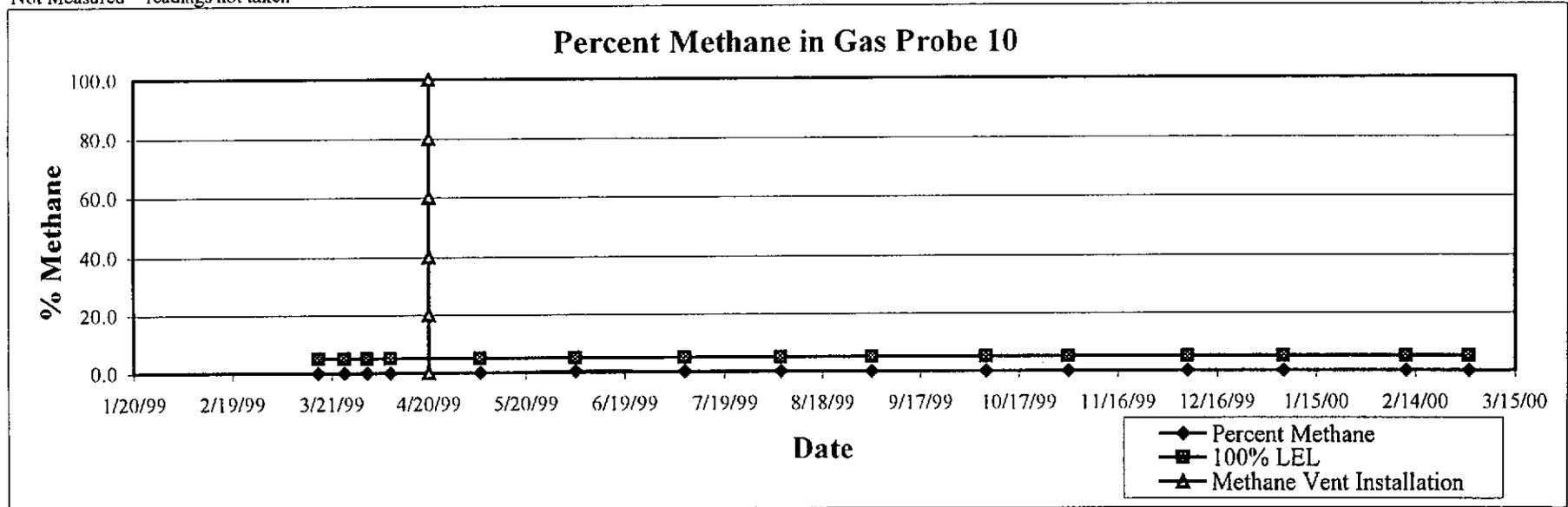
Not Measured = readings not taken



JACKSON COUNTY INDIANA
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter % LEL	% Methane	% CO2	% O2	Probe Pressure /Vacuum	Notes
Gas Probe 10	3/17/99	15:00	Did not record	0.0	0.0	19.8	Did not check	Reading collected during installation
	3/25/99	14:40	Did not record	0.01 @ 20 seconds	1.4	20.3	Did not record	No pressure - peak @ 20 seconds - Did not record LEL
	4/1/99	11:35	Did not record	0.0	0.0	20.3	0.00	Stable at 120 seconds
	4/8/99	11:40	Did not record	0.0	Peaked @ 0.20 @ 20 seconds	20.0	0.00	Stable at 120 seconds
	5/6/99	11:30	Did not record	Peaked @ 0.1 @ 20 seconds	0.0	19.9	0.00	Readings recorded at 180 seconds
	6/4/99	10:10	6	0.3	0.0	20.1	0.00	Readings recorded at 180 seconds
	7/7/99	11:10	2	0.1	0.0	20.5	0.00	Readings recorded at 180 seconds
	8/5/99	10:50	2	0.1	0.0	20.7	0.00	Readings recorded after 2 purge volumes
	9/2/99	14:15	0	0.0	0.0	20.0	0.00	Readings recorded after 2 purge volumes
	10/7/99	11:05	0	0.0	0.0	19.9	0.00	Readings recorded after 2 purge volumes
	11/1/99	12:50	0	0.0	0.0	20.0	0.00	Readings recorded after 2 purge volumes
	12/7/99	11:25	0	0.0	0.0	19.8	0.00	Readings recorded after 2 purge volumes
	1/5/00	14:20	0	0.0	0.1	20.5	0.00	Readings recorded after 2 purge volumes
	2/11/00	9:55	0	0.0	0.0	20.0	0.00	Readings recorded after 2 purge volumes
	3/1/00	10:20	0	0.0	0.0	22.5	0.00	Readings recorded after 2 purge volumes

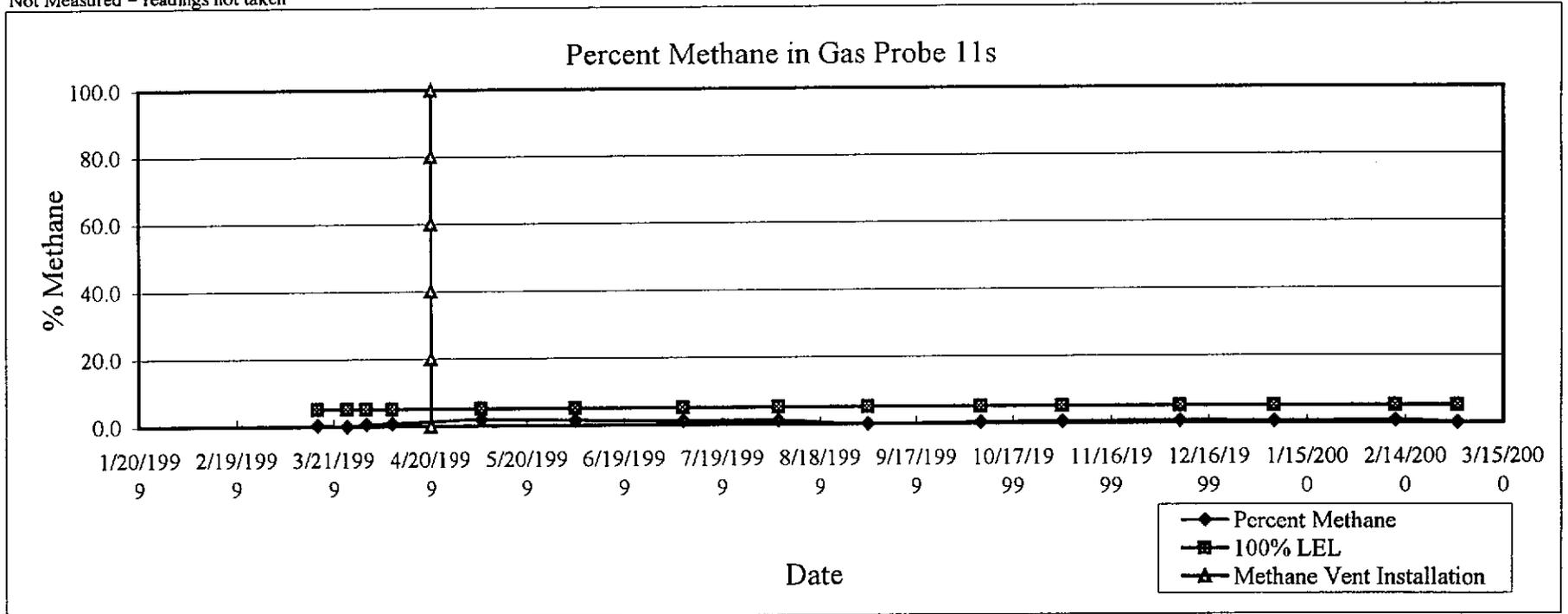
Not Measured = readings not taken



SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure /Vacuum	Notes
Gas Probe 11s	#####	15:05	6		0.3	0.3	20.2	---	Reading collected during installation of the deep probe GP-11d
	#####	11:26	Did not record		0.0	0.0	20.6	0.010+/-	Readings recorded at 180 seconds
	#####	13:45	12		0.6	8.0	19.5	0.00	Readings recorded at 180 seconds
	#####	11:00	16		0.8	0.6	19.4	0.00	Readings recorded at 180 seconds
	#####	11:00	36		1.8	0.8	18.9	0.00	Readings recorded at 180 seconds
	#####	9:55	30		1.5	1.3	18.2	0.00	Readings recorded at 180 seconds
	#####	10:45	22		1.1	1.9	17.8	0.00	Readings recorded at 180 seconds
	#####	10:15	22		1.1	2.9	17.7	0.00	Readings recorded after 2 purge volumes
	#####	13:40	0		0.0	0.0	19.9	0.00	Readings recorded after 2 purge volumes
	#####	10:45	6		0.3	1.1	19.2	0.00	Readings recorded after 2 purge volumes
	#####	12:35	10		0.5	1.2	20.1	0.00	Readings recorded after 2 purge volumes
	#####	11:05	12		0.6	0.9	18.8	0.00	Readings recorded after 2 purge volumes
	1/5/2000	14:00	10		0.5	0.5	19.4	0.00	Readings recorded after 2 purge volumes
	#####	9:35	14		0.7	0.9	19	0.00	Readings recorded after 2 purge volumes
	#####	10:05	0		0.0	0.2	22.6	0.00	Readings recorded after 2 purge volumes

Not Measured = readings not taken

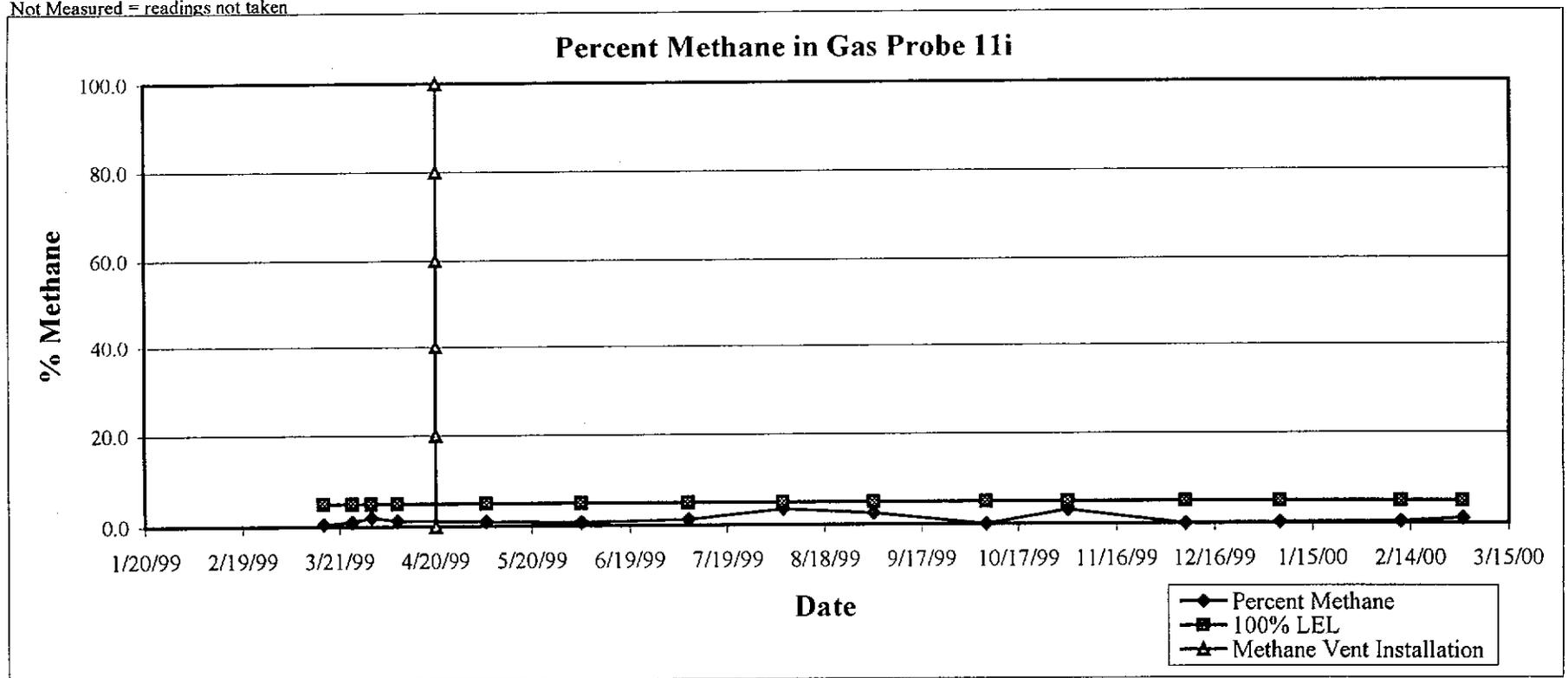


JACKSON COUNTY DEF

SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 11i	3/16/99	16:30	10		0.5	0.6	20.0	---	Readings collected during installation of the deep probe GP-11d
	3/25/99	11:15	20		1.0	0.5	19.8	0.00	LEL begins climbing at 60 seconds- 180 seconds climbing slowly
	3/31/99	13:50	42		2.0	1.0	19.1	0.17	Readings recorded at 180 seconds
	4/8/99	11:05	24		1.2	0.5	19.3	0.00	Readings recorded at 180 seconds
	5/6/99	11:10	20		1.0	0.0	18.9	0.00	Readings recorded at 180 seconds
	6/4/99	10:00	14		0.7	0.0	18.5	0.02	Readings recorded at 180 seconds
	7/7/99	10:50	24		1.2	0.0	17.8	-0.04	Vacuum - reading recorded at 180 seconds
	8/5/99	10:25	70		3.5	1.0	18.2	0.00	Readings recorded after 2 purge volumes
	9/2/99	13:50	50		2.5	0.5	17.6	0.15	Readings recorded after 2 purge volumes
	10/7/99	10:50	0		0.0	0.6	19.7	-0.01	Readings recorded after 2 purge volumes
	11/1/99	12:40	62		3.1	1.6	18.8	0.12	Readings recorded after 2 purge volumes
	12/7/99	11:10	0		0.0	0.5	19.4	0.30	Readings recorded after 2 purge volumes
	1/5/00	14:05	4		0.2	0.6	19.4	0.07	Readings recorded after 2 purge volumes
	2/11/00	9:40	8		0.4	0.9	19.2	-0.02	Readings recorded after 2 purge volumes
3/1/00	10:10	22		1.1	0.9	21.6	0.07	Readings recorded after 2 purge volumes	

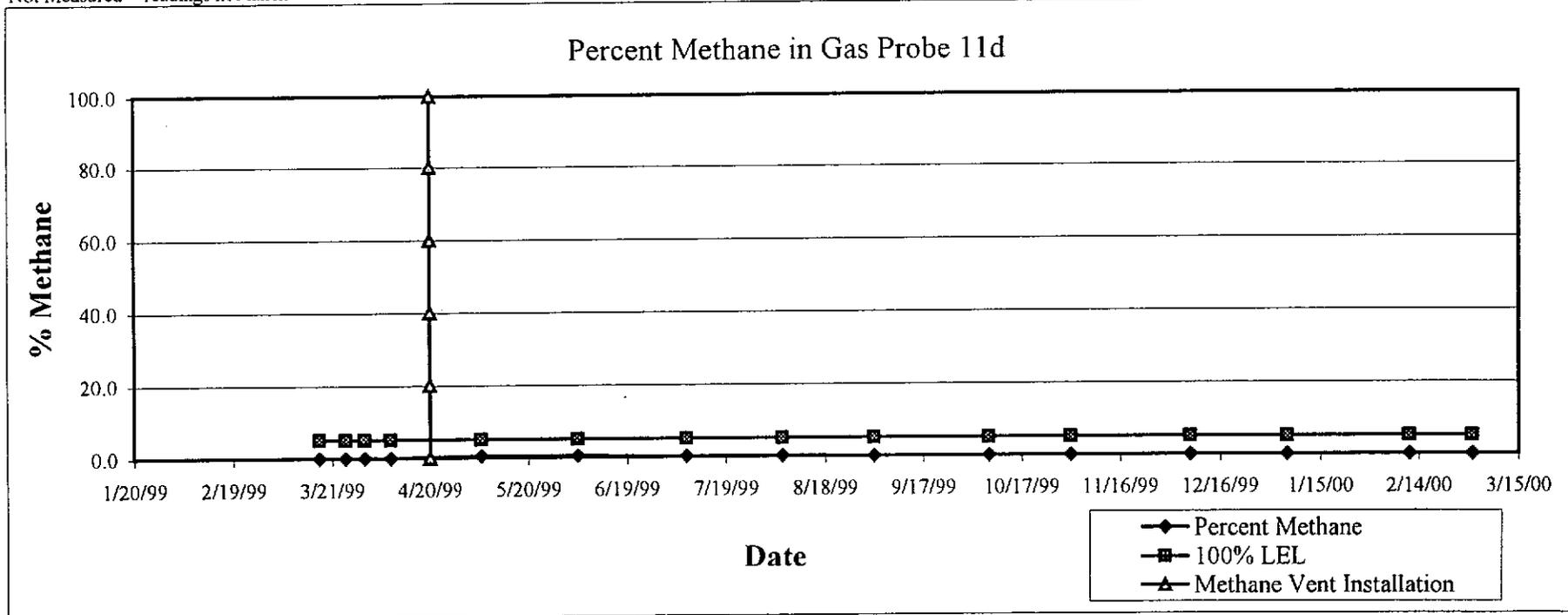
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 11d	3/17/99	8:30	0		0.0	0.2	20.9	Not Measured	Readings collected during installation of the deep probe GP-11d
	3/25/99	11:03	0		0.0	0.0	20.8	-0.02	Vacuum - reading recorded at 180 seconds
	3/31/99	13:55	Did not record		0.0	0.1	20.6	0.25	Readings recorded at 180 seconds
	4/8/99	11:15	Did not record		0.0	0.0	20.6	0.00	Readings recorded at 180 seconds
	5/6/99	11:20	10		0.5	0.0	20.2	0.13	Readings recorded at 180 seconds
	6/4/99	10:05	8		0.4	0.0	20.4	0.00	Readings recorded at 180 seconds
	7/7/99	10:55	4		0.2	0.0	20.9	-0.03	Vacuum - readings recorded at 180 seconds
	8/5/99	10:35	2		0.1	0.0	20.6	0.00	Readings recorded after 2 purge volumes
	9/2/99	14:00	0		0.0	0.0	19.8	0.10	Readings recorded after 2 purge volumes
	10/7/99	10:55	0		0.0	0.0	20.2	-0.01	Readings recorded after 2 purge volumes
	11/1/99	12:45	0		0.0	0.0	21.0	0.12	Readings recorded after 2 purge volumes
	12/7/99	11:15	0		0.0	0.0	19.8	0.00	Readings recorded after 2 purge volumes
	1/5/00	14:10	0		0.0	0.0	20.1	0.06	Readings recorded after 2 purge volumes
	2/11/00	9:45	0		0.0	0.0	20.1	-0.02	Readings recorded after 2 purge volumes
	3/1/00	10:15	0		0.0	0.1	22.7	0.11	Readings recorded after 2 purge volumes

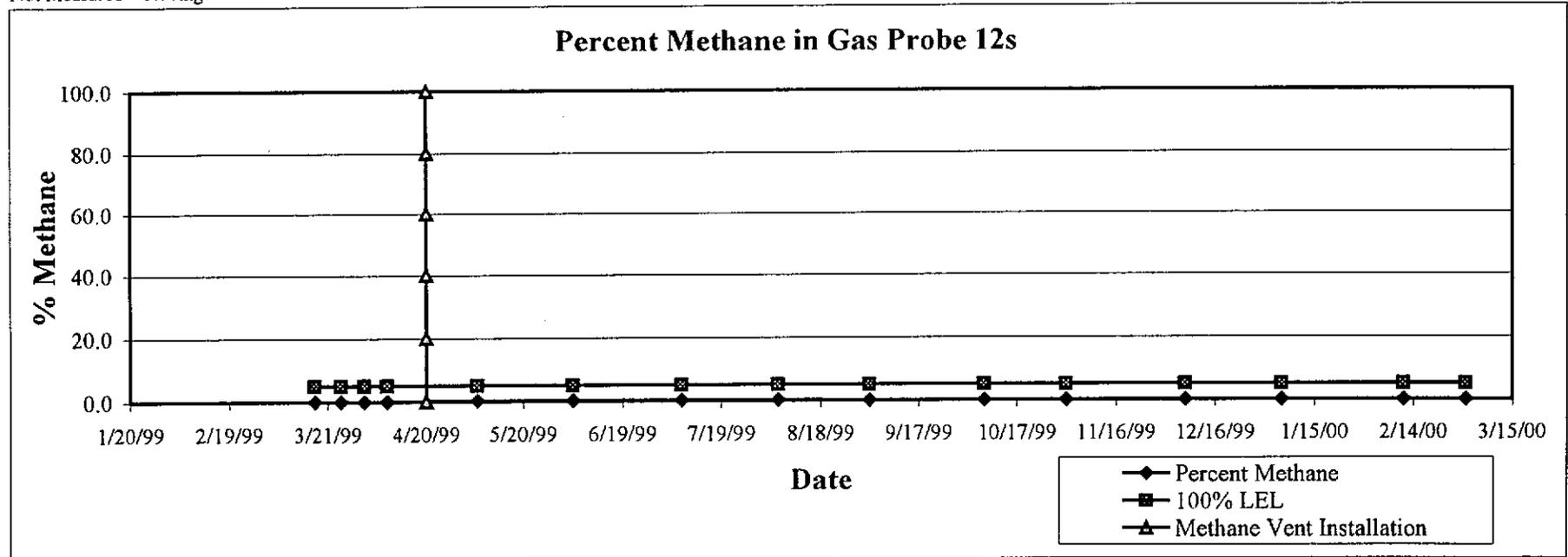
Not Measured = readings not taken



JACKSON COUNTY HEALTH DEPARTMENT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 12s	3/17/99	9:45	0		0.0	0.0	20.0	Did not check	Installed on 3/16/99
	3/25/99	14:55	0		0.0	0.0	20.5	Did not check	Readings recorded at 120 seconds - very steady
	4/1/99	11:50	Did not record		0.0	0.10 @ 60 seconds	20.5	0.00	Readings recorded at 180 seconds
	4/8/99	10:40	Did not record		0.0	0.0	20.6	0.00	Stable at 120 seconds
	5/6/99	10:40	2		0.1	0.0	20.2	0.00	Readings recorded at 180 seconds
	6/4/99	9:35	4		0.2	0.0	20.5	0.00	Readings recorded at 180 seconds
	7/7/99	10:30	2		0.1	0.0	20.7	0.00	Readings recorded at 180 seconds
	8/5/99	9:55	2		0.1	0.0	20.6	0.00	Readings recorded after 2 purge volumes
	9/2/99	13:10	0		0.0	0.8	18.7	0.00	Readings recorded after 2 purge volumes
	10/7/99	10:30	0		0.0	0.8	19.5	0.00	Readings recorded after 2 purge volumes
	11/1/99	12:20	0		0.0	1.3	20.3	0.00	Readings recorded after 2 purge volumes
	12/7/99	10:50	0		0.0	0.6	19.2	0.00	Readings recorded after 2 purge volumes
	1/5/00	13:50	0		0.0	0.1	19.9	0.00	Readings recorded after 2 purge volumes
	2/11/00	9:20	0		0.0	0.7	19.0	0.00	Readings recorded after 2 purge volumes
	3/1/00	9:55	0		0.0	0.1	22.9	0.00	Readings recorded after 2 purge volumes

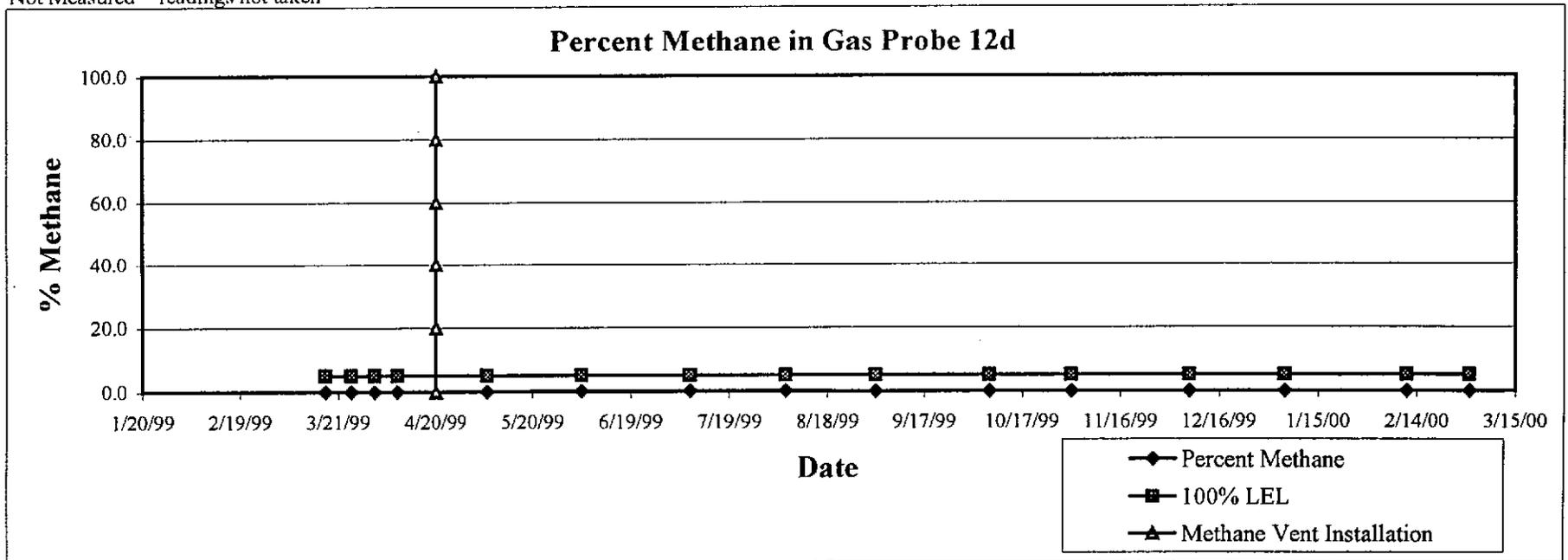
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 12d	3/17/99	9:50	0		0.0	0.4	19.7	Did not check	Installed on 3/16/99
	3/25/99	14:50	0		0.0	0.06 @ 10seconds 0.02	19.2	Did not check	Readings recorded at 180 seconds
	4/1/99	11:55	Did not record		0.0	0.4	19.2	0.30	Readings recorded at 180 seconds
	4/8/99	10:55	Did not record		0.0	0.6	18.7	-0.30	Vacuum - readings stable at 120 seconds
	5/6/99	10:50	Did not record		0.0	0.1	19.3	0.00	Readings recorded at 180 seconds
	6/4/99	9:45	4		0.2	0.1	19.6	0.00	Readings recorded at 180 seconds
	7/7/99	10:35	2		0.1	0.0	20.3	0.00	Readings recorded at 180 seconds
	8/5/99	10:05	2		0.1	0.5	19.1	-0.01	Readings recorded after 2 purge volumes
	9/2/99	13:20	0		0.0	0.1	18.2	0.10	Readings recorded after 2 purge volumes
	10/7/99	10:40	0		0.0	0.3	19.4	0.00	Readings recorded after 2 purge volumes
	11/1/99	12:25	0		0.0	1.0	18.5	0.00	Readings recorded after 2 purge volumes
	12/7/99	11:00	0		0.0	0.0	19.5	0.00	Readings recorded after 2 purge volumes
	1/5/00	13:55	0		0.0	1.0	17.4	0.00	Readings recorded after 2 purge volumes
	2/11/00	9:25	0		0.0	0.0	20.0	0.00	Readings recorded after 2 purge volumes
3/1/00	10:00	0		0.0	0.1	22.8	0.00	Readings recorded after 2 purge volumes	

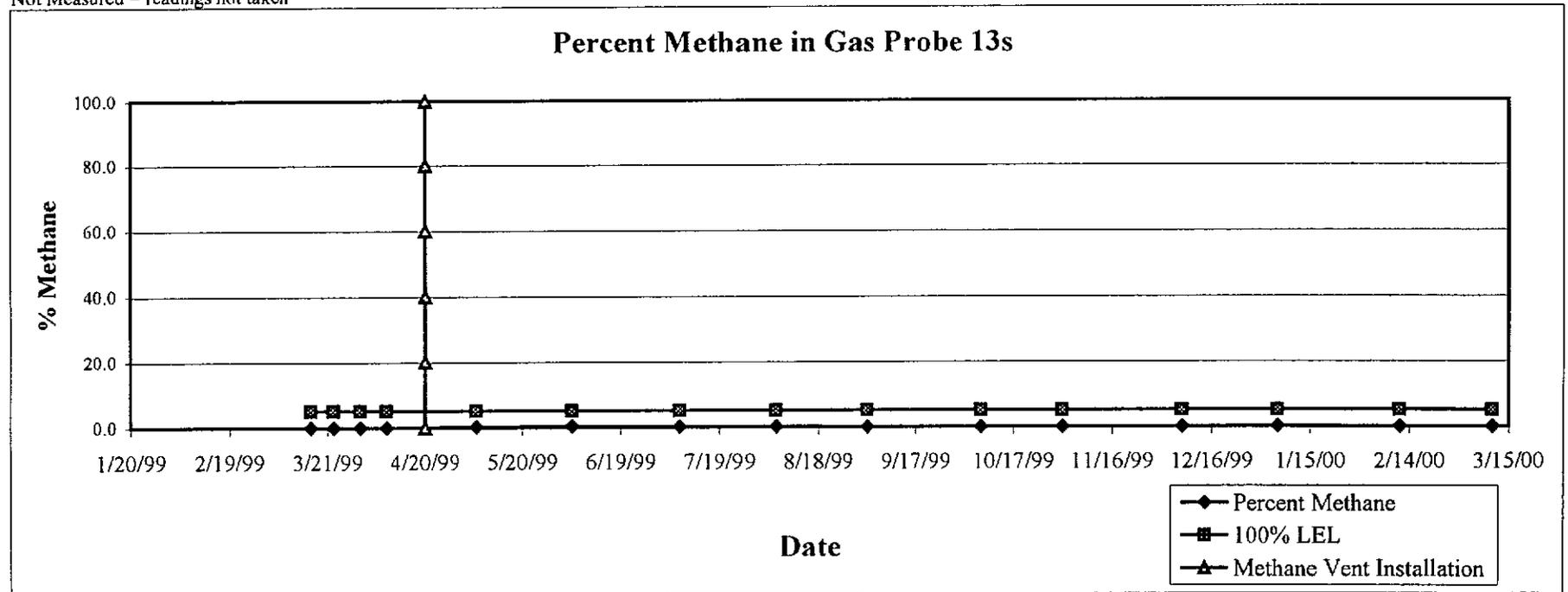
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 13s	3/16/99	8:00	0		0.0	0.2	20.6	Did not check	Installed on 3/15/99
	3/23/99	15:45	0		0.0	0.0	20.6	Not measured	120 seconds
	3/25/99	15:40						0.04	Pressure
	3/31/99	14:50	Did not record		0.0	0.5	20.0	0.01	Readings recorded at 180 seconds
	4/8/99	12:10	Did not record		Peaked @ 0.5 @ 5 seconds	0.3	20.1	0.06	Readings recorded at 180 seconds
	5/6/99	12:25	4		0.2	0.5	19.5	0.00	Readings recorded at 180 seconds
	6/4/99	10:25	8		0.4	0.6	19.3	0.04	Readings recorded at 180 seconds
	7/7/99	11:45	2		0.1	0.8	19.2	0.00	Readings recorded at 180 seconds
	8/5/99	11:30	2		0.1	1.5	18.8	0.02	Readings recorded after 2 purge volumes
	9/2/99	14:50	0		0.0	0.7	18.8	0.00	Readings recorded after 2 purge volumes
	10/7/99	11:20	0		0.0	0.8	19.3	0.01	Readings recorded after 2 purge volumes
	11/1/99	13:15	0		0.0	0.9	20.5	0.05	Readings recorded after 2 purge volumes
	12/7/99	11:45	0		0.0	0.5	19.5	0.30	Readings recorded after 2 purge volumes
	1/5/00	14:30	2		0.1	0.5	19.7	0.00	Readings recorded after 2 purge volumes
	2/11/00	10:05	0		0.0	0.2	19.8	0.00	Readings recorded after 2 purge volumes
	3/10/00	10:30	0		0.0	0.1	22.7	0.00	Readings recorded after 2 purge volumes

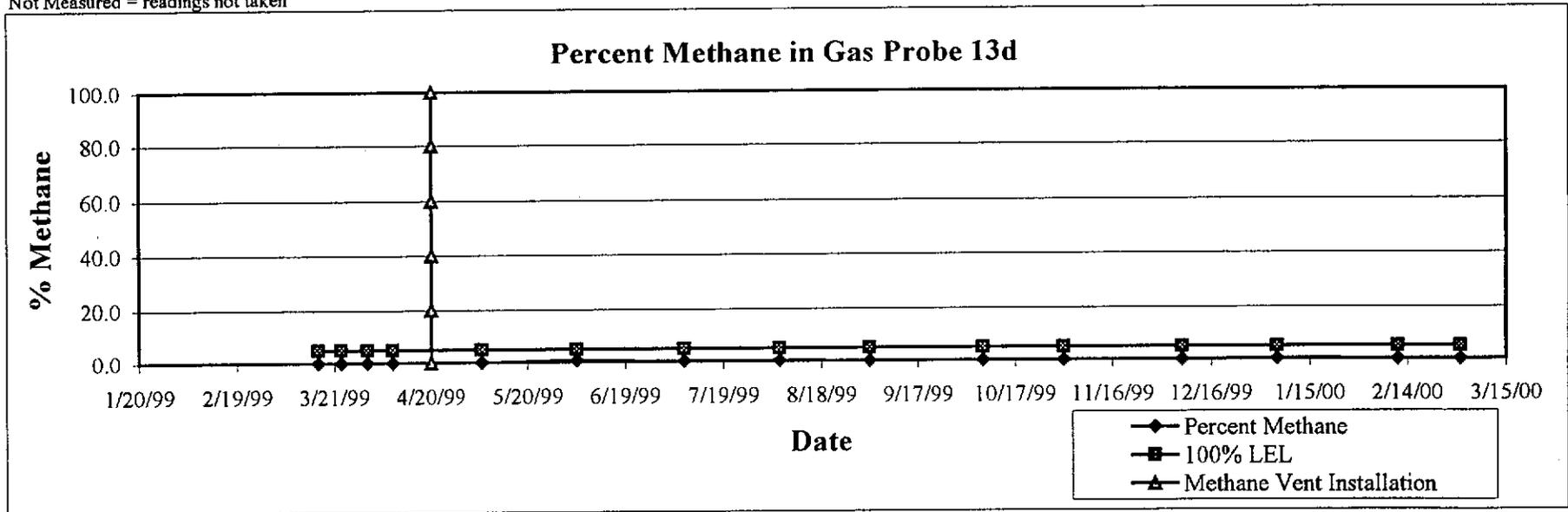
Not Measured = readings not taken



JACKSON COUNTY DEPT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 13d	3/16/99	8:05	0		0.0	0.0	20.9	Did not check	installed on 3/15/99
	3/23/99	15:48	0		0.0	0.1	20.4	Not measured	120 seconds
	3/25/99	15:50						0.17	Pressure
	3/31/99	14:45	Did not record		0.0	0.3	20.2	0.06	Readings recorded at 180 seconds, DTW reading taken 4/1/99 = 32.25' TOC
	4/8/99	12:15	2		0.1	0.2	20.1	0.25	Readings recorded at 180 seconds
	5/6/99	12:20	2		0.1	0.2	19.9	0.20	Readings recorded at 180 seconds
	6/4/99	10:30	14		0.7	0.2	19.8	0.06	Readings recorded at 180 seconds
	7/7/99	11:50	4		0.2	0.2	20.4	0.03	Readings recorded at 180 seconds
	8/5/99	11:45	4		0.2	0.5	19.6	0.05	Readings recorded after 2 purge volumes, DTW = 32.10 ft @ 15:00
	9/2/99	15:00	0		0.0	0.1	18.6	0.10	Readings recorded after 2 purge volumes, DTW = 32.90 ft
	10/7/99	11:30	0		0.0	0.1	19.7	0.06	Readings recorded after 2 purge volumes
	11/1/99	13:20	0		0.0	0.7	20.2	0.15	Readings recorded after 2 purge volumes
	12/7/99	11:50	0		0.0	0.4	19.5	0.13	Readings recorded after 2 purge volumes
	1/5/00	14:35	4		0.2	0.6	19.4	0.03	Readings recorded after 2 purge volumes
	2/11/00	10:10	0		0	0.3	19.5	0.01	Readings recorded after 2 purge volumes
	3/1/00	10:35	0		0	0.5	22.1	0.12	Readings recorded after 2 purge volumes

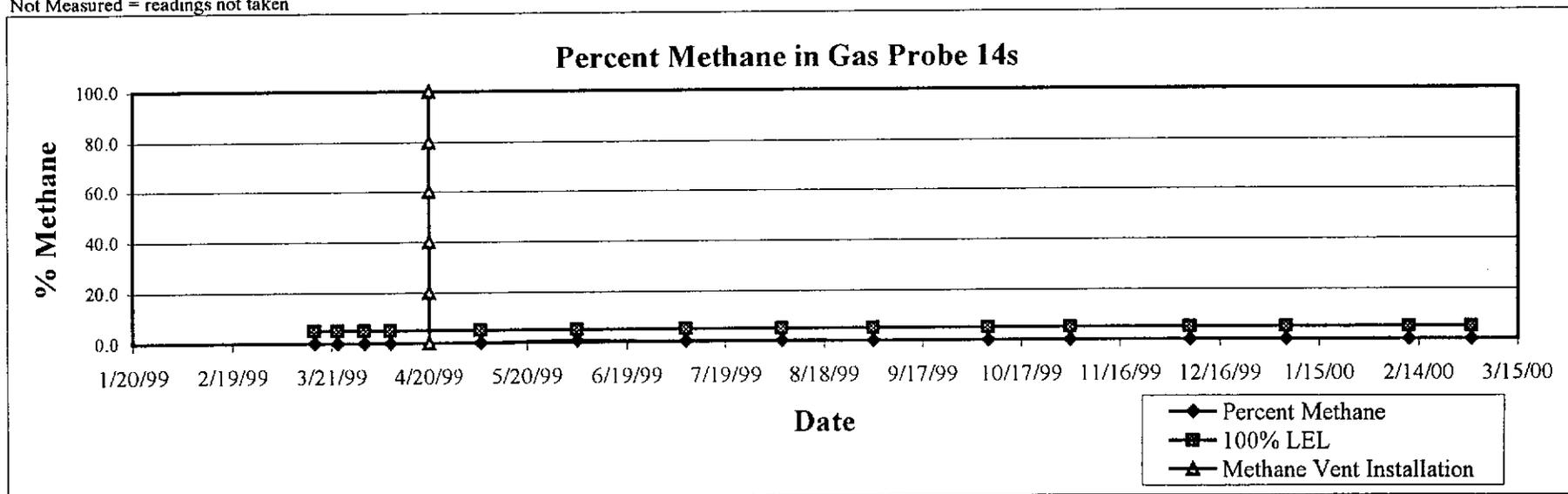
Not Measured = readings not taken



JACKSON COUNTY DEPT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 14s	3/16/99	8:20	0		0.0	1.8	19.1	Did not check	Installed on 3/15/99
	3/23/99	15:21	0		0.0	1.7	18.8	Not measured	120 seconds
	3/25/99	13:15						-0.01	Slight vacuum
	3/31/99	15:30	Did not record		0.0	2.4	17.3	0.00	Readings recorded at 180 seconds
	4/8/99	13:00	Peaked @ 26 @ 20 seconds		0.0	1.9	18.8	0.00	Readings recorded at 180 seconds
	5/6/99	13:00	Peaked @ 200 @ 25 seconds		Peaked @ 10.0 @ 25 seconds	1.6	17.9	0.00	Readings recorded at 180 seconds
	6/4/99	11:20	14		0.7	2.1	17.6	0.00	Readings recorded at 180 seconds
	7/7/99	12:30	Peaked @ 66 @ 40 seconds, 4 @ 180 seconds		0.2	2.9	17.5	0.00	Readings recorded at 180 seconds
	8/5/99	12:10	4		0.2	3.0	17.7	-0.01	Readings recorded after 2 purge volumes
	9/2/99	15:45	0		0.0	1.8	17.6	0.00	Readings recorded after 2 purge volumes
	10/7/99	12:10	Peaked @ 6 @ 15 seconds		0.0	2.8	17.3	0.00	Readings recorded after 2 purge volumes
	11/1/99	14:00	0		0.0	3.0	17.9	0.00	Readings recorded after 2 purge volumes
	12/7/99	12:30	Peaked @ 24 @ 10 seconds		0.0	2.9	16.8	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:00	0		0.0	0.9	19.3	0.00	Readings recorded after 2 purge volumes
	2/11/00	10:45	0		0.0	2.3	16.2	0.00	Readings recorded after 2 purge volumes
	3/1/00	11:15	Peaked @ 70 @ 15 seconds		0.0	1.6	20.9	0.00	Readings recorded after 2 purge volumes

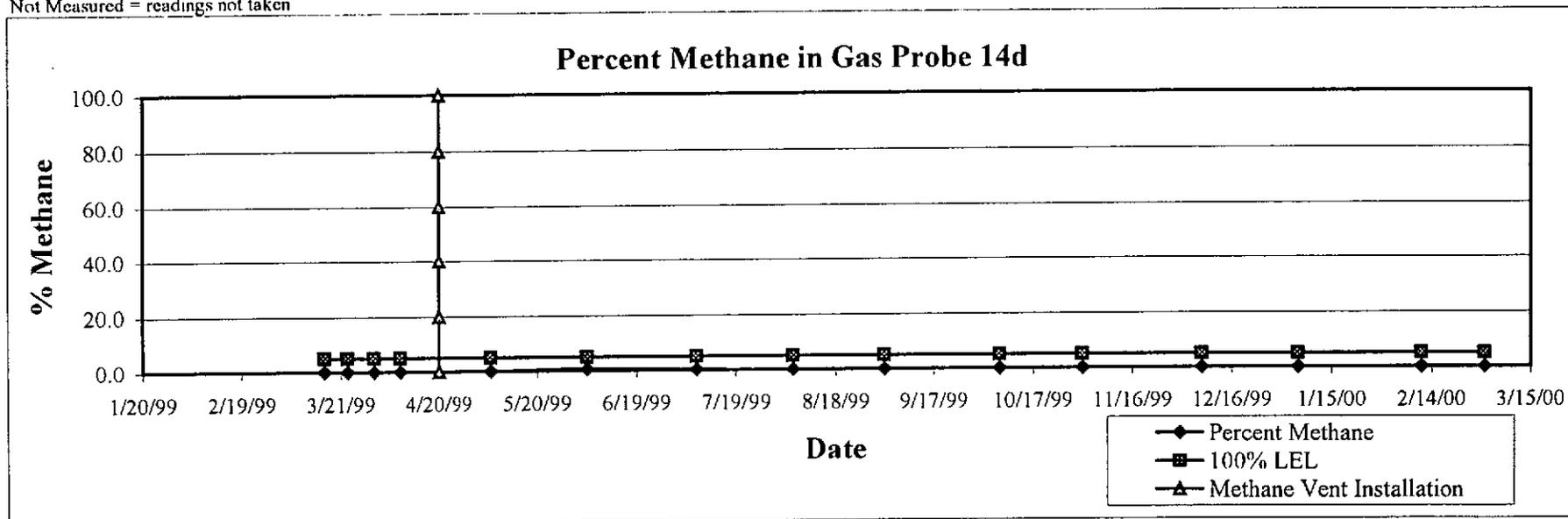
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 14d	3/16/99	8:15	0		0.0	4.0	16.3	Did not check	Installed on 3/15/99 - reading collected at 330 seconds
	3/23/99	14:05	0		0.0	3.8	15.5	Did not check	250 seconds
	3/25/99	13:12						0.03	
	3/31/99	15:35	Did not record		0.0	3.4	17.1	0.00	Readings recorded at 180 seconds, DTW reading taken 4/1/99 = 21.80' TOC
	4/8/99	13:10	Did not record		0.0	3.0	17.2	0.00	Readings recorded at 180 seconds
	5/6/99	13:10	2		0.1	2.5	17.7	0.00	Readings recorded at 180 seconds
	6/4/99	11:25	12		0.6	2.4	17.4	-0.01	Vacuum, readings recorded at 180 seconds
	7/7/99	12:35	4		0.2	2.9	17.3	0.00	Readings recorded at 180 seconds
	8/5/99	12:20	2		0.1	4.4	15.6	0.00	Readings recorded after 2 purge volumes, DTW = 21.40 ft @ 15:15
	9/2/99	15:55	0		0.0	4.1	15.3	0.00	Readings recorded after 2 purge volumes, DTW = 21.30 ft
	10/7/99	12:15	0		0.0	2.5	17.6	0.00	Readings recorded after 2 purge volumes
	11/1/99	14:10	2		0.1	5.1	16.2	0.00	Readings recorded after 2 purge volumes
	12/7/99	12:40	0		0.0	4.8	15.7	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:05	2		0.1	1.5	18.7	0.00	Readings recorded after 2 purge volumes
	2/11/00	10:50	0		0	4.4	15.1	0	Readings recorded after 2 purge volumes
3/1/00	11:20	0		0	2.7	19.8	0.01	Readings recorded after 2 purge volumes	

Not Measured = readings not taken

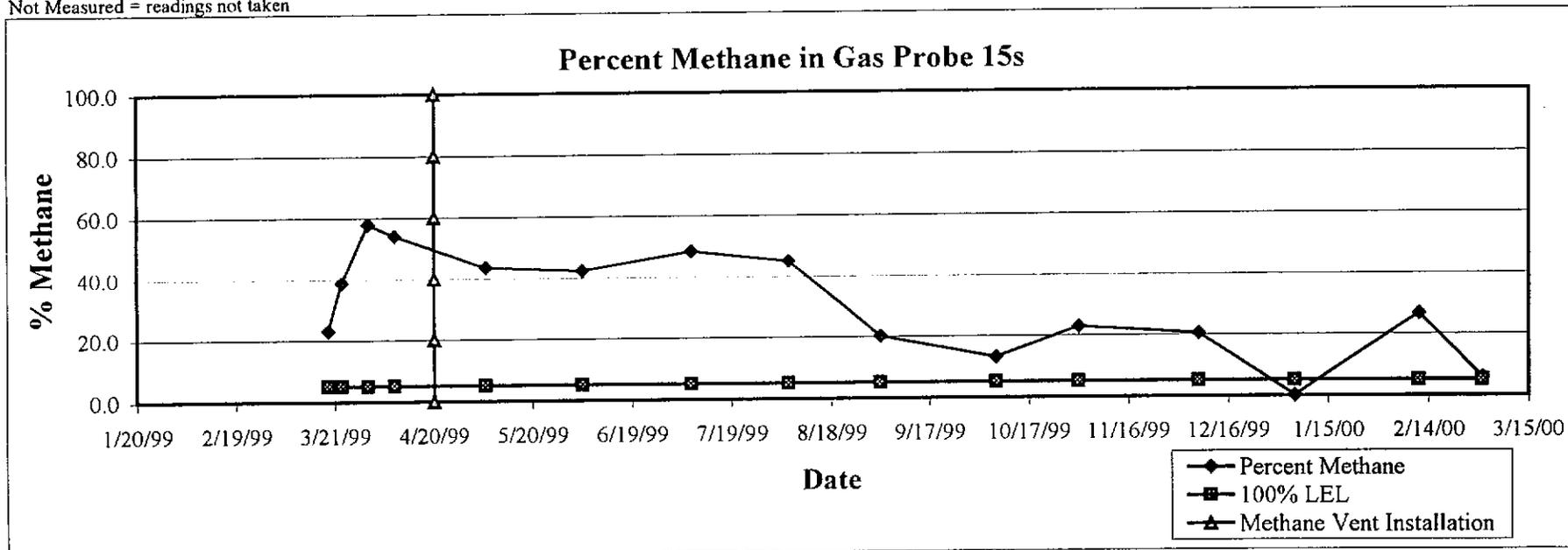


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SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 15s	3/19/99	9:40	470		23.0	11.9	10.6	-	Installed on 3/19/99 - checked one hour after installation
	3/23/99	15:30	784		38.7	24.8	2.8	Not measured	120 seconds - methane still increasing
	3/25/99	15:07	-		-	-	-	0.21	-
	3/31/99	16:05	>1000 @ 20 seconds		57.9	28.6	0.0	0.22	Readings recorded at 180 seconds
	4/8/99	13:15	>1000 @ 62 seconds		54.0	31.2	0.2	0.18	Readings recorded at 180 seconds
	5/6/99	13:15	872		43.6	27.9	0.2	0.15	Readings recorded at 180 seconds
	6/4/99	11:10	848		42.4	30.5	0.3	0.10	Readings recorded at 180 seconds
	7/7/99	12:40	968		48.4	37.1	0.3	0.10	Pressure, readings recorded at 4.5 minutes
	8/5/99	12:30	900		45.0	35.0	0.2	0.08	Readings recorded after 2 purge volumes, pressure
	9/2/99	16:05	400		20.0	23.9	4.4	0.10	Readings recorded after 2 purge volumes, pressure
	10/7/99	12:25	260		13.0	28.9	0.2	0.05	Readings recorded after 2 purge volumes
	11/1/99	14:15	456		22.8	27.4	0.2	0.17	Readings recorded after 2 purge volumes
	12/7/99	12:50	410		20.5	22.2	1.0	0.15	Readings recorded after 2 purge volumes
	1/5/00	15:10	4		0.2	0.1	19.9	0.05	Readings recorded after 2 purge volumes
	2/11/00	10:35	530		26.5	19.6	0.6	-0.01	Readings recorded after 2 purge volumes
3/1/00	11:05	Peaked @ 170 @ 20 secs, 116 stable		5.8	5.0	17.6	0.09	Readings recorded after 2 purge volumes	

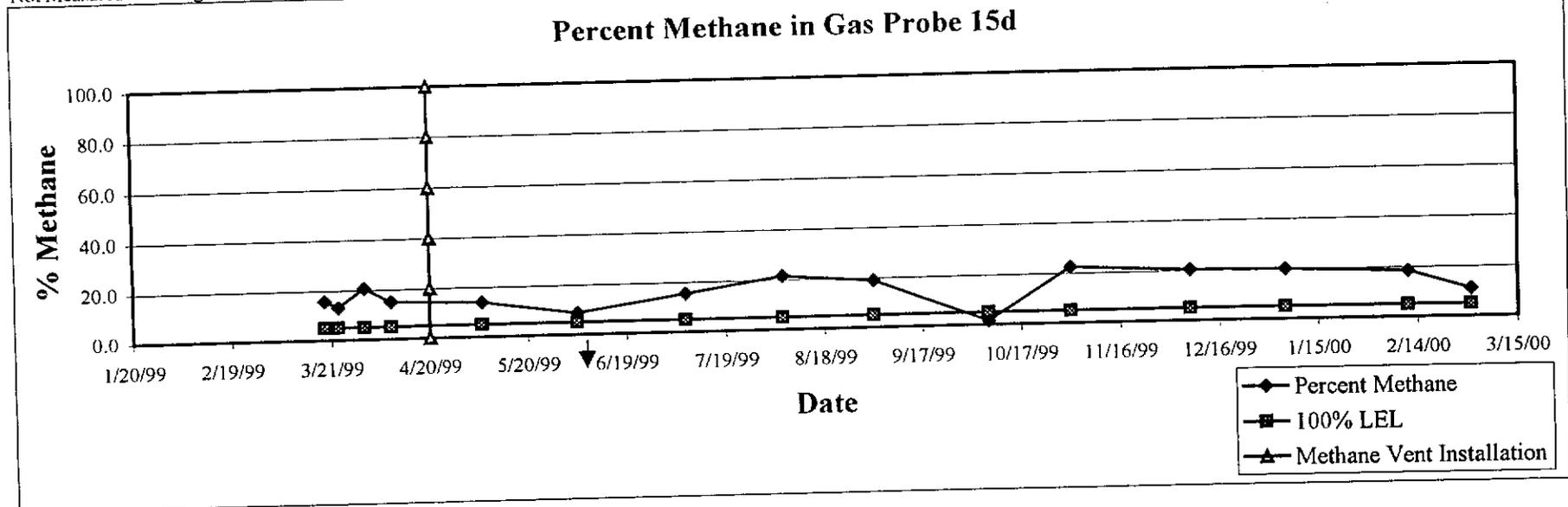
Not Measured = readings not taken



JACKSON COUNTY INDIANA
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 15d	3/19/99	9:30	314		15.6	1.5	7.9		Installed on 3/18/99
	3/23/99	15:35	264		13.0	1.7	11.0	Not measured	120 seconds
	3/25/99	15:05						0.22	24 at 120 seconds
	3/31/99	16:00	422		20.7	13.6	3.7	0.20	Readings recorded at 180 seconds, DTW reading taken 4/1/99 = 46.28' TOC
	4/8/99	13:20	300		15.0	12.4	6.2	0.14	Readings recorded at 180 seconds
	5/6/99	13:20	280		14.0	10.2	6.5	0.02	Readings recorded at 180 seconds
	6/4/99	11:15	172		8.6	5.2	12.1	0.09	Pressure, readings recorded at 180 seconds
	7/7/99	12:50	310		15.5	9.9	6.5	0.09	Pressure, readings recorded at 180 seconds
	8/5/99	12:40	432		21.6	14.4	0.6	0.10	Readings recorded after 2 purge volumes, DTW = 46.23 ft @ 15:20
	9/2/99	16:15	380		19.0	14.1	0.8	0.14	Readings recorded after 2 purge volumes, DTW = 46.25 ft
	10/7/99	12:35	30		1.5	1.5	17.9	0.10	Readings recorded after 2 purge volumes
	11/1/99	14:20	446		22.3	15.5	0.5	0.20	Readings recorded after 2 purge volumes
	12/7/99	13:00	410		20.5	15.1	1.1	0.20	Readings recorded after 2 purge volumes
	1/5/00	15:15	400		20.0	16.0	0.5	0.06	Readings recorded after 2 purge volumes
	2/11/00	10:40	370		18.5	15.0	0.9	-0.04	Readings recorded after 2 purge volumes
	3/1/00	11:10	220		11.0	10.2	9.7	0.08	Readings recorded after 2 purge volumes

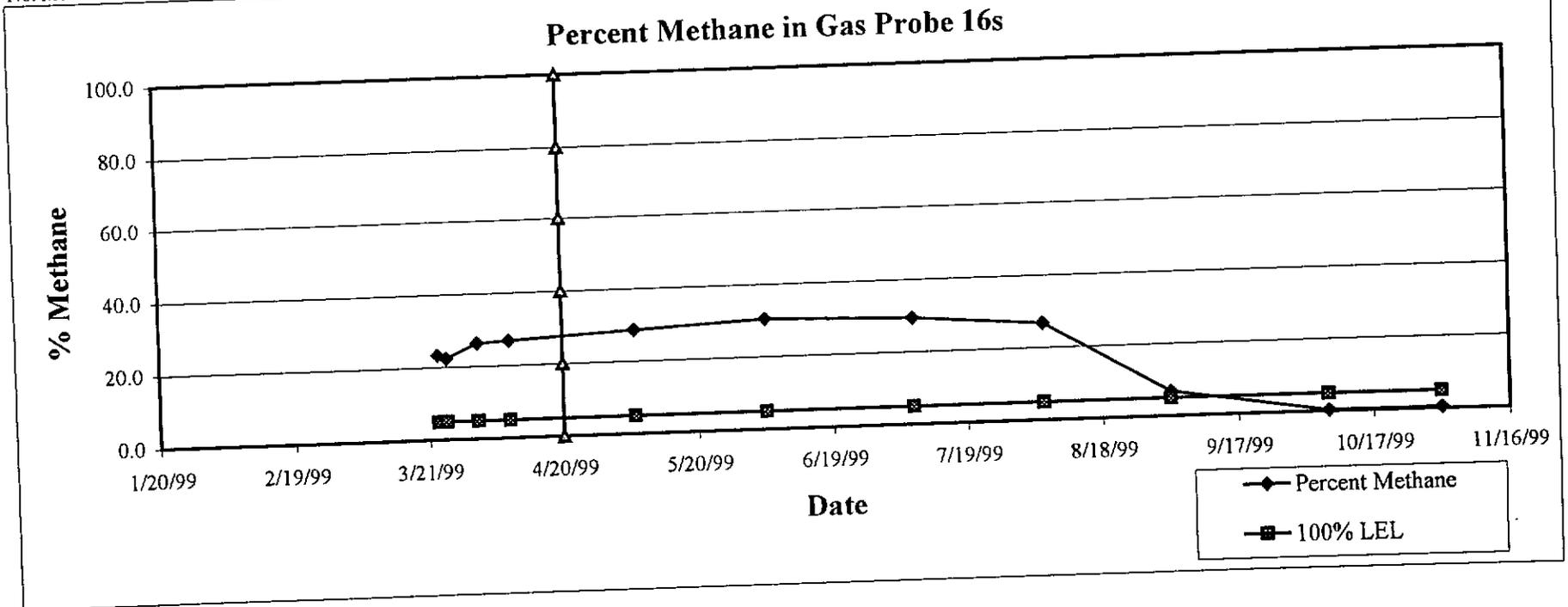
Not Measured = readings not taken



JACKSON COUNTY LANDFILL
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum (H ₂ O)	Notes
Gas Probe 16s	3/23/99	16:50	390		19.7/ 23.3	21.5	2.3	Not measured	80 seconds / peak at 130 seconds
	3/25/99	13:45	444		22.2 @ 45 seconds	20.9	2.6	0.00	No pressure - peak at 45 seconds
	4/1/99	10:55	522		26.3	24.1	0.1	0.00	Readings recorded at 180 seconds
	4/8/99	14:50	530		26.8	25.2	0.0	0.00	Readings recorded at 180 seconds
	5/6/99	14:35	570		28.5	28.3	0.0	0.00	Readings recorded at 180 seconds
	6/4/99	12:40	606		30.3	28.8	0.2	0.00	Readings recorded at 180 seconds
	7/7/99	14:00	586		29.3	33.4	0.6	0.00	Readings recorded at 180 seconds
	8/5/99	14:15	530		26.8	25.2	0.0	0.00	Readings recorded after 2 purge volumes
	9/2/99	17:35	136		6.8	23.8	0.4	0.00	Readings recorded after 2 purge volumes
	10/7/99	13:20	6		0.3	19.7	0.1	0.00	Readings recorded after 2 purge volumes
	11/1/99	15:20	10		0.5	19.4	0.2	0.00	Readings recorded after 2 purge volumes
	12/7/99	-	-	-	-	-	-	-	Out of commission, ran over by truck.
	1/5/00	-	-	-	-	-	-	-	Out of commission, ran over by truck.
	2/11/00	-	-	-	-	-	-	-	Out of commission, ran over by truck.
	3/1/00	-	-	-	-	-	-	-	Out of commission, ran over by truck.

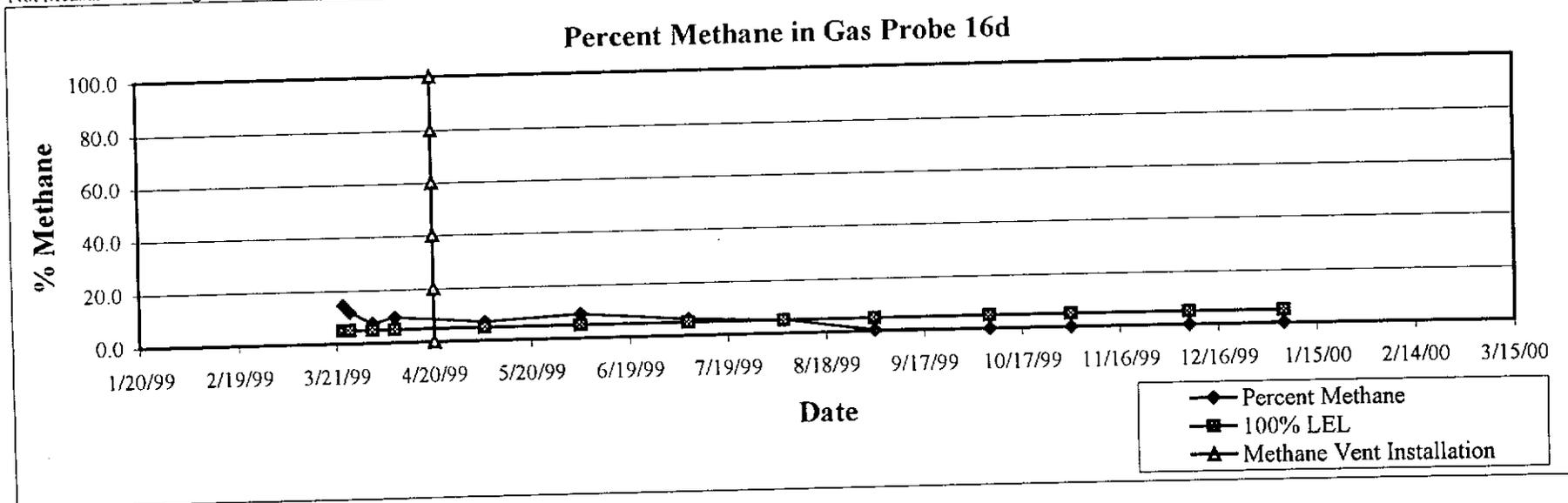
Not Measured = readings not taken



JACKSON COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 16d	3/23/99	16:44	242		12.1/ 14.5	3.3	8.8	Not measured	94 seconds / peak at 150 seconds
	3/25/99	13:50	190/236		9.5/11.8	6.5	6.8	0.00	60 seconds = 9.5 - readings recorded at 100 seconds
	4/1/99	11:00	150		7.5	11.6	7.6	0.00	Readings recorded at 180 seconds, DTW reading taken 4/1/99 = 21.90' TOC
	4/8/99	15:00	194		9.6	5.7	11.1	-0.10	Vacuum, readings recorded at 180 seconds
	5/6/99	14:45	142		7.1	13.1	7.7	0.00	Readings recorded at 180 seconds
	6/4/99	12:45	182		9.1	11.7	9.1	0.00	Readings recorded at 180 seconds
	7/7/99	14:05	126		6.3	9.4	12.0	-0.01	Vacuum, readings recorded at 180 seconds
	8/5/99	14:20	100		5.0	3.0	18.1	0.00	Readings recorded after 2 purge volumes, no water in probe
	9/2/99	17:40	8		0.4	11.4	6.5	-0.02	Readings recorded after 2 purge volumes, no water in probe
	10/7/99	13:30	0		0.0	2.5	16.5	0.00	Readings recorded after 2 purge volumes
	11/1/99	15:25	2		0.1	4.4	16.3	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:40	0		0.0	18.6	7.2	0.00	Readings recorded after 2 purge volumes
	1/5/00	14:50	4		0.2	14.6	10.2	0.00	Readings recorded after 2 purge volumes
	2/11/00	-	-	-	-	-	-	-	Out of commission, ran over by truck.
3/1/00	-	-	-	-	-	-	-	Out of commission, ran over by truck.	

Not Measured = readings not taken

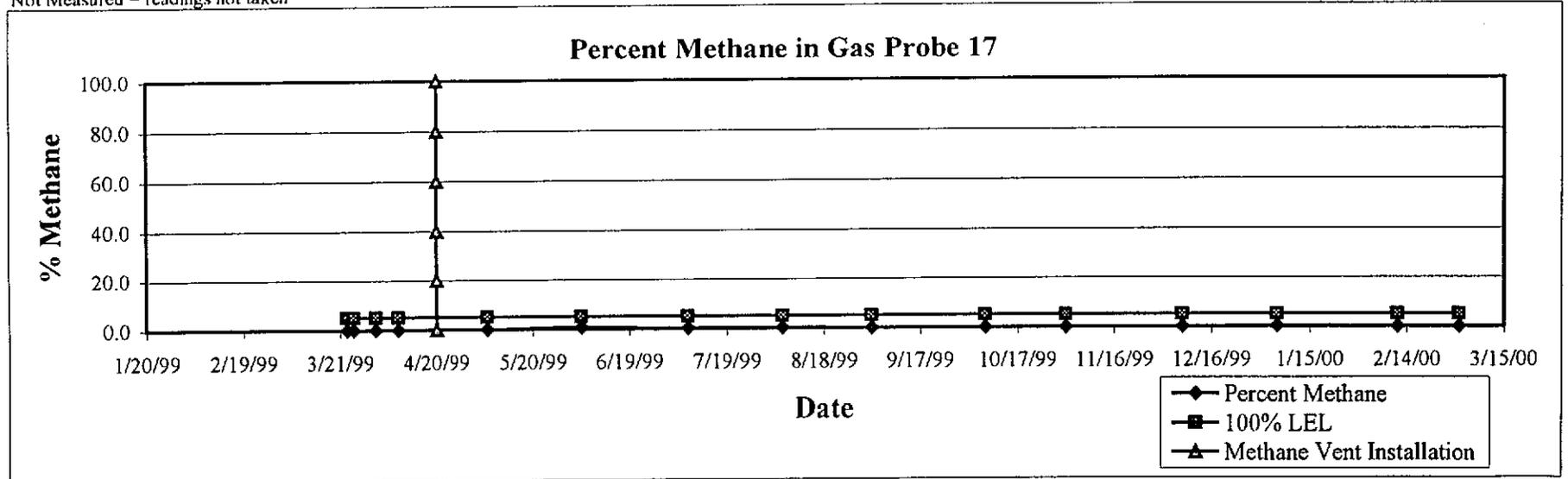


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SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 17	3/23/99	17:05	0		0.0	0.0	20.6	Not measured	80 seconds
	3/25/99	13:40	0		0.0	0.1	20.0	-0.02	Vacuum of 0.02 - readings recorded at 90 seconds - peak CH4 of 0.1% @ 20 seconds
	4/1/99	10:45	Did not record		0.0	0.3	19.4	0.00	Readings recorded at 180 seconds, DTW reading taken 4/1/99 = 10.00' TOC *(No H2O)
	4/8/99	14:40	Did not record		0.0	0.3	20.1	0.00	Readings stable at 120 seconds
	5/6/99	14:30	Did not record		0.0	0.7	19.2	0.00	Readings stable at 120 seconds
	6/4/99	12:35	12		0.6	1.5	17.9	0.00	Readings recorded at 180 seconds
	7/7/99	13:50	6		0.3	1.2	19.5	0.00	Readings recorded at 180 seconds
	8/5/99	14:10	6		0.3	2.2	18.8	0.00	Readings recorded after 2 purge volumes, no water in probe
	9/2/99	17:30	0		0.0	1.6	18.2	0.00	Readings recorded after 2 purge volumes, no water in probe
	10/7/99	13:20	0		0.0	0.3	19.5	0.00	Readings recorded after 2 purge volumes
	11/1/99	15:15	2		0.1	0.5	20.7	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:30	0		0.0	0.1	19.7	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:45	4		0.2	0.1	19.9	0.00	Readings recorded after 2 purge volumes
	2/11/00	11:15	0		0.0	0.0	20.1	0.00	Readings recorded after 2 purge volumes
	3/1/00	11:40	0		0.0	0.2	22.1	0.00	Readings recorded after 2 purge volumes

Not Measured = readings not taken



JACKSON COUNTY INDIANA
SUMMARY OF GAS MEASUREMENTS IN WELLS AND PROBES

Monitoring Point	Date	Time	LEL Meter	% LEL	% Methane	% CO2	% O2	Probe Pressure / Vacuum ("H2O)	Notes
Gas Probe 18	3/23/99	16:57	0		0.0	0.1	20.6	Not measured	60 seconds - steady
	3/25/99	13:20							Needs gas cap -- check for water DTW = 30.99' TOC DTB = 32.79' TOC
	4/1/99	10:40	Did not record		0.0	0.1	20.6	0.00	Capped, replaced with pressure cap, stable at 120 seconds
	4/8/99	14:30	Did not record		0.0	0.3	20.5	-0.10	Vacuum---readings stable at 120 seconds
	5/6/99	14:25	Did not record		0.0	0.4	19.7	0.02	Readings stable at 120 seconds
	6/4/99	12:30	12		0.6	1.3	18.9	-0.01	Vacuum, readings recorded at 180 seconds
	7/7/99	13:40	6		0.3	1.8	18.9	0.00	Readings recorded at 180 seconds
	8/5/99	14:00	2		0.1	2.8	18.2	-0.01	Readings recorded after 2 purge volumes, DTW = 31.75 ft @ 15:40, slight vacuum
	9/2/99	17:20	0		0.0	2.1	17.2	0.00	Readings recorded after 2 purge volumes, DTW = 31.75 ft
	10/7/99	13:15	0		0.0	2.3	17.8	0.00	Readings recorded after 2 purge volumes
	11/1/99	15:10	4		0.2	4.1	18.3	0.00	Readings recorded after 2 purge volumes
	12/7/99	13:20	0		0.0	4.0	17.5	0.00	Readings recorded after 2 purge volumes
	1/5/00	15:40	4		0.2	4.5	17.8	0.00	Readings recorded after 2 purge volumes
2/11/00	11:20	0		0.0	3.7	18.0	0.00	Readings recorded after 2 purge volumes	
3/1/00	11:45	0		0.0	3.8	20.2	0.00	Readings recorded after 2 purge volumes	

Not Measured = readings not taken

