1R - 0043

INVESTIGATION REPORT

2/19/2007



February 19, 2007

Integrated Environmental Solutions

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RECEIVED

Mr. Glen VonGoten New Mexico Energy, Minerals, and Natural Resources Department 12205 St. Francis Drive Santa Fe, NM 87205

FEB 22 2007

Oil Conservation Division Environmental Bureau

Subject: Final Report – Groundwater Evaluation Former Baker Oil Tools Facility 2800 West Marland – Hobbs, NM NMOCD Registration No. 1R0043

Dear Mr. VonGoten:

Enclosed are two copies of the report entitled *Results of 2006 Quarterly Investigation – Baker Oil Tools – Hobbs, New Mexico.* This report is being submitted in response to the request the NMOCD made via email on November 22, 2005 that Baker Oil Tools develop a plan for, and then implement four consecutive calendar quarters of groundwater sampling in order to determine the source and extent of previously identified impacted groundwater. The plan was submitted on February 24, 2006 and implementation began thereafter. The final, consecutive quarterly sample was collected in October 2006. This report summarizes the data collected, interpretations made, and conclusions/recommendations reached.

Should you have any questions or comments, please do not hesitate to contact either Ms. Myna Letlow (Baker Oil Tools HS&E Support Team) at 713-466-2955 or me at 512-329-3122.

Sincerely,

RMT, Inc.

Robert L. Sherrill Senior Consultant, Senior Geologist

Attachments

cc: Myna Letlow, Baker Oil Tools Central Files



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Results of 2006 Quarterly Investigation - Baker Oil Tools Hobbs, New Mexico

NMOCD Registration No. 1R0043

Baker Oil Tools former Hobbs, New Mexico Facility

January 2007



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Attachment A	2006 Groundwater Evaluation Work Plan
Attachment B	2003 Access Agreement For Keeling Distributing Access to Baker Oil Tools
	Wells
Attachment C	2006 Investigation Laboratory Report



Section 1 Site Investigation

The former Baker Oil Tools facility is located in the western portion of Hobbs, New Mexico (see Figure 1). Under BOT ownership, the site was an oil field logging support company which serviced oil wells throughout eastern New Mexico and western Texas. Associated with facility operations, a storm water impoundment was located in the northwest corner of the property. Ownership of the property was transferred from BOT to Ronald Nelson in April 24, 2003.

Baker Oil Tools (BOT) installed three monitor wells (MWs-1, 2, and 3) on the Hobbs facility site in 1992. In October 1994, an additional well, R-1, was installed immediately downgradient of the impoundment (located in the northwest corner of the property) and BOT began accessing the possible impact to the site groundwater from the impoundment. These wells are identified on the site well location map included as Figure 2. On November 17, 1994, BOT collected groundwater samples from the four monitor wells (identified as MW-1, 2, 3, and R-1 on Figure 2) and from a deep water supply well located on-site (identified as WW-1 on Figure 2). The results of the sampling were submitted to the New Mexico Oil Conservation Division (NMOCD) on January 13, 1995.

Correspondence dated March 8, 1995 was received from the NMOCD which acknowledge that the impact to the deep supply well (WW-1) was most likely from the upgradient neighbor and requested that BOT address the impact found in the shallow wells located near the impoundment.

In 1999, BOT began a sampling program to assess the impact to the groundwater. Groundwater samples were analyzed from these four shallow monitor wells and the one deep supply well on the following dates:

December 21, 1999	Ma
December 5, 2000	Dec
December 28, 2004	

March 29, 2000 December 5, 2001 June 27, 2000 March 12, 2003

September 27, 2000 April 6, 2004

The results of the quarterly and then annual sample analysis were submitted to the NMOCD as received. Contact, via electronic mail, was made with the NMOCD by Baker Hughes (parent company to BOT) on November 22, 2005 requesting discontinuing the annual monitoring and no further action closure of the site. Communication via electronic mail was received by Baker

Hughes from the NMOCD on December 1, 2005 requiring four quarterly groundwater samples under OCD Rule 19B.(4)(19.15.1 NMAC) before abatement could be considered complete.

On February 24, 2006, Baker Hughes submitted, to the NMOCD, a work plan for sampling and analysis of the upgradient well (MW-1) and two downgradient wells (R-1 and MW-3) for four quarters in 2006 with samples analyzed for the two constituents of concern (COC) identified in the previous analysis, 2-methylnaphthalene and naphthalene. In addition, fluid level measurements would be made in all on-site wells during each sampling event. A copy of the submittal is located in Attachment A.

The four quarters of sampling were performed on the following dates:

February 10, 2006 April 13, 2006 August 8, 2006 October 20, 2006

During completion of the 2006 investigation, one well not belonging to BOT was identified onsite (MW-16 on Figure 2). In addition, wells belonging to BOT had well numbers different from the well label written on the wells, and there was evidence that some wells were sampled between BOT sampling events. A search of the Baker Hughes files identified April 3, 2003 access agreement for entrance onto BOT property and use of BOT wells by Keeling Distributing Company (see Attachment B for copy of agreement). Since the results of the 2006 investigation provided indications of an upgradient source of the shallow groundwater impact, it was decided to complete a search of the New Mexico data base and make contact with Keeling Distributing in order to obtain data information from the upgradient property. An attempt to find contact information for Keeling Distributing Company resulted in being referred to their consultant, NSYNC. NSYNC was contacted and information related to the upgradient site requested. The information was received in early December 2006.

The results of the 2006 investigation, both data collected by Baker Hughes and information received from NSYNC, are discussed in detail in Section 2.



Section 2 Groundwater Flow Evaluation

On each of the sampling dates identified in Section 1, LNAPL, groundwater, and DNAPL measurements were made in each well. No indications of a LNAPL or DNAPL component phases were identified in any of the wells during the investigation. Table 1 is a summary of the historical fluid level measurements at the BOT facility as well as a summary of all historical Keeling facility fluid level data received from NSYNC.

Figures 3, 4, and 5 are potentiometric maps of the static water conditions at the BOT facility at the time of the February, April, and August sampling events, respectively. Figure 6 is a potentiometric map and phase-separated hydrocarbon map of the combined BOT and Keeling Distributing properties for data collected in October 2006. As indicated on the maps, groundwater flow from the area of the BOT impoundment is towards the east to east-southeast Table 2 is a summary of the determination of groundwater flow parameters from all historical fluid level measurements. The results are as follows:

		<u>BOT 2006</u>	<u>NYSNC</u>
Parameter		Investigation	Historical
			<u>Measurements</u>
Upgradient Water Levels (MW-1), feet	Max	3589.71	3594.58
	Min	3588.99	3588.20
	Average	3589.40	3590.24
Downgradient Water Level (MW-3), feet	Max	3589.63	3594.31
	Min	3588.91	3587.97
	Average	3589.29	3589.96
Head Difference Across Site, feet	Max	0.14	0.68
	Min	0.08	0.08
	Average	0.10	0.28
Flow Gradient, feet per foot	Max	0.0007	0.0032
	Min	0.0004	0.0004
	Average	0.0005	0.0013
Flow Velocity, foot per day	Max	0.04	0.18
	Min	0.02	0.02
	Average	0.03	0.07
Flow Direction, degrees from true north	Max	126°	135°
	Min	93°	93°
	Average	11 7 °	120°

As seen on Figure 6, with the addition of the Keeling Distributing fluid level measurements from October 20, 2006, in the offsite area south of the BOT property the groundwater flow turns more southeasterly with relatively the same flow gradient and velocity as on-site.



Table 3 is a summary of the available historical groundwater analytical data collected by BOT and provided by Keeling Distributing. Refer to Figure 2 for sample locations. As discussed earlier, Keeling Distributing sampled the BOT on-site wells under an access agreement. Keeling Distributing assigned different well identification numbers as follows:

Baker Oil Tools	Keeling Distributing
Well ID Number:	Well ID Number:
MW-1	MW-10
MW-2	MW-12
MW-3	MW-13
R-1	MW-11
WW-1	MW-9

In the summary tables, both well designations are given in order to avoid confusion.

During the 2006 investigation, concentrations of 2-methylnaphthalene and naphthalene were not identified above the 0.005 mg/L method detection limit in wells MW-1 and MW-3. Concentrations declining to non-detectable levels of both constituents were identified in well R-1 during the first three quarterly sampling events. Concentrations of 2-methylnaphthalene, in the February, April, and August events were 0.012 mg/L, 0.008 mg/L, and <0.005 mg/L respectively. Concentrations of naphthalene during the same events were 0.010 mg/L, 0.008 mg/L, and <0.005 mg/L respectively. Then, during the fourth quarterly event in October 2006, 2-methylnaphthalene was 0.039 mg/L and naphthalene was 0.017 mg/L reversing a trend of declining values. This declining trend reversal is graphically depicted on Table 4. Given the groundwater flow direction, the absence of naphthalene constituents in the target source (the closed surface impoundment), and the historical contamination trend, an upgradient source became apparent.

Copies of the laboratory reports for the four 2006 investigation sampling events are located in Attachment C.



Figure 6 is a map indicating both the BOT and the Keeling Distributing October 2006 analytical results and LNAPL measurements. As demonstrated by the figure, the sudden increase in the naphthalene constituents in well R-1 is due to it's location in a flank-downgradient flow path from the LNAPL/dissolved naphthalene plume identified to be eminanting from the Keeling property. Without this upgradient, offsite source, the declining trend, which had fallen below the method detection limits during the summer of 2006, would likely continue.

Table 5 is a graphic representation which utilizes historical naphthalene values in wells located along the flow-path from the Keeling Distributing property to BOT well R-1. The sample locations utilized (locations identified on Figure 2) are Keeling Distributing wells MW-7, MW-4, and BOT well R-1. The two graphs in Table 5 are of the same data. The column graph demonstrates the concentration increase and decrease in the sequence of wells as the plume moves downgradient. The linear graph demonstrates the wave-front movement of the naphthalene from upgradient source area to BOT well R-1.



Section 5 Conclusions and Recommendations

Based upon the data collected during the 2006 BOT facility investigation, the historical on-site data collected prior to 2006, and the historical data from the upgradient, offsite property provided by Keeling Distributing, the following conclusions are made:

- Groundwater concentrations of 2-methylnaphthalene and naphthalene had degraded under natural attenuation conditions to a level below method detection limits.
- The area of concern at the BOT facility is in a direct flow-path downgradient from an existing offsite naphthalene plume and phase-separated hydrocarbon plume (probably the source).
- As long as the upgradient, offsite source exists, "spikes" in the naphthalene constituent concentrations in BOT monitor wells within direct flow-path intercept will continue to occur periodically dependent on the dynamics of groundwater recharge and flow.
- No evidence could be found to indicate that any of the constituents of concern were from the BOT closed surface impoundment and that the impoundment has been successfully remediated and closed and no longer affords a threat to the environment.

Upon receipt of approval of the closure of the surface impoundment by the NMOCD, Baker Hughes recommends the following actions:

- Removal of all equipment and materials associated with the on-going investigation.
- Plug and abandonment of the four BOT monitor wells (MWs-1, 2, 3, and R-1).
- Submittal in writing to the NMOCD that the above actions have been completed.

Should the NMOCD desire that the four monitor wells remain in-place for use in unrelated investigations by non-Baker Hughes entities, Baker Hughes will provide all information related to the wells and correspondence transferring ownership and responsibility of the wells.







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			Well			Top Casing	Non-Aqeous Phase Liqui	ids (Light)		Groundwater		Non-Aqeous	: Phase Liquids	(Dense)
BOT Well	KDC Well	Well	Raker Tools	Measured	Measured By:	Elevation	Top of LNAPLs	Thickness	Top of Gro	undwater	Corrected	Top of DN	VAPLs	Thickness
2			Site			ft-msl	ft-btoc ft-msi	feet	ft-btoc	ft-ms!	ft-msl	ft-btoc	ft-msl	feet
Baker	Tools w	ell MW.	-1 Utilized	by Keeling	Petroleum	1 as Downg	gradient Well Designa	ated by ther	n as "MW-	10"				
MW-1		BOT	On-Site	17-Nov-94	BOT	3626.98	No LNAPLs Identified	0.00	32.40	3594.58	3594.58	No DNAPLS	Identified	0.00
MW-1		BOT	On-Site	29-Mar-00	BOT	3626.98	No LNAPLs Identified	0.00	35.45	3591.53	3591.53	No DNAPLS I	Identified	0.00
MW-1	-	BOT	On-Site	27-Sep-00	BOT	3626.98	No LNAPLs Identified	00.0	36.09	3590.89	3590.89	No DNAPLS	Identified	0.00
MW-1		BOT	On-Site	5-Dec-00	BOT	3626.98	No LNAPLs Identified	00.0	36.02	3590.96	3590.96	No DNAPLS I	Identified	0.00
MW-1		BOT	On-Site	5-Dec-01	BOT	3626.98	No LNAPLs identified	0.00	36.77	3590.21	3590.21	No DNAPLS	Identified	0.00
MW-1		BOT	On-Site	12-Mar-03	BOT	3626.98	No LNAPLs Identified	00.0	37.88	3589.10	3589.10	No DNAPLS	Identified	0.00
MW-1		BOT	On-Site	6-Apr-04	BOT	3626.98	No LNAPLs Identified	00.0	38.78	3588.20	3588.20	No DNAPLS	Identified	0.00
MW-1	MW-10	KPC	On-Site	12-May-04	KPC	3626.98	No NAPLs Present	0.00	38.86	3588.12	3588.12	Unknown f	from fluid level r	ecords
MW-1	MW-10	KPC	On-Site	13-Aug-04	KPC	3626.98	No NAPLs Present	00.0	38.95	3588.03	3588.03	Unknown f	from fluid level n	ecords
MW-1	MW-10	KPC	On-Site	11-Nov-04	KPC	3626.98	No NAPLs Present	00.0	37.88	3589.10	3589.10	Unknown f	from fluid level r	ecords
MW-1		BOT	On-Site	28-Dec-04	BOT	3626.98	No LNAPLs Identified	0.00	37.17	3589.81	3589.81	No DNAPLS I	Identified	0.00
MW-1	MW-10	KPC	On-Site	15-Mar-05	KPC	3626.98	No NAPL's Present	0.00	37.04	3589.94	3589.94	Unknown f	from fluid level r	ecords
MW-1	MW-10	KPC	On-Site	16-Jun-05	KPC	3626.98	No NAPLs Present	00.0	36.99	3589.99	3589.99	Unknown f	from fluid level r	ecords
MW-1	1	BOT	On-Site	10-Feb-06	BOT	3626.98	No LNAPLs Identified	0.00	37.45	3589.53	3589.53	No DNAPLS	Identified	0.00
MW-1		BOT	On-Site	13-Apr-06	BOT	3626.98	No LNAPLs Identified	0.00	37.63	3589.35	3589.35	No DNAPLS	Identified	0.00
MW-1	MW-10	KPC	On-Site	1-Jun-06	KPC	3626.98	No NAPLs Present	00.0	37.81	3589.17	3589.17	Unknown f	from fluid level r	ecords
MW-1		BOT	On-Site	8-Aug-06	BOT	3626.98	No LNAPLs Identified	0.00	37.99	3588.99	3588.99	No DNAPLS	ldentified	0.00
MW-1	+	BOT	On-Site	5-Oct-06	BOT	3626.98	No LNAPLs Identified	0.00	37.27	3589.71	3589.71	No DNAPLS	Identified	0.00
MW-1	MW-10	KPC	On-Site	20-Oct-06	KPC	3626.98	No NAPLs Present	0.00	37.24	3589.74	3589.74	Unknown f	from fluid level r	scords
Baker	Tools w	ell MW-	-2 Utilized	by Keeling	Petroleum	ז as Downg	gradient Well Designa	ited by ther	n as "MW-	12"				
MW-2	3	BOT	On-Site	17-Nov-94	BOT	3626.40	No LNAPLs Identified	00.0	32.02	3594.38	3594.38	No DNAPLS I	Identified	0.00
MW-2	1	BOT	On-Site	29-Mar-00	BOT	3626.40	No LNAPLs Identified	0.00	35.23	3591.17	3591.17	No DNAPLS	Identified	0.00
MW-2	-	BOT	On-Site	27-Sep-00	BOT	3626.40	No LNAPLs Identified	0.00	35.68	3590.72	3590.72	No DNAPLS I	ldentified	0.00
MW-2		BOT	On-Site	5-Dec-00	BOT	3626.40	No LNAPLs Identified	0.00	35.62	3590.78	3590.78	No DNAPLS	Identified	0.00
MW-2		BOT	On-Site	5-Dec-01	BOT	3626.40	No LNAPLs Identified	00.0	36.59	3589.81	3589.81	No DNAPLS	ldentified	0.00
MW-2		BOT	On-Site	12-Mar-03	BOT	3626.40	No LNAPLs Identified	0.00	37.77	3588.63	3588.63	No DNAPLS	Identified	0.00
MW-2		BOT	On-Site	6-Apr-04	BOT	3626.40	No LNAPLs Identified	0.00	38.36	3588.04	3588.04	No DNAPLS	Identified	0.00
MW-2	MW-12	КР О	On-Site	12-May-04	КРС	3626.40	No NAPLs Present	0.00	38.42	3587.98	3587.98	Unknown f	from fluid level r	ecords
MW-2	MW-12	КРС	On-Site	13-Aug-04	КРС	3626.40	No NAPLs Present	0.00	38.56	3587.84	3587.84	Unknown f	from fluid level r	ecords
MW-2	MW-12	КРС	On-Site	11-Nov-04	КРС	3626.40	No NAPLs Present	0.00	37.48	3588.92	3588.92	Unknown f	from fluid level r	ecords
MW-2	1	BOT	On-Site	28-Dec-04	BOT	3626.40	No LNAPLs Identified	0.00	36.76	3589.64	3589.64	No DNAPLS	Identified	0.00
MW-2	MW-12	KPC	On-Site	15-Mar-05	KPC C	3626.40	No NAPLs Present	0.00	36.60	3589.80	3589.80	Unknown f	from fluid level r	ecords
MW-2	MW-12	КРС	On-Site	16-Jun-05	КРС	3626.40	No NAPL's Present	0.00	36.64	3589.76	3589.76	Unknown f	from fluid level r	ecords
MW-2	MW-12	KPC	On-Site	6-Aug-05	KPC	3626.40	No NAPLs Present	0.00	37.14	3589.26	3589.26	Unknown f	from fluid level r	acords
MW-2	MW-12	KPC	On-Site	21-Sep-05	KPC	3626.40	No NAPLs Present	0.00	36.75	3589.65	3589.65	Unknown f	from fluid level r	ecords
MW-2	MW-12	KPC	On-Site	29-Dec-05	КРС	3626.40	No NAPLs Present	0.00	36.82	3589.58	3589.58	Unknown f	from fluid level r	ecords
MW-2		BOT	On-Site	10-Feb-06	BOT	3626.40	No LNAPLs Identified	0.00	37.03	3589.37	3589.37	No DNAPLS	Identified	0.00
MW-2	1	BOT	On-Site	13-Apr-06	BOT	3626.40	No LNAPLs Identified	0.00	37.24	3589.16	3589.16	No DNAPLS	Identified	0.00
MW-2	MW-12	КРО ОЧХ	On-Site	1-Jun-06	KPC	3626.40	No NAPLs Present	0.00	37.43	3588.97	3588.97	Unknown 1	from fluid level r	ecords
MW-2		BOT	On-Site	8-Aua-06	BOT	3626.40	No LNAPLs Identified	00.00	37.60	3588.80	3588.80	No DNAPLS	Identified	0.00

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TABLE 1 SUMMARY OF AREA FLUID LEVEL MEASURMENTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

			Well			Top Casing	Non-Aqeous Phase Liqui	ds (Light)		Groundwater		Non-Ageous Pha	ise Liquids (Dense)
BOT Well	KDC Well	Well	Location to Baker Tools	Date Neasured	Measured By:	Elevation	Top of LNAPLs	Thickness	Top of Gro	undwater	Corrected	Top of DNAPL	, v	Thickness
<u>ر</u> ۴	E 2		Site	3		ft-msl	ft-btoc ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc ft	-msl	feet
MW-2		BOT	On-Site	5-Oct-06	BOT	3626.40	No LNAPLs Identified	0.00	36.84	3589.56	3589.56	No DNAPLs Ident	tified	0.00
MW-2	MW-12	КРС	On-Site	20-Oct-06	КРС	3626.40	No NAPLs Present	0.00	36.81	3589.59	3589.59	Unknown from	fluid level rec	cords
Baker	Tools we	ell MW	-3 Utilized	by Keeling	Petroleum	as Downg	Iradient Well Designa	ited by ther	n as "MW-	13"				
MW-3		BOT	On-Site	17-Nov-94	BOT	3625.97	No LNAPLs Identified	0.00	31.66	3594.31	3594.31	No DNAPLs Ident	tified	0.00
MW-3		BOT	On-Site	29-Mar-00	BOT	3625.97	No LNAPLs Identified	0.00	34.88	3591.09	3591.09	No DNAPLs ident	tified	0.00
MW-3		BOT	On-Site	27-Sep-00	BOT	3625.97	No LNAPLs Identified	0.00	35.35	3590.62	3590.62	No DNAPLs ident	ified	0.00
MW-3		BOT	On-Site	5-Dec-00	BOT	3625.97	No LNAPLs Identified	0.00	35.22	3590.75	3590.75	No DNAPLs Ident	tified	0.00
MW-3	-	BOT	On-Site	5-Dec-01	BOT	3625.97	No LNAPLs Identified	0.00	36.28	3589.69	3589.69	No DNAPLs Ident	tified	0.00
MW-3		BOT	On-Site	12-Mar-03	BOT	3625.97	No LNAPLs Identified	0.00	37.55	3588.42	3588.42	No DNAPLs Ident	tified	0.00
MW-3		BOT	On-Site	6-Apr-04	BOT	3625.97	No LNAPLs Identified	0.00	38.00	3587.97	3587.97	No DNAPLs Ident	tified	0.00
MW-3	MW-13	KPC	On-Site	12-May-04	KPC	3625.97	No NAPLs Present	0.00	38.06	3587.91	3587.91	Unknown from	fluid level re	cords
MW-3	MW-13	КРО ОЧХ	On-Site	13-Aug-04	KPC	3625.97	No NAPLs Present	0.00	38.19	3587.78	3587.78	Unknown from	fluid level re	cords
MW-3	MW-13	KPC	On-Site	11-Nov-04	KPC	3625.97	No NAPLs Present	0.00	37.10	3588.87	3588.87	Unknown from	fluid level re	cords
MW-3		BOT	On-Site	28-Dec-04	BOT	3625.97	No LNAPLs Identified	0.00	36.48	3589.49	3589.49	No DNAPLs Ident	tified	0.00
MW-3	MW-13	KPC	On-Site	15-Mar-05	KPC	3625.97	No NAPLs Present	0.00	36.24	3589.73	3589.73	Unknown from	fluid level re	cords
MW-3	MW-13	КРС	On-Site	16-Jun-05	KPC	3625.97	No NAPLs Present	0.00	36.18	3589.79	3589.79	Unknown from	fluid level re	cords
MW-3	MW-13	KPC	On-Site	6-Aug-05	KPC	3625.97	No NAPLS Present	0.00	36.70	3589.27	3589.27	Unknown from	fluid level re	cords
MW-3	MW-13	KPC	On-Site	21-Sep-05	KPC	3625.97	No NAPLs Present	0.00	36.28	3589.69	3589.69	Unknown from	fluid level re-	cords
MW-3	MW-13	KPO	On-Site	29-Dec-05	КРС	3625.97	No NAPLs Present	00.00	36.36	3589.61	3589.61	Unknown from	fluid level re-	cords
MW-3		BOT	On-Site	10-Feb-06	BOT	3625.97	No LNAPLs Identified	0.00	36.55	3589.42	3589.42	No DNAPLs Ident	tified	0.00
MW-3		BOT	On-Site	13-Apr-06	BOT	3625.97	No LNAPLs Identified	0.00	36.76	3589.21	3589.21	No DNAPLs Ident	tified	0.00
MW-3	1	BOT	On-Site	8-Aug-06	BOT	3625.97	No LNAPLs Identified	0.00	37.06	3588.91	3588.91	No DNAPLs Ident	tified	0.00
MW-3		BOT	On-Site	5-Oct-06	BOT	3625.97	No LNAPLs Identified	0.00	36.34	3589.63	3589.63	No DNAPLs ident	tified	0.00
MW-3	MW-13	KPC	On-Site	20-Oct-06	КРС	3625.97	No NAPLs Present	0.00	36.28	3589.69	3589.69	Unknown from	fluid level re	cords
Baker	Tools w(ell R-1	Utilized by	/ Keeling P€	stroleum as	s Downgra	dient Well Designate	d by them	as "MW-11	E				
R-1		BOT	On-Site	17-Nov-94	BOT	3626.84	No LNAPLs Identified	00.00	32.36	3594.48	3594.48	No DNAPLs Ident	tified	0.00
R-1		BOT	On-Site	27-Sep-00	BOT	3626.84	No LNAPLS Identified	0.00	36.08	3590.76	3590.76	No DNAPLs Ident	tified	0.00
R-1	1	BOT	On-Site	5-Dec-00	BOT	3626.84	No LNAPLs Identified	0.00	35.94	3590.90	3590.90	No DNAPLs Ident	tified	0.00
R-1		BOT	On-Site	5-Dec-01	BOT	3626.84	No LNAPLs Identified	0.00	36.85	3589.99	3589.99	No DNAPLs Ident	tified	0.00
г .		BOT	On-Site	12-Mar-03	BOT	3626.84	No LNAPLs Identified	0.00	37.92	3588.92	3588.92	No DNAPLs Iden	tified	0.00
R-1		BOT	On-Site	6-Apr-04	BOT	3626.84	No LNAPLs Identified	0.00	38.69	3588.15	3588.15	No DNAPLs Iden	tified	0.00
Ŗ-1	MW-11	КР О	On-Site	12-May-04	КРС	3626.84	No NAPLs Present	0.00	38.79	3588.05	3588.05	Unknown from	fluid level re	cords
R-1	MW-11	KPC	On-Site	13-Aug-04	KPC	3626.84	No NAPLS Present	0.00	38.87	3587.97	3587.97	Unknown from	fluid level re	cords
R-1	MW-11	KPC C	On-Site	11-Nov-04	КРС	3626.84	No NAPLs Present	0.00	37.81	3589.03	3589.03	Unknown from	fluid level re	cords
R-1	1	BOT	On-Site	28-Dec-04	BOT	3626.84	No LNAPLs Identified	0.00	37.09	3589.75	3589.75	No DNAPLs Ident	tified	0.00
R-1	MW-11	KPC	On-Site	15-Mar-05	КРС	3626.84	No NAPLs Present	0.00	36.95	3589.89	3589.89	Unknown from	fluid level re	cords
R-1	MW-11	КРС	On-Site	16-Jun-05	KPC	3626.84	No NAPLs Present	0.00	36.92	3589.92	3589.92	Unknown fram	fluid level re	cords
R-1	MW-11	КРС	On-Site	6-Aug-05	KPC	3626.84	No NAPLs Present	0.00	37.35	3589.49	3589.49	Unknown from	fluid level re	cords
Р. -	MW-11	KPC	On-Site	21-Sep-05	KPC	3626.84	No NAPLs Present	0.00	37.05	3589.79	3589.79	Unknown fram	fluid level re	cords
г. 1	MW-11	АРО ОЧХ	On-Site	29-Dec-05	КРС	3626.84	No NAPLs Present	0.00	37.26	3589.58	3589.58	Unknown from	fluid level re	cords

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Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043 TABLE 1 SUMMARY OF AREA FLUID LEVEL MEASURMENTS

			Well			Top Casing	Non-Ageous	Phase Liquid	s (Light)		Groundwater		Non-Ageous Phase Liquic	s (Dense)
BOT Well	KDC Well	Owner	Location to Baker Tools	Date Neasured	leasured By:	Elevation	Top of LN	APLs	Thickness	Top of Gro	undwater	Corrected	Top of DNAPLs	Thickness
	2		Site			ft-msl	ft-btoc	ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc ft-msi	feet
R-1		BOT	On-Site	10-Feb-06	BOT	3626.84	No LNAPLS IC	dentified	0.00	37.35	3589.49	3589.49	No DNAPLs Identified	0.00
R-1		BOT	On-Site	13-Apr-06	BOT	3626.84	No LNAPLS IC	dentified	0.00	37.54	3589.30	3589.30	No DNAPLs Identified	0.00
R-1		BOT	On-Site	8-Aug-06	BOT	3626.84	No LNAPLS IC	dentified	0.00	37.92	3589.52	3588.92	No DNAPLs Identified	0.00
R-1	1	BOT	On-Site	5-Oct-06	BOT	3626.84	No LNAPLS IC	dentified	0.00	37.15	3589.69	3589.69	No DNAPLs Identified	0.00
Baker	Tools de	ins dea	oply well V	VW-1 Utilize	d by Keeli	ing Petrole	um as Down	igradient V	Vell Design	nated by t	hem as "M	9"		
WW-1 ^{LA}		BOT	On-Site	17-Nov-94	BOT	3626.82	No LNAPLs Id	dentified	0.00	31.76	3595.06	3595.06	No DNAPLs Identified	0.00
WW-1 ^{LA}		BOT	On-Site	29-Mar-00	BOT	3626.82	No LNAPLS IC	dentified	0.00	35.01	3591.81	3591.81	No DNAPLs Identified	0.00
WW-1 ^{LA}		BOT	On-Site	27-Sep-00	BOT	3626.82	No LNAPLS IG	dentified	0.00	35.57	3591.25	3591.25	No DNAPLs Identified	0.00
WW-1 ^{LA}	1	BOT	On-Site	5-Dec-00	BOT	3626.82	No LNAPLS IC	dentified	0.00	35.39	3591.43	3591.43	No DNAPLs Identified	0.00
WW-1 ^{LA}		BOT	On-Site	5-Dec-01	BOT	3626.82	No LNAPLs lo	dentified	0.00	36.23	3590.59	3590.59	No DNAPLs Identified	0.00
WW-1 ^{LA}	1	BOT	On-Site	12-Mar-03	BOT	3626.82	No LNAPLS IC	dentified	0.00	37.28	3589.54	3589.54	No DNAPLs Identified	00.0
WW-1 ^{LA}		BOT	On-Site	6-Apr-04	BOT	3626.82	No LNAPLS IC	dentified	0.00	37.10	3589.72	3589.72	No DNAPLs Identified	00.00
WW-1	6-WM	KPC	On-Site	12-May-04	KPC	3626.82	No NAPLS P	resent	0.00	38.19	3588.63	3588.63	Unknown from fluid level	records
WW-1LA	6-WW	KPC	On-Site	13-Aug-04	KPC	3626.82	No NAPLS P	Present	0.00	38.29	3588.53	3588.53	Unknown from fluid level	records
WW-1 ^{LA}	6-WM	KPC	On-Site	11-Nov-04	KPC	3626.82	NO NAPLS P	resent	0.00	37.21	3589.61	3589.61	Unknown from fluid level	records
WW-1		BOT	On-Site	28-Dec-04	BOT	3626.82	NO LNAPLS IC	dentified	0.00	36.60	3590.22	3590.22	No DNAPLs Identified	00.0
WW-1	6-WW	KPC	On-Site	15-Mar-05	КРС	3626.82	No NAPLS P	resent	0.00	36.29	3590.53	3590.53	Unknown from fluid level	records
WW-1	6-WM	KPC	On-Site	16-Jun-05	KPC	3626.82	No NAPLS P	resent	0.00	36.29	3590.53	3590.53	Unknown from fluid level	records
WW-1	6-WW	KPC	On-Site	6-Aug-05	KPC	3626.82	No NAPLS P	resent	0.00	36.71	3590.11	3590.11	Unknown from fluid level	records
WW-1	6-WW	KPC	On-Site	21-Sep-05	KPC	3626.82	No NAPLS P	resent	0.00	36.43	3590.39	3590.39	Unknown from fluid level	records
WW-1 ^{LA}	6-WM	KPC	On-Site	29-Dec-05	KPC	3626.82	No NAPLS P	resent	0.00	36.52	3590.30	3590.30	Unknown from fluid level	records
WW-1 ^{LA}		BOT	On-Site	10-Feb-06	BOT	3626.82	No LNAPLS IC	dentified	0.00	36.74	3590.08	3590.08	No DNAPLs Identified	0.00
WW-1		BOT	On-Site	13-Apr-06	BOT	3626.82	No LNAPLS IC	dentified	0.00	36.95	3589.87	3589.87	No DNAPLs Identified	0.00
WW-1LA	6-WW	KPC	On-Site	1-Jun-06	КРС	3626.82	No NAPLS P	resent	0.00	37.14	3589.68	3589.68	Unknown from fluid level	records
WW-1		BOT	On-Site	8-Aug-06	BOT	3626.82	No LNAPLS IC	dentified	0.00	37.31	3589.51	3589.51	No DNAPLs Identified	0.00
WW-1	1	BOT	On-Site	5-Oct-06	BOT	3626.82	No LNAPLS IC	dentified	0.00	36.59	3590.23	3590.23	No DNAPLs Identified	0.00
	MW-1	КРС	Off-Site	15-May-03	KPC	3627.17	42.34	3584.83	2.47	39.87	3587.30	3589.15	Unknown from fluid level	records
	MW-1	ХР О	Off-Site	12-May-04	KPC	3627.17	38.31	3588.86	1.93	40.24	3586.93	3588.38	Unknown from fluid level	records
	MW-1	KPC	Off-Site	13-Aug-04	KPC	3627.17	38.47	3588.70	>1.78	dwn	dwu	dwn	Unknown from fluid level	records
;	MW-1	KPC	Off-Site	11-Nov-04	KPC	3627.17	37.82	3589.35	0.09	37.91	3589.26	3589.33	Unknown from fluid level	records
;	MW-1	КРС	Off-Site	15-Mar-05	KPC	3627.17	Sheer	L	<0.01	ωu	шu	шu	Unknown from fluid level	records
;	MW-1	КР О	Off-Site	13-Apr-05	KPC	3627.17	36.83	3590.34	0.05	36.88	3590.29	3590.33	Unknown from fluid level	records
!	MW-1	КР О	Off-Site	16-May-05	KPC	3627.17	36.84	3590.33	0.06	36.90	3590.27	3590.32	Unknown from fluid level	records
1	MW-1	КРС	Off-Site	16-Jun-05	KPC	3627.17	No NAPLS P	resent	0.00	36.97	3590.20	3590.20	Unknown from fluid level	records
1	1-WM	KPC	Off-Site	6-Aug-05	KPC	3627.17	37.16	3590.01	0.05	37.21	3589.96	3590.00	Unknown from fluid level	records
;	MW-1	КР С	Off-Site	21-Sep-05	KPC	3627.17	No NAPLS P	resent	0.00	37.04	3590.13	3590.13	Unknown from fluid level	records
!	MW-1	АР О	Off-Site	29-Dec-05	KPC	3627.17	37.13	3590.04	0.06	37.19	3589.98	3590.03	Unknown from fluid level	records
1	HWM	ХРО О	Off-Site	1-Jun-06	КРС	3627.17	37.71	3589.46	0.27	37.98	3589.19	3589.39	Unknown from fluid level	records



TABLE 1 SUMMARY OF AREA FLUID LEVEL MEASURMENTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

			Well			Top Casino	Non-Ageo	us Phase Liquid	Is (Light)		Groundwater		Non-Aqeous Phase Líquids	s (Dense)
BOT Well	KDC Well	Well	Location to	Date	Measured By:	Elevation	Top of	LNAPLS	Thickness	Top of Gro	oundwater	Corrected	Top of DNAPLs	Thickness
5 ‡	# <u>2</u>		Site			ft-msl	ft-btoc	ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc ft-msl	feet
	MW-1	KPC	Off-Site	20-Oct-06	KPC	3627.17	чv	een	<0.01	37.19	3589.98	3589.98	Unknown from fluid level r	ecords
	MW-2A	KPC	Off-Site	15-May-03	КРС	3626.39	37.30	3589.09	<0.01	37.29	3589.10	3589.11	Unknown from fluid level r	ecords
	MW-2A	KPC	Off-Site	12-May-04	KPC	3626.39	37.98	3588.41	0.35	38.33	3588.06	3588.32	Unknown from fluid level r	ecords
	MW-2A	КРС	Off-Site	13-Aug-04	KPC	3626.39	38.12	3588.27	0.44	38.56	3587.83	3588.16	Unknown from fluid level r	ecords
7111	MW-2A	KPC	Off-Site	11-Nov-04	KPC	3626.39	37.06	3589.33	0.26	37.32	3589.07	3589.27	Unknown from fluid level r	ecords
	MW-2A	КРС	Off-Site	15-Mar-05	KPC	3626.39	36.17	3590.22	0.04	36.21	3590.18	3590.21	Unknown from fluid level r	ecords
	MW-2A	КР О	Off-Site	13-Apr-05	KPC	3626.39	36.11	3590.28	0.05	36.16	3590.23	3590.27	Unknown from fluid level r	ecords
	MW-2A	КРС	Off-Site	16-May-05	KPC	3626.39	36.14	3590.25	0.03	36.17	3590.22	3590.24	Unknown from fluid level r	ecords
	MW-2A	KPC	Off-Site	16-Jun-05	KPC	3626.39	36.18	3590.21	0.01	36.19	3590.20	3590.21	Unknown from fluid level r	ecords
	MW-2A	KPC	Off-Site	6-Aug-05	KPC	3626.39	36.43	3589.96	0.10	36.53	3589.86	3589.94	Unknown from fluid level r	ecords
1	MW-2A	КРС	Off-Site	21-Sep-05	KPC	3626.39	36.31	3590.08	0.06	36.37	3590.02	3590.07	Unknown from fluid level r	ecords
1	MW-2A	KPC	Off-Site	29-Dec-05	KPC	3626.39	36.39	3590.00	0.03	36.42	3589.97	3589.99	Unknown from fluid level r	ecords
:	MW-2A	KPC	Off-Site	1-Jun-06	KPC	3626.39	37.02	3589.37	0.04	37.06	3589.33	3589.36	Unknown from fluid level r	ecords
:	MW-2A	KPC	Off-Site	20-Oct-06	KPC	3626.39	36.44	3589.95	0.01	36.45	3589.94	3589.95	Unknown from fluid level r	ecords
	MW-3	KPC	Off-Site	15-May-03	KPC	3626.59	41.06	3585.53	1.89	39.17	3587.42	3588.84	Unknown from fluid level r	records
	MW-3	KPC	Off-Site	12-May-04	KPC	3626.59	39.95	3586.64	0.03	39.98	3586.61	3586.63	Unknown from fluid level i	records
:	MW-3	KPC	Off-Site	13-Aug-04	KPC	3626.59	39.11	3587.48	0.78	39.89	3586.70	3587.29	Unknown from fluid level i	ecords
	MW-3	КР О	Off-Site	11-Nov-04	KPC	3626.59	37.38	3589.21	0.59	37.97	3588.62	3589.06	Unknown from fluid level r	ecords
	MW-3	KPC	Off-Site	15-Mar-05	KPC	3626.59	36.39	3590.20	0.69	37.08	3589.51	3590.03	Unknown from fluid level I	ecords
	MW-3	КР О	Off-Site	13-Apr-05	KPC	3626.59	36.43	3590.16	0.17	36.60	3589.99	3590.12	Unknown from fluid level i	ecords
	MW-3	KPC	Off-Site	16-May-05	KPC	3626.59	36.44	3590.15	0.07	36.51	3590.08	3590.13	Unknown from fluid level a	ecords
:	MW-3	KPC	Off-Site	16-Jun-05	KPC	3626.59	36.44	3590.15	0.10	36.54	3590.05	3590.13	Unknown from fluid level i	records
	MW-3	KPC	Off-Site	6-Aug-05	KPC	3626.59	36.78	3589.81	0.31	37.09	3589.50	3589.73	Unknown from fluid level I	ecords
	MW-3	KPC	Off-Site	21-Sep-05	KPC	3626.59	36.62	3589.97	0.05	36.67	3589.92	3589.96	Unknown from fluid level r	records
	MW-3	KPC	Off-Site	29-Dec-05	KPC	3626.59	36.67	3589.92	0.10	36.77	3589.82	3589.90	Unknown from fluid level i	records
1	MW-3	KPC	Off-Site	1-Jun-06	KPC	3626.59	37.27	3589.32	0.36	37.63	3588.96	3589.23	Unknown from fluid level	records
	MW-3	KPC	Off-Site	20-Oct-06	KPC	3626.59	36.67	3589.92	0.51	37.18	3589.41	3589.79	Unknown from fluid level r	records
	MW-4	KPC	Off-Site	15-May-03	KPC	3626.87	No NAPL	s Present	0.00	37.39	3589.48	3589.48	Unknown from fluid level i	records
	MW-4	KPC	Off-Site	12-May-04	КРС	3626.87	No NAPL	s Present	0.00	38.71	3588.16	3588.16	Unknown from fluid level i	records
	MW-4	КР О	Off-Site	13-Aug-04	КРС	3626.87	No NAPL	s Present	0.00	38.78	3588.09	3588.09	Unknown from fluid level	records
	MW-4	KPO O	Off-Site	11-Nov-04	КРС	3626.87	No NAPL	s Present	0.00	37.72	3589.15	3589.15	Unknown from fluid level	records
	MW-4	КРО	Off-Site	15-Mar-05	KPC	3626.87	No NAPL	.s Present	0.00	36.84	3590.03	3590.03	Unknown from fluid level	records
	MW-4	KPC	Off-Site	16-Jun-05	KPC	3626.87	No NAPL	s Present	0.00	36.80	3590.07	3590.07	Unknown from fluid level	records
	MW-4	KPC	Off-Site	6-Aug-05	KPC	3626.87	No NAPL	s Present	0.00	37.13	3589.74	3589.74	Unknown from fluid level	records
	MW-4	KPC	Off-Site	21-Sep-05	KPC	3626.87	No NAPL	s Present	0.00	36.93	3589.94	3589.94	Unknown from fluid level	records
1	MW-4	KPC	Off-Site	29-Dec-05	КРС	3626.87	No NAPL	s Present	0.00	37.03	3589.84	3589.84	Unknown from fluid level	records
I	MW-4	KPC	Off-Site	1-Jun-06	КРС	3626.87	No NAPL	s Present	0.00	37.64	3589.23	3589.23	Unknown from fluid level	records
3 8 9 1	MW-4	KPC	Off-Site	20-Oct-06	KPC	3626.87	No NAPL	s Present	0.00	37.05	3589.82	3589.82	Unknown from fluid level	records
	MW-5	KPC	Off-Site	15-May-03	KPC	3627.26	No NAPL	s Present	0.00	38.09	3589.17	3589.17	Unknown from fluid level	records
	MW-5	KPC	Off-Site	12-May-04	KPC	3627.26	No NAPL	s Present	0.00	38.87	3588.39	3588.39	Unknown from fluid level	records
	MW-5	КР С	Off-Site	13-Aug-04	KPC	3627.26	No NAPL	s Present	0.00	38.99	3588.27	3588.27	Unknown from fluid level	records

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			Well			Ton Casing	Non-Ageo	us Phase Liquic	ds (Light)		Groundwater		Non-Aqeous F	Phase Liquids	Dense)
BOT Well	KDC Well	Weil	Location to Baker Tools	Date	Measured By:	Elevation	Top of I	NAPLS	Thickness	Top of Gr	oundwater	Corrected	Top of DN/	APLs	Thickness
		2	Site			ft-msl	ft-btoc	ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc	ft-msl	feet
	MW-5	KPC	Off-Site	11-Nov-04	КРС	3627.26	No NAPL:	s Present	0.00	37.94	3589.32	3589.32	Unknown fr	om fluid level re	cords
1	MW-5	KPC	Off-Site	15-Mar-05	KPC	3627.26	No NAPL	s Present	0.00	37.09	3590.17	3590.17	Unknown fre	om fluid level re	cords
;	MW-5	КРС	Off-Site	16-Jun-05	KPC	3627.26	No NAPL	s Present	0.00	37.04	3590.22	3590.22	Unknown fre	om fluid level re	cords
	MW-5	KPC	Off-Site	6-Aug-05	KPC	3627.26	No NAPL:	s Present	0.00	36.33	3590.93	3590.93	Unknown fr	om fluid level re	cords
1	MW-5	КРС	Off-Site	21-Sep-05	KPC	3627.26	No NAPL:	s Present	0.00	37.18	3590.08	3590.08	Unknown fr	om fluid level re	cords
	8-WM	КРО	Off-Site	29-Dec-05	KPC	3627.26	No NAPL:	s Present	0.00	37.32	3589.94	3589.94	Unknown fr	om fluid level re	cords
1	MW-5	КРО	Off-Site	1-Jun-06	KPC	3627.26	No NAPL:	s Present	0.00	37.91	3589.35	3589.35	Unknown fr	om fluid level re	cords
1	MW-5	КРС	Off-Site	20-Oct-06	KPC	3627.26	No NAPL:	s Present	0.00	37.33	3589.93	3589.93	Unknown fre	om fluid level re	cords
1	9-MW	KPC	 Off-Site 	15-May-03	КРС	3627.12	37.98	3589.14	0.06	37.92	3589.20	3589.25	Unknown fr	om fluid level re	cords
	9-WM	КРС	Off-Site	12-May-04	KPC	3627.12	38.57	3588.55	0.62	39.19	3587.93	3588.40	Unknown fre	om fluid level re	cords
1	9-WM	КРС	Off-Site	13-Aug-04	KPC	3627.12	38.70	3588.42	0.68	39.38	3587.74	3588.25	Unknown fr	om fluid level re	cords
	9-WM	КРС	Off-Site	11-Nov-04	KPC	3627.12	37.71	3589.41	0.18	37.89	3589.23	3589.37	Unknown fr	om fluid level re	cords
ł	9-WM	KPC	Off-Site	15-Mar-05	KPC	3627.12	No NAPL	s Present	0.00	36.88	3590.24	3590.24	Unknown fr	om fluid level re	cords
	9-MM	KPC	Off-Site	13-Apr-05	KPC	3627.12	36.74	3590.38	0.06	36.80	3590.32	3590.37	Unknown fr	om fluid level re	cords
;	9-WM	KPC	Off-Site	16-May-05	KPC	3627.12	36.76	3590.36	0.03	36.79	3590.33	3590.35	Unknown fr	om fluid level re	cords
	9-WM	КРС	Off-Site	16-Jun-05	KPC	3627.12	36.80	3590.32	0.04	36.84	3590.28	3590.31	Unknown fr	om fluid level re	cords
3	9-MM	KPO	Off-Site	6-Aug-05	KPC C	3627.12	36.08	3591.04	0.01	36.09	3591.03	3591.04	Unknown fr	om fluid level re	cords
	9-WM	KPC	Off-Site	21-Sep-05	КРС	3627.12	No NAPL:	s Present	0.00	36.96	3590.16	3590.16	Unknown fr	om fluid level re	cords
	MW-6	КРС	Off-Site	29-Dec-05	KPC C	3627.12	37.05	3590.07	0.06	37.11	3590.01	3590.06	Unknown fr	om fluid level re	cords
;	9-WM	КР С	Off-Site	1-Jun-06	КРС ОЧХ	3627.12	37.65	3589.47	0.09	37.74	3589.38	3589.45	Unknown fr	om fluid level re	cords
	MW-6	KPC	Off-Site	20-Oct-06	КРС	3627.12	She	een	<0.01	37.15	3589.97	3589.97	Unknown fr	om fluid level re	cords.
	7-WM	KPC	Off-Site	15-May-03	КРС	3627.24	No NAPL	s Present	0.00	38.00	3589.51	3589.51	Unknown fr	om fluid level re	cords
	MW-7	КРС	Off-Site	12-May-04	КРС	3627.24	No NAPL:	s Present	0.00	38.89	3588.35	3588.35	Unknown fre	om fluid level re	cords
;	MW-7	KPC	Off-Site	13-Aug-04	КРС	3627.24	No NAPL	s Present	0.00	39.01	3588.23	3588.23	Unknown fre	om fluid level re	cords
	MW-7	КРС	Off-Site	11-Nov-04	КРС	3627.24	No NAPL	s Present	0.00	37.95	3589.29	3589.29	Unknown fr	om fluid level re	cords
1	MW-7	KPC	Off-Site	15-Mar-05	КРС С	3627.24	No NAPLS	s Present	0.00	37.06	3590.18	3590.18	Unknown fr	om fluid level re	cords
1	MW-7	KPC	Off-Site	16-Jun-05	KPC	3627.24	No NAPL	s Present	0.00	37.02	3590.22	3590.22	Unknown fr	om fluid level re	cords
	7-WM	KPC	Off-Site	6-Aug-05	КРС	3627.24	No NAPL	s Present	0.00	37.31	3589.93	3589.93	Unknown fr	om fluid level re	cords
1	MW-7	KPC	Off-Site	21-Sep-05	KPC	3627.24	No NAPL	s Present	0.00	37.17	3590.07	3590.07	Unknown fr	om fluid level re	cords
	MW-7	KPC	Off-Site	29-Dec-05	КРС ОЧХ	3627.24	No NAPL	s Present	0.00	37.26	3589.98	3589.98	Unknown fr	om fluid level re	cords
1	MW-7	KPO	Off-Site	1-Jun-06	КРС	3627.24	No NAPL:	s Present	0.00	37.86	3589.38	3589.38	Unknown fre	om fluid level re	cords
	MW-7	KPC	Off-Site	20-Oct-06	КРС	3627.24	No NAPL	s Present	0.00	37.30	3589.94	3589.94	Unknown fr	om fluid level re	cords
	MW-8	КРС	Off-Site	15-May-03	KPC	3626.34	No NAPL	s Present	0.00	37.45	3588.89	3588.89	Unknown fr	om fluid level re	cords
1	MW-8	KPC	Off-Site	12-May-04	КРС	3626.34	38.08	3588.26	0.53	38.61	3587.73	3588.13	Unknown fr	om fluid level re	cords
;	MW-8	А О О	Off-Site	13-Aug-04	КРС	3626.34	38.24	3588.10	0.45	38.69	3587.65	3587.99	Unknown fr	om fluid level re	cords
1	MW-8	КРС	Off-Site	11-Nov-04	KPC	3626.34	37.18	3589.16	0.45	37.63	3588.71	3589.05	Unknown fre	om fluid level re	cords
	MW-8	КРС	Off-Site	15-Mar-05	KPC	3626.34	36.32	3590.02	0.06	36.38	3589.96	3590.01	Unknown fr	om fluid level re	cords
	MW-8	КРС	Off-Site	13-Apr-05	KPC	3626.34	36.27	3590.07	0.06	36.33	3590.01	3590.06	Unknown fre	om fluid level re	cords
	MW-8	КРС	Off-Site	16-May-05	КРС	3626.34	36.29	3590.05	0.10	36.39	3589.95	3590.03	Unknown fr	om fluid level re	cords
;	MW-8	KPO	Off-Site	16-Jun-05	КРС	3626.34	36.32	3590.02	0.02	36.34	3590.00	3590.02	Unknown fr	om fluid level re	cords
!	MW-8	KPC	Off-Site	6-Aug-05	Ч Ч С	3626.34	36.68	3589.66	0.06	36.74	3589.60	3589.65	Unknown fre	om fluid level re	cords



TABLE 1 TABLE 1 SUMMARY OF AREA FLUID LEVEL MEASURMENTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

			Well			Top Casing	Non-Ageor	us Phase Liquic	is (Light)		Groundwater		Non-Ageous	s Phase Liquids	(Dense)
BOT Well	KDC Well	Owner	Location to Baker Tools	Date Measured	Measured By:	Elevation	Top of L	-NAPLs	Thickness	Top of Grc	oundwater	Corrected	Top of DV	VAPLs	Thickness
:	:)	}	Site			ft-msl	ft-btoc	ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc	ft-msl	feet
!	MW-8	KPC	Off-Site	21-Sep-05	KPC	3626.34	36.48	3589.86	0.01	36.49	3589.85	3589.86	Unknown †	from fluid level r	ecords
	MW-8	KPC	Off-Site	29-Dec-05	KPC	3626.34	36.54	3589.80	0.02	36.56	3589.78	3589.80	Unknown i	from fluid level r	ecords
	MW-8	KPC	Off-Site	1-Jun-06	KPC	3626.34	37.11	3589.23	0.29	37.40	3588.94	3589.16	Unknown 1	from fluid level n	ecords
1	MW-8	KPC	Off-Site	20-Oct-06	KPC	3626.34	She	sen	<0.01	36.59	3589.75	3589.75	Unknown 1	from fluid level r	ecords
;;	MW-14	KPC	Off-Site	12-Mav-04	KPC	3626.38	37.76	3588.62	1.96	39.72	3586.66	3588.13	Unknown t	from fluid level r	ecords
	MW-14	KPC	Off-Site	13-Aug-04	KPC	3626.38	37.81	3588.57	2.54	40.35	3586.03	3587.94	Unknown 1	from fluid level r	ecords
	MW-14	KPC	Off-Site	11-Nov-04	КРС	3626.38	36.84	3589.54	1.86	38.70	3587.68	3589.08	Unknown t	from fluid level r	ecords
	MW-14	KPC	Off-Site	15-Mar-05	KPC	3626.38	36.12	3590.26	0.49	36.61	3589.77	3590.14	Unknown I	from fluid fevel r	ecords
3	MW-14	KPC	Off-Site	13-Apr-05	KPC	3626.38	36.08	3590.30	0.20	36.28	3590.10	3590.25	Unknown I	from fluid level r	ecords
1	MW-14	KPC	Off-Site	16-Mav-05	KPC	3626.38	36.15	3590.23	0.06	36.21	3590.17	3590.22	Unknown 1	from fluid level r	ecords
;	MW-14	KPC C	Off-Site	16-Jun-05	KPC	3626.38	36.31	3590.07	0.01	36.32	3590.06	3590.07	Unknown	from fluid level r	ecords
1	MW-14	KPC	Off-Site	6-Aug-05	KPC	3626.38	36.41	3589.97	0.20	36.61	3589.77	3589.92	Unknown I	from fluid level r	ecords
	MW-14	KPC	Off-Site	21-Sep-05	KPC	3626.38	36.28	3590.10	0.19	36.47	3589.91	3590.05	Unknown 1	from fluid level r	scords
	MW-14	KPC	Off-Site	29-Dec-05	KPC	3626.38	36.34	3590.04	0.31	36.65	3589.73	3589.96	Unknown	from fluid level r	ecords
	MW-14	KPC	Off-Site	1-Jun-06	KPC	3626.38	36.92	3589.46	0.63	37.55	3588.83	3589.30	Unknown	from fluid level r	scords
	MW-14	KPC	Off-Site	20-Oct-06	KPC	3626.38	36.24	3590.14	0.19	36.43	3589.95	3590.09	Unknown 1	from fluid fevel r	ecords
	MW-15	KPC	Off-Site	12-Mav-04	KPC	3626.29	38.14	3588.15	0.22	38.36	3587.93	3588.10	Unknown I	from fluid level r	ecords
;	MW-15	КРО	Off-Site	13-Aug-04	KPC	3626.29	38.29	3588.00	0.34	38.63	3587.66	3587.92	Unknown 1	from fluid level r	ecords
i	MW-15	KPC	Off-Site	11-Nov-04	KPC	3626.29	36.97	3589.32	1.77	38.74	3587.55	3588.88	Unknown 1	from fluid level r	ecords .
	MW-15	KPC	Off-Site	15-Mar-05	KPC	3626.29	36.20	3590.09	0.71	36.91	3589.38	3589.91	Unknown i	from fluid level r	scords
1	MW-15	KPC	Off-Site	13-Apr-05	КРС	3626.29	36.24	3590.05	0.15	36.39	3589.90	3590.01	Unknown 1	from fluid level r	ecords
	MW-15	KPC	Off-Site	16-May-05	KPC	3626.29	36.27	3590.02	0.13	36.40	3589.89	3589.99	Unknown i	from fluid level r	ecords
3	MW-15	КРС	Off-Site	16-Jun-05	KPC	3626.29	36.29	3590.00	0.09	36.38	3589.91	3589.98	Unknown I	from fluid level r	ecords
6.1.1	MW-15	KPC C	Off-Site	6-Aug-05	KPC	3626.29	36.61	3589.68	0.32	36.93	3589.36	3589.60	Unknown	from fluid level r	ecords
	MW-15	KPC	Off-Site	21-Sep-05	KPC	3626.29	36.45	3589.84	0.06	36.51	3589.78	3589.83	Unknown 1	from fluid level r	ecords
	MW-15	KPC	Off-Site	29-Dec-05	KPC	3626.29	36.49	3589.80	0.21	36.70	3589.59	3589.75	Unknown	from fluid level r	ecords
1	MW-15	KPC	Off-Site	1-Jun-06	KPC	3626.29	37.05	3589.24	0.46	37.51	3588.78	3589.13	Unknown	from fluid level r	ecords
	MW-15	KPC	Off-Site	20-Oct-06	KPC	3626.29	She	sen	<0.01	36.53	3589.76	3589.76	Unknown I	from fluid level r	ecords
	MW-16	KPC	Off-Site	12-May-04	KPC	3625.85	No NAPL	s Present	0.00	37.83	3588.02	3588.02	Unknown	from fluid level r	ecords
ļ	MW-16	KPC	Off-Site	13-Aug-04	KPC	3625.85	No NAPL	s Present	0.00	37.95	3587.90	3587.90	Unknown	from fluid level r	ecords
1	MW-16	KPC	Off-Site	11-Nov-04	KPC	3625.85	No NAPL:	s Present	0.00	36.92	3588.93	3588.93	Unknown	from fluid level r	ecords
1	MW-16	KPC	Off-Site	15-Mar-05	KPC	3625.85	No NAPL	s Present	0.00	36.02	3589.83	3589.83	Unknown	from fluid level r	ecords
	MW-16	KPC	Off-Site	16-Jun-05	KPC	3625.85	No NAPL:	s Present	0.00	35.94	3589.91	3589.91	Unknown	from fluid level r	ecords
	MW-16	КРС	Off-Site	6-Aug-05	KPC	3625.85	No NAPL	s Present	0.00	36.35	3589.50	3589.50	Unknown	from fluid level r	ecords
1	MW-16	KPC	Off-Site	21-Sep-05	KPC	3625.85	No NAPL:	s Present	0.00	36.09	3589.76	3589.76	Unknown	from fluid level r	ecords
3	MW-16	KPC	Off-Site	29-Dec-05	KPC	3625.85	No NAPL:	s Present	0.00	36.19	3589.66	3589.66	Unknown	from fluid level r	ecords
	MW-16	KPC	Off-Site	10-Feb-06	BOT	3625.85	No NAPL:	s Present	0.00	36.75	3589.10	3589.10	Unknown	from fluid level r	ecords
ļ	MW-16	KPC	Off-Site	13-Apr-06	BOT	3625.85	No NAPL:	s Present	0.00	36.40	3589.45	3589.45	Unknown	from fluid level r	ecords
	MW-16	КРС	Off-Site	1-Jun-06	KPC	3625.85	No NAPL:	s Present	0.00	36.58	3589.27	3589.27	Unknown	from fluid level r	ecords
ļ	MW-16	КР О	Off-Site	8-Aug-06	BOT	3625.85	No NAPL:	s Present	0.00	36.93	3588.92	3588.92	Unknown	from fluid level r	ecords
1	MW-16	KPC C	Off-Site	20-Oct-06	KPC	3625.85	No NAPL:	s Present	0.00	36.13	3589.72	3589.72	Unknown	from fluid level r	ecords

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TABLE 1 TABLE 1 SUMMARY OF AREA FLUID LEVEL MEASURMENTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

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			Well			Top Casing	Non-Aqeous F	hase Liquids	; (Light)	-	Groundwater		Non-Aqeou	us Phase Liquids	Dense)
BOT Well	KDC Well	Vell	Location to	Mostired	Measured By:	Elevation	Top of LNA	PLS	Thickness	Top of Gro	undwater	Corrected	Top of D	DNAPLS	fhickness
# 2	#		Site	De incealu		ft-msl	ft-btoc	ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc	ft-msi	feet
	MW-17	КРС	Off-Site	12-Mav-04	KPC	3627.04	No NAPLS Pr	esent	0.00	38.54	3588.50	3588.50	Unknown	n from fluid level re	cords
;	MW-17	KPC	Off-Site	13-Aug-04	KPC	3627.04	No NAPLS Pr	esent	0.00	38.63	3588.41	3588.41	Unknown	n from fluid level re	cords
	MW-17	КРС	Off-Site	11-Nov-04	KPC	3627.04	No NAPLS Pr	esent	0.00	37.54	3589.50	3589.50	Unknown	n from fluid level re	cords
	MW-17	КРС	Off-Site	15-Mar-05	КРС	3627.04	No NAPLS Pr	esent	00.0	36.65	3590.39	3590.39	Unknown	n from fluid level re	cords
	MW-17	N D C A Y	Off-Site	16-Jun-05	КРС	3627.04	No NAPLS Pr	esent	0.00	36.67	3590.37	3590.37	Unknown	n from fluid level re	cords
1	MW-17	N C A Y	Off-Site	6-Aug-05	KPC	3627.04	No NAPLS Pr	esent	0.00	36.41	3590.63	3590.63	Unknown	n from fluid level re	cords
	MW-17		Off-Site	21-Sep-05	KPC	3627.04	No NAPLS Pr	esent	0.00	36.77	3590.27	3590.27	Unknowr	n from fluid level re	cords
	MW-17) C C C C	Off-Site	29-Dec-05	KPO	3627.04	No NAPLS Pr	esent	0.00	36.89	3590.15	3590.15	Unknown	n from fluid level re	cords
	MW-17	N D A	Off-Site	1-Jun-06	КРС	3627.04	No NAPLS Pr	esent	0.00	37.52	3589.52	3589.52	Unknown	n from fluid level re	cords
	MW-17	D d X	Off-Site	20-Oct-06	КРС	3627.04	No NAPLS Pr	esent	0.00	36.95	3590.09	3590.09	Unknowr	n from fluid level re	cords
	MW-18	СЧХ	Off-Site	12-Mav-04	KPC	3626.43	No NAPLS Pr	esent	0.00	38.09	3588.34	3588.34	Unknowr	n from fluid level re	cords
	MW-18	C d X	Off-Site	13-Aug-04	KPC	3626.43	38.21 3	588.22	0.17	38.38	3588.05	3588.18	Unknowr	n from fluid level re	cords
	M///18		Off-Site	11-Nov-04	KPC	3626.43	37.12 3	589.31	0.12	37.24	3589.19	3589.28	Unknowr	n from fluid level re	cords
	M//-18		Off-Site	15-Mar-05	KPC	3626.43	36.12 3	590.31	0.11	36.23	3590.20	3590.28	Unknowr	n from fluid level re	cords
	MW-18	KPC KPC	Off-Site	13-Anr-05	KPC	3626.43	36.08 3	1590.35	0.08	36.16	3590.27	3590.33	Unknowr	n from fluid level re	cords
	M//-18	C d X	Off-Site	16-Mav-05	KPC	3626.43	36.11 3	590.32	0.02	36.13	3590.30	3590.32	Unknowr	n from fluid levet re	cords
	MW-18	C d X	Off-Site	16-Jun-05	KPC	3626.43	No NAPLS Pr	esent	0.00	36.17	3590.26	3590.26	Unknowr	n from fluid level re	cords
	MW-18	D D	Off-Site	6-Aua-05	KPC	3626.43	No NAPLS PI	esent	0.00	36.41	3590.02	3590.02	Unknowr	n from fluid level re	cords
	MW-18	л С С С	Off-Site	21-Sep-05	КРС	3626.43	No NAPLS Pr	esent	0.00	36.30	3590.13	3590.13	Unknowr	n from fluid level re	cords
	MW-18	C C C	Off-Site	29-Dec-05	KPC	3626.43	No NAPLS Pr	esent	0.00	36.49	3589.94	3589.94	Unknowr	n from fluid level re	cords
	MW-18	D C C C C	Off-Site	1-Jun-06	КРС	3626.43	37.03 3	589.40	0.09	37.12	3589.31	3589.38	Unknowr	n from fluid level re	cords
	MW-18	КРО	Off-Site	20-Oct-06	KPC	3626.43	Sheen	-	<0.01	36.44	3589.99	3589.99	Unknowr	n from fluid level re	cords
	MW-19	С Ч Х С	Off-Site	12-Mav-04	КРС	3626.08	No NAPLS PI	tuesent	0.00	38.07	3588.01	3588.01	Unknowr	n from fluid level re	cords
	MW-19	КРО С	Off-Site	13-Aug-04	KPC	3626.08	No NAPLS P	esent	0.00	38.21	3587.87	3587.87	Unknowr	n from fluid level re	cords
	MW-19	KPO N	Off-Site	11-Nov-04	KPC	3626.08	37.14 3	588.94	0.03	37.17	3589.92	3589.94	Unknowr	n from fluid level re	cords
	MW-19	XPO CdX	Off-Site	15-Mar-05	KPC	3626.08	36.14 3	1589.94	0.02	36.16	3589.92	3589.94	Unknowr	n from fluid level re	cords
	MW-19	KPC	Off-Site	13-Apr-05	КРС	3626.08	36.08 3	1590.00	0.01	36.09	3589.99	3589.99	Unknowr	n from fluid level re	cords
1	MW-19	КРС	Off-Site	16-May-05	KPC	3626.08	36.10 3	1589.98	<0.01	36.10	3589.98	3589.99	Unknowr	n from fluid level re	cords
	MW-19	KPC	Off-Site	16-Jun-05	KPC	3626.08	No NAPLS PI	resent	0.00	36.11	3589.97	3589.97	Unknowr	n from fluid level re	cords
	MW-19	KPC	Off-Site	6-Aug-05	KPC	3626.08	No NAPLS PI	resent	0.00	36.06	3590.02	3590.02	Unknowi	n from fluid level re	cords
	MW-19	KPC	Off-Site	21-Sep-05	КРС	3626.08	No NAPLS P	resent	0.00	36.27	3589.81	3589.81	Unknowi	n from fluid level re	cords
	MW-19	KPC	Off-Site	29-Dec-05	KPC	3626.08	No NAPLS PI	resent	0.00	36.32	3589.76	3589.76	Unknow	n from fluid level re	cords
-	MW-19	КРС	Off-Site	1-Jun-06	KPC	3626.08	No NAPLS PI	resent	0.00	36.92	3589.16	3589.16	Unknowi	in from fluid level re	cords
	MW-19	KPC	Off-Site	20-Oct-06	KPC	3626.08	36.41	3589.67	0.01	36.42	3589.66	3589.67	Unknow	n from fluid level re	cords
	MW-20	КРС	Off-Site	15-Mar-05	KPC	3625.94	No NAPLS PI	esent	0.00	35.94	3590.00	3590.00	Unknowi	in from fluid level re	cords
	MW-20	KPC	Off-Site	13-Apr-05	KPC	3625.94	35.77 3	3590.17	<0.01	35.77	3590.17	3590.18	Unknow	in from fluid level re	cords
	MW-20	КРС	Off-Site	16-May-05	KPC	3625.94	No NAPLS P	resent	0.00	35.78	3590.16	3590.16	Unknow	in from fluid level re	cords
	MW-20	KPC	Off-Site	16-Jun-05	KPC	3625.94	No NAPLS P	resent	0.00	35.83	3590.11	3590.11	Unknow	in from fluid level re	cords
	MW-20	KPC	Off-Site	6-Aug-05	KPC	3625.94	36.45	3589.49	0.01	36.46	3589.48	3589.49	Unknow	in from fluid level re	cords
1	MW-20	KPC	Off-Site	21-Sep-05	KPC	3625.94	No NAPLS P	resent	0.00	35.98	3589.96	3589.96	Unknow	in from fluid level re	scords
	MW-20	А О О	Off-Site	29-Dec-05	KPC	3625.94	No NAPLS P	resent	0.00	36.03	3589.91	3589.91	Unknow	in from fluid level re	cords

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Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043 SUMMARY OF AREA FLUID LEVEL MEASURMENTS TABLE 1

Well Top Casing	Well Top Casing	Well Top Casing	Top Casing	Top Casing	Top Casing		Non-Aqeou	is Phase Liquid	ls (Light)		Groundwater		Non-Ageor	us Phase Liquids	(Dense)
KDC Well Well Location to Date Measured By: Elevation	Well Location to Date Measured By: Elevation	Location to Date Measured By: Elevation Baker Tools Measured	Date Measured By: Elevation	Measured By: Elevation	Elevation		Top of L	NAPLS	Thickness	Top of Gr	oundwater	Corrected	Top of L	DNAPLs	Thickness
Site	Site ft-msl	Site ft-msl	ft-msl	ft-msl	ft-msl		ft-btoc	ft-msl	feet	ft-btoc	ft-msl	ft-msl	ft-btoc	ft-msl	feet
MW-20 KPC Off-Site 1-Jun-06 KPC 3625.94	KPC Off-Site 1-Jun-06 KPC 3625.94	Off-Site 1-Jun-06 KPC 3625.94	1-Jun-06 KPC 3625.94	KPC 3625.94	3625.94		No NAPLS	s Present	0.00	36.72	3589.22	3589.22	Unknowr	n from fluid level r	ecords
MW-20 KPC Off-Site 20-Oct-06 KPC 3625.94	KPC Off-Site 20-Oct-06 KPC 3625.94	Off-Site 20-Oct-06 KPC 3625.94	20-Oct-06 KPC 3625.94	KPC 3625.94	3625.94		No NAPLS	s Present	0.00	36.11	3589.83	3589.83	Unknowr	n from fluid level n	ecords
MW-21 KPC Off-Site 15-Mar-05 KPC 3626.52	KPC Off-Site 15-Mar-05 KPC 3626.52	Off-Site 15-Mar-05 KPC 3626.52	15-Mar-05 KPC 3626.52	KPC 3626.52	3626.52		No NAPLS	s Present	0.00	36.24	3590.28	3590.28	Unknowr	n from fluid level n	ecords
MW-21 KPC Off-Site 13-Apr-05 KPC 3626.52	KPC Off-Site 13-Apr-05 KPC 3626.52	Off-Site 13-Apr-05 KPC 3626.52	13-Apr-05 KPC 3626.52	KPC 3626.52	3626.52	1	36.16	3590.36	<0.01	36.16	3590.36	3590.37	Unknowr	n from fluid level r	ecords
MW-21 KPC Off-Site 16-May-05 KPC 3626.52	KPC Off-Site 16-May-05 KPC 3626.52	Off-Site 16-May-05 KPC 3626.52	16-May-05 KPC 3626.52	KPC 3626.52	3626.52	1	36.17	3590.35	<0.01	36.17	3590.35	3590.36	Unknowr	n from fluid level n	ecords
MW-21 KPC Off-Site 16-Jun-05 KPC 3626.52	KPC Off-Site 16-Jun-05 KPC 3626.52	Off-Site 16-Jun-05 KPC 3626.52	16-Jun-05 KPC 3626.52	KPC 3626.52	3626.52		No NAPLS	s Present	0.00	36.23	3590.29	3590.29	Unknow	n from fluid level r	ecords
MW-21 KPC Off-Site 21-Sep-05 KPC 3626.52	KPC Off-Site 21-Sep-05 KPC 3626.52	Off-Site 21-Sep-05 KPC 3626.52	21-Sep-05 KPC 3626.52	KPC 3626.52	3626.52		No NAPLS	s Present	0.00	36.37	3590.15	3590.15	Unknowr	n from fluid level r	ecords
MW-21 KPC Off-Site 29-Dec-05 KPC 3626.52	KPC Off-Site 29-Dec-05 KPC 3626.52	Off-Site 29-Dec-05 KPC 3626.52	29-Dec-05 KPC 3626.52	KPC 3626.52	3626.52		No NAPLS	s Present	0.00	36.49	3590.03	3590.03	Unknow	n from fluid level r	ecords
MW-21 KPC Off-Site 1-Jun-06 KPC 3626.52	KPC Off-Site 1-Jun-06 KPC 3626.52	Off-Site 1-Jun-06 KPC 3626.52	1-Jun-06 KPC 3626.52	KPC 3626.52	3626.52	~	No NAPLS	s Present	0.00	37.09	3589.43	3589.43	Unknowr	n from fluid level n	ecords
MW-21 KPC Off-Site 20-Oct-06 KPC 3626.52	KPC Off-Site 20-Oct-06 KPC 3626.52	Off-Site 20-Oct-06 KPC 3626.52	20-Oct-06 KPC 3626.52	KPC 3626.52	3626.52		No NAPLS	s Present	0.00	36.52	3590.00	3590.00	Unknowr	n from fluid level r	ecords
MW-22 KPC 0ff-Site 15-Mar-05 KPC 3626.70	KPC Off-Site 15-Mar-05 KPC 3626.70	Off-Site 15-Mar-05 KPC 3626.70	15-Mar-05 KPC 3626.70	KPC 3626.70	3626.70	F	No NAPLS	s Present	0.00	36.96	3589.74	3589.74	Unknowr	n from fluid level r	ecords
MW-22 KPC Off-Site 13-Apr-05 KPC 3626.70	KPC Off-Site 13-Apr-05 KPC 3626.70	Off-Site 13-Apr-05 KPC 3626.70	13-Apr-05 KPC 3626.70	KPC 3626.70	3626.70		36.83	3589.87	<0.01	36.83	3589.87	3589.88	Unknow	n from fluid level r	ecords
MW-22 KPC Off-Site 16-May-05 KPC 3626.70	KPC Off-Site 16-May-05 KPC 3626.70	Off-Site 16-May-05 KPC 3626.70	16-May-05 KPC 3626.70	KPC 3626.70	3626.70		36.12	3590.58	<0.01	36.12	3590.58	3590.59	Unknow	n from fluid level r	ecords
MW-22 KPC Off-Site 16-Jun-05 KPC 3626.70	KPC Off-Site 16-Jun-05 KPC 3626.70	Off-Site 16-Jun-05 KPC 3626.70	16-Jun-05 KPC 3626.70	KPC 3626.70	3626.70		NO NAPLS	s Present	0.00	36.84	3589.86	3589.86	Unknow	n from fluid level r	ecords
MW-22 KPC Off-Site 21-Sep-05 KPC 3626.70	KPC Off-Site 21-Sep-05 KPC 3626.70	Off-Site 21-Sep-05 KPC 3626.70	21-Sep-05 KPC 3626.70	KPC 3626.70	3626.70		She	en	<0.01	37.01	3589.69	3589.69	Unknow	n from fluid level r	ecords
MW-22 KPC Off-Site 29-Dec-05 KPC 3626.70	KPC Off-Site 29-Dec-05 KPC 3626.70	Off-Site 29-Dec-05 KPC 3626.70	29-Dec-05 KPC 3626.70	KPC 3626.70	3626.70	_	No NAPLs	s Present	0.00	36.98	3589.72	3589.72	Unknowr	n from fluid level r	ecords
MW-22 KPC Off-Site 1-Jun-06 KPC 3626.70	KPC Off-Site 1-Jun-06 KPC 3626.70	Off-Site 1-Jun-06 KPC 3626.70	1-Jun-06 KPC 3626.70	KPC 3626.70	3626.70		37.63	3589.07	0.10	37.73	3588.97	3589.05	Unknowr	n from fluid level r	ecords
MW-22 KPC Off-Site 20-Oct-06 KPC 3626.70	KPC Off-Site 20-Oct-06 KPC 3626.70	Off-Site 20-Oct-06 KPC 3626.70	20-Oct-06 KPC 3626.70	KPC 3626.7(3626.7(0	37.16	3589.54	0.01	37.17	3589.53	3589.54	Unknowr	n from fluid level r	ecords
MW-23 KPC Off-Site 15-Mar-05 KPC 3625.9	KPC Off-Site 15-Mar-05 KPC 3625.9	Off-Site 15-Mar-05 KPC 3625.9	15-Mar-05 KPC 3625.9	KPC 3625.9	3625.9	7	No NAPLS	Present	0.00	36.23	3589.74	3589.74	Unknow	n from fluid level r	ecords
MW-23 KPC Off-Site 13-Apr-05 KPC 3625.9	KPC Off-Site 13-Apr-05 KPC 3625.9	Off-Site 13-Apr-05 KPC 3625.9	13-Apr-05 KPC 3625.9	KPC 3625.9	3625.9	7	36.12	3589.85	<0.01	36.12	3589.85	3589.86	Unknow	n from fluid level r	ecords
MW-23 KPC Off-Site 16-May-05 KPC 3625.9	KPC Off-Site 16-May-05 KPC 3625.9	Off-Site 16-May-05 KPC 3625.9	16-May-05 KPC 3625.9	KPC 3625.9	3625.9	2	36.80	3589.17	0.01	36.81	3589.16	3589.17	Unknowr	n from fluid level r	ecords
MW-23 KPC Off-Site 16-Jun-05 KPC 3625.9	KPC Off-Site 16-Jun-05 KPC 3625.9	Off-Site 16-Jun-05 KPC 3625.91	16-Jun-05 KPC 3625.97	KPC 3625.91	3625.97	~	No NAPLS	s Present	0.00	36.18	3589.79	3589.79	Unknowr	n from fluid level r	ecords
MW-23 KPC Off-Site 6-Aug-05 KPC 3625.97	KPC Off-Site 6-Aug-05 KPC 3625.97	Off-Site 6-Aug-05 KPC 3625.97	6-Aug-05 KPC 3625.97	KPC 3625.97	3625.97	~	No NAPLS	s Present	0.00	36.47	3589.50	3589.50	Unknow	n from fluid level r	ecords
MW-23 KPC Off-Site 21-Sep-05 KPC 3625.9	KPC Off-Site 21-Sep-05 KPC 3625.9	Off-Site 21-Sep-05 KPC 3625.9	21-Sep-05 KPC 3625.9	KPC 3625.9	3625.9	7	She	en	<0.01	36.30	3589.67	3589.67	Unknowr	n from fluid level r	ecords
MW-23 KPC Off-Site 29-Dec-05 KPC 3625.	KPC Off-Site 29-Dec-05 KPC 3625.	Off-Site 29-Dec-05 KPC 3625	29-Dec-05 KPC 3625	KPC 3625.	3625.	97	No NAPLS	s Present	0.00	36.32	3589.65	3589.65	Unknow	n from fluid level r	ecords
MW-23 KPC Off-Site 1-Jun-06 KPC 3625.9	KPC Off-Site 1-Jun-06 KPC 3625.9	Off-Site 1-Jun-06 KPC 3625.9	1-Jun-06 KPC 3625.9	KPC 3625.9	3625.9	2	36.94	3589.03	0.21	37.15	3588.82	3588.98	Unknow	n from fluid level r	ecords
MW-23 KPC Off-Site 20-Oct-06 KPC 3625.97	KPC Off-Site 20-Oct-06 KPC 3625.97	Off-Site 20-Oct-06 KPC 3625.97	20-Oct-06 KPC 3625.97	KPC 3625.97	3625.97	~	36.40	3589.57	0.01	36.41	3589.56	3589.57	Unknowr	n from fluid level r	ecords

Indicates old water supply well screened in different (lower) aquifer) Ą

Feet referenced to Mean Sea Level Feet referenced to Top of Well Casing Baker Oil Tools ft-msl ft-toc BOT

КDС

Keeling Distributing Company LNAPL present but <0.01 feet thick Well Located Within Baker Oil Tools Property Boundary Well Located Outside of Baker Oil Tools Property Boundary sheen On-Site Off-Site





SUMMARY OF CALCULATED GROUNDWATER FLOW CHARACTERISTICS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043 TABLE 2

		FLOW GRA	ADIENT CALC	ULATIONS		FLOW	VELOCITY C	ALCULATIO	INS & FLOW	РАТН
EVENT	Upgradient Well Level (MW-1)	Downgrad. Well Level (MW-3)	Linear Distance Between Wells	Hydraulic Head Difference	Calculated Flow Gradient	Hydraulic Conductiv,	Formation Porosity (as decimal)	Flow V	elocity	Flow Directior from True North
	ft-msl	ft-msl	feet	feet	feet per foot	gpd/ft ²	1	feet per day	feet per year	degrees
17-Nov-94	3594.58	3594.31	215	0.27	0.0013	100	0.24	0.07	25	130° (ESE)
29-Mar-00	3591.53	3591.09	215	0.44	0.0020	100	0.24	0.11	41	130° (ESE)
27-Sep-00	3590.89	3590.62	215	0.27	0.0013	100	0.24	0.07	25	127° (ESE)
5-Dec-00	3590.96	3590.75	215	0.21	0.0010	100	0.24	0.05	20	104° (East)
5-Dec-01	3590.21	3589.69	215	0.52	0.0024	100	0.24	0.13	49	125° (ESE)
12-Mar-03	3589.10	3588.42	215	0.68	0.0032	100	0.24	0.18	64	117° (ESE)
6-Apr-04	3588.20	3587.97	215	0.23	0.0011	100	0.24	0.06	22	107° (East)
28-Dec-04	3589.81	3589.49	215	0.32	0.0015	100	0.24	0.08	30	135° (SE)
10-Feb-06	3589.53	3589.42	215	0.11	0.0005	100	0.24	0.03	10	100° (East)
13-Apr-06	3589.35	3589.21	215	0.14	0.0007	100	0.24	0.04	13	101 [°] (East)
8-Aug-06	3588.99	3588.91	215	0.08	0.0004	100	0.24	0.02	ω	90° (East)
5-Oct-06	3589.71	3589.63	215	0.08	0.0004	100	0.24	0.02	8	93° (East)
MAX	3594.58	3594.31		0.68	0.0032			0.18	64	135
MIN	3588.20	3587.97	215	0.08	0.0004	100	0.24	0.02	8	93
AVG	3590.24	3589.96		0.28	0.0013			0.07	26	120







na 2				0																						12"										
MTBE	S-8020	mg/L	0.1	s "MW-1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	na	na	<0.001	na	na	<0.001	s "MW-'	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001
Xylenes	S-8020A	mg/L	0.62	y them a:	0.0012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	na	na	<0.002	na	na	<0.002	y them a	0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.002	<0.002
Toluene	S-8020A	mg/L	0.75	gnated b	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	na	na	<0.001	na	na	<0.001	gnated b	0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001
Ethylbenzene	S-8020A	mg/L	0.75	lient Well Desi	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	na	na	<0.001	na	na	<0.001	lient Well Desi	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001
Benzene	S-8020A	mg/L	0.01	Downgrad	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	na	na	<0.001	ца	na	<0.001	Downgrad	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.01	<0.001	<0.001
Well Sampled By	Method >	Units >	Standard >	etroleum as [BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	KDC	KDC	KDC	BOT	KDC	KDC	BOT	BOT	KDC	BOT	BOT	KDC	etroleum as I	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	KDC
	Date Well	Sampled		y Keeling P	17-Nov-94	21-Dec-99	29-Mar-00	27-Jun-00	27-Sep-00	5-Dec-00	5-Dec-01	12-Mar-03	6-Apr-04	12-May-04	13-Aug-04	11-Nov-04	28-Dec-04	15-Mar-05	17-Jun-05	10-Feb-06	13-Apr-06	2-Jun-06	8-Aug-06	5-Oct-06	20-Oct-06	y Keeling P	17-Nov-94	21-Dec-99	29-Mar-00	27-Jun-00	27-Sep-00	5-Dec-00	5-Dec-01	12-Mar-03	6-Apr-04	12-Mav-04
Well	Location	Tools Site		Utilized b	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	Utilized b	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	Well	Owner		MW-1	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	i MW-2	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT
1	KDC Well	#		Tools well	1	;	1		1		3			MW-10	MW-10	MW-10		MW-10	MW-10	-	1	MW-10	1	1	MW-10	Tools well	1		-			1	1	1	1	MW-12
	BOT Well	#		Baker	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	1-WM	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	Baker	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2



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TABLE 3 SUMMARY OF AREA GROUNDWATER ANALYTICAL RESULTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

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-Joct-05 KDC -Joct-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC -May-04 KDC -Apr-04 BOT -Apr-04 BOT -Aug-06 BOT -Aug-06 BOT -Jun-05 KDC -Jun-05 KDC -Jun-05 KDC -Jun-06 BOT -Jun-05 KDC -Jun-06 BOT -Jun-05 KDC -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-06</th> <th>Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Joct-05 KDC -Joct-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC -May-04 KDC -May-04 KDC -Apr-04 BOT -Aug-06 BOT -Jun-05 KDC -Jun-05 KDC -Joc-06 BOT -Joc-06 BOT -Joc-06 BOT -Joct-06 BOT</th> <th>Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Joct-05 KDC -Joct-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC -May-04 KDC -May-04 KDC -Apr-04 BOT -Aug-06 BOT -Mar-05 KDC -Nov-04 KDC -Aug-06 BOT -Jun-05 KDC -Jun-05 KDC -Jun-05 KDC -Jun-06 BOT -Jun-05 KDC -Jun-05 KDC -Jun-05 KDC -Jun-06 BOT -Jun-07 BOT -Jun-08</th> <th>Sep-05 KDC -Sep-05 KDC -Uun-06 KDC -Uun-06 KDC -Uun-06 KDC -Uun-06 KDC -Uun-06 KDC -Uun-06 KDC -Uun-00 BOT -Nov-94 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC -May-04 KDC -May-04 KDC -Apr-04 BOT -Aug-06 BOT -Aug-06 BOT -Aug-06 BOT -Aug-06 BOT -Aug-06 BOT -Dec-06 BOT -Aug-06 BOT -Aug-06 BOT -Aug-06 BOT -Dec-06 BOT -Mar-06 BOT -Aug-06 BOT -Aug-06 BOT -Dec-90<!--</th--><th>Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Joct-06 KDC -Nov-94 BOT -Mar-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC -May-04 KDC -May-04 KDC -Apr-04 BOT -Aug-06 BOT -Mar-05 KDC -Aug-06 BOT -Aug-06 BOT -Jun-05 KDC -Jun-05 KDC -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Dec-09 BOT -Jun-06 BOT -Dec-09 BOT -Aug-06 BOT -Dec-90<</th><th>Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Aug-04 KDC -Aug-04 KDC -Aug-04 KDC -Aug-04 KDC -Aug-04 KDC -Aug-04 KDC -Jun-05 KDC -Jun-05 KDC -Jun-05 KDC -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-07 BOT -Jun-08 BOT -Jun-09 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00<!--</th--><th>Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Mar-04 KDC -Mar-03 BOT -Mar-04 KDC -Mar-03 BOT -Mar-04 KDC -Mar-05 KDC -Mar-05 KDC -Mar-05 KDC -Jun-05 BOT -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-07 BOT -Jun-08 BOT -Jun-09 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00<!--</th--><th>Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-01 BOT -Mar-03 BOT -Mar-04 KDC -Mar-03 BOT -Aug-04 KDC -Mar-03 BOT -Mar-04 BOT -Mar-05 KDC -Mar-06 BOT -Mar-06 BOT -Jun-05 KDC -Jun-06 BOT -Jun-06 BOT -Mar-06 BOT -Jun-07 BOT -Jun-08 BOT -Jun-09 BOT -Sep-05 BOT -Dec-06<!--</th--></th></th></th></th> | Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Joct-05 KDC -Joct-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC -May-04 KDC -Apr-04 BOT -Apr-04 BOT -Aug-06 BOT -Aug-06 BOT -Jun-05 KDC -Jun-05 KDC -Jun-05 KDC -Jun-06 BOT -Jun-05 KDC -Jun-06 BOT -Jun-05 KDC -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-06 BOT -Jun-06 | Sep-05 KDC -Sep-05 KDC -Jun-06 KDC -Jun-06 KDC -Joct-05 KDC -Joct-06 KDC -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Jun-00 BOT -Mar-00 BOT -Mar-00 BOT -Mar-01 BOT -May-04 KDC -May-04 KDC
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 | On-Site 21-S OT On-Site 29-C OT On-Site 2-U OT On-Site 2-U OT On-Site 2-U OT On-Site 20-C OT On-Site 20-C OT On-Site 20-C OT On-Site 21-C OT On-Site 21-C
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0.75 0
0.75 <0.001
0.001 <0.001
Standard > KDC KDC
13-Aug-04 11-Nov-04 28-Dec-04
On-Site On-Site
11 BOT 11 BOT 80T 11 BOT
77 77

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NAPL	Content		in feet	0.00	0.06	0.27	0.00	sheen	0.00	sheen	0.35	0.44	0.26	0.04	0.01	0.06	0.03	0.04	0.00	0.01	0.00	1.55	1.89	0.03	0.78	0.59	0.69	0.10	0.05	0.10	0.36	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00
Naphthalene	S-8270C	mg/L	0.03	0.26	us	us	0.48	ns	na	su	SU	NS	us	ns	SU	us	SU	us	1.67	ns	na	SU	SU	su	SU	SU	SU	SU	SU	us	us	su	0.0406	0.435	0.228	0.58	0.342	0.76	0.54	0.236	0.62	0.196
2-Methyl- naphthalene	S-8270C	mg/L	0.03	na	ns	su	na	ns	na	su	SU	su	SU	ns	SU	su	SU	SU	na	su	na	su	su	su	su	su	su	ns	su	SU	ns	ns	na	na	na							
MTBE	S-8020	mg/L	0.1	0.32	ns	ns	0.14	ns	2.5	ns	ns	ns	ns	ns	us	su	ns	ns	0.55	ns	2.1	ns	su	ns	SU	ns	SU	ns	ns	ns	ns	ns	<0.001	0.0021	0.0088	0.0062	<0.001	<0.001	0.011	0.0069	0.024	0.027
Xylenes	S-8020A	mg/L	0.62	1.5	SU	лs	1.49	ns	4.1	su	ns	ns	ns	ns	SU	us	su	пs	11.9	ns	7.9	ns	su	лs	SU	SU	su	ns	SU	ns	su	ns	0.0095	0.058	0.051	0.2	0.062	0.11	0.099	0.051	0.037	0.043
Toluene	S-8020A	mg/L	0.75	2.1	ns	ns	1.2	ns	10	ns	ns	us	ns	ns	us	us	ns	ns	26	ns	4.7	ns	SU	SU	su	SU	ns	SU	US	ns	ns	ns	0.011	0.044	0.059	0.23	0.17	0.3	0.39	0.23	0.053	0.072
Ethylbenzene	S-8020A	mg/L	0.75	0.9	su	Su	0.3	SU	1.3	su	ns	su	ns	ns	su	SU	SU	ns	3.4	ns	1.7	ns	SU	us	su	ns	ns	SU	us	ns	ns	лs	0.0038	0.058	0.09	0.11	0.08	0.18	0.16	0.075	0.042	0.045
Benzene	S-8020A	mg/L	0.01	1.5	ns	ns	1.1	ns	7.9	ns	ns	us	su	ns	su	us	su	su	9.4	ns	5.3	ns	SU	su	su	su	su	ns	SU	us	su	ns	QN	0.033	0.05	0.09	0.036	0.081	0.085	0.034	0.013	0.018
Well Sampled By	Method >	Units >	Standard >	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC
	Date Well	Sampled	1	21-Sep-05	29-Dec-05	1-Jun-06	2-Jun-06	20-Oct-06	19-Sep-98	15-May-03	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	1-Jun-06	2-Jun-06	20-Oct-06	19-Sep-98	1-Nov-02	15-May-03	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	15-May-03	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06
Well	Location	to Baker Tools Site	200 2000	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	Nell	Owner		KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	КРС	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC
	KDC Well	# 		MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4														
	BOT Well	# 							1		1,2,2,4		1	1	1			-											1		P 1	****	1					1		-		

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No. 2000 1			Well		Well Sampled Bv	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	2-Methyl- naphthalene	Naphthalene	NAPL
BOT Well	KDC Well	Nell C	Location	Date Well	Method >	S-8020A	S-8020A	S-8020A	S-8020A	S-8020	S-8270C	S-8270C	Content
#0	# 	Uwner	to Baker Tools Site	sampled	Units >	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
			2		Standard >	0.01	0.75	0.75	0.62	0.1	0.03	0.03	in feet
	MW-5	KPC	Off-Site	15-May-03	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
	MW-5	KPC	Off-Site	12-May-04	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
	MW-5	KPC	Off-Site	11-Nov-04	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
-	MW-5	KPC	Off-Site	15-Mar-05	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
	MW-5	KPC	Off-Site	16-Jun-05	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
	MW-5	KPC	Off-Site	21-Sep-05	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
	MW-5	KPC	Off-Site	2-Jun-06	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
1	MW-5	KPC	Off-Site	20-Oct-06	KDC	<0.001	<0.001	<0.001	<0.002	<0.001	na	<0.003	0.00
	9-WM	KPC	Off-Site	15-May-03	KDC	su	ns	SU	ns	su	su	SU	0.06
1	MW-6	KPC	Off-Site	12-May-04	KDC	su	su	su	su	su	su	NS	0.62
	MW-6	KPC	Off-Site	13-Aug-04	KDC	su	ns	ns	ns	ns	ns	ns	0.68
1	MW-6	KPC	Off-Site	11-Nov-04	KDC	SU	ns	us	us	ns	лs	US	0.18
	0-WM	KPC	Off-Site	15-Mar-05	KDC	<0.001	0.14	<0.001	0.03	0.028	ра	0.67	0.00
-	MW-6	KPC	Off-Site	16-Jun-05	KDC	su	ns	us	us	su	us	ns	0.04
	MW-6	KPC	Off-Site	21-Sep-05	KDC	0.01	0.087	<0.001	0.006	0.018	na	0.46	0.00
	MW-6	KPC	Off-Site	29-Dec-05	KDC	su	ns	SU	su	ns	us	ns	0.06
	MW-6	KPC	Off-Site	1-Jun-06	KDC	su	ns	ns	ns	us	ns	ns	0.09
	MW-6	KPC	Off-Site	2-Jun-06	KDC	<0.001	0.041	<0.001	<0.01	0.0074	ŋa	0.92	0.00
	MW-6	KPC	Off-Site	20-Oct-06	KDC	รม	ns	us	ns	ns	ns	ns	sheen
	7-WM	KPC	Off-Site	15-May-03	KDC	0.002	0.0096	0.0085	0.016	QN	na	0.217	00.00
	7-WM	KPC	Off-Site	12-May-04	KDC	0.032	0.051	0.0026	0.03	0.014	na	0.0356	0.00
	7-WM	KPC	Off-Site	13-Aug-04	KDC	0.016	0.027	0.004	0.017	0.007	na	0.0171	0.00
	7-WM	KPC	Off-Site	11-Nov-04	KDC	0.063	0.071	0.0024	0.053	0.027	na	0.216	0.00
	7-WM	KPC	Off-Site	15-Mar-05	KDC	0.042	0.1	<0.001	0.021	0.039	na	0.236	0.00
1	7-WM	KPC	Off-Site	16-Jun-05	KDC	0.049	0.14	0.003	0.038	0.019	na	0.52	0.00
	7-WM	KPC	Off-Site	21-Sep-05	KDC	0.026	0.091	<0.001	0.036	0.023	na	0.172	0.00
	MW-7	KPC	Off-Site	29-Dec-05	KDC	0.016	0.077	0.0024	0.019	0.047	na	0.174	0.00
	MW-7	KPC	Off-Site	2-Jun-06	KDC	0.02	0.062	0.0085	0.035	0.17	na	0.217	0.00
	MW-7	KPC	Off-Site	20-Oct-06	KDC	0.047	0.17	0.025	0.089	0.38	na	0.346	0.00
	MW-8	KPC	Off-Site	15-May-03	KDC	0.36	1.4	4.4	4.2	<0.001	na	1.45	0.00
	MW-8	KPC	Off-Site	12-May-04	KDC	su	ns	ns	ns	ns	US	ns	0.53
2	MW-8	KPC	Off-Site	13-Aug-04	KDC	su	US	ns	ns	ns	ns	us	0.45
	MW-8	KPC	Off-Site	11-Nov-04	KDC	ns	ns	ns	ns	su	SU	us	0.45
	MW-8	KPC	Off-Site	15-Mar-05	KDC	su	лs	su	SU	us	ns	us	0.06
	MW-8	КРС	Off-Site	16-Jun-05	KDC	su	SU	SU	รม	su	us	su	0.02
1	MW-8	KPC	Off-Site	21-Sep-05	KDC	SU	SU	su	รม	ns	лs	su	0.01
1	MW-8	KPC	Off-Site	29-Dec-05	Х ВС	su	SU	SU	us	Su	υs	ns	0.02
	MW-8	KPC	Off-Site	2-Jun-06	KDC	su	SU	SU	SU	ns	лs	US	0.29
1	MW-8	KPC	Off-Site	20-Oct-06	KDC	ns	รม	SU	รม	Su	SU	us	sheen

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TABLE 3 SUMMARY OF AREA GROUNDWATER ANALYTICAL RESULTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

NAPL	Content		in feet	1.96	2.54	1.86	0.49	0.01	0.19	0.31	0.63	0.00	0.19	0.22	0.34	1.77	0.71	0.09	0.06	0.21	0.46	sheen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
Naphthalene	S-8270C	mg/L	0.03	su	SU	su	SU	us	SU	SU	ns	1.24	SU	ns	ns	Su	su	ns	Su	su	ns	ns	0.165	0.12	0.11	0.14	<0.003	0.15	0.27	0.165	0.359	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.94	US
2-Methyl- naphthalene	S-8270C	mg/L	0.03	su	ns	SU	su	su	su	su	SU	na	us	SU	ns	ns	su	ns	SU	ns	su	su	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	US
MTBE	S-8020	mg/L	0.1	su	SU	ns	su	ns	su	ns	su	0.14	ns	su	ns	us	ns	us	ns	ns	ns	su	0.023	0.048	<0.001	<0.001	<0.001	0.058	0.12	0.042	0.055	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	SU
Xylenes	S-8020A	mg/L	0.62	su	ns	us	su	su	ns	ns	su	7.1	su	SU	ns	ns	ns	ns	ns	ns	ns	SU	0.76	1.2	1.8	3.2	1.9	2.4	4.6	1.95	3.5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	2.8	US
Toluene	S-8020A	mg/L	0.75	su	SU	ns	ns	su	ns	ns	ns	12	us	su	ns	ns	us	ns	su	ns	ns	us	1.1	2.1	2.8	8.9	3.2	3.4	6.4	2.1	2.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.78	ns
Ethylbenzene	S-8020A	mg/L	0.75	ns	ns	ns	su	ns	ns	ns	ns	1.8	su	ns	ns	su	ns	SU	su	ns	SU	US	0.23	0.48	0.52	0.88	0.59	0.53	1.5	0.014	0.97	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	۲	SU
Benzene	S-8020A	mg/L	0.01	su	su	ns	ns	su	SU	ns	ns	6	us	su	ns	ns	ns	SU	su	su	ns	ns	0.52	1.3	1.9	2.7	1.8	2.7	4.7	2.3	3.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.31	ns
Well Sampled By	Method >	Units >	Standard >	KDC	KDC	KDC	KDC	KDC	КрС	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	КDС	KDC	КDС	KDC	KDC	KDC	KDC	KDC	KDC	КDС	KDC	KDC	KDC	KDC	KDC	КDС	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC
	Date Well	naiduipo		12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	1-Jun-06	2-Jun-06	20-Oct-06	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	17-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	12-May-04	13-Aug-04
Well	Location	Tools Site		Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site												
	Vell	Owler		KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	КРС	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC						
	KDC Well	ž		MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-18	MW-18																		
	BOT Well	‡ 2		1	1		1												-			-		-		1				-		1		1	1		1	1			1	1

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TABLE 3 SUMMARY OF AREA GROUNDWATER ANALYTICAL RESULTS Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043

NAPL	Content		in feet	0.12	0.11	0.00	0.00	0.00	0.09	0.00	sheen	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.01	0.00	0.00
Naphthalene	S-8270C	mg/L	0.03	su	SU	0.72	0.56	0.37	ns	0.65	ns	0.19	0.58	ns	ns	1.18	0.92	1.1	0.55	ns	0.139	0.51	0.7	0.17	0.216	0.086	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	1.35	1.47	1.8	1.4	us	1.18	ns	0.34	0:097
2-Methyl- naphthalene	S-8270C	mg/L	0.03	SU	ns	na	na	na	su	na	ns	na	na	su	ns	na	na	na	na	ns	na	ŋa	na	na	na	na	na	na	na	na	na	na	na	na	na	na	us	na	ns	na	na
MTBE	S-8020	mg/L	0.1	su	ns	<0.001	0.039	0.036	ns	0.018	ns	0.0075	0.038	ns	ns	<0.001	<0.001	<0.001	<0.001	ns	0.0046	<0.001	<0.001	<0.001	0.0021	0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	su	<0.001	ns	. 0.56	0.88
Xylenes	S-8020A	mg/L	0.62	su	su	1.2	1.4	1.1	ns	2.05	ns	1.1	4.3	ns	SU	9.2	7.4	8.5	7.3	ns	0.14	1.3	1.3	0.075	0.195	0.0599	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	3.5	9.7	13	12	ns	8.9	su	1.4	0.57
Toluene	S-8020A	mg/L	0.75	su	ns	0.41	0.59	0.47	su	0.4	ns	1.2	9.6	us	ns	20	17	24	19	ns	0.048	0.28	0.92	0.075	0.015	0.022	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	4.2	18	21	31	ns	20	us	1.2	0.59
Ethylbenzene	S-8020A	mg/L	0.75	ns	ns	0.36	0.83	0.8	su	0.46	ns	0.32	1.9	su	ns	3.1	2.6	3.2	2.2	su	0.074	0.53	1.1	0.55	<0.001	130	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	1.1	3	3.8	4.3	ns	1.5	ns	0.47	0.34
Benzene	S-8020A	mg/L	0.01	su	su	0.37	0.41	0.31	ns	0.33	ns	0.72	5.3	ns	ns	5.9	9.8	13	10	us	<0.001	0.071	0.078	0.044	0.012	0.0037	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.89	9.7	7	7.8	ns	6.5	su	0.73	1.3
Well Sampled By	Method >	Units >	Standard >	KDC	KDC	KDC	KDC	КDС	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	КDС	КDС	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	KDC	крс	KDC	КРС	KDC	KDC	KDC	KDC	KDC	KDC
	Date Well	sampled		11-Nov-04	15-Mar-05	17-Jun-05	21-Sep-05	29-Dec-05	1-Jun-06	2-Jun-06	20-Oct-06	12-May-04	13-Aug-04	11-Nov-04	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	15-Mar-05	17-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	15-Mar-05	17-Jun-05	21-Sep-05	29-Dec-05	2-Jun-06	20-Oct-06	15-Mar-05	16-Jun-05	21-Sep-05	29-Dec-05	1-Jun-06	2-Jun-06	20-Oct-06	15-Mar-05	16-Jun-05
Well	Location	to baker Tools Site		Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	Well	Owner		KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	КРС	KPC	KPC	KPC	KPC	KPC	KPC	KPC	КРС	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC	KPC
	KDC Well	# 		MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-19	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23						
	BOT Well	# 2				1		3 3 5 5	3				:						-			1	1	1		-							1	-	1		-	-			

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1.4	
	,

	-		-	-				_
NAPL	Content		in feet	0.00	0.00	0.21	0.00	0.01
Naphthalene	S-8270C	mg/L	0.03	0.45	0.27	Su	1.72	us
z-metnyi- naphthalene	S-8270C	mg/L	0.03	na	na	su	na	su
MTBE	S-8020	mg/L	0.1	1.1	1.1	SU	0.93	ns
Xylenes	S-8020A	mg/L	0.62	5.4	2.5	su	10.4	ns
Toluene	S-8020A	mg/L	0.75	5.8	4.7	su	14	ns
Ethylbenzene	S-8020A	mg/L	0.75	1.7	1.3	su	2	su
Benzene	S-8020A	mg/L	0.01	6.2	5	SU	8.1	ns
Well Sampled By	Method >	Units >	Standard >	KDC	KDC	KDC	KDC	KDC
	Date Well	sampled		21-Sep-05	29-Dec-05	1-Jun-06	2-Jun-06	20-Oct-06
Well	Location	Tools Site	200	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	Well	Owner		KPC	KPC	KPC	KPC	KPC
	KDC Well	# 2		MW-23	MW-23	MW-23	MW-23	MW-23
	BOT Well	± ⊇						

RESULTS OF FIELD MEASUREMENTS DURING 2006 BOT SITE SAMPLING ON NEXT PAGE

.



1														
	Temp.	ပိ	17.2	20.2	20.7	20.3	17.3	20.0	20.9	20.3	14.7	20.6	21.1	20.1
	Specifíc Conduct- ance	us/cm	1,912	1,898	2,680	1,718	2,030	1,800	1,801	1,427	1,198	1,189	1,756	1,323
	Hđ	stn units	6.71	6.77	6.47	6.67	6.43	6.54	6.36	6.52	6.51	6.71	6.58	6.60
	Volume Purged	(gallons)	16.5	16.0	15.5	17.0	9.0	8.0	7.5	9.0	3.0	3.0	2.8	3.1
	One Static Fluid Volume	(gallons)	5.4	5.3	5.0	5.5	2.8	2.7	2.5	2.9	0.9	0.9	0.9	1.0
	Height of Fluid Column	(feet)	8.17	7.97	7.61	8.33	4.25	4.04	3.74	4.46	5.28	5.06	5.28	5.99
	Total Well Depth	(feet-TOC)	45.62	45.60	45.60	45.60	40.80	40.80	40.80	40.80	42.63	42.60	42.60	42.60
	Top of Ground- water	(feet-TOC)	37.45	37.63	37.99	37.27	36.55	36.76	37.06	36.34	37.35	37.54	37.32	36.61
	Well Sampled	- by	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT
	Date Well Sampled		10-Feb-06	13-Apr-06	8-Aug-06	5-Oct-06	10-Feb-06	13-Apr-06	8-Aug-06	5-Oct-06	10-Feb-06	13-Apr-06	8-Aug-06	5-Oct-06
	Well Location to Baker	Tools Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
AENTS:	Well Owner		BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT	BOT
MEASUREN	KDC Well ID #			1	1		1				1	1	1	1
2006 FIELD	BOT Well ID #		MW-1	MW-1	MW-1	MW-1	MW-3	MW-3	MW-3	MW-3	РЧ	г .	РЧ	Ъ-Ч

Baker Oil Tools

Keeling Distributing Company KDC KDC

Indicates result above MDL but below remediation standard Indicates results above remediation standard

No Highlighting: Bold Highlighting: | Bold & Shading Highlighting:

Indicates results below method detection limits

Constituent Not Analyzed Well Not Sampled na

ns

LNAPL present but <0.01 feet thick Well Located Within Baker Oil Tools Property Boundary sheen On-Site Off-Site

Well Located Outside of Baker Oil Tools Property Boundary

TABLE 4 CONSTITUENTS OF CONCERN GRAPHIC EVALUATION





TABLE 5 NAPHTHALENE PLUME MOVEMENT TOWARDS FORMER BAKER TOOLS PROPERTY Former Baker Oil Tools Facility - Hobbs, New Mexico - NMOCD #1R0043



5 ×

CONCENTRATION WAVEFRONT MOVEMENT TOWARDS R-1:







RMT, Inc. | Baker Oil Tools I:\WPAUS\PJT\50-21007\03\R502100703-002 DOC


















RMT, Inc. | Baker Oil Tools E:\wPAUS\PJT\50-21007\03\R502100703-002.DOC



Integrated Environmental Solutions

805 Las Cimas Parkway, Suite 300 Austin, TX 78746-6179 Telephone: 512-327-9840 Fax: 512-327-6163

February 24, 2006

Mr. Glen VonGonten New Mexico Energy, Minerals, and Natural Resources Department 12205 St. Francis Drive Santa Fe, NM 87205

Subject: Groundwater Evaluation Former Baker Oil Tools Facility 2800 West Marland – Hobbs, NM

Dear Mr. VonGonten:

At the request of Baker Oil Tools (BOT), RMT, Inc has reviewed the information available concerning the former Baker Oil Tools Facility in Hobbs, New Mexico. Our evaluation included a review of the historical groundwater analytical results and groundwater flow-path information to determine if: (1) monitor well locations were sufficient to properly detect any possible releases from the on-site impoundment, (2) what monitor wells (existing or proposed) would be necessary for proper detection, and (3) what parameters should be analyzed based on the historic data. The purpose of this correspondence is to inform you of our findings and to relay Baker Hughes' plan for further detection monitoring.

Monitoring System:

Figure 1 is a map of the facility, which indicates the locations of the current on-site groundwater wells (identified as wells MWs-1, 2, 3, 16, R-1, and WW-1). Wells MWs-1, 2, and 3 were installed and sampled as part of the initial and on-going site assessment. Well WW-1 appears to be a water supply well screened in a lower aquifer. MW-16 was discovered during a site visit in early February 2006 and appears to be part of a neighboring facilities groundwater monitoring system. An evaluation of the potentiometric groundwater surface prepared from the water levels recorded during sampling events in March 2000, September 2000, December 2000, December 2001, March 2003, and April 2004 (see Table 1 for summary of measured levels and flow calculations) indicates that over this five year period the groundwater flow direction has a flow-path deviation of only 31° ranging from 135° to 104° of true north (see Attachment A for potentiometric maps and Figure 2 for flow-path compilation). In addition, groundwater gradient and flow velocity ranged from 0.0011 to 0.0033 feet per foot and 0.06 to 0.18 feet per day, respectively (Table 1 graph). Based on this evaluation, well MW-1 is located immediately upgradient of the impoundment and well R-1 is located immediately downgradient of the impoundment in the center of the average groundwater flow-path direction. As such, these two wells are sufficient for detection of any releases to the groundwater beneath the impoundment.

Analytical Parameters:

Table 2 is a summary of the historical analytical results for the facility groundwater and a graph of analytical results from 2-Methylnaphthalene and Naphthalene.

Mr. Glen VonGonten

New Mexico Energy, Minerals, and Natural Resources Department February 24, 2006 Page 2

- Well MW-2, located in the northeast corner of the facility and well outside the flow-path, has not had an indication of impact above method detection limits for any parameters analyzed.
- WW-1 has had no analytical results above method detection limits and is most likely screened in a deeper aquifer.
- Well MW-3, located in the southeast corner of the facility and adjacent to the downgradient groundwater flow-path, has had benzene and MTBE identified above the method detection limits; however, neither constituent would be expected at the site based on historic practices. In a letter dated March 8, 1995 (see Attachment B, the New Mexico Oil Conservation Division (NMOCD) concurred that the volatile organic compound (VOC) contaminants were coming onsite from an upgradient neighboring property.
- Well MW-1, located immediately upgradient of the impoundment and in direct line of the groundwater in-flow flow-path, had analytical results indicating both 2-methylnaphthalene and naphthalene above the NM 20.6.2.3103 abatement standard during the sampling event of June 27, 2000. There had been no occurrences above method detection limits in the two sampling events prior to June 2000 nor had there been in the six sampling events following the June 2000 event.
- Well R-1, located immediately downgradient of the impoundment and in direct line of the groundwater flow-path, has had indications of 2-methylnaphthalene or naphthalene in seven of the nine sampling events. A review of the graphic representation of the analytical results indicates that the identified concentrations are reducing through time. Concentrations were below the New Mexico Standard for the last five sampling events (since 2000) except for 2-Methylnaphthalene which slightly exceeded the standard by 0.004 mg/L in December 2004.

Response Plan:

In response to the findings of this evaluation, Baker Hughes will make the following response:

- In order to further evaluate the 2-methylnaphthalene and naphthalene identified in well R-1, Baker Hughes will collected and analyze groundwater samples from upgradient well MW-1 and downgradient wells R-1 (immediately downgradient) and MW-3 (distal downgradient) on a quarterly basis for four consecutive quarters in 2006 (beginning in February 2006).
- These samples will be analyzed for 2-methylnaphthalene and naphthalene by a contract laboratory.
- During each sampling event, static groundwater levels will be measured in all accessible on-site groundwater monitoring wells and in the on-site deep well. These measurements will be utilized to prepare potentiometric maps for the purpose of continuing to evaluate the groundwater flowpath direction and groundwater flow velocity.



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Mr. Glen VonGonten

New Mexico Energy, Minerals, and Natural Resources Department February 24, 2006 Page 3

 During each sampling event, the groundwater quality indicators of pH, specific conductance, and temperature will be measured in the field and recorded with the analytical results.

Attachment C contains the field program summary sheet and field data collection forms that will be utilized during the sampling events.

Following the receipt and evaluation of the fourth quarterly sample results, a report will be prepared and submitted to the New Mexico Energy, Minerals, and Natural Resources Department which summarizes all results and makes recommendations based on those results.

Should you have any questions or comments, please contact me at 512-329-3122 or at robert.sherrill@rmtinc.com.

Sincerely,

RMT, Inc.

Robert L. Sherrill, PG Senior Project Manager - RMT, Inc.

cc: Ms. Myna Letlow - Baker Hughes Mr. Joseph Hossley, PE, DEE - RMT, Inc. Central Files

Attachments:

Figure 1 – Site Well Location Map

Figure 2 – Groundwater Flow-Path Map

Table 1 - Groundwater Levels and Graphs

Table 2 – Historical Analytical Results and Graph

Attachment A - Potentiometric Maps of Groundwater Elevations

Attachment B – March 8, 1995 NM EMNRD Correspondence

Attachment C - Sampling Program and Field Data Collection Forms



Tables







Baker Oil Tools - Hobbs, New Mexico

GROUNDWATER ELEVATION MEASUREMENTS:

	NW	V-1	ΝW	V-2	NW	V-3	Å	1
)ate of	Top Casing=	100.19	Top Casing=	99,56	Top Casing=	99.15	Top Casing=	100.03
surement	Total Depth=	45.7	Total Depth=	45.0	Total Depth=	38.5	Total Depth=	48.0
	ft-BTOC	ft-REF	ft-BTOC	ft-REF	ft-BTOC	ft-REF	ft-BTOC	ft-REF
Mar-00	35.45	64.74	35.23	64.33	34.88	64.27		
Sep-00	36.09	64.10	35.68	63.88	35.35	63.80	36.08	63.95
)ec-00	36.02	64.17	35.62	63,94	35.22	63.93	35.94	64.09
)ec-01	36.77	63.42	36.59	62.97	36.28	62.87	36.85	63.18
Mar-03	37.88	62.31	37.77	61.79	37.55	61.60	37.92	62.11
\pr-04	38.78	61.41	38.36	61.20	38.00	61.15	38.69	61.34
Dec-04	37.17	63.02	36.76	62.80	36.48	62.67	37.09	62.94
VALUE	38	.78	38.	36	38	00	38.	.69
VALUE	35.	.45	35.	23	34.	88	35.	.94
VALUE	36.	.88	36.	57	36.	25	37.	.10
IATION	3.	33	3.1	13	3.	12	2.7	75

64.46 64.64 63.80 62.75 62.93 63.43

> 35.39 36.23 37.28 35.60

37.28 35.01 36.17 2.27

ft-REF 65.02

ft-BTOC

35.01 35.57

Top Casing= 100.03 Total Depth= 125.0

LOWER AQUIFER

1-WW

GROUNDWATER FLOW CHARACTERISTICS:

								010014			0.4711
		SKAUIENI UAL	CULAIIUNS			VELOC	IL CALCUL	AIIUNS		LLOW	LAIN
Date of Measurement	MW-1 Upgradient	MW-3 Downgradient	Linear	Gradient	Hydraulic	Hydraulic Head	Formation	Flow Velocity	Flow Velocity	Degrees from	Compass
	Water Level (ft-REF)	Water Level (ft-REF)	Ulstance (ft)	FT/FT	gpd/ft ²	Difference (ft)	(as decimal)	tuday	ft/year	True North	Flow
29-Mar-00	64.74	64.27	215	0.0022	100	0.0022	0.24	0.12	44.3	130	ESE
27-Sep-00	64.10	63.80	215	0.0014	100	0.0014	0.24	0.08	28.3	127	п S П
05-Dec-00	64.17	63.93	215	0.0011	100	0.0011	0.24	0.06	22.6	104	ESE
05-Dec-01	63.42	62.87	215	0.0026	100	0.0026	0.24	0.14	51.9	125	ESE
12-Mar-03	62.31	61.60	215	0.0033	100	0.0033	0.24	0.18	67.0	117	ESE
06-Apr-04	61.41	61.15	215	0.0012	100	0.0012	0.24	0.07	24.5	107	ESE
28-Dec-04	63.02	62.67	215	0.0016	100	0.0016	0.24	0.09	33.0	135	SE
MAX VALUE	64.74	64.27		0.0033		0.0033		0.18	67.0	135	
MIN VALUE	61.41	61.15		0.0011		0.0011		0.06	22.6	104	
AVG VALUE	63.31	62.90		0.0019		0.0019		0.11	38.8	121	
DEVIATION	3.33	3.12		0.0022		0.0022		0.12	44.3	31	
ft-BTOC =	linear feet Below Top	Of well Casing		ft F	feet			gpd/ft [×] = (Galfons per Day pe	r Square Feet of Aqu	ul <u>f</u> er Matrix
R-REF =	feet corrected to fixed	Surveyed Elevation		FT/FT =	Feet of Head Chang	je/Feet of Horizon	tal Seperation				

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TABLE 1 { continued } SUMMARY OF HISTORICAL GROUNDWATER CONDITIONS & CHARACTERISTICS Baker Oil Tools - Hobbs, New Mexico

G:CLIENT\Baker Hughes LLP\HOBBS NM\REPORTS\INITIAL LETTER\GRADIENT VELOCITY.xis 2/17/2006

TABLE 2 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS Baker Atlas Facility - Hobbs, New Mexico

		CONSTIT	UENTS MIGRAT	ING FROM UP	GRADIENT NEI	GHBOR ⁽¹⁾		
#	Constituent >	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	2-Methyl- naphthalene	Naphthalene
	Method >	S-8020A	S-8020A	S-8020A	S-8020A	S-8020	S-8270C	S-8270C
Š	Units >	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	Standard >	0.01	0.75	0.75	0.62	DL	2-Methyl- naphthalene S-8270C mg/L 0.03 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01	0.03
	21-Dec-99	<0.005	< 0.005	<0.005	< 0.005	<0.005	< 0.01	< 0.01
1	29-Mar-00	< 0.005	< 0.005	<0.005	< 0.005	<0.005	< 0.01	<0.01
	27-Jun-00	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0159	0.0231
	27-Sep-00	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	<0.01	<0.01
13	5-Dec-00	< 0.005	< 0.005	<0.005	< 0.005	<0.005	< 0.01	<0.01
15	5-Dec-01	< 0.001	< 0.001	<0.001	<0.001	<0.001	< 0.01	<0.01
	12-Mar-03	<0.01	<0.01	<0.01	< 0.01	<0.01	<0.01	<0.01
	6-Apr-04	<0.001	< 0.001	<0.001	< 0.002	<0.001	< 0.01	<0.01
	28-Dec-04	<0.001	<0.001	<0.001	<0.002	<0.001	<0.01	<0.01
	21-Dec-99	< 0.005	<0.005	< 0.005	< 0.005	<0.005	<0.01	<0.01
	29-Mar-00	<0.005	< 0.005	<0.005	< 0.005	<0.005	< 0.01	<0.01
	27-Jun-00	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.01	<0.01
12	27-Sep-00	<0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.01	< 0.01
13	5-Dec-00	<0.005	<0.005	<0.005	< 0.005	< 0.005	< 0.01	<0.01
15	5-Dec-01	<0.001	< 0.001	<0.001	<0.001	<0.001	<0.01	<0.01
	12-Mar-03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
{	6-Apr-04	<0.001	<0.001	<0.001	<0.002	<0.001	<0.01	<0.01
L	28-Dec-04	<0.001	<0.001	<0.001	<0.002	<0.001	<0.01	<0.01
·····	21-Dec-99	<0.005	<0.005	<0.005	<0.005 I	<0.005	<0.01	<0.01
	29-Mar-00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
	27-10-00	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01
Y	27-Sep-00	<0.005	<0.000	<0.005	<0.000	0.0382	<0.01	<0.01
2	5-Dec-00	<0.005	<0.005	<0.005	<0.005	0.0357	<0.01	<0.01
2	5-Dec-01	<0.001	< 0.001	< 0.001	<0.001	< 0.001	<0.01	<0.01
2	12-Mar-03	<0.01	< 0.01	< 0.01	<0.01	< 0.01	< 0.01	< 0.01
1	6-Apr-04	0.0016	< 0.001	< 0.001	<0.001	0.0605	< 0.01	< 0.01
	28-Dec-04	<0.001	<0.001	< 0.001	<0.001	0.0025	< 0.01	<0.01
	21 Doc 99	<0.005	<0.005	<0.005	L <0.005	<0.005	0 1852	0.1173
ł	29-Mar-00	<0.005	<0.005	<0.005	<0.005	<0.005	0.1052	0.1175
1	27. 100-00	<0.005	<0.005	<0.005	<0.005	<0.005	0.0313	0.1221
	27-Son-00	<0.005	<0.005	<0.005	<0.005	<0.005	0.0043	0.1642
\mathbf{T}	5-Dec-00	<0.005	<0.005	<0.000	<0.000	<0.005	<0.01	0.021
R	5-Dec-01	<0.000	<0.000	<0.000	<0.000	<0.000	0.013	0.021
1	12-Mar-03	<0.001	<0.01	<0.01	<0.001	<0.01	<0.01	<0.01
	6-Apr-04	< 0.001	0.0011	<0.001	< 0.002	< 0.001	< 0.01	< 0.01
	28-Dec-04	<0.001	< 0.001	<0.001	<0.002	< 0.001	0.034	0.014
	21-Dec-99	<0.005	< 0.005	<0.005	< 0.005	<0.005	<0.01	<0.01
	29-Mar-00	<0.005	< 0.005	<0.005	< 0.005	< 0.005	<0.01	< 0.01
	27-Jun-00	< 0.005	< 0.005	<0.005	< 0.005	<0.005	< 0.01	< 0.01
1	27-Sep-00	< 0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.01	<0.01
13	5-Dec-00	<0.005	<0.005	<0.005	<0.005	<0.005	< 0.01	<0.01
15	5-Dec-01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01
	12-Mar-03	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
]	6-Apr-04	<0.001	<0.001	<0.001	<0.002	<0.001	<0.01	<0.01
L	28-Dec-04	<0.001	<0.001	<0.001	< 0.002	<0.001	<0.01	< 0.01
		(1)		n1	0.0	013	0.0	243
ABBREV. { CODING	Foofne Referenced correspondence da from Willia	in NMOCD ated March 8, 1995 m C. Olson	not detected at indic	ated concentration	detected at indicate below abatement NM 20.	ed concentration but standard setforth in 6.2.3103	detected at indicate above abatement s NM 20.6	d concentration and tandard setforth in 2.2.3103

G: CLIENT/Baker Hughes LLP/HOBBS NM/REPORTS UNITIAL LETTER/ANALYTICAL SUMMARY - HOBBS.xis 2/17/2006













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Attachment A Potentiometric Maps of Groundwater Elevations



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Attachment B March 8, 1995 NM EMNRD Correspondence



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STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 15051 827-7131

March 8, 1995

CERTIFIED MAIL RETURN RECEIPT NO. P-667-242-219

Mr. Thomas V. Stenbeck Baker Oil Tools P.O. Box 40129 9100 Emmott Rd. Houston, Texas 77240-0129

RE: BAKER OIL TOOLS HOBBS' FACILITY

Dear Mr. Stenbeck:

The New Mexico Oil Conservation Division (OCD) has completed a review of Baker Oil Tools, Inc. (Baker) January 13, 1995 "SITE ASSESSMENT REPORT, BAKER OIL TOOLS, 2800 W. MARLAND, HOBBS, NM". This document contains the results of Baker's investigation of ground water contamination at Baker's oilfield service company facility located at 2800 West Marland in Hobbs, New Mexico.

While the OCD approves of the investigation work performed, the investigation does show high levels of napthalenes directly adjacent to the former pit location and high levels of benzene in well WW-1. It appears that the high levels of benzene in well WW-1 are a result of contamination migrating from the upgradient Keeling Petroleum site and the OCD has referred the contamination in this well to the New Mexico Environment Department for action. However, the naphtalenes in the ground water and high soil TPH levels in the former pit appear to result from Baker's pit disposal activities.

Therefore, the OCD requests that Baker submit a plan to address the contamination in the direct vicinity of the former pit. Please submit the plan to the OCD Santa Fe Office with a copy provided to the OCD Hobbs Office.

If you have any questions, please call me at (505) 827-7154.

Sincerely.

Wílliam C. Olson Hydrogeologist Environmental Bureau

xc: Jerry Sexton, OCD Hobbs District Supervisor Wayne Price, OCD Hobbs Office

Attachment C Sampling program and Field data Collection Forms



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E\WPAUS\PJT\50-21007\04\L502100704-001.DOC

HOBBS Br 33	nn VonGonten	EC 2006	TER LEVELS ONLY Well MW-2 MW-16 WW-1	Liter Amber Glass, no treat easurement completed in field	ANALYZEDIFOR Semivolatiles (8270)
ER SAMPLING FIELD PROGRAM SHEET Baker Hughes r Oil Tools Stee est Marland Access Junior Hernandez, Reg. Mr est Marland Access 505-393-8830 / 505-390-67 New Mexico Contact	ral Resources Department Division	JUN JUL AUG SEP OCT NOV D J Quarter 1 Event in 3rd Quarter 1 Event in 4th Quarter 1 2000 1	WP DO NOT SAMPLE ANY WELLS CONTAINING MEASURABLE PHASE-SEPARATED HYDROCARBON	Transfer MeriHob Houbins BLANK DAVAC 4.1 S-8270C 7 days 1 & II 2 S-8270C 7 days 1 & II 1 I & II 1 1 Total Field immediate 1 & II 1 na Field immediate 1 & II 1 na Field immediate 1 & II 1 na Field immediate 1 & II	AMALYSIS FEREORMED No: PER EVENT Volatilve Organics Only 0 Volatilve Organics Only 0 Volatilve Organics Only 0 Volatilve Organics Only 0 Same and the organics only 0 Volatilve Organics Only 0 Volatilve Organics Only 0 Same and the organics only 0
I INC. GROUNDWATE GROUNDWATE Address 2800 W Hobbs,	/ Revised: New Mexico Energy, Minerals and Natu Oil and Conservation	JAN FEB MAR APR MAN 1 Event in 1st Quarter 1 Event in 2n	ANALYTICAL SAMPLING Weit MW-1 Background R-1 Downgradient MW-3 Downgradient	PARAMETER 2-Methylnaphthalene Naphthalene pH Specific Conductance Temperature T = trip blank, F = field blank, D = duplicate sample	SAMPLETYPE FREQUENCY Connected TRIP BLANK One per loc chest FIELD BLANK One per loc chest FIELD BLANK One per loc chest 1-liter Amber Glass, no treat #1
	Fom Date: FEB-01-2006 Sampling Reference In:	Event(s)	Sampling	Analysis Performed	GA/QC Samples Bottle Sets

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Caller.

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G://CLIENT/Baker Hughes LLP/HOBBS NM/REPORTS/INIT/AL LETTERVAttch C-FIELD FORMS - HOBBS.x/s 2/24/2006

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(A) Depth To Top Of Hydrocarbon feet Image: Comparison of the co		Baker Oil Tools 2800 W. Marland Street Hobbs, New Mexico 88240-86	25	MW-1 Background	R-1 Downgradient	MNW-3 Downgradient	FLUID LEVELS ONLY
(B) Depth To Top Of Groundwater feet Time: (C) Time Of Fluid Measurement N/A Top PSH: (D) Hydrocarbon Thickness feet Top Water: (E) Total Depth Of Woll feet Image: Comparison of the com	(A)	Depth To Top Of Hydrocarbon	feet				MW-2
(C) Time Of Fluid Measurement N/A Top PSH: (D) Hydrocarbon Thickness feet Top Water: (E) Total Depth Of Well feet Image: Comparison of the com	(B)	Depth To Top Of Groundwater	feet				Time:
(D) Hydrocarbon Thickness feet Image: State Fluid Column In Well gallons Image: State Fluid Volume In Well gallons	(C)	Time Of Fluid Measurement	N/A				Top PSH:
(E) Total Depth Of Well feet Image: State of the	(D)	Hydrocarbon Thickness	feet				Top Water:
(F) Height Of Fluid Column in Well (E)-(B) feet Image: Top PSH: Top PSH: (G) Volume Multiplier (2-INCH WELLS) N/A 0.17 0.17 0.17 (H) One Static Fluid Volume in Well : [(F) x (G)] gallons Image: Top Water: Top Water: (I) Three Static Volumes To Be Purged (J) gallons Image: Top PSH: Top Water: (J) Volume Purged gallons Image: Top PSH: Top PSH: (L) Specific Conductance µmhos /cm³ Image: Top Vater: Top Vater: (M) Temperature °F Image: Top Vater: Top Water: (O) Is there damage to: Well Pad: [Yes []No [Yes []No (U) Appearance Observations Clarity Image: Top Vater: I Yes []No (O) Is there damage to: Well Pad: [Yes []No [Yes []No [Yes []No (E) Is there damage to: Well Casing: [Yes []No [Yes []No [Yes []No (I) I-liter Amber Glass w/ No Treat % 2 2 2 2 (K) SAMPLER'S INITIALS: Ima	(E)	Total Depth Of Well	feet				MW-16
(G) Volume Multiplier (2-INCH WELLS) N/A 0.17 0.17 0.17 (H) One Static Fluid Volume In Well : [[F] x (G]] gallons	(F)	Height Of Fluid Column In Well (E) - (B)	feet				Time:
(H) One Static Fluid Volume In Well : gallons Image: Construction of the static fluid volumes for Be Purged gallons Image: Construction of the static fluid volumes for Be Purged gallons Image: Construction of the static fluid volumes for Be Purged gallons Image: Construction of the volumes for Be Purged gallons Image: Constr	(G)	Volume Multiplier (2-INCH WELLS)	N/A	0.17	0.17	0.17	Top PSH:
(I) Three Static Volumes To Be Purged : [(H) x 3] gallons Image: Static Volume Purged gallons (J) Volume Purged gallons Image: Static Volume Purged gallons Image: Static Volume Purged Time: (K) pH stn units Image: Static Volume Purged gallons Image: Static Volume Purged Time: (L) Specific Conductance µmhos /cm ³ Image: Static Volume Purged Top PSH: (M) Temperature °F Image: Static Volume Purged Top Water: (N) Appearance Observations Clarity Image: Static Volume Purged Image: Static Volume Purged (O) Color Color Image: Static Volume Purged Image: Static Volume Purged Image: Static Volume Purged (O) Color Image: Static Volume Purged	(H)	One Static Fluid Volume In Well : [(F) x (G)]	gallons				Top Water:
(J) Volume Purged gailons Image: Structure Time: (K) pH structure µmhos /cm³ Image: Structure Top PSH: (L) Specific Conductance µmhos /cm³ Image: Structure Top Water: (M) Temperature °F Image: Structure Image: Structure Image: Structure (N) Appearance Observations Clarity Image: Structure Image: Structure Image: Structure (O) Color Color Image: Structure	(I)	Three Static Volumes To Be Purged : [(H) x 3]	gallons				WW-1
(K) pH stn units Image: Strength and the strengende strengend and the strengend and the strengend a	 (J)	Volume Purged	gallons				Time:
(L) Specific Conductance µmhos /cm³ Image: Conductance	(K)	рН	stn units				Top PSH:
(M) Temperature °F Image: Same state s	(L)	Specific Conductance	µmhos /cm³				Top Water:
(N) Appearance Observations Clarity Image: Clarity Image: Clarity (O) Color Color Image: Clarity Image: Clarity Is there damage to: Well Pad: []Yes []No []Yes []No []Yes []No Is there damage to: Well Pad: []Yes []No []Yes []No []Yes []No Well Casing: []Yes []No []Yes []No []Yes []No	(M)	Temperature	۴F				
(O) Color Color is there damage to: Well Pad: []Yes []No []Yes []No []Yes []No Well Casing: []Yes []No []Yes []No []Yes []No []Yes []No Pump / Bailer: []Yes []No []Yes []No []Yes []No []Yes []No 1-liter Amber Glass w/ No Treat # # 2 2 2 SAMPLER'S INITIALS: SAMPLER'S INITIALS: Image: Stample Stamp	(N)	Appearance Observations	Clarity				
Is there damage to: Well Pad: []Yes []No []Yes []No []Yes []No Well Casing: []Yes []No []Yes []No []Yes []No []Yes []No Pump / Bailer: []Yes []No []Yes []No []Yes []No []Yes []No Well Cap: []Yes []No []Yes []No []Yes []No []Yes []No 1-liter Amber Glass w/ No Treat	(0)	Color					
Well Casing: []Yes []No []Yes []No []Yes []No Pump / Bailer: []Yes []No []Yes []No []Yes []No Well Cap: []Yes []No []Yes []No []Yes []No 1-liter Amber Glass w/ No Treat % 2 2 2 ** % 2 2 2 2 SAMPLER'S INITIALS: Image: Same state		Is there damage to:	Vell Pad:	[]Yes []No	[]Yes []No	[]Yes []No	
Image: Second system Pump / Bailer: []Yes []No []Yes []No []Yes []No 1-liter Amber Glass w/ No Treat % 2 2 2 ** % 2 2 2 SAMPLER'S INITIALS: Image: Second system Image: Second system Image: Second system Image: Second system)ec	Wel	l Casing:	[]Yes []No	[]Yes []No	[]Yes []No	
Well Cap: []Yes []No []Yes []No []Yes []No 1-liter Amber Glass w/ No Treat # 2 2 2 # # # - - SAMPLER'S INITIALS:	lsu	Pump) / Bailer:	[]Yes []No	[]Yes []No	[]Yes []No	
1-liter Amber Glass w/ No Treat % 2 2 2 # # # #		٧	Vell Cap:	[]Yes []No	[]Yes []No	[]Yes []No	
SAMPLER'S INITIALS:	1-lit	ter Amber Glass w/ No Treat	tles	2	2	2	
SAMPLER'S INITIALS:			Bott +				
		SAMPLER'S IN	IITIALS:				
DATE SAMPLED:		DATE SAI	MPLED:				

Notes on any well damage noted on this page >



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Time	Time	Time	Time
Date	Date	Date	Date
Signature	Signature	Signature	Signature

	PRESV		Cool 4°C	Cool 4°C	Cool 4°C				
ANALYSIS	Naphthalen	SW-8270C		Þ	Þ			D	3
	2-Methyl- naphthalene	SW-8270C		N	M				e
CONTAINER	1-Liter Amber Glass	no treat	2	2	2				9
		MEDIA	Groundwater	Groundwater	Groundwater				
rters 1, 2, 3, & 4 of 2006	ECIFICS	TIME							TOTALS
mpling Performed in Qua	SAMPLE SP	DATE							MPLE ENTRY
Sa		SAMPLE ID	MW-1	R-1	MW-3				NOT A SA

G:ICUENTIBBRE HUGHES LLPHOBBS NIMREPORTSUNITIAL LETTERMICH CFIELD FORMS - HOBBS x18 224/2006

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Attachment B 2003 Access Agreement For Keeling Distributing Access to Baker Oil Tools Wells



Shelda Mendoza



Albuquerque, NM 87109 Phone: 888-2627 Fax: 888-2630

April 3, 2003

Mr. Dennis Collins Baker Oil Tools PO Box 61347 Midland, TX 79711

Dear Mr. Collins:

The New Mexico Environment Department (NMED) has requested that Keeling Distributing determine the extent of petroleum contamination in the soil and groundwater that is associated with the release from the former UST system located at 2902 W. Marland, Hobbs, NM. To conduct this investigation as required by the NMED, a groundwater monitoring well will be placed on your property. The exact location will be determined, in part, by property boundaries, underground utilities, and structure locations. Please see the enclosed map for tentative locations.

Upon project completion the well will be plugged and abandoned in accordance with the applicable New Mexico rules and regulations. We will make every effort to minimize the disruption on the property and any inconvenience to you. We will also provide you with a copy of all analytical results and final investigation report upon project completion.

We respectfully request your permission to sample and drill on your property. Please review the enclosed Right of Entry Form. Please sign and return the form in the enclosed envelope as soon as possible so that we may proceed with this environmental restoration project.

If you have any questions, please call me at (505) 888-2627. Thank you for your cooperation in this matter.

Sincerely, Shelda Sutton

Shelda Sutton President

p.3

RIGHT OF ENTRY FORM NSYNC ENVIRONMENTAL

The undersigned, who is (are) the fee owner(s) of record (hereinafter referred to as Owner) with the sole right to the affected property, does hereby consent and grant NSYNC Environmental (hereinafter referred to as NSYNC), its agents, employees, and assignees the right to enter affected property, east of 2902 West Marland, Hobbs, NM to sample and establish groundwater monitoring well as required by the New Mexico Environment Department, and to conduct other activities as may be required in connection therewith. This Right of Entry is effective upon completion of this document.

This Right of Entry is granted in consideration of NSYNC's following commitments:

NSYNC agrees that in consideration of Owners(s) granting this Right of Entry, the 1. affected property will be restored as much as reasonably possible to its condition proceeding our entry. If monitoring wells are developed, these wells will be plugged and abandoned upon project termination in accordance with New Mexico's applicable rules and regulations.

Soil borings/monitoring well(s) will be positioned on the property as shown by the 2. attachment hereto. Sustained pumping activities of groundwater from the well shall not be conducted.

3: NSYNC to protect Owner from any and all liability which might arise as a result of the foregoing activities on the described property.

Owner(s) retain the discretion to terminate this agreement at any time, after 30 days 4. written notice, if it is in his or his successor's interests.

5. NSYNC will provide owner(s) with all analytical results and final investigation report within 90 days of the completion of drilling. NSYNC agrees to provide owner with all future laboratory results and keep the owner informed of all future developments concerning subject property as it pertains to this investigation.

Owner(s) Agent

HBaker Oil Tods)

Date

NSYNC Environmental

Shelda Sutton

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	Sector Sector		Δ		•.
. ·		1.84'	rehousa	Stonge	
	8	MW-1	Ottloz		
		MW-2	D 35-5	1.55	
	: Tru Park	ak (D) 3B-2 Ing		⊘ MW-3	
1 hatin -	•	△ :84		×	
Contdar					
		WEST (Mat	uarland) Is Lense;		· ·

Splanation:		A Proposed Minister W		SITE MAP	
Monitor Wes	Destroyed			2902 West Marland Hobbs, New Mexico	
D Soil Boring	acation .			N SINC	INTAL
Buiking		0. 40 tt		Alberterres, 54	57109 17109

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קטביבט בט נקיי Shelda Mendoza APR-02-2003 WED 11:48 AM NMED

505-888-2630 FAX NO. 15056242023

Attachment C 2006 Investigation Laboratory Report




RMT

Certificate of Analysis Number: <u>06020580</u>						
Report To:	Project Name:	Baker Hughes/NMOCD/50-21007.03				
RMT	<u>Site:</u>	Baker Oil Tools				
Robert Sherrill	Site Address:					
805 Las Cimas Parkway, Suite 300						
Austin TX	<u>PO Number:</u> <u>State:</u>	New Mexico				
78746-6179 ph: (512) 327-9840 fax:	<u>State Cert. No.:</u> Date Reported:	2/24/2006				

This Report Contains A Total Of 9 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

2/24/2006

Date

Test results meet all requirements of NELAC, unless specified in the narrative.





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Case Narrative for:

RMT

Certificate of Analysis Number: <u>06020580</u>						
Report To:	Project Name:	Baker Hughes/NMOCD/50-21007.03				
RMT	<u>Site:</u>	Baker Oil Tools				
Robert Sherrill	Site Address:					
805 Las Cimas Parkway, Suite 300						
Austin	PO Number:					
тх	State:	New Mexico				
78746-6179	State Cert. No.:					
ph: (512) 327-9840 fax:	Date Reported:	2/24/2006				

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



- China -	

2/24/2006

Date

Elessa Sommers Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

RMT

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Germicale	UL AHAIVSIS	MULIDEL.
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06020580

<u>Report To:</u>	RMT Robert Sherrill 805 Las Cimas Parkway	γ, Suite 300	<u>Project Name:</u> <u>Site:</u> <u>Site Address:</u>	Baker Hughes/NMOCD/50-21007.03 Baker Oil Tools
	Austin TX 78746-6179 ph: (512) 327-9840	fax: (512) 327-6163	<u>PO Number:</u> <u>State:</u> State Cert. No.:	New Mexico
<u>Fax To:</u>			Date Reported:	2/24/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	06020580-01	Water	2/10/2006 12:00:00 PM	2/11/2006 10:30:00 AM		
R-1	06020580-02	Water	2/10/2006 1:20:00 PM	2/11/2006 10:30:00 AM		
MW-3	06020580-03	Water	2/10/2006 11:15:00 AM	2/11/2006 10:30:00 AM		

Elessa Sommers Senior Project Manager 2/24/2006

Date

Joel Grice Laboratory Director

Ted Yen Quality Assurance Officer



2/24/2006 1:47:25 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Client Sample ID:MW-1

Analyses/Method

SEMIVOLATILES

Collected: 02/10/2006 12:00

06020580-01 SPL Sample ID:

Site: Baker Oil Tools						
nalyses/Method	Result QUAL	Rep.Limit	Dil. F	actor Date An	alyzed Analyst	Seq. #
EMIVOLATILES ORGANIC	S BY METHOD 8270C		MCL	SW8270C	Units: ug/L	
2-Methylnaphthalene	ND	5		1 02/17/00	6 10:44 E_R	3166705
Nephthalana	ND	F		1 02/17/00	2 10-14 E D	2166705

				more -	01102100			
2-Methylnaphthalene	ND		5	1	02/17/06	10:44	E_R	3166705
Naphthalene	ND		5	1	02/17/06	10:44	E_R	3166705
Surr: 2-Fluorobiphenyl	82.0	%	23-116	1	02/17/06	10:44	E_R	3166705
Surr: Nitrobenzene-d5	76.0	%	21-114	1	02/17/06	10:44	E_R	3166705
Surr: Terphenyl-d14	88.0	%	22-141	1	02/17/06	10:44	E_R	3166705

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/16/2006 13:34	N_M	1.00



ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference

2/24/2006 1:47:33 PM



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Client Sample ID:R-1		Colle	ected: 02	2/10/2006 13:20	SPL Sar	nple	D : 0602	0580-02
		Site	: Bak	er Oil Tools				
Analyses/Method	Result QUAL	Rej	p.Limit	Dil. Factor	Date Ana	lyzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL S	N8270C	Ur	nits: ug/L	
2-Methylnaphthalene	12		5	1	02/17/06	12:38	E_R	3166708
Naphthalene	10		5	1	02/17/06	12:38	E_R	3166708
Surr: 2-Fluorobiphenyl	66.0	%	23-116	1	02/17/06	12:38	E_R	3166708
Surr: Nitrobenzene-d5	60.0	%	21-114	1	02/17/06	12:38	E_R	3166708
Surr: Terphenyl-d14	88.0	%	22-141	1	02/17/06	12:38	ER	3166708

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/16/2006 13:34	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE

HOUSTON, TX 77054 (713) 660-0901

Client Sample ID:MW-3 Collected: 02/10/2006 11:15 SPL Sample ID: 06020580-03 Site: **Baker Oil Tools** Result QUAL Rep.Limit Dil. Factor Date Analyzed Analyst Seq. # Analyses/Method Units: ug/L SEMIVOLATILES ORGANICS BY METHOD 8270C MCL SW8270C 3166709 2-Methylnaphthalene 5 02/17/06 13:16 E_R ND 1 Naphthalene ND 5 1 02/17/06 13:16 E_R 3166709 Surr: 2-Fluorobiphenyl 76.0 % 23-116 1 02/17/06 13:16 E_R 3166709 1 02/17/06 13:16 E_R 3166709 Surr: Nitrobenzene-d5 72.0 % 21-114 Surr: Terphenyl-d14 86.0 % 22-141 1 02/17/06 13:16 E_R 3166709

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/16/2006 13:34	N_M	1.00







- ND/U Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference

2/24/2006 1:47:33 PM

Quality Control Documentation



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2/24/2006 1:47:33 PM



RMT

Baker Hughes/NMOCD/50-21007.03

Analysis: Method:	Semivolatiles Organi SW8270C	ics by Meth	od 8270C			WorkOrder: Lab Batch ID:	06020580 55227
	Meth	od Blank			Samples in Analyt	ical Batch:	
RunID:	R_060217A-3166710	Units:	ug/L		Lab Sample ID	Client Sa	mple ID
Analysis Date:	02/17/2006 15:10	Analyst:	E_R		06020580-01A	MW-1	
Preparation Date:	02/16/2006 13:34	Prep By:	N_M N	Nethod SW3510C	06020580-02A	R-1	
					06020580-03A	MW-3	
[Analyte		Result	Rep Limit			
2-Me	thyinaphthalene		ND	5.0			
Naph	thalene		ND	5.0			
Su	Irr: 2-Fluorobiphenyl		72.0	23-116			
Su	Irr: Nitrobenzene-d5		72.0	21-114			
Su	Irr: Terphenyl-d14		82.0	22-141			
	<u>,</u>		La	boratory Control S	Sample (LCS)		
	RunID:		R 060217	'A-3166704 Un	iits: ua/L		

RunID:	R_060217A-3166704	Units:	ug/L
Analysis Date:	02/17/2006 9:28	Analyst:	E_R
Preparation Date:	02/16/2006 13:34	Prep By:	N_M Method

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
2-Methylnaphthalene	50.0	40.0	80.0	20	170
Naphthalene	50.0	41.0	82.0	21	133

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:
RunID:
Analysis Date:
Preparation Date:

06020580-01 R_060217A-3166706 02/17/2006 11:22 02/16/2006 13:34

Units: ug/L Analyst: E_R Prep By: N_M Method SW3510C

SW3510C

Analyte	Sample Result	MS Spike	MS Result	MS % Recovery	MSD Spike	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
		Auteu			Audeu						
2-Methylnaphthalene	ND	100	54.0	54.0	100	88.0	88.0	47.9	50	20	170
Naphthalene	ND	100	61.0	61.0	100	88.0	88.0	36.2	50	21	133

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

percent recoveries for QC samples are correct as reported. Due to significant figures and

rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

2/24/2006 1:47:34 PM

Sample Receipt Checklist And Chain of Custody

2/24/2006 1:47:34 PM



Sample Receipt Checklist

Workorder:	e Received.	06020580 2/11/2006 10:30:00 AM			Received By: Carrier name	NB : Fedex-Priority	,
Temperature:	U . 10001400.	3.0°C			Chilled by:	Water Ice	
1. Shipping	container/co	ooler in good condition?	Yes	✓	No	Not Present	
2. ^{Custody}	seals intact o	on shippping container/cooler?	Yes		Νο	Not Present	
3. Custody	seals intact o	on sample bottles?	Yes		No 🗔	Not Present	
4. Chain of	custody pres	sent?	Yes	\checkmark	Νο		
5. Chain of	custody sign	ed when relinquished and received?	Yes		No 🗌		
6. Chain of	custody agre	ees with sample labels?	Yes	\checkmark	No		
7. Samples	in proper co	ntainer/bottle?	Yes		No 🗌		
8. Sample of	containers int	act?	Yes	\checkmark	No 🗌		
9. Sufficien	t sample volu	ume for indicated test?	Yes	\checkmark	Νο		
10. All samp	les received	within holding time?	Yes		No		
11. Containe	er/Temp Blanl	k temperature in compliance?	Yes		No 🗌		
12. Water - V	/OA vials hav	e zero headspace?	Yes		Νο 🗌 🛝	OA Vials Not Present	
13. Water - F	Preservation	checked upon receipt (except VOA*)?	Yes		No 🗔	Not Applicable	
*VOA Pre	eservation Ch	necked After Sample Analysis			·····		
SPL	Representati	ve:	Con	tact Date	e & Time:		
Client N	ame Contact	ed:					
Non Con	formance Issues:		-				
Client Ins	structions:						
l	:						

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Time 1700	Time	LOBC	Time		Time			10554d		БП	ICE	ICE		
Date X-10-00	Date	م0/11/10	Date		Date		ANALYSIS	Naphthalene	SW-8270C	Þ	D		0	0
A moss	ature	(ature		alure		1	2-Methyl- nanbthalene	SW-8270C		Ŋ	Þ	0	0
sign Sign		INHA V	Styles	Ň	sugi S		CONTAINER	1.Liter Amher Glace	no treat	2	2	2		
ad as part of: e Monitoring?	Q D	sligation?	ND	ure?	NO				MEDIA	Groundwater	Groundwater	Groundwater		
Samples Analyze Compliance	X YES	TRRP Inver	L KE	TRRP Clos	YES		ters 1, 2, 3, & 4 of 2006	ECIFICS	TIME	1200	1320	1115		
Baker Hughes Baker Oil Tools	50-21007.03	NMOCD	na	N	equired?	s Needed? No	npling Performed in Quar	SAMPLE SPI	DATE	2-10-06	2-10-06	2-10-00		
Client: Location:	RMT Job Number	Sampling Program:	Analytical Program	TRRP Report Required?	Dry Weight Reporting Ru	Special Reporting Limits	Sar		SAMPLE ID	MW-1	R-1	mw-3		

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RMT

Certificate of Analysis Number: 06040637							
Report To:	Project Name: Former Baker Oil Tools						
RMT	<u>Site:</u> Hobbs, NM						
Robert Sherrill	Site Address:						
805 Las Cimas Parkway, Suite 300							
Austin	PO Number:						
TX	State: New Mexico						
78746-6179	State Cert. No.:						
ph: (512) 327-9840 fax:	Date Reported: 4/24/2006						

This Report Contains A Total Of 9 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

4/24/2006

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



Case Narrative for:

RMT

Certificate of Analysis Number: <u>06040637</u>							
Report To:	Project Name:	Former Baker Oil Tools					
RMT	Site:	Hobbs, NM					
Robert Sherrill	Site Address:						
805 Las Cimas Parkway, Suite 300							
Austin	PO Number:						
тх	<u>State:</u>	New Mexico					
78746-6179	State Cert. No.:						
ph: (512) 327-9840 fax:	Date Reported:	4/24/2006					

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



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4/24/2006

Elessa Sommers Senior Project Manager



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

RMT

Certificate of Analysis Number:	
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<u>06040637</u>

<u>Report To:</u>	RMT Robert Sherrill 805 Las Cimas Parkway,	Suite 300	<u>Project Name:</u> <u>Site:</u> <u>Site Address:</u>	Former Baker Oil Tools Hobbs, NM
	Austin			
	ТХ		PO Number:	
	78746-6179		State:	New Mexico
	ph: (512) 327-9840	fax: (512) 327-6163	State Cert. No.:	
<u>Fax To:</u>			Date Reported:	4/24/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	06040637-01	Water	4/13/2006 11:35:00 AM	4/14/2006 10:00:00 AM		
MW-3	06040637-02	Water	4/13/2006 10:45:00 AM	4/14/2006 10:00:00 AM		
R-1	06040637-03	Water	4/13/2006 12:30:00 PM	4/14/2006 10:00:00 AM		



R

Elessa Sommers Senior Project Manager 4/24/2006

Date

Joel Grice Laboratory Director

Ted Yen Quality Assurance Officer







HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID:MW-1			Col	ected: 04	4/13/2006 1	1:35	SPL San	nple I	D: 0604	0637-01
			Sit	e: Hob	bs, NM					
Analyses/Method	Result Q	UAL	Re	ep.Limit	Dil.	Factor	Date Anal	yzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 82	70C			MCL	SV	V8270C	Un	its: ug/L	
2-Methylnaphthalene	ND			5		1	04/19/06	23:59	GQ	3247370
Naphthalene	ND			5		1	04/19/06	23:59	GQ	3247370
Surr: 2-Fluorobiphenyl	102		%	23-116		1	04/19/06	23:59	GQ	3247370
Surr: Nitrobenzene-d5	96.0		%	21-114		1	04/19/06	23:59	GQ	3247370
Surr: Terphenyl-d14	72.0		%	22-141		1	04/19/06	23:59	GQ	3247370

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	04/18/2006 11:42	N_M	1.00





Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Client	Sample	ID:MW-3	

Collected: 04/13/2006 10:45

SPL Sample ID: 06040637-02

		Sit	e: Hob	bs, NM					
Analyses/Method	Result QUAL	R	ep.Limit	Dil. F	actor	Date Analy	zed	Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL	SI	W8270C	Un	its: ug/L	
2-Methylnaphthalene	ND		5		1	04/22/06 1	1:21	GQ	3250433
Naphthalene	ND		5		1	04/22/06 1	1:21	GQ	3250433
Surr: 2-Fluorobiphenyl	88.0	%	23-116		1	04/22/06 1	1:21	GQ	3250433
Surr: Nitrobenzene-d5	90.0	%	21-114		1	04/22/06 1	1:21	GQ	3250433
Surr: Terphenyl-d14	70.0	%	22-141		1	04/22/06 1	1:21	GQ	3250433

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	04/18/2006 11:42	N_M	1.00



Qualifiers:

- ND/U Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID:R-1

Collected: 04/13/2006 12:30 SPL Sample ID:

ple ID: 06040637-03

		Site	e: Hob	bs, NM					
Analyses/Method	Result QUAL	Re	p.Limit	Dil. F	actor	Date Analy	zed	Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL	SI	N8270C	Un	its: ug/L	
2-Methylnaphthalene	8		5		1	04/20/06	1:01	GQ	3247371
Naphthalene	8		5		1	04/20/06	1:01	GQ	3247371
Surr: 2-Fluorobiphenyl	88.0	%	23-116		1	04/20/06	1:01	GQ	3247371
Surr: Nitrobenzene-d5	86.0	%	21-114		1	04/20/06	1:01	GQ	3247371
Surr: Terphenyl-d14	76.0	%	22-141		1	04/20/06	1:01	GQ	3247371

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	04/18/2006 11:42	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



Quality Control Documentation

.



RMT

Former Baker Oil Tools

Analysis: Method:	Semivolatiles Orga SW8270C	anics by Metho	od 8270C	:				Worl Lab	kOrder: Batch ID:	060 566	40637 23		
	Me	thod Blank	* <u></u>			Sampl	es in Analy	tical Batcl	n:				
RunID: J_060419	A-3246463	Units:	ug/L			Lab Sa	ample ID		Client S	Sample IC	2		
Analysis Date: Preparation Date:	04/19/2006 12:25 04/18/2006 11:42	Analyst: Prep By:	8_G N_M 1	Method SW	3510C	060400 060400 060400	537-01A 537-02A 537-03A		MW-1 MW-3 R-1				
	Analyte		Result	Rep Limit									
2-Met Naphi Sur Sur	hylnaphthalene thalene rr: 2-Fluorobiphenyl rr: Nitrobenzene-d5 rr: Terphenyl-d14		ND ND 86.0 76.0 96.0	5.0 5.0 23-116 21-114 22-141									
			<u>L</u> ā	aboratory C	ontrol Sam	ole (LC	: <u>S)</u>						
	Runii	D:	J_060419	A-3246464	Units:	ug	/L						
	Prepa	aration Date:	04/19/20	06 11:42	Prep B	.: S_ y: N_	_M Method	SW3510C	,				
		Analy	te		Spike Re Added	sult	Percent Recovery	Lower Limit	Upper Limit]			
4	2-Methy	Inaphthalene	- <u></u>		50.0	41.0	82.0	20	170				
	Naphtha	alene			50.0	42.0	84.0	21	133]			
-		Matrix	Spike (N	AS) / Matrix	Spike Dupli	cate (I	MSD)				<u></u>		
	Sar	nple Spiked:	06040	591-04 20A-3248158	Units								
	Ana Pre	alysis Date: paration Date:	04/20/2 04/18/2	2006 13:36 2006 11:42	Analy Prep	st: S By: N	S_G N_M Method	1 SW3510)C				
Ar	nalyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSE Spike Adde	D MSD e Resul ed	t Rec	D % overy	RPD	RPD Limit	Low Limit	High Limit
2-Methylnaphthalen	16	ND	100	91.	0 91.0	1	<u>ه ا</u>	36.0	86.0	5.65	50	20	170
e menymuphinaen			· · · · · · · · · · · · · · · · · · ·			1							<u> </u>

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank J - Estimated value between MDL and PQL D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

The percent recoveries for QC samples are correct as reported. Due to significant figures and

rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

MI - Matrix Interference

Sample Receipt Checklist And Chain of Custody



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE

HOUSTON, TX 77054 (713) 660-0901

Sample Receipt Checklist

Workorder: Date and Time Rece Temperature:	06040637 ived: 4/14/2006 10:00:00 AM 3.0°C		Received By: Carrier name: Chilled by:	R_R Fedex-Standard Overnight Water Ice
1. Shipping conta	iner/cooler in good condition?	Yes 🔽	No 🗌	Not Present
2. Custody seals i	intact on shippping container/cooler?	Yes 🔽	No	Not Present
3 . Custody seals i	intact on sample bottles?	Yes	No	Not Present
4. Chain of custor	dy present?	Yes 🔽	Νο	
5. Chain of custor	dy signed when relinquished and receiv	ed? Yes 🗹	No 🗌	
6. Chain of custor	dy agrees with sample labels?	Yes 🔽	No 🗌	
7. Samples in prop	per container/bottle?	Yes 🗹	No 🗌	
8. Sample contain	ers intact?	Yes 🔽	No 🗌	
9. Sufficient samp	ele volume for indicated test?	Yes 🔽	No 🗌	
10. All samples rec	eived within holding time?	Yes 🗸	No 🗌	
11. Container/Temp	p Blank temperature in compliance?	Yes 🔽	Νο	
12. Water - VOA via	als have zero headspace?	Yes	No 🗌 VO.	A Vials Not Present
13. Water - Preserv	vation checked upon receipt (except VO	A*)? Yes 🔽	No 🗔	Not Applicable
*VOA Preservat	tion Checked After Sample Analysis			
SPL Repres	sentative:	Contact Date &	Time:	
Client Name C	ontacted:			
Non Conformar Issu	nce Jes:	<u> </u>		
Client Instructio	ons:			
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GAREPORTBAKER HUGHES HOBBSITECHOOCIFIELD FORMS - HOBBS.xk 4/7/2006



RMT

Certificate of A <u>060</u>	nalysis Number: 80350	
Report To:	Project Name:	Former Baker Oil Tools
RMT	<u>Site:</u>	Hobbs, New Mexico
Robert Sherrill	Site Address:	
805 Las Cimas Parkway, Suite 300		
Austin	PO Number:	
TX	State:	New Mexico
78746-6179	State Cert. No.:	
ph: (512) 327-9840 fax:	Date Reported:	8/22/2006

This Report Contains A Total Of 9 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

8/22/2006

Test results meet all requirements of NELAC, unless specified in the narrative.



Case Narrative for:

RMT

Certificate of Analysis Number: <u>06080350</u>								
Report To:	Project Name:	Former Baker Oil Tools						
RMT	<u>Site:</u>	Hobbs, New Mexico						
Robert Sherrill	Site Address:							
805 Las Cimas Parkway, Suite 300								
Austin	PO Number:							
тх	State:	New Mexico						
78746-6179	State Cert. No .:							
ph: (512) 327-9840 fax:	Date Reported:	8/22/2006						

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



Cen Sm

8/22/2006

Elessa Sommers Senior Project Manager



RMT

			*	
Cer	tificate of A	nalysis	Number:	

<u>06080350</u>

<u>Report To:</u>	RMT Robert Sherrill 805 Las Cimas Parkway, Suite 300	<u>Project Name:</u> <u>Site:</u> <u>Site Address:</u>	Former Baker Oil Tools Hobbs, New Mexico
<u> </u>	Austin TX 78746-6179 ph: (512) 327-9840 fax: (512) 327-6163	<u>PO Number:</u> <u>State:</u> <u>State Cert. No.:</u> Date Reported:	New Mexico 8/22/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	06080350-01	Water	8/8/2006 9:50:00 AM	8/9/2006 9:30:00 AM		
MW-3	06080350-02	Water	8/8/2006 11:35:00 AM	8/9/2006 9:30:00 AM		
R-1	06080350-03	Water	8/8/2006 10:50:00 AM	8/9/2006 9:30:00 AM		

R

Elessa Sommers Senior Project Manager 8/22/2006

Date

Joel Grice Laboratory Director

Ted Yen Quality Assurance Officer

8/22/2006 3:13:23 PM



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054

> (713) 660-0901 SPL Sample ID:

06080350-01

Client	Sample	ID: MW-1
--------	--------	-----------------

Collected: 08/08/2006 9:50

		Si	te: Hob	bs, New Me	xi	co			
Analyses/Method	Result QUAL	R	ep.Limit	Dil. F	ac	tor Date Anal	yzed	Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL		SW8270C	Un	its: ug/L	
2-Methylnaphthalene	ND		5		1	08/16/06	18:15	GQ	3416098
Naphthalene	ND		5		1	08/16/06	18:15	GQ	3416098
Surr: 2-Fluorobiphenyl	94.0	%	23-116		1	08/16/06	18:15	GQ	3416098
Surr: Nitrobenzene-d5	88.0	%	21-114		1	08/16/06	18:15	GQ	3416098
Surr: Terphenyl-d14	54.0	%	22-141		1	08/16/06	18:15	GQ	3416098

Prep Method	Prep Date	Prep Initials	Prep Factor	
SW3510C	08/10/2006 10:29	N_M	1.00	



ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference



08/10/2006 10:29

N_M

SW3510C

HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Client Sample ID:MW-	3		Col	lected: 08	8/08/2006 11:35	SPL Sam	ple ID:	0608	0350-02
			Sit	e: Hob	bs, New Mexico				
Analyses/Method	Result	QUAL	R	ep.Limit	Dil. Factor	Date Analy	zed /	Analyst	Seq. #
SEMIVOLATILES ORG	ANICS BY METHOD	8270C			MCL S	W8270C	Unit	s: ug/L	
2-Methylnaphthalene	ND			5	1	08/21/06 1	8:45 0	Q	3422029
Naphthalene	ND			5	1	08/21/06 1	8:45 G	Q	3422029
Surr: 2-Fluorobiphenyl	78.0		%	23-116	1	08/21/06 1	8:45 G	Q	3422029
Surr: Nitrobenzene-d5	80.0		%	21-114	1	08/21/06 1	8:45 G	Q	3422029
Surr: Terphenyl-d14	70.0		%	22-141	1	08/21/06 1	8:45 0	Q	3422029
Prep Method	Prep Date	Prep Initials	s Prec	Factor					

1.00

Qual	lifiers:
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ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

 Client Sample ID:R-1
 Collected: 08/08/2006 10:50
 SPL Sample ID: 06080350-03

 Site: Hobbs, New Mexico

 Analyses/Method
 Result QUAL
 Rep.Limit
 Dil. Factor
 Date Analyzed
 Analyst
 Seq. #

SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL		SW8270C	Ur	its: ug/L	
2-Methylnaphthalene	ND		5		1	08/21/06	17:11	GQ	3422018
Naphthalene	ND	-	5		1	08/21/06	17:11	GQ	3422018
Surr: 2-Fluorobiphenyl	72.0	%	23-116		1	08/21/06	17:11	GQ	3422018
Surr: Nitrobenzene-d5	74.0	%	21-114		1	08/21/06	17:11	GQ	3422018
Surr: Terphenyl-d14	48.0	%	22-141		1	08/21/06	17:11	GQ	3422018

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	08/10/2006 10:29	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference

8/22/2006 3:13:32 PM





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Quality Control Documentation

8/22/2006 3:13:32 PM



Surr: Nitrobenzene-d5

Surr: Terphenyl-d14

HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

RMT

Former Baker Oil Tools

Analysis: Method:	Semivolatiles Organ SW8270C	ics by Meth	od 8270C	:		WorkOrder: Lab Batch ID:	06080350 59522		
	Method Blank				Samples in Analytical Batch:				
RunID: P_0608	16A-3417244	Units:	ug/L		Lab Sample ID	Client Sar	nple ID		
Analysis Date:	08/16/2006 17:10	Analyst:	GQ		06080350-01A	MW-1			
Preparation Date:	08/10/2006 10:29	Prep By:	N_M M	Method SW3510C	06080350-02A	MW-3			
					06080350-03A	R-1			
	Analyte		Result	Rep Limit					
2-Me	ethylnaphthalene		ND	5.0					
Nap	hthalene		ND	5.0					
S	urr: 2-Fluorobiphenyl		90.0	23-116					

Laboratory Control Sample (LCS)

RunID: Analysis Date: Preparation Date:

ate: 08/16/2006 17:42 Date: 08/10/2006 10:29

92.0

76.0

P_060816A-3416097

21-114

22-141

Units: ug/L Analyst: GQ Prep By: N_M Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
2-Methylnaphthalene	50.0	40.0	80.0	20	170
Naphthalene	50.0	40.0	80.0	21	133

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: (RunID: F Analysis Date: (Preparation Date: (

06080350-01 P_060821A-3422019 08/21/2006 17:43 : 08/10/2006 10:29

Units: ug/L Analyst: GQ Prep By: N_M Method SW3510C

Analyte	Sample Result	MS Spike	MS Result	MS % Recovery	MSD Spike	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limìt
·		Added			Added						
2-Methylnaphthalene	ND	100	86.0	86.0	100	86.0	86.0	0	50	20	170
Naphthalene	ND	100	86.0	86.0	100	83.0	83.0	3.55	50	21	133

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

- B Analyte detected in the associated Method Blank D Recovery Unreport
- J Estimated value between MDL and PQL

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.



1



Sample Receipt Checklist

Wo Date Ten	rkorder: e and Time Received: nperature:	06080350 8/9/2006 9:30:00 AM 2.5°C			Received E Carrier nar Chilled by:	3y: ne:	NB Fedex-Standa W ater Ice	rd Overnight
1.	Shipping container/co	oler in good condition?	Yes		No		Not Present	
2.	Custody seals intact o	n shippping container/cooler?	Yes		No		Not Present	
3.	Custody seals intact o	on sample bottles?	Yes		No 🗌	÷	Not Present	
4.	Chain of custody pres	ent?	Yes		No 🗌			
5.	Chain of custody sign	ed when relinquished and received?	Yes		No			
6.	Chain of custody agre	es with sample labels?	Yes		No			
7.	Samples in proper cor	ntainer/bottle?	Yes	\checkmark	No			
8.	Sample containers inta	act?	Yes		No			
9.	Sufficient sample volu	me for indicated test?	Yes		No 🗌			
10.	All samples received v	vithin holding time?	Yes		No			
11.	Container/Temp Blank	temperature in compliance?	Yes		No 🗌			
12.	Water - VOA vials have	e zero headspace?	Yes		No	VOA Via	als Not Present	
13.	Water - Preservation c	hecked upon receipt (except VOA*)?	Yes		No 🗌		Not Applicable	
	*VOA Preservation Ch	ecked After Sample Analysis						
	SPL Representativ Client Name Contacte	/e:	Cont	act Date & T	ime:			
	Non Conformance Issues:						<u> </u>	
	Client Instructions:							
	Client Instructions:							



GUREPORTBAKER HUGHES HOBBSITECHDOCIFIELD FORMS - HOBBS XIS 6/20/2005



RMT

Certificate of Analysis Number: <u>06100239</u>						
Report To:	Project Name:	Former Baker Oil Tools/50-21007.03				
RMT	<u>Site:</u>	Hobbs, NM				
Robert Sherrill	Site Address:					
805 Las Cimas Parkway, Suite 300						
Austin TX	<u>PO Number:</u> <u>State:</u>	New Mexico				
78746-6179 ph: (512) 327-9840 fax:	<u>State Cert. No.:</u> Date Reported:	10/11/2006				

This Report Contains A Total Of 9 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

10/11/2006


HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Case Narrative for: RMT

Certificate of Analysis Number: 06100239 Report To: Project Name: Former Baker Oil Tools/50-21007.03 Site: Hobbs, NM RMT **Robert Sherrill** Site Address: 805 Las Cimas Parkway, Suite 300 PO Number: Austin New Mexico State: тΧ 78746-6179 State Cert. No .: ph: (512) 327-9840 fax: 10/11/2006 Date Reported:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.



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10/11/2006

Elessa Sommers Senior Project Manager



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

RMT

		Certificat	e of Analysis Num	ıber:				
	<u>06100239</u>							
<u>Report To:</u>	RMT Robert Sherrill 805 Las Cimas Parkway,	Suite 300		Project Name: Site: Site Address:	Former Baker Oil Tools/50-21007.03 Hobbs, NM			
<u>Fax To:</u>	Austin TX 78746-6179 ph: (512) 327-9840	fax: (512) 327-6163		<u>PO Number:</u> <u>State:</u> <u>State Cert. No.:</u> <u>Date Reported:</u>	New Mexico 10/11/2006			

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	06100239-01	Water	10/5/2006 10:45:00 AM	10/6/2006 9:30:00 AM		
MW-3	06100239-02	Water	10/5/2006 11:20:00 AM	10/6/2006 9:30:00 AM		
R-1	06100239-03	Water	10/5/2006 9:55:00 AM	10/6/2006 9:30:00 AM		

e. ~

Elessa Sommers Senior Project Manager 10/11/2006

Date

Joel Grice Laboratory Director

Ted Yen Quality Assurance Officer

10/11/2006 5:12:59 PM





HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Client Sample ID:MW-1			Collected: 10/05/2006 10:45 SPL Sample ID: 0610023					
		Sit	e: Hob	bs, NM				
Analyses/Method	Result QUAL	R	ep.Limit	Dil. Factor	Date Analy	zed	Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL S	W8270C	Un	its: ug/L	
2-Methylnaphthalene	ND		5	1	10/09/06 1	6:09	S_G	3488728
Naphthalene	ND		5	1	10/09/06 1	6:09	S_G	3488728
Surr: 2-Fluorobiphenyl	96.0	%	23-116	1	10/09/06 1	6:09	S_G	3488728
Surr: Nitrobenzene-d5	92.0	%	21-114	1	10/09/06 1	6:09	S_G	3488728
Surr: Terphenyl-d14	36.0	%	22-141	1	10/09/06 1	6:09	S_G	3488728

ļ	Prep Method	Prep Date	Prep Initials	Prep Factor
	SW3510C	10/07/2006 12:41	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

 J - Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL) D - Surrogate Recovery Unreportable due to Dilution MI - Matrix Interference

10/11/2006 5:13:08 PM





HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Collected: 10/05/2006 11:20

SPL Sample ID: 06100239-02

Site: Hobbs, NM

Analyses/Method	Result QUAL	Rep.Lin	nit D	il. Factor	Date Ana	Date Analyzed		Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C		MCL	S	W8270C	Un	nits: ug/L	
2-Methylnaphthalene	ND		5	1	10/09/06	18:02	S_G	3488731
Naphthalene	ND		5	1	10/09/06	18:02	S_G	3488731
Surr: 2-Fluorobiphenyl	94.0	% 23-1	16	1	10/09/06	18:02	S_G	3488731
Surr: Nitrobenzene-d5	90.0	% 21-1	14	1	10/09/06	18:02	S_G	3488731
Surr: Terphenyl-d14	40.0	% 22-1	41	1	10/09/06	18:02	S_G	3488731

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/07/2006 12:41	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL

TNTC - Too numerous to count

MI - Matrix Interference



HOUSTON LABORATORY

8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

Client Sample ID:R-1			lected: 10	0/05/2006 9:55	SPL Sam	ole ID: 061	00239-03
		Sit	e: Hob	bs, NM			
Analyses/Method	Result QUAL	R	ep.Limit	Dil. Fact	or Date Analy	zed Analyst	Seq. #
SEMIVOLATILES ORGANICS	BY METHOD 8270C			MCL	SW8270C	Units: ug/L	
2-Methylnaphthalene	39		5	1	10/09/06 18	3:40 S_G	3488732
Naphthalene	17		5	1	10/09/06 18	8:40 S_G	3488732
Surr: 2-Fluorobiphenyl	84.0	%	23-116	1	10/09/06 11	8:40 S_G	3488732
Surr: Nitrobenzene-d5	80.0	%	21-114	1	10/09/06 18	3:40 S_G	3488732
Surr: Terphenyl-d14	42.0	%	22-141	1	10/09/06 18	3:40 S_G	3488732

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/07/2006 12:41	N_M	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

- B Analyte detected in the associated Method Blank
- * Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

10/11/2006 5:13:09 PM



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Quality Control Documentation

10/11/2006 5:13:09 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

RMT

Former Baker Oil Tools/50-21007.03

Analysis: Method:	Semivolatiles Organ SW8270C	ics by Metho	d 8270C		WorkOrder: Lab Batch ID:	06100239 61044	
	Meti	od Blank	· · · · · · · · · · · · · · · · ·	Samples in Analytical Batch:			
RunID: J_061009	9A-3488726	Units:	ug/L	Lab Sample ID	Client Sar	nple ID	
Analysis Date:	10/09/2006 14:52	Analyst:	S_G	06100239-01A	MW-1		
Preparation Date:	10/07/2006 12:41	Prep By:	N_M Method SW3510C	06100239-02A	MW-3		
				06100239-03A	R-1		
	Analyte		Result Rep Limit				
2-Me	thylnaphthalene		ND 5.0				

Analyte	Result	Linur
2-Methylnaphthalene	ND	5.0
Naphthalene	ND	5.0
Surr: 2-Fluorobiphenyl	100.0	23-116
Surr: Nitrobenzene-d5	100.0	21-114
Surr: Terphenyl-d14	90.0	22-141

Laboratory Control Sample (LCS)

RunID:
Analysis Date:
Preparation Date:

J_061009A-3488727 10/09/2006 15:31 10/07/2006 12:41

Units: ug/L Analyst: SG Prep By: N_M Method SW3510C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit	
2-Methylnaphthalene	50.0	43.0	86.0	20	170	
Naphthalene	50.0	42.0	84.0	21	133	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:
RunID:
Analysis Date:
Preparation Date:

06100239-01 J_061009A-3488729 10/09/2006 16:46 10/07/2006 12:41

Units: ug/L Analyst: S_G Prep By: N_M Method SW3510C

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
2-Methylnaphthalene	ND	100	99.0	99.0	100	100	100	1.01	50	20	170
Naphthalene	ND	100	99.0	99.0	100	98.0	98.0	1.02	50	21	133

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

D - Recovery Unreportable due to Dilution

* - Recovery Outside Advisable QC Limits



N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values

calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist And Chain of Custody

10/11/2006 5:13:10 PM



HOUSTON LABORATORY

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Sample Receipt Checklist

Wo Date Ten	rkorder: e and Time Received: nperature:	06100239 10/6/2006 9:30:00 AM 2.0°C		Rec Car Chil	eived By: rier name: lled by:	RE Fedex-Standar Water Ice	rd Overnight	
1.	Shipping container/co	oler in good condition?	Yes 🗸] No []	Not Present		
2.	Custody seals intact o	n shippping container/cooler?	Yes 🗹] No []	Not Present		
3.	Custody seals intact o	on sample bottles?	Yes] No []	Not Present		
4.	Chain of custody pres	ent?	Yes 🔽	No 🗌]			
5.	Chain of custody sign	ed when relinquished and received?	Yes 🔽	No 🗌]			
6.	Chain of custody agre	es with sample labels?	Yes 🗹	No 🗌]			
7.	Samples in proper cor	ntainer/bottle?	Yes 🗹	No]			
8.	Sample containers inta	act?	Yes 🗹	No 🗌]			
9.	Sufficient sample volu	me for indicated test?	Yes 🗹	No]			
10.	All samples received v	vithin holding time?	Yes 🔽	No 🗔]			
11.	Container/Temp Blank	temperature in compliance?	Yes 🗹	No 🗌]			
12.	Water - VOA vials have	e zero headspace?	Yes 🗌] No [_		/ials Not Present		
13.	Water - Preservation c	hecked upon receipt (except VOA*)?	Yes 🗌] No []]	Not Applicable		
	*VOA Preservation Ch	ecked After Sample Analysis						
	SPL Representativ	ve:] Contact	Contact Date & Time:				
	Non Conformance Issues: Client Instructions:							





איאשטאפירה הווטמשל איטשטוונביהשטיינימוש בישטור העסטפיר פוואשאיש

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