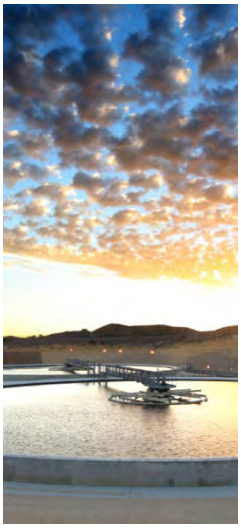
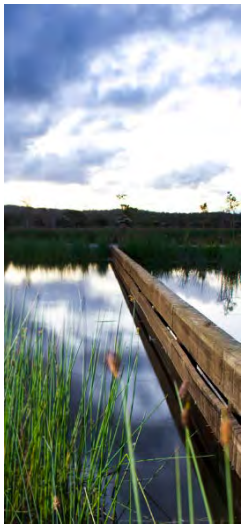
Final

APPROVED
By Olivia Yu at 9:19 am, May 08, 2018

NMOCD approves of the proposed remediation plan for AP-15.





2018 Cool-Ox™ Work Plan

East Hobbs Junction
Lea County, New Mexico

Phillips 66 Company

GHD | 14998 West 6th Avenue, Suite 800, Golden, Colorado 80401

075016| Report No 14 | April 1 2018

Table of Contents

Figure Index

Table Index

Appendix Index

1. Introduction

GHD prepared this *2018 Cool-Ox ™ Work Plan* for the Phillips 66 East Hobbs Junction Site (Site) on behalf of Phillips 66 Company Remediation Management (Phillips 66). This report summarizes the planned Cool-Ox ™ injection activities planned in 2018. The report presents the following:

- Site Description and History
- Regulatory Framework
- Cool-Ox Injection Approach and Procedures

2. Site Description and History

The Site is located in Lea County, New Mexico (Section 08, Township 19S, Range 38E; Figure 1). Site remedial activities began in January 2000, following the discovery of a release of crude oil from a gathering line at the East Hobbs Junction. The property on which the release occurred is largely undeveloped arid land.

On March 23, 1999, Phillips 66 personnel discovered a release of unrefined petroleum products (crude oil) associated with a local well field gathering pipeline system located near the town of Hobbs, New Mexico. The area consists of several gathering lines which meet in one locality. The failed line was a six inch diameter line which was not in service but was open to the main line. The line leak was noted by the evidence of oil impacts on the ground surface in the area of the release. The quantity of crude oil released was not known. Phillips 66 excavated approximately 200 cubic yards of petroleum impacted soil from around and below the release location. The limits of the excavation were approximately 10 feet wide by 60 feet long and averaged approximately 6-8 feet deep with the deepest extent around 12 feet. Excavation activities were halted because of other active petroleum pipelines present in the area. Three groundwater monitor wells were then installed and approximately three feet of crude oil was detected on the water table in each monitor well.

Assessment activities have been conducted at the Site to define the crude oil impacts, and a soil and groundwater remediation system was installed to address the impacts. The remediation system installation consisted of soil vapor extraction (SVE), air sparge (AS), and light non-aqueous phase liquid (LNAPL) recovery. Figure 2 illustrates the locations of the existing pipeline corridors, the site monitor and remediation wells, the remediation buildings and storage tank at the Site. Higgins and Associates, L.L.C. of Centennial, Colorado performed the installation of the remediation system, initial startup, O&M and required monitoring activities until September 2003. In September 2003, Tetra Tech assumed responsibility for the remedial oversight duties at the Site. On August 5, 2008, the SVE and AS systems were converted into a bioventing system utilizing electronic timers to cycle the periods of operation to promote oxygen enhancement in the vadose zone to encourage biodegradation. The skimmer pumps have been removed from all monitor wells except MW-2 and MW-9.

In August 2011, GHD (formerly Conestoga-Rovers and Associates) was retained as the environmental consultant for the Site by Phillips 66. Periodic operation and maintenance (O&M) of the remediation system was performed until the skimming operations were shut down in 2014 due to mechanical problems.

Remedial activities continued in 2015 and 2017 with the use of mobile dual phase extraction (MDPE) to remove residual LNAPL to the extent practical.

Semiannual groundwater monitoring and sampling is completed during the first and third quarters of each year. Historical groundwater elevation data is presented in Table 1. Historical groundwater analytical data is presented in Table 2.

3. Regulatory Framework

The New Mexico Oil Conservation Division (NMOCD) is the regulatory agency overseeing the cleanup of petroleum hydrocarbon impacts associated with the Site. The NMOCD uses groundwater quality standards contained in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC[1]) for groundwater cleanup.

The New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards are listed in the following Constituents of Concern Table for comparison purposes and evaluation of groundwater analytical results contained in this report.

Table 3.1 Groundwater Constituent of Concern Table

Constituent Of Concern	NMWQCC Standards (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Xylenes	0.62
TPH-DRO	NA
TPH-GRO	NA
Chloride	250

TPH-DRO – Total Petroleum Hydrocarbons-Diesel Range Organics
TPH-GRO – Total Petroleum Hydrocarbons-Gasoline Range Organics

4. Cool-Ox Injection Approach and Procedures

This section presents the technical approach and procedures that will be used for the remediation of soil and groundwater at the site. The technical approach is based on the current understanding of the site conceptual model and is intended to remediate the site using the *Cool-Ox*™ Technology. The scope of the use of this technology includes treatment in the area covering approximately 150,000 ft^2 (Figure 3).

[1] New Mexico Water Quality Control Commission (http://www.nmcpr.state.nm.us/nmac/parts/title20/20.006.0002.htm)

4.1 Documentation

All information collected during the injection of the *Cool-Ox*™ will be documented in such a manner that it can be easily transferred and interpreted by those not familiar with the field activities. In accordance with this goal, bound field logbooks will be maintained throughout the *Cool-Ox*™ injection process, confirmation sampling and quarterly groundwater monitoring. Each page will be legible when copied and written using an indelible-ink pen for all records. The pages in the logbook will be dated, numbered and initialed by the recorder. In addition to the field data, general information will also be recorded, such as equipment used, equipment calibration records, daily weather conditions, personnel onsite, site safety meeting and any anomalies that may occur during field activities.

4.2 Health and Safety Plan and Job Hazard Analysis

The Site Specific Health and Safety Plan (SS-HASP) includes a discussion of the field activities, hospital routes, personnel contacts, and Safety Data Sheets (SDS) for chemicals used during remediation activities. The SS-HASP will include a copy of Phillips 66 **Contractor Safety Requirements Handbook**. A copy of the SS-HASP will be kept onsite during all field activities. GHD will conduct daily health and safety "tailgate" meetings prior to initiation of field activities, to evaluate the potential safety risks associated with the day's activities. Job Hazard Analyses (JHA) will be completed daily to evaluate potential safety risks associated with the field activities.

4.3 Cool-Ox ™ In-Situ Treatment

For site remediation, DeepEarth Technologies, Inc. (DTI) will use the *Cool-Ox*™ Technology which is a patented in-situ and ex-situ remediation process that uses a patented solution of calcium peroxide that generates hydrogen peroxide slowly and facilitates the oxidation of petroleum hydrocarbons. A simple stoichiometric diagram for the reaction is included as Appendix A. The Safety Data Sheets (SDSs) for *Cool-Ox*™ is included as Appendix B. The *Cool-Ox*™ treatment facilitates an accelerated biodegradation of petroleum hydrocarbons following the oxidation phase by releasing nutrients without any exothermic reaction and reduces the mobility, toxicity and volume of the hydrocarbon impacts. The process is based on using hydrogen peroxide as the generator of the oxidizing radicals; however, unlike the traditional Fenton Reaction, or Fenton-like processes that use liquid hydrogen peroxide, the *Cool-Ox*™ process generates hydrogen peroxide from solid, food-grade, peroxygens that are injected into the soil and/or groundwater in an aqueous suspension. Once in place, the peroxygens react to produce hydrogen peroxide without an exothermic reaction as would occur with a Fenton-like process. The *Cool-Ox*™ process eliminates Fenton-like problems because the peroxygens employed are only sparingly soluble in aqueous solutions, and thus, the dissolution rate is quite slow. Once injected, they remain in the impacted media for an extended period of time before undergoing hydrolysis. The low solubility coupled with the buffered solution and the process taking place at a slightly basic pH eliminates the need to inject iron salts and results in greater control over the process. The *Cool-Ox*™ process treats a wide range of chemicals due to the controlled nature of the process and the slightly alkaline pH of 8 and also works well in calcareous soils.

The *Cool-Ox*™ process to treat the subsurface soil and groundwater impacts at the site will utilize DTI's mixing and injection trailer (the Deep-Shot-Rig™) to inject directly into existing monitoring and air sparge wells Figure 6. Approximately 14 wells locations will be used to inject the *Cool-Ox*™ solution over an approximate area of 150,000 ft^2. The injection process will begin by injecting approximately 250 gallons of *Cool-Ox*™ directly into the wells from the surface. The well heads will be fitted with pressure relief valves to allow the release of reaction gases (carbon dioxide) from the wells while maintaining some positive pressure in the well to help push the *Cool-Ox*™ out into the formation. The adjacent wells will also be fitted with pressure gauges allowing GHD and DTI to see any reaction gases communicating between the wells. Following the initial injection, DTI will wait approximately 48 hours to allow the reaction to dissipate before the second round of injections, consisting of an additional 250 gallons in each well, takes place.

The reaction of the injected *Cool-Ox*™ with the hydrocarbons will be expressed if impacts are encountered and noted in the site logbook. A characteristic of the *Cool-Ox*™ technology is the production of a lather (resembling dirty shaving cream), when the reagent reacts with hydrocarbon impacts. However, at depths greater than 30 feet, the reaction may not be observed on the surface. If impacts are present at the wells and visible on the surface, the evolution of foam reveals impacts. During the treatment process it is quite normal to adjust the injection technique to compensate for varying site conditions or impacts.

The Remedial Injection Proposal submitted by DTI is included as Appendix C. The New Mexico Environment – Ground Water Quality Bureau – Notice of Intent to Discharge is presented as Appendix D.

4.4 Confirmation Sampling

To evaluate the effectiveness of the *Cool-Ox*™ treatment of soil and groundwater at the site, groundwater will be gauged 30 days after treatment. After 60 and 90 days following the completion of the injection of the *Cool-Ox*™ field parameters will be collected in all of the wells within the treatment area to measure dissolved oxygen (DO), pH, temperature, oxidation reduction potential (ORP) and specific conductance. Groundwater samples will be collected during the third quarter 2018 to evaluate the effectiveness of the *Cool-Ox*™ treatment.

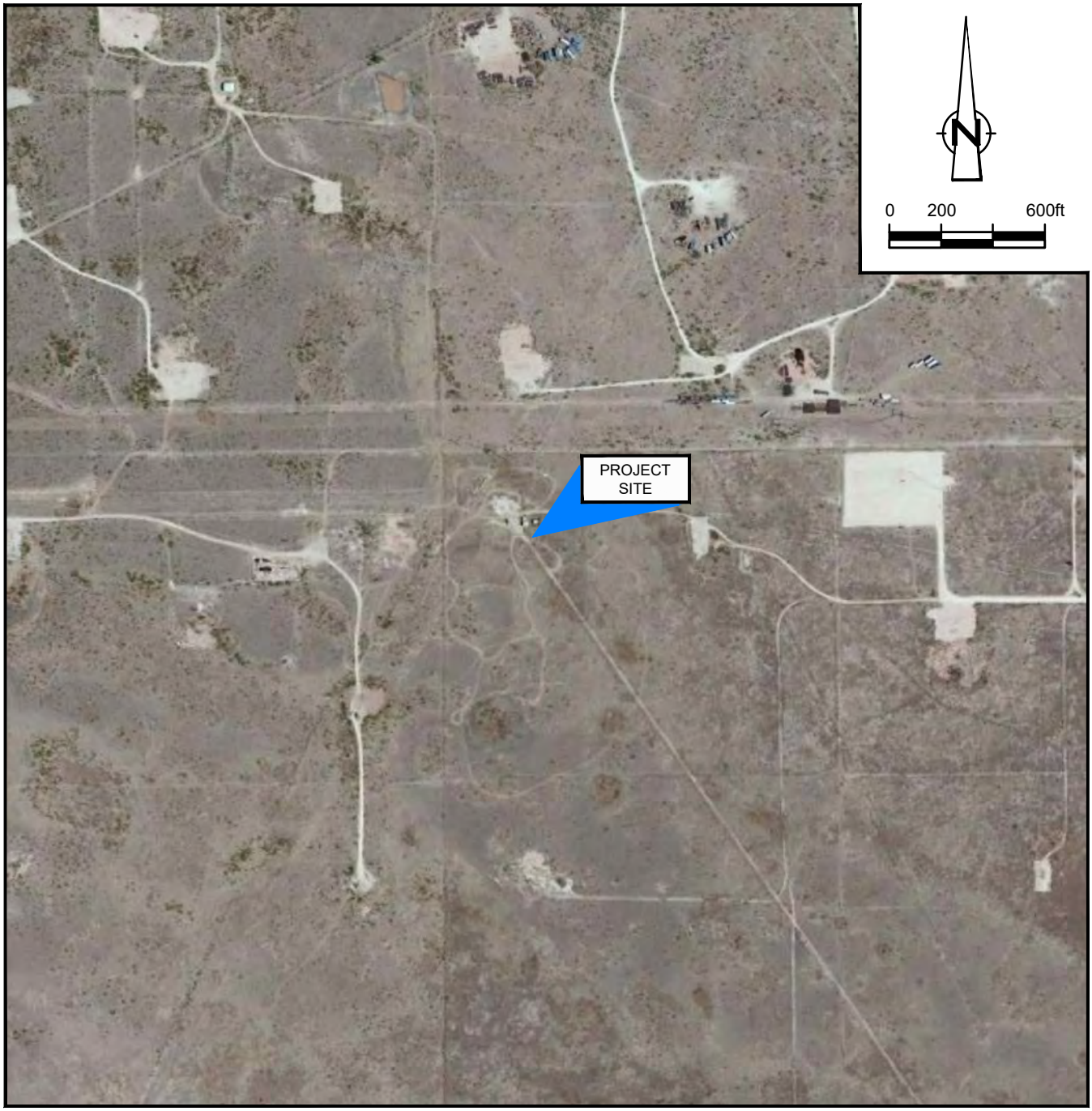
All of Which is Respectfully Submitted,

GHD

David Bonga
Project Manager

Christina Ruby
Portfolio Manger

Figures



SOURCE: USGS 7.5 MINUTE QUAD
"HOBBS WEST, NEW MEXICO"

LAT/LONG: 32.681° NORTH, 103.165° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO EAST

figure 1

SITE AERIAL MAP
EAST HOBBS JUNCTION
HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company

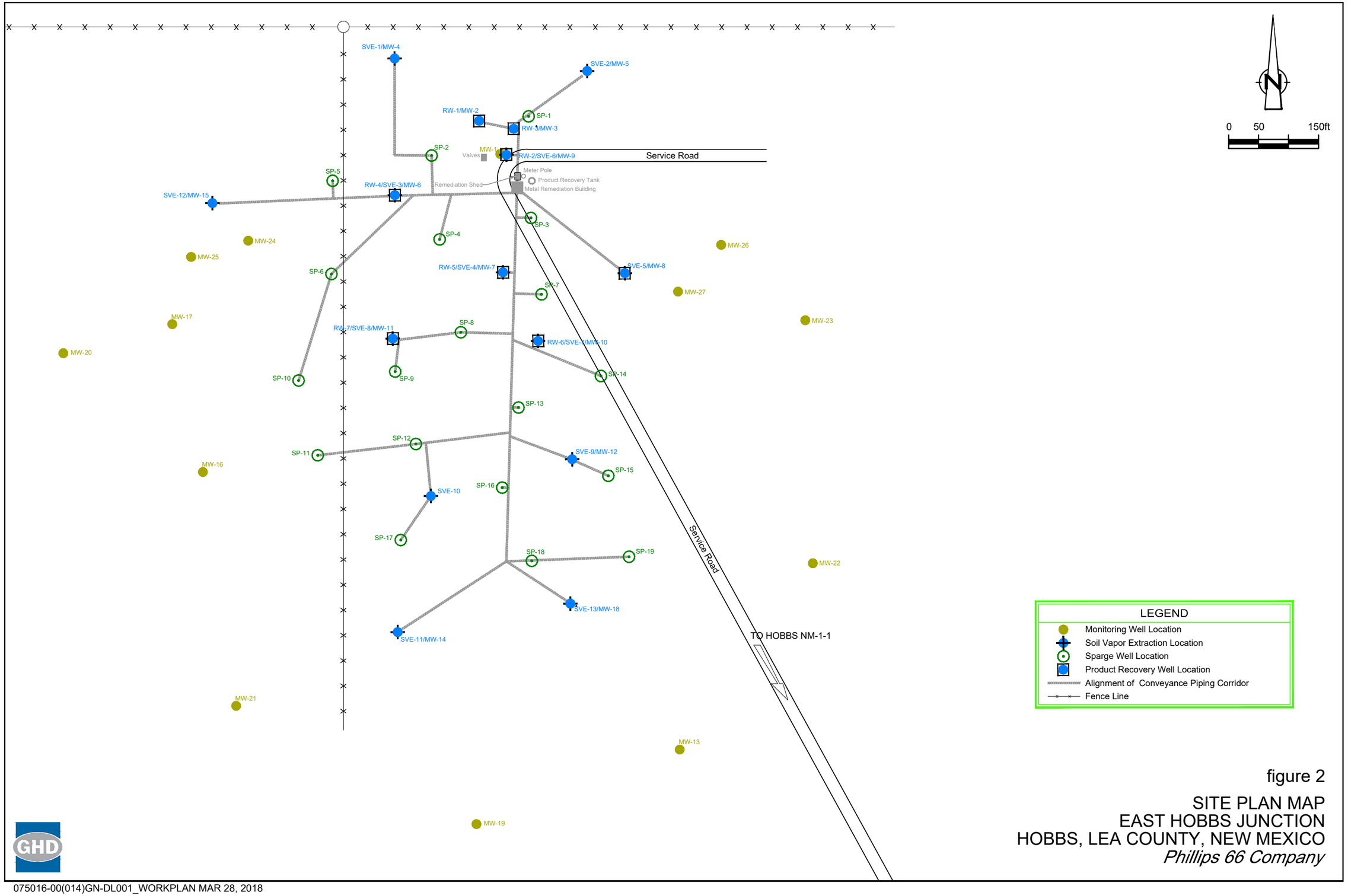


figure 2

SITE PLAN MAP
EAST HOBBS JUNCTION
HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

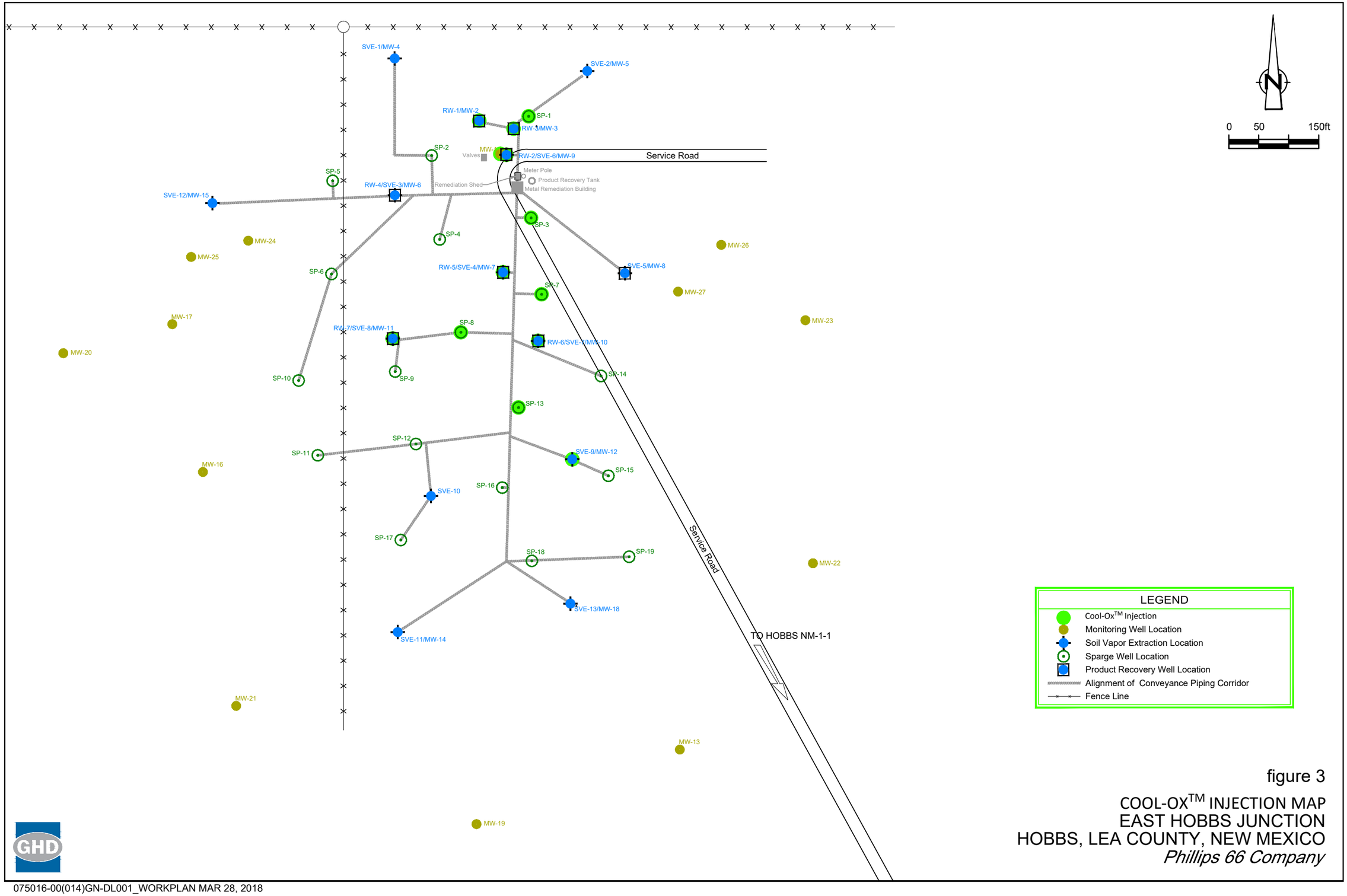


figure 3

COOL-OX™ INJECTION MAP
EAST HOBBS JUNCTION
HOBBS, LEA COUNTY, NEW MEXICO
Phillips 66 Company

GHD

075016-00(014)GN-DL001_WORKPLAN MAR 28, 2018

Tables

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	03/01/01	3606.28	24.19	27.14	2.95	3581.50
MW-1	06/25/01	3606.28	NM	NM		NM
MW-1	09/25/01	3606.28	NM	NM		NM
MW-1	12/11/01	3606.28	NM	NM		NM
MW-1	05/22/02	3606.28	25.39	27.85	2.46	3580.40
MW-1	04/18/05	3606.28	--	24.29	--	3581.99
MW-1	07/18/05	3606.28	--	24.31	--	3581.97
MW-1	10/17/05	3606.28	--	24.23	--	3582.05
MW-1	01/23/06	3606.28	--	24.42	--	3581.86
MW-1	04/24/06	3606.28	24.79	24.80	0.01	3581.49
MW-1	10/10/11	3606.28	27.95	29.92	1.97	3577.94
MW-1	05/30/12	3606.28	28.70	30.56	1.86	3577.21
MW-1	01/31/13	3606.28	29.30	30.90	1.60	3576.66
MW-1	02/07/13	3606.28	29.41	30.58	1.17	3576.64
MW-1	02/14/13	3606.28	29.30	30.90	1.60	3576.66
MW-1	03/07/13	3606.28	29.48	30.68	1.20	3576.56
MW-1	08/22/13	3606.28	29.94	31.20	1.26	3576.09
MW-1	09/19/13	3606.28	30.23	30.53	0.30	3575.98
MW-1	10/03/13	3606.28	30.22	30.58	0.36	3575.98
MW-1	10/31/13	3606.28	30.06	31.42	1.36	3575.92
MW-1	01/08/14	3606.28	30.09	31.94	1.85	3575.78
MW-1	03/10/14	3606.28	30.20	32.09	1.89	3575.66
MW-1	03/25/14	3606.28	30.18	32.15	1.97	3575.67
MW-1	04/02/14	3606.28	30.22	32.23	2.01	3575.62
MW-1	04/16/14	3606.28	30.25	32.22	1.97	3575.60
MW-1	04/28/14	3606.28	30.30	32.27	1.97	3575.55
MW-1	05/15/14	3606.28	30.36	32.29	1.93	3575.50
MW-1	05/28/14	3606.28	30.44	32.15	1.71	3575.46
MW-1	06/09/14	3606.28	30.48	32.20	1.72	3575.42
MW-1	07/29/14	3606.28	30.60	32.38	1.78	3575.29
MW-1	08/06/14	3606.28	30.68	32.39	1.71	3575.22
MW-1	08/19/14	3606.28	30.63	32.38	1.75	3575.27
MW-1	09/03/14	3606.28	30.74	32.48	1.74	3575.16
MW-1	10/01/14	3606.28	30.49	32.07	1.58	3575.44
MW-1	10/30/14	3606.28	30.46	32.10	1.64	3575.46
MW-1	11/19/14	3606.28	30.34	32.02	1.68	3575.57
MW-1	11/24/14	3606.28	30.60	31.52	0.92	3575.48
MW-1	12/10/14	3606.28	30.56	31.53	0.97	3575.51
MW-1	01/20/15	3606.28	30.52	31.50	0.98	3575.54
MW-1	02/24/15	3606.28	30.48	31.41	0.93	3575.60

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-1	02/25/15	3606.28	30.63	31.17	0.54	3575.53
MW-1	02/26/15	3606.28	30.65	31.18	0.53	3575.51
MW-1	02/27/15	3606.28	30.64	31.19	0.55	3575.52
MW-1	04/23/15	3606.28	30.69	31.42	0.73	3575.43
MW-1	04/24/15	3606.28	30.84	30.91	0.07	3575.42
MW-1	04/27/15	3606.28	30.91	31.01	0.10	3575.35
MW-1	05/15/15	3606.28	30.92	31.09	0.17	3575.32
MW-1	06/08/15	3606.28	30.89	31.05	0.16	3575.35
MW-1	07/09/15	3606.28	30.81	31.01	0.20	3575.43
MW-1	07/10/15	3606.28	30.86	30.91	0.05	3575.41
MW-1	07/27/15	3606.28	30.80	30.90	0.10	3575.46
MW-1	08/18/15	3606.28	30.78	30.94	0.16	3575.46
MW-1	09/29/15	3606.28	30.77	30.93	0.16	3575.47
MW-1	11/19/15	3606.28	30.55	30.77	0.22	3575.68
MW-1	11/20/15	3606.28	30.61	30.66	0.05	3575.66
MW-1	11/23/15	3606.28	30.62	30.67	0.05	3575.65
MW-1	01/21/16	3606.28	30.38	30.54	0.16	3575.86
MW-1	02/18/16	3606.28	30.36	30.54	0.18	3575.88
MW-1	03/21/16	3606.28	30.31	30.63	0.32	3575.90
MW-1	04/14/16	3606.28	30.35	30.79	0.44	3575.83
MW-1	05/19/16	3606.28	30.49	31.00	0.51	3575.68
MW-1	07/27/16	3606.28	30.75	31.40	0.65	3575.39
MW-1	10/13/16	3606.28	29.33	30.28	0.95	3576.74
MW-1	12/08/16	3606.28	29.81	30.11	0.30	3576.40
MW-1	03/22/17	3606.28	29.64	29.96	0.32	3576.57
MW-1	09/18/17	3606.28	30.10	30.14	0.04	3576.17
MW-2 (RW-1)	03/01/01	3606.45	24.29	26.88	2.59	3581.64
MW-2 (RW-1)	06/25/01	3606.45	25.73	26.67	0.94	3580.53
MW-2 (RW-1)	09/25/01	3606.45	26.04	26.59	0.55	3580.30
MW-2 (RW-1)	12/11/01	3606.45	25.73	28.20	2.47	3580.23
MW-2 (RW-1)	05/22/02	3606.45	26.33	28.00	1.67	3579.79
MW-2 (RW-1)	11/05/02	3606.45	24.67	28.73	4.06	3580.97
MW-2 (RW-1)	02/25/03	3606.45	26.55	29.30	2.75	3579.35
MW-2 (RW-1)	04/09/03	3606.45	26.41	28.41	2.00	3579.64
MW-2 (RW-1)	06/25/03	3606.45	26.58	28.55	1.97	3579.48
MW-2 (RW-1)	09/11/03	3606.45	26.62	28.60	1.98	3579.43
MW-2 (RW-1)	11/05/03	3606.45	26.95	28.74	1.79	3579.14
MW-2 (RW-1)	01/19/04	3606.45	27.35	28.42	1.07	3578.89

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2 (RW-1)	04/20/04	3606.45	27.47	28.24	0.77	3578.83
MW-2 (RW-1)	07/20/04	3606.45	27.74	28.97	1.23	3578.46
MW-2 (RW-1)	10/25/04	3606.45	25.20	25.39	0.19	3581.21
MW-2 (RW-1)	01/24/05	3606.45	--	25.42	--	3581.03
MW-2 (RW-1)	02/14/05	3606.45	--	25.35	--	3581.10
MW-2 (RW-1)	03/02/05	3606.45	--	25.31	--	3581.14
MW-2 (RW-1)	03/08/05	3606.45	--	25.28	--	3581.17
MW-2 (RW-1)	03/23/05	3606.45	--	25.21	--	3581.24
MW-2 (RW-1)	04/18/05	3606.45	25.10	25.11	0.01	3581.35
MW-2 (RW-1)	05/09/05	3606.45	--	25.12	--	3581.33
MW-2 (RW-1)	06/10/05	3606.45	--	25.08	--	3581.37
MW-2 (RW-1)	07/18/05	3606.45	25.09	25.10	0.01	3581.36
MW-2 (RW-1)	10/17/05	3606.45	24.88	25.00	0.12	3581.55
MW-2 (RW-1)	12/28/05	3606.45	--	25.15	--	3581.30
MW-2 (RW-1)	01/10/06	3606.45	25.19	25.20	0.01	3581.26
MW-2 (RW-1)	01/23/06	3606.45	25.17	25.21	0.04	3581.27
MW-2 (RW-1)	04/24/06	3606.45	25.56	25.58	0.02	3580.89
MW-2 (RW-1)	07/24/06	3606.45	25.91	25.95	0.04	3580.53
MW-2 (RW-1)	10/23/06	3606.45	--	25.79	--	3580.66
MW-2 (RW-1)	01/23/07	3606.45	25.82	25.83	0.01	3580.63
MW-2 (RW-1)	04/23/07	3606.45	26.11	26.27	0.16	3580.31
MW-2 (RW-1)	07/23/07	3606.45	26.25	26.38	0.13	3580.17
MW-2 (RW-1)	10/22/07	3606.45	26.29	26.38	0.09	3580.14
MW-2 (RW-1)	01/28/08	3606.45	26.32	26.39	0.07	3580.12
MW-2 (RW-1)	04/21/08	3606.45	26.54	26.62	0.08	3579.89
MW-2 (RW-1)	07/21/08	3606.45	26.83	26.91	0.08	3579.60
MW-2 (RW-1)	10/20/08	3606.45	27.00	27.11	0.11	3579.43
MW-2 (RW-1)	01/19/09	3606.45	--	27.25	--	3579.20
MW-2 (RW-1)	04/20/09	3606.45	27.48	27.49	0.01	3578.97
MW-2 (RW-1)	07/27/09	3606.45	--	27.78	--	3578.67
MW-2 (RW-1)	10/26/09	3606.45	--	27.95	--	3578.50
MW-2 (RW-1)	01/25/10	3606.45	--	28.16	--	3578.29
MW-2 (RW-1)	04/26/10	3606.45	28.10	29.34	1.24	3578.10
MW-2 (RW-1)	07/26/10	3606.45	27.86	28.95	1.09	3578.37
MW-2 (RW-1)	10/25/10	3606.45	27.78	27.87	0.09	3578.65
MW-2 (RW-1)	01/24/11	3606.45	28.32	29.60	1.28	3577.87
MW-2 (RW-1)	03/01/11	3606.45	--	29.88	--	3576.57
MW-2 (RW-1)	04/04/11	3606.45	28.51	30.12	1.61	3577.62
MW-2 (RW-1)	04/05/11	3606.45	28.56	29.81	1.25	3577.64
MW-2 (RW-1)	04/11/11	3606.45	28.58	29.98	1.40	3577.59

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2 (RW-1)	04/18/11	3606.45	28.58	30.05	1.47	3577.58
MW-2 (RW-1)	04/25/11	3606.45	28.56	30.07	1.51	3577.59
MW-2 (RW-1)	05/02/11	3606.45	28.71	29.83	1.12	3577.52
MW-2 (RW-1)	05/03/11	3606.45	28.70	29.70	1.00	3577.55
MW-2 (RW-1)	05/09/11	3606.45	28.64	29.97	1.33	3577.54
MW-2 (RW-1)	05/31/11	3606.45	28.66	30.16	1.50	3577.49
MW-2 (RW-1)	06/06/11	3606.45	28.67	30.12	1.45	3577.49
MW-2 (RW-1)	10/10/11	3606.45	28.80	30.17	1.37	3577.38
MW-2 (RW-1)	05/30/12	3606.45	30.05	30.30	0.25	3576.35
MW-2 (RW-1)	02/27/13	3606.45	30.40	31.95	1.55	3575.74
MW-2 (RW-1)	03/07/13	3606.45	30.13	31.70	1.57	3576.01
MW-2 (RW-1)	03/14/13	3606.45	30.43	31.99	1.56	3575.71
MW-2 (RW-1)	03/19/13	3606.45	30.43	32.05	1.62	3575.70
MW-2 (RW-1)	04/05/13	3606.45	30.48	32.05	1.57	3575.66
MW-2 (RW-1)	04/10/13	3606.45	30.43	32.00	1.57	3575.71
MW-2 (RW-1)	04/18/13	3606.45	30.51	32.00	1.49	3575.64
MW-2 (RW-1)	04/25/13	3606.45	30.53	32.05	1.52	3575.62
MW-2 (RW-1)	05/09/13	3606.45	30.60	32.16	1.56	3575.54
MW-2 (RW-1)	05/13/13	3606.45	30.35	31.89	1.54	3575.79
MW-2 (RW-1)	05/23/13	3606.45	30.62	32.17	1.55	3575.52
MW-2 (RW-1)	05/30/13	3606.45	30.63	32.20	1.57	3575.51
MW-2 (RW-1)	06/07/13	3606.45	30.68	32.21	1.53	3575.46
MW-2 (RW-1)	06/13/13	3606.45	30.41	31.97	1.56	3575.73
MW-2 (RW-1)	06/27/13	3606.45	30.45	32.01	1.56	3575.69
MW-2 (RW-1)	07/02/13	3606.45	30.63	32.20	1.57	3575.51
MW-2 (RW-1)	07/11/13	3606.45	30.77	32.32	1.55	3575.37
MW-2 (RW-1)	07/23/13	3606.45	31.14	31.19	0.05	3575.30
MW-2 (RW-1)	08/22/13	3606.45	31.21	31.29	0.08	3575.22
MW-2 (RW-1)	09/19/13	3606.45	31.31	31.33	0.02	3575.14
MW-2 (RW-1)	10/03/13	3606.45	31.28	31.30	0.02	3575.17
MW-2 (RW-1)	10/31/13	3606.45	31.32	31.50	0.18	3575.09
MW-2 (RW-1)	11/14/13	3606.45	31.30	31.74	0.44	3575.05
MW-2 (RW-1)	11/27/13	3606.28	31.30	31.85	0.55	3574.86
MW-2 (RW-1)	12/11/13	3606.45	31.20	31.21	0.01	3575.25
MW-2 (RW-1)	12/24/13	3606.45	31.20	31.22	0.02	3575.25
MW-2 (RW-1)	01/08/14	3606.45	31.52	31.52	0.00	3574.93
MW-2 (RW-1)	03/10/14	3606.45	31.44	32.30	0.86	3574.82
MW-2 (RW-1)	03/25/14	3606.45	31.41	32.33	0.92	3574.84
MW-2 (RW-1)	04/02/14	3606.45	31.41	32.54	1.13	3574.79
MW-2 (RW-1)	04/16/14	3606.45	31.45	32.17	0.72	3574.84

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-2 (RW-1)	04/28/14	3606.45	31.50	32.64	1.14	3574.70
MW-2 (RW-1)	05/15/14	3606.45	31.52	32.70	1.18	3574.67
MW-2 (RW-1)	05/28/14	3606.45	31.66	32.31	0.65	3574.65
MW-2 (RW-1)	06/09/14	3606.45	31.66	32.40	0.74	3574.63
MW-2 (RW-1)	07/29/14	3606.45	31.78	32.78	1.00	3574.45
MW-2 (RW-1)	08/06/14	3606.45	31.90	32.89	0.99	3574.33
MW-2 (RW-1)	08/19/14	3606.45	31.79	32.86	1.07	3574.42
MW-2 (RW-1)	09/03/14	3606.45	31.89	32.90	1.01	3574.34
MW-2 (RW-1)	10/01/14	3606.45	31.63	32.43	0.80	3574.64
MW-2 (RW-1)	10/30/14	3606.45	31.64	32.47	0.83	3574.63
MW-2 (RW-1)	11/19/14	3606.45	31.26	32.15	0.89	3574.99
MW-2 (RW-1)	11/24/14	3606.45	--	31.79	--	3574.66
MW-2 (RW-1)	12/10/14	3606.45	--	31.78	--	3574.67
MW-2 (RW-1)	01/08/15	3606.45	31.75	31.76	0.01	3574.70
MW-2 (RW-1)	01/20/15	3606.45	--	31.74	--	3574.71
MW-2 (RW-1)	02/24/15	3606.45	31.69	31.75	0.06	3574.75
MW-2 (RW-1)	02/25/15	3606.45	31.76	31.78	0.02	3574.69
MW-2 (RW-1)	02/26/15	3606.45	31.77	31.78	0.01	3574.68
MW-2 (RW-1)	02/27/15	3606.45	31.76	31.78	0.02	3574.69
MW-2 (RW-1)	03/10/15	3606.45	31.76	31.80	0.04	3574.68
MW-2 (RW-1)	04/23/15	3606.45	31.83	31.97	0.14	3574.59
MW-2 (RW-1)	04/24/15	3606.45	31.88	31.90	0.02	3574.57
MW-2 (RW-1)	05/15/15	3606.45	31.95	32.05	0.10	3574.48
MW-2 (RW-1)	06/08/15	3606.45	31.94	32.03	0.09	3574.49
MW-2 (RW-1)	07/09/15	3606.45	31.85	31.92	0.07	3574.58
MW-2 (RW-1)	07/10/15	3606.45	31.92	31.93	0.01	3574.53
MW-2 (RW-1)	07/27/15	3606.45	31.81	31.82	0.01	3574.64
MW-2 (RW-1)	08/18/15	3606.45	31.83	31.84	0.01	3574.62
MW-2 (RW-1)	09/29/15	3606.45	--	32.84	--	3573.61
MW-2 (RW-1)	11/19/15	3606.45	31.63	31.66	0.03	3574.81
MW-2 (RW-1)	11/20/15	3606.45	--	31.38	--	3575.07
MW-2 (RW-1)	11/23/15	3606.45	31.67	31.68	0.01	3574.78
MW-2 (RW-1)	01/21/16	3606.45	--	31.45	--	3575.00
MW-2 (RW-1)	02/18/16	3606.45	--	31.49	--	3574.96
MW-2 (RW-1)	03/21/16	3606.45	31.40	31.47	0.07	3575.03
MW-2 (RW-1)	04/14/16	3606.45	31.47	31.50	0.03	3574.97
MW-2 (RW-1)	05/19/16	3606.45	31.59	31.67	0.08	3574.84
MW-2 (RW-1)	07/27/16	3606.45	31.89	32.09	0.20	3574.52
MW-2 (RW-1)	9/22/2016	3606.45	--	31.30	--	3575.15
MW-2 (RW-1)	10/13/16	3606.45	30.19	31.71	1.52	3575.93

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

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MW-2 (RW-1)	12/08/16	3606.45	--	30.92	--	3575.53
MW-2 (RW-1)	03/22/17	3606.45	--	30.73	--	3575.72
MW-2 (RW-1)	09/18/17	3606.45	30.17	30.18	0.01	3576.28
MW-3 (RW-3)	03/01/01	3606.33	24.19	26.92	2.73	3581.59
MW-3 (RW-3)	06/25/01	3606.33	24.91	27.01	2.10	3581.00
MW-3 (RW-3)	09/25/01	3606.33	25.09	27.52	2.43	3580.75
MW-3 (RW-3)	12/11/01	3606.33	25.29	27.70	2.41	3580.56
MW-3 (RW-3)	11/05/02	3606.33	26.13	28.14	2.01	3579.80
MW-3 (RW-3)	02/25/03	3606.33	26.34	29.55	3.21	3579.35
MW-3 (RW-3)	04/09/03	3606.33	26.24	29.02	2.78	3579.53
MW-3 (RW-3)	06/25/03	3606.33	26.47	28.06	1.59	3579.54
MW-3 (RW-3)	09/11/03	3606.33	26.89	28.72	1.83	3579.07
MW-3 (RW-3)	11/05/03	3606.33	26.85	28.45	1.60	3579.16
MW-3 (RW-3)	01/19/04	3606.33	26.95	28.86	1.91	3579.00
MW-3 (RW-3)	04/20/04	3606.33	27.19	28.64	1.45	3578.85
MW-3 (RW-3)	07/20/04	3606.33	27.26	28.53	1.27	3578.82
MW-3 (RW-3)	10/25/04	3606.33	25.77	25.78	0.01	3580.56
MW-3 (RW-3)	01/24/05	3606.33	24.91	24.93	0.02	3581.42
MW-3 (RW-3)	02/14/05	3606.33	--	24.83	--	3581.50
MW-3 (RW-3)	03/02/05	3606.33	--	24.78	--	3581.55
MW-3 (RW-3)	03/08/05	3606.33	--	24.76	--	3581.57
MW-3 (RW-3)	03/23/05	3606.33	--	24.69	--	3581.64
MW-3 (RW-3)	04/18/05	3606.33	24.55	24.56	0.01	3581.78
MW-3 (RW-3)	05/09/05	3606.33	--	24.58	--	3581.75
MW-3 (RW-3)	06/10/05	3606.33	--	24.56	--	3581.77
MW-3 (RW-3)	07/18/05	3606.33	24.55	24.57	0.02	3581.78
MW-3 (RW-3)	10/17/05	3606.33	--	24.47	--	3581.86
MW-3 (RW-3)	12/28/05	3606.33	--	24.63	--	3581.70
MW-3 (RW-3)	01/10/06	3606.33	--	24.69	--	3581.64
MW-3 (RW-3)	01/23/06	3606.33	24.47	24.66	0.19	3581.82
MW-3 (RW-3)	04/24/06	3606.33	25.03	25.10	0.07	3581.29
MW-3 (RW-3)	07/24/06	3606.33	25.38	25.39	0.01	3580.95
MW-3 (RW-3)	10/23/06	3606.33	25.27	25.28	0.01	3581.06
MW-3 (RW-3)	01/23/07	3606.33	25.31	25.32	0.01	3581.02
MW-3 (RW-3)	04/23/07	3606.33	25.61	25.65	0.04	3580.71
MW-3 (RW-3)	07/23/07	3606.33	25.74	25.77	0.03	3580.58
MW-3 (RW-3)	10/22/07	3606.33	25.77	25.78	0.01	3580.56
MW-3 (RW-3)	01/28/08	3606.33	25.81	25.82	0.01	3580.52
MW-3 (RW-3)	04/21/08	3606.33	--	26.05	--	3580.28

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-3 (RW-3)	07/21/08	3606.33	--	26.34	--	3579.99
MW-3 (RW-3)	10/20/08	3606.33	--	26.61	--	3579.72
MW-3 (RW-3)	01/19/09	3606.33	26.75	26.76	0.01	3579.58
MW-3 (RW-3)	04/20/09	3606.33	26.99	27.00	0.01	3579.34
MW-3 (RW-3)	07/27/09	3606.33	--	27.29	--	3579.04
MW-3 (RW-3)	10/26/09	3606.33	--	27.45	--	3578.88
MW-3 (RW-3)	01/25/10	3606.33	--	27.58	--	3578.75
MW-3 (RW-3)	04/26/10	3606.33	--	27.89	--	3578.44
MW-3 (RW-3)	07/26/10	3606.33	--	27.63	--	3578.70
MW-3 (RW-3)	10/25/10	3606.33	27.43	27.45	0.02	3578.90
MW-3 (RW-3)	01/24/11	3606.33	28.08	28.09	0.01	3578.25
MW-3 (RW-3)	04/18/11	3606.33	28.09	28.10	0.01	3578.24
MW-3 (RW-3)	10/10/11	3606.33	--	28.60	--	3577.73
MW-3 (RW-3)	05/30/12	3606.33	--	29.36	--	3576.97
MW-3 (RW-3)	02/27/13	3606.33	29.92	30.39	0.47	3576.32
MW-3 (RW-3)	03/07/13	3606.33	29.92	30.41	0.49	3576.31
MW-3 (RW-3)	07/23/13	3606.33	30.31	30.87	0.56	3575.91
MW-3 (RW-3)	03/10/14	3606.33	30.81	31.28	0.47	3575.42
MW-3 (RW-3)	03/25/14	3606.33	30.82	31.35	0.53	3575.39
MW-3 (RW-3)	04/02/14	3606.33	30.84	31.36	0.52	3575.38
MW-3 (RW-3)	04/16/14	3606.33	30.85	31.41	0.56	3575.36
MW-3 (RW-3)	04/28/14	3606.33	30.91	31.44	0.53	3575.30
MW-3 (RW-3)	05/15/14	3606.33	30.95	31.46	0.51	3575.27
MW-3 (RW-3)	05/28/14	3606.33	31.01	31.48	0.47	3575.22
MW-3 (RW-3)	06/09/14	3606.33	31.02	31.55	0.53	3575.19
MW-3 (RW-3)	07/29/14	3606.33	31.17	31.72	0.55	3575.04
MW-3 (RW-3)	08/06/14	3606.33	31.20	31.72	0.52	3575.02
MW-3 (RW-3)	08/19/14	3606.33	31.19	31.74	0.55	3575.02
MW-3 (RW-3)	09/03/14	3606.33	31.32	31.78	0.46	3574.91
MW-3 (RW-3)	10/01/14	3606.33	31.07	31.33	0.26	3575.20
MW-3 (RW-3)	10/30/14	3606.33	31.06	31.35	0.29	3575.21
MW-3 (RW-3)	11/19/14	3606.33	30.90	31.31	0.41	3575.34
MW-3 (RW-3)	11/24/14	3606.33	--	31.06	--	3575.27
MW-3 (RW-3)	12/10/14	3606.33	--	31.06	--	3575.27
MW-3 (RW-3)	01/20/15	3606.33	--	31.01	--	3575.32
MW-3 (RW-3)	02/24/15	3606.33	30.95	30.98	0.03	3575.37
MW-3 (RW-3)	02/25/15	3606.33	--	31.00	--	3575.33
MW-3 (RW-3)	02/26/15	3606.33	--	31.00	--	3575.33
MW-3 (RW-3)	02/27/15	3606.33	30.99	31.00	0.01	3575.34
MW-3 (RW-3)	03/10/15	3606.33	--	31.00	--	3575.33

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

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MW-3 (RW-3)	04/23/15	3606.33	--	31.08	--	3575.25
MW-3 (RW-3)	04/24/15	3606.33	--	31.13	--	3575.20
MW-3 (RW-3)	04/27/15	3606.33	--	31.22	--	3575.11
MW-3 (RW-3)	05/15/15	3606.33	31.20	31.21	0.01	3575.13
MW-3 (RW-3)	06/08/15	3606.33	--	31.18	--	3575.15
MW-3 (RW-3)	07/09/15	3606.33	--	31.10	--	3575.23
MW-3 (RW-3)	07/10/15	3606.33	--	31.12	--	3575.21
MW-3 (RW-3)	07/27/15	3606.33	--	31.06	--	3575.27
MW-3 (RW-3)	08/18/15	3606.33	--	31.05	--	3575.28
MW-3 (RW-3)	09/29/15	3607.33	--	31.04	--	3576.29
MW-3 (RW-3)	11/19/15	3606.33	--	30.83	--	3575.50
MW-3 (RW-3)	11/20/15	3606.33	--	30.87	--	3575.46
MW-3 (RW-3)	11/23/15	3606.33	--	30.88	--	3575.45
MW-3 (RW-3)	01/21/16	3606.33	--	30.71	--	3575.62
MW-3 (RW-3)	02/18/16	3606.33	--	30.69	--	3575.64
MW-3 (RW-3)	03/21/16	3606.33	--	30.62	--	3575.71
MW-3 (RW-3)	04/14/16	3606.33	--	30.67	--	3575.66
MW-3 (RW-3)	05/19/16	3607.33	--	30.82	--	3576.51
MW-3 (RW-3)	07/27/16	3608.33	--	31.11	--	3577.22
MW-3 (RW-3)	09/22/16	3608.33	--	30.55	--	3577.78
MW-3 (RW-3)	12/08/16	3609.33	--	30.15	--	3579.18
MW-3 (RW-3)	03/22/17	3608.33	--	29.93	--	3578.40
MW-3 (RW-3)	09/18/17	3608.33	--	30.33	--	3578.00
MW-4 (SVE-1)	03/01/01	3606.69	--	24.60	--	3582.09
MW-4 (SVE-1)	06/25/01	3606.69	--	25.14	--	3581.55
MW-4 (SVE-1)	09/25/01	3606.69	--	25.36	--	3581.33
MW-4 (SVE-1)	12/11/01	3606.69	--	24.54	--	3582.15
MW-4 (SVE-1)	05/21/02	3606.69	--	25.95	--	3580.74
MW-4 (SVE-1)	06/08/02	3606.69	--	26.00	--	3580.69
MW-4 (SVE-1)	06/15/02	3606.69	--	26.00	--	3580.69
MW-4 (SVE-1)	10/15/02	3606.37	--	26.86	--	3579.51
MW-4 (SVE-1)	10/25/02	3606.37	--	26.90	--	3579.47
MW-4 (SVE-1)	10/26/02	3606.37	--	26.89	--	3579.48
MW-4 (SVE-1)	11/04/02	3606.37	--	26.86	--	3579.51
MW-4 (SVE-1)	11/05/02	3606.37	--	26.80	--	3579.57
MW-4 (SVE-1)	12/16/02	3606.37	--	26.80	--	3579.57
MW-4 (SVE-1)	01/22/03	3606.37	--	26.68	--	3579.69
MW-4 (SVE-1)	02/14/03	3606.37	--	26.88	--	3579.49
MW-4 (SVE-1)	02/24/03	3606.37	--	26.90	--	3579.47

Historical Groundwater Elevation Data
Phillips 66 Company
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Hobbs, Lea County, New Mexico

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MW-4 (SVE-1)	04/07/03	3606.37	--	27.00	--	3579.37
MW-4 (SVE-1)	04/24/03	3606.37	--	26.98	--	3579.39
MW-4 (SVE-1)	07/15/03	3606.37	--	27.09	--	3579.28
MW-4 (SVE-1)	09/11/03	3606.37	--	27.23	--	3579.14
MW-4 (SVE-1)	10/15/03	3606.37	--	27.25	--	3579.12
MW-4 (SVE-1)	01/19/04	3606.37	--	27.71	--	3578.66
MW-4 (SVE-1)	04/19/04	3606.37	--	27.64	--	3578.73
MW-4 (SVE-1)	07/20/04	3606.37	--	27.90	--	3578.47
MW-4 (SVE-1)	10/25/04	3606.37	--	26.21	--	3580.16
MW-4 (SVE-1)	01/24/05	3606.37	--	25.42	--	3580.95
MW-4 (SVE-1)	04/18/05	3606.37	--	25.10	--	3581.27
MW-4 (SVE-1)	07/18/05	3606.37	--	25.06	--	3581.31
MW-4 (SVE-1)	10/17/05	3606.37	--	24.90	--	3581.47
MW-4 (SVE-1)	01/23/06	3606.37	--	25.11	--	3581.26
MW-4 (SVE-1)	04/24/06	3606.37	--	25.47	--	3580.90
MW-4 (SVE-1)	07/24/06	3606.37	--	25.82	--	3580.55
MW-4 (SVE-1)	10/23/06	3606.37	--	25.69	--	3580.68
MW-4 (SVE-1)	01/23/07	3606.37	--	25.76	--	3580.61
MW-4 (SVE-1)	04/23/07	3606.37	--	26.05	--	3580.32
MW-4 (SVE-1)	07/23/07	3606.37	--	26.18	--	3580.19
MW-4 (SVE-1)	10/22/07	3606.37	--	26.25	--	3580.12
MW-4 (SVE-1)	01/28/08	3606.37	--	26.28	--	3580.09
MW-4 (SVE-1)	04/21/08	3606.37	--	26.47	--	3579.90
MW-4 (SVE-1)	07/21/08	3606.37	--	26.74	--	3579.63
MW-4 (SVE-1)	10/20/08	3606.37	--	27.15	--	3579.22
MW-4 (SVE-1)	01/19/09	3606.37	--	27.27	--	3579.10
MW-4 (SVE-1)	04/20/09	3606.37	--	27.50	--	3578.87
MW-4 (SVE-1)	07/27/09	3606.37	--	27.80	--	3578.57
MW-4 (SVE-1)	10/26/09	3606.37	--	27.94	--	3578.43
MW-4 (SVE-1)	01/25/10	3606.37	--	28.12	--	3578.25
MW-4 (SVE-1)	04/26/10	3606.37	--	28.39	--	3577.98
MW-4 (SVE-1)	07/26/10	3606.37	--	28.12	--	3578.25
MW-4 (SVE-1)	10/25/10	3606.37	--	28.02	--	3578.35
MW-4 (SVE-1)	01/24/11	3606.37	--	28.32	--	3578.05
MW-4 (SVE-1)	04/18/11	3606.37	--	28.62	--	3577.75
MW-4 (SVE-1)	10/10/11	3606.37	--	29.08	--	3577.29
MW-4 (SVE-1)	05/30/12	3606.37	--	29.78	--	3576.59
MW-4 (SVE-1)	02/27/13	3606.37	--	30.46	--	3575.91
MW-4 (SVE-1)	07/23/13	3606.37	--	30.85	--	3575.52
MW-4 (SVE-1)	03/25/14	3606.37	--	DRY	--	DRY

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-4 (SVE-1)	07/29/14	3606.37	--	DRY	--	DRY
MW-4 (SVE-1)	02/24/15	3606.37	--	31.49	--	3574.88
MW-4 (SVE-1)	03/11/15	3606.37	--	31.57	--	3574.80
MW-4 (SVE-1)	07/27/15	3606.37	--	31.70	--	3574.67
MW-4 (SVE-1)	03/21/16	3606.37	--	31.25	--	3575.12
MW-4 (SVE-1)	09/22/16	3606.37	--	30.86	--	3575.51
MW-4 (SVE-1)	03/22/17	3606.37	--	30.56	--	3575.81
MW-4 (SVE-1)	09/18/17	3606.37	--	30.91	--	3575.46
MW-5 (SVE-2)	03/01/01	3605.52	--	24.03	--	3581.49
MW-5 (SVE-2)	06/25/01	3605.52	--	24.23	--	3581.29
MW-5 (SVE-2)	09/25/01	3605.52	--	24.48	--	3581.04
MW-5 (SVE-2)	12/11/01	3605.52	--	24.68	--	3580.84
MW-5 (SVE-2)	05/21/02	3605.52	--	25.12	--	3580.40
MW-5 (SVE-2)	06/08/02	3605.52	--	25.13	--	3580.39
MW-5 (SVE-2)	06/15/02	3605.52	--	25.13	--	3580.39
MW-5 (SVE-2)	10/15/02	3604.90	--	26.20	--	3578.70
MW-5 (SVE-2)	10/25/02	3604.90	--	26.19	--	3578.71
MW-5 (SVE-2)	10/26/02	3604.90	--	26.21	--	3578.69
MW-5 (SVE-2)	11/04/02	3604.90	--	26.08	--	3578.82
MW-5 (SVE-2)	11/05/02	3604.90	--	26.02	--	3578.88
MW-5 (SVE-2)	12/16/02	3604.90	--	26.06	--	3578.84
MW-5 (SVE-2)	01/22/03	3604.90	--	25.81	--	3579.09
MW-5 (SVE-2)	02/08/03	3604.90	--	25.91	--	3578.99
MW-5 (SVE-2)	02/14/03	3604.90	--	25.89	--	3579.01
MW-5 (SVE-2)	02/24/03	3604.90	--	25.96	--	3578.94
MW-5 (SVE-2)	04/07/03	3604.90	--	26.06	--	3578.84
MW-5 (SVE-2)	04/24/03	3604.90	--	26.05	--	3578.85
MW-5 (SVE-2)	07/15/03	3604.90	--	26.38	--	3578.52
MW-5 (SVE-2)	09/11/03	3604.90	--	26.43	--	3578.47
MW-5 (SVE-2)	10/15/03	3604.90	--	26.70	--	3578.20
MW-5 (SVE-2)	01/19/04	3604.90	--	27.06	--	3577.84
MW-5 (SVE-2)	04/19/04	3604.90	--	26.93	--	3577.97
MW-5 (SVE-2)	07/20/04	3604.90	--	27.17	--	3577.73
MW-5 (SVE-2)	10/25/04	3604.90	--	25.22	--	3579.68
MW-5 (SVE-2)	01/24/05	3604.90	--	24.52	--	3580.38
MW-5 (SVE-2)	04/18/05	3604.90	--	24.11	--	3580.79
MW-5 (SVE-2)	07/18/05	3604.90	--	24.18	--	3580.72
MW-5 (SVE-2)	10/17/05	3604.90	--	24.00	--	3580.90
MW-5 (SVE-2)	01/23/06	3604.90	--	24.24	--	3580.66

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-5 (SVE-2)	04/24/06	3604.90	--	24.66	--	3580.24
MW-5 (SVE-2)	07/24/06	3604.90	--	25.03	--	3579.87
MW-5 (SVE-2)	10/23/06	3604.90	--	24.91	--	3579.99
MW-5 (SVE-2)	01/23/07	3604.90	--	24.90	--	3580.00
MW-5 (SVE-2)	04/23/07	3604.90	--	25.22	--	3579.68
MW-5 (SVE-2)	07/23/07	3604.90	--	25.35	--	3579.55
MW-5 (SVE-2)	10/22/07	3604.90	--	25.35	--	3579.55
MW-5 (SVE-2)	01/28/08	3604.90	--	25.38	--	3579.52
MW-5 (SVE-2)	04/21/08	3604.90	--	25.64	--	3579.26
MW-5 (SVE-2)	07/21/08	3604.90	--	25.95	--	3578.95
MW-5 (SVE-2)	10/20/08	3604.90	--	26.21	--	3578.69
MW-5 (SVE-2)	01/19/09	3604.90	--	26.23	--	3578.67
MW-5 (SVE-2)	04/20/09	3604.90	--	26.59	--	3578.31
MW-5 (SVE-2)	07/27/09	3604.90	--	26.78	--	3578.12
MW-5 (SVE-2)	10/26/09	3604.90	--	26.92	--	3577.98
MW-5 (SVE-2)	01/25/10	3604.90	--	27.22	--	3577.68
MW-5 (SVE-2)	04/26/10	3604.90	--	27.45	--	3577.45
MW-5 (SVE-2)	07/26/10	3604.90	--	27.21	--	3577.69
MW-5 (SVE-2)	10/25/10	3604.90	--	26.89	--	3578.01
MW-5 (SVE-2)	01/24/11	3604.90	--	27.34	--	3577.56
MW-5 (SVE-2)	04/18/11	3604.90	--	27.72	--	3577.18
MW-5 (SVE-2)	10/10/11	3604.90	--	28.25	--	3576.65
MW-5 (SVE-2)	05/30/12	3604.90	--	29.01	--	3575.89
MW-5 (SVE-2)	02/27/13	3604.90	--	29.69	--	3575.21
MW-5 (SVE-2)	07/23/13	3604.90	--	30.11	--	3574.79
MW-5 (SVE-2)	03/25/14	3604.90	--	DRY	--	DRY
MW-5 (SVE-2)	07/29/14	3604.90	--	DRY	--	DRY
MW-5 (SVE-2)	02/24/15	3604.90	--	30.63	--	3574.27
MW-5 (SVE-2)	03/10/15	3604.90	--	DRY	--	DRY
MW-5 (SVE-2)	07/27/15	3604.90	--	DRY	--	DRY
MW-5 (SVE-2)	03/21/16	3604.90	--	30.25	--	3574.65
MW-5 (SVE-2)	09/22/16	3604.90	--	30.26	--	3574.64
MW-5 (SVE-2)	03/22/17	3604.90	--	29.60	--	3575.30
MW-5 (SVE-2)	09/18/17	3604.90	--	30.01	--	3574.89
MW-6 (RW-4)	03/01/01	3606.14	24.51	25.54	1.03	3581.42
MW-6 (RW-4)	06/25/01	3606.14	24.42	26.88	2.46	3581.23
MW-6 (RW-4)	09/25/01	3606.14	25.93	25.96	0.03	3580.20
MW-6 (RW-4)	12/11/01	3606.14	25.66	27.64	1.98	3580.08
MW-6 (RW-4)	06/25/03	3606.14	26.78	28.31	1.53	3579.05

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-6 (RW-4)	09/11/03	3606.14	26.83	28.46	1.63	3578.98
MW-6 (RW-4)	11/05/03	3606.14	27.19	28.02	0.83	3578.78
MW-6 (RW-4)	01/19/04	3606.14	27.36	28.41	1.05	3578.57
MW-6 (RW-4)	04/20/04	3606.14	27.63	27.96	0.33	3578.44
MW-6 (RW-4)	07/20/04	3606.14	28.01	28.38	0.37	3578.06
MW-6 (RW-4)	10/25/04	3606.14	26.21	26.22	0.01	3579.93
MW-6 (RW-4)	01/24/05	3606.14	--	25.17	--	3580.97
MW-6 (RW-4)	02/14/05	3606.14	--	25.11	--	3581.03
MW-6 (RW-4)	03/02/05	3606.14	25.05	25.06	0.01	3581.09
MW-6 (RW-4)	03/08/05	3606.14	--	25.02	--	3581.12
MW-6 (RW-4)	03/23/05	3606.14	--	24.97	--	3581.17
MW-6 (RW-4)	04/18/05	3606.14	--	24.86	--	3581.28
MW-6 (RW-4)	05/09/05	3606.14	--	24.87	--	3581.27
MW-6 (RW-4)	06/10/05	3606.14	--	24.83	--	3581.31
MW-6 (RW-4)	07/18/05	3606.14	--	24.84	--	3581.30
MW-6 (RW-4)	10/17/05	3606.14	--	24.75	--	3581.39
MW-6 (RW-4)	12/28/05	3606.14	--	24.90	--	3581.24
MW-6 (RW-4)	01/10/06	3606.14	--	24.96	--	3581.18
MW-6 (RW-4)	01/23/06	3606.14	--	24.94	--	3581.20
MW-6 (RW-4)	04/24/06	3606.14	25.30	25.31	0.01	3580.84
MW-6 (RW-4)	07/24/06	3606.14	25.65	25.66	0.01	3580.49
MW-6 (RW-4)	10/22/06	3606.14	25.53	25.54	0.01	3580.61
MW-6 (RW-4)	01/23/07	3606.14	25.59	25.60	0.01	3580.55
MW-6 (RW-4)	04/23/07	3606.14	--	25.88	--	3580.26
MW-6 (RW-4)	07/23/07	3606.17	26.01	26.02	0.01	3580.16
MW-6 (RW-4)	10/22/07	3606.17	26.06	26.07	0.01	3580.11
MW-6 (RW-4)	01/28/08	3606.17	26.10	26.11	0.01	3580.07
MW-6 (RW-4)	04/21/08	3606.17	--	26.32	--	3579.85
MW-6 (RW-4)	07/21/08	3606.17	--	26.60	--	3579.57
MW-6 (RW-4)	10/20/08	3606.17	--	26.83	--	3579.34
MW-6 (RW-4)	01/19/09	3606.17	26.96	26.97	0.01	3579.21
MW-6 (RW-4)	04/20/09	3606.17	--	27.20	--	3578.97
MW-6 (RW-4)	07/27/09	3606.17	--	27.50	--	3578.67
MW-6 (RW-4)	10/26/09	3606.17	--	27.64	--	3578.53
MW-6 (RW-4)	01/25/10	3606.17	--	27.85	--	3578.32
MW-6 (RW-4)	04/26/10	3606.17	--	28.08	--	3578.09
MW-6 (RW-4)	07/26/10	3606.17	--	27.83	--	3578.34
MW-6 (RW-4)	10/25/10	3606.17	--	27.64	--	3578.53
MW-6 (RW-4)	01/24/11	3606.17	--	28.27	--	3577.90
MW-6 (RW-4)	04/18/11	3606.17	--	28.30	--	3577.87
MW-6 (RW-4)	10/10/11	3606.17	--	28.78	--	3577.39
MW-6 (RW-4)	05/30/12	3606.17	--	29.43	--	3576.74
MW-6 (RW-4)	02/27/13	3606.17	--	30.12	--	3576.05

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

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MW-6 (RW-4)	07/23/13	3606.17	--	30.50	--	3575.67
MW-6 (RW-4)	03/25/14	3606.17	--	31.05	--	3575.12
MW-6 (RW-4)	07/29/14	3606.17	--	31.31	--	3574.86
MW-6 (RW-4)	02/24/15	3606.17	--	31.12	--	3575.05
MW-6 (RW-4)	03/10/15	3606.17	--	31.18	--	3574.99
MW-6 (RW-4)	07/27/15	3606.17	--	31.30	--	3574.87
MW-6 (RW-4)	03/21/16	3606.17	--	30.85	--	3575.32
MW-6 (RW-4)	09/22/16	3606.17	--	30.85	--	3575.32
MW-6 (RW-4)	03/22/17	3606.17	--	30.20	--	3575.97
MW-6 (RW-4)	09/18/17	3606.17	--	30.59	--	3575.58
MW-7 (RW-5)	03/01/01	3605.50	23.73	26.61	2.88	3581.19
MW-7 (RW-5)	06/25/01	3605.50	25.30	25.35	0.05	3580.19
MW-7 (RW-5)	09/25/01	3605.50	25.41	26.05	0.64	3579.96
MW-7 (RW-5)	05/22/02	3605.50	25.98	26.54	0.56	3579.41
MW-7 (RW-5)	11/05/02	3605.50	25.44	28.68	3.24	3579.41
MW-7 (RW-5)	02/25/03	3605.50	26.08	29.56	3.48	3578.72
MW-7 (RW-5)	04/09/03	3605.50	26.28	29.18	2.90	3578.64
MW-7 (RW-5)	06/25/03	3605.50	26.72	28.73	2.01	3578.38
MW-7 (RW-5)	09/11/03	3605.50	26.73	29.08	2.35	3578.30
MW-7 (RW-5)	11/05/03	3605.50	27.00	29.03	2.03	3578.09
MW-7 (RW-5)	01/19/04	3605.50	27.00	29.77	2.77	3577.95
MW-7 (RW-5)	04/20/04	3605.50	27.30	29.55	2.25	3577.75
MW-7 (RW-5)	07/20/04	3605.50	27.47	29.11	1.64	3577.70
MW-7 (RW-5)	10/25/04	3605.50	25.16	25.79	0.63	3580.21
MW-7 (RW-5)	01/24/05	3605.50	25.10	25.12	0.02	3580.40
MW-7 (RW-5)	02/14/05	3605.50	24.86	26.02	1.16	3580.41
MW-7 (RW-5)	03/02/05	3605.50	24.62	26.49	1.87	3580.51
MW-7 (RW-5)	03/08/05	3605.50	24.58	26.41	1.83	3580.55
MW-7 (RW-5)	03/23/05	3605.50	24.45	26.56	2.11	3580.63
MW-7 (RW-5)	04/18/05	3605.50	24.58	25.84	1.26	3580.67
MW-7 (RW-5)	05/09/05	3605.50	24.54	26.14	1.60	3580.64
MW-7 (RW-5)	06/10/05	3605.50	24.25	26.18	1.93	3580.86
MW-7 (RW-5)	07/18/05	3605.50	24.75	25.47	0.72	3580.61
MW-7 (RW-5)	10/17/05	3605.50	24.78	24.79	0.01	3580.72
MW-7 (RW-5)	11/29/05	3605.50	--	24.94	--	3580.56
MW-7 (RW-5)	12/06/05	3605.50	24.87	24.88	0.01	3580.63
MW-7 (RW-5)	12/12/05	3605.50	24.91	24.92	0.01	3580.59
MW-7 (RW-5)	12/21/05	3605.50	--	24.94	--	3580.56
MW-7 (RW-5)	12/28/05	3605.50	--	24.95	--	3580.55

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	01/04/06	3605.50	--	25.01	--	3580.49
MW-7 (RW-5)	01/10/06	3605.50	--	25.01	--	3580.49
MW-7 (RW-5)	01/16/06	3605.50	25.03	25.04	0.01	3580.47
MW-7 (RW-5)	01/23/06	3605.50	24.99	25.01	0.02	3580.51
MW-7 (RW-5)	02/01/06	3605.50	25.11	25.12	0.01	3580.39
MW-7 (RW-5)	02/16/06	3605.50	25.18	25.19	0.01	3580.32
MW-7 (RW-5)	03/06/06	3605.50	25.25	25.27	0.02	3580.25
MW-7 (RW-5)	03/29/06	3605.50	25.33	25.34	0.01	3580.17
MW-7 (RW-5)	04/04/06	3605.50	25.36	25.37	0.01	3580.14
MW-7 (RW-5)	04/11/06	3605.50	25.41	25.42	0.01	3580.09
MW-7 (RW-5)	04/17/06	3605.50	25.42	25.44	0.02	3580.08
MW-7 (RW-5)	04/24/06	3605.50	25.36	25.39	0.03	3580.13
MW-7 (RW-5)	05/03/06	3605.50	25.49	25.51	0.02	3580.01
MW-7 (RW-5)	05/31/06	3605.50	25.62	25.65	0.03	3579.87
MW-7 (RW-5)	06/09/06	3605.50	25.66	25.71	0.05	3579.83
MW-7 (RW-5)	06/12/06	3605.50	25.67	25.73	0.06	3579.82
MW-7 (RW-5)	06/26/06	3605.50	25.74	25.84	0.10	3579.74
MW-7 (RW-5)	07/05/06	3605.50	25.81	25.91	0.10	3579.67
MW-7 (RW-5)	07/10/06	3605.50	25.61	25.92	0.31	3579.83
MW-7 (RW-5)	07/17/06	3605.50	25.86	25.88	0.02	3579.64
MW-7 (RW-5)	07/24/06	3605.50	25.75	25.79	0.04	3579.74
MW-7 (RW-5)	08/02/06	3605.50	25.93	25.94	0.01	3579.57
MW-7 (RW-5)	08/14/06	3605.50	25.96	25.99	0.03	3579.53
MW-7 (RW-5)	08/28/06	3605.50	26.02	26.07	0.05	3579.47
MW-7 (RW-5)	09/14/06	3605.50	25.91	25.92	0.01	3579.59
MW-7 (RW-5)	09/21/06	3605.50	25.75	26.06	0.31	3579.69
MW-7 (RW-5)	09/25/06	3605.50	25.76	26.15	0.39	3579.66
MW-7 (RW-5)	10/02/06	3605.50	25.77	25.89	0.12	3579.71
MW-7 (RW-5)	10/10/06	3605.50	25.77	25.89	0.12	3579.71
MW-7 (RW-5)	10/16/06	3605.50	25.78	25.99	0.21	3579.68
MW-7 (RW-5)	10/23/06	3605.50	25.60	25.80	0.20	3579.86
MW-7 (RW-5)	10/30/06	3605.50	24.92	25.86	0.94	3580.39
MW-7 (RW-5)	11/06/06	3605.50	25.73	26.01	0.28	3579.71
MW-7 (RW-5)	11/21/06	3605.50	25.79	25.93	0.14	3579.68
MW-7 (RW-5)	11/28/06	3605.50	25.74	25.95	0.21	3579.72
MW-7 (RW-5)	12/05/06	3605.50	25.75	26.04	0.29	3579.69
MW-7 (RW-5)	12/11/06	3605.50	25.75	26.11	0.36	3579.68
MW-7 (RW-5)	12/18/06	3605.50	25.75	26.19	0.44	3579.66
MW-7 (RW-5)	01/02/07	3605.50	25.83	26.16	0.33	3579.60
MW-7 (RW-5)	01/08/07	3605.50	25.81	26.14	0.33	3579.62

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	01/23/07	3605.50	25.61	26.06	0.45	3579.80
MW-7 (RW-5)	02/05/07	3605.50	25.88	26.36	0.48	3579.52
MW-7 (RW-5)	02/26/07	3605.50	25.92	26.57	0.65	3579.45
MW-7 (RW-5)	03/05/07	3605.50	25.96	26.63	0.67	3579.41
MW-7 (RW-5)	03/13/07	3605.50	26.02	26.37	0.35	3579.41
MW-7 (RW-5)	03/19/07	3605.50	26.03	26.41	0.38	3579.39
MW-7 (RW-5)	03/26/07	3605.50	26.06	26.48	0.42	3579.36
MW-7 (RW-5)	04/02/07	3605.50	26.08	26.48	0.40	3579.34
MW-7 (RW-5)	04/23/07	3605.50	25.92	26.43	0.51	3579.48
MW-7 (RW-5)	05/01/07	3605.50	26.20	26.55	0.35	3579.23
MW-7 (RW-5)	05/29/07	3605.50	26.21	26.59	0.38	3579.21
MW-7 (RW-5)	06/04/07	3605.50	26.21	26.89	0.68	3579.15
MW-7 (RW-5)	06/11/07	3605.50	26.23	26.61	0.38	3579.19
MW-7 (RW-5)	06/18/07	3605.50	26.24	26.61	0.37	3579.19
MW-7 (RW-5)	06/26/07	3605.50	26.00	26.39	0.39	3579.42
MW-7 (RW-5)	07/09/07	3605.50	26.04	26.42	0.38	3579.38
MW-7 (RW-5)	07/17/07	3605.50	26.04	26.35	0.31	3579.40
MW-7 (RW-5)	07/23/07	3605.50	26.05	26.42	0.37	3579.38
MW-7 (RW-5)	07/30/07	3605.50	26.07	26.31	0.24	3579.38
MW-7 (RW-5)	08/07/07	3605.50	26.07	26.37	0.30	3579.37
MW-7 (RW-5)	08/20/07	3605.50	26.10	26.41	0.31	3579.34
MW-7 (RW-5)	08/27/07	3605.50	26.11	26.44	0.33	3579.32
MW-7 (RW-5)	09/04/07	3605.50	26.12	26.43	0.31	3579.32
MW-7 (RW-5)	09/10/07	3605.50	26.12	26.47	0.35	3579.31
MW-7 (RW-5)	09/25/07	3605.50	26.21	26.43	0.22	3579.25
MW-7 (RW-5)	10/02/07	3605.50	26.17	26.32	0.15	3579.30
MW-7 (RW-5)	10/11/07	3605.50	26.20	26.34	0.14	3579.27
MW-7 (RW-5)	10/22/07	3605.50	26.06	26.28	0.22	3579.40
MW-7 (RW-5)	10/31/07	3605.50	26.14	26.27	0.13	3579.33
MW-7 (RW-5)	11/12/07	3605.50	26.14	26.30	0.16	3579.33
MW-7 (RW-5)	11/19/07	3605.50	26.14	26.33	0.19	3579.32
MW-7 (RW-5)	12/05/07	3605.50	26.16	26.35	0.19	3579.30
MW-7 (RW-5)	12/10/07	3605.50	26.16	26.35	0.19	3579.30
MW-7 (RW-5)	12/20/07	3605.50	26.21	26.40	0.19	3579.25
MW-7 (RW-5)	01/02/08	3605.50	26.29	26.47	0.18	3579.17
MW-7 (RW-5)	01/07/08	3605.50	26.26	26.53	0.27	3579.19
MW-7 (RW-5)	01/28/08	3605.50	26.14	26.37	0.23	3579.31
MW-7 (RW-5)	02/12/08	3605.50	26.39	26.51	0.12	3579.09
MW-7 (RW-5)	02/26/08	3605.50	26.43	26.54	0.11	3579.05
MW-7 (RW-5)	04/21/08	3605.50	26.38	26.46	0.08	3579.10

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	04/28/08	3605.50	26.61	26.63	0.02	3578.89
MW-7 (RW-5)	05/20/08	3605.50	26.66	26.70	0.04	3578.83
MW-7 (RW-5)	06/02/08	3605.50	26.70	26.73	0.03	3578.79
MW-7 (RW-5)	06/09/08	3605.50	26.77	26.83	0.06	3578.72
MW-7 (RW-5)	06/16/08	3605.50	26.75	26.78	0.03	3578.74
MW-7 (RW-5)	06/30/08	3605.50	26.82	26.84	0.02	3578.68
MW-7 (RW-5)	07/14/08	3605.50	26.88	26.90	0.02	3578.62
MW-7 (RW-5)	07/21/08	3605.50	26.69	26.72	0.03	3578.80
MW-7 (RW-5)	08/06/08	3605.50	26.96	27.02	0.06	3578.53
MW-7 (RW-5)	08/18/08	3605.50	27.02	27.06	0.04	3578.47
MW-7 (RW-5)	09/09/08	3605.50	--	27.06	--	3578.44
MW-7 (RW-5)	09/15/08	3605.50	--	27.08	--	3578.42
MW-7 (RW-5)	09/22/08	3605.50	--	27.11	--	3578.39
MW-7 (RW-5)	09/29/08	3605.50	--	27.15	--	3578.35
MW-7 (RW-5)	10/07/08	3605.50	--	27.20	--	3578.30
MW-7 (RW-5)	10/20/08	3605.50	--	26.92	--	3578.58
MW-7 (RW-5)	10/28/08	3605.50	--	27.22	--	3578.28
MW-7 (RW-5)	11/07/08	3605.50	--	27.23	--	3578.27
MW-7 (RW-5)	11/24/08	3605.50	--	27.22	--	3578.28
MW-7 (RW-5)	12/01/08	3605.50	--	27.23	--	3578.27
MW-7 (RW-5)	12/08/08	3605.50	--	27.24	--	3578.26
MW-7 (RW-5)	12/24/08	3605.50	--	27.28	--	3578.22
MW-7 (RW-5)	12/29/08	3605.50	--	27.29	--	3578.21
MW-7 (RW-5)	01/06/09	3605.50	--	27.34	--	3578.16
MW-7 (RW-5)	01/14/09	3605.50	--	27.29	--	3578.21
MW-7 (RW-5)	01/19/09	3605.50	27.02	27.03	0.01	3578.48
MW-7 (RW-5)	01/26/09	3605.50	--	27.37	--	3578.13
MW-7 (RW-5)	02/10/09	3605.50	--	27.41	--	3578.09
MW-7 (RW-5)	02/26/09	3605.50	--	27.43	--	3578.07
MW-7 (RW-5)	03/02/09	3605.50	--	27.41	--	3578.09
MW-7 (RW-5)	03/09/09	3605.50	--	27.45	--	3578.05
MW-7 (RW-5)	03/16/09	3605.50	--	27.46	--	3578.04
MW-7 (RW-5)	03/24/09	3605.50	--	27.50	--	3578.00
MW-7 (RW-5)	03/30/09	3605.50	--	27.46	--	3578.04
MW-7 (RW-5)	04/06/09	3605.50	--	27.50	--	3578.00
MW-7 (RW-5)	04/14/09	3605.50	--	27.48	--	3578.02
MW-7 (RW-5)	04/20/09	3605.50	27.28	27.29	0.01	3578.22
MW-7 (RW-5)	04/28/09	3605.50	--	27.50	--	3578.00
MW-7 (RW-5)	05/11/09	3605.50	--	27.54	--	3577.96
MW-7 (RW-5)	05/26/09	3605.50	--	27.56	--	3577.94

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	06/01/09	3605.50	--	27.60	--	3577.90
MW-7 (RW-5)	06/09/09	3605.50	--	27.58	--	3577.92
MW-7 (RW-5)	06/15/09	3605.50	--	27.65	--	3577.85
MW-7 (RW-5)	06/29/09	3605.50	--	27.63	--	3577.87
MW-7 (RW-5)	07/06/09	3605.50	--	27.68	--	3577.82
MW-7 (RW-5)	07/14/09	3605.50	--	27.71	--	3577.79
MW-7 (RW-5)	07/20/09	3605.50	--	27.55	--	3577.95
MW-7 (RW-5)	07/27/09	3605.50	--	27.60	--	3577.90
MW-7 (RW-5)	08/03/09	3605.50	--	27.79	--	3577.71
MW-7 (RW-5)	08/12/09	3605.50	--	27.79	--	3577.71
MW-7 (RW-5)	08/24/09	3605.50	--	27.79	--	3577.71
MW-7 (RW-5)	08/31/09	3605.50	--	27.80	--	3577.70
MW-7 (RW-5)	09/08/09	3605.50	--	27.75	--	3577.75
MW-7 (RW-5)	09/16/09	3605.50	--	27.80	--	3577.70
MW-7 (RW-5)	09/28/09	3605.50	--	27.78	--	3577.72
MW-7 (RW-5)	10/05/09	3605.50	--	27.82	--	3577.68
MW-7 (RW-5)	10/12/09	3605.50	--	27.85	--	3577.65
MW-7 (RW-5)	10/26/09	3605.50	27.72	27.73	0.01	3577.78
MW-7 (RW-5)	11/03/09	3605.50	--	27.93	--	3577.57
MW-7 (RW-5)	11/10/09	3605.50	--	27.88	--	3577.62
MW-7 (RW-5)	11/23/09	3605.50	--	27.90	--	3577.60
MW-7 (RW-5)	11/30/09	3605.50	--	27.94	--	3577.56
MW-7 (RW-5)	12/07/09	3605.50	--	27.93	--	3577.57
MW-7 (RW-5)	12/22/09	3605.50	--	28.00	--	3577.50
MW-7 (RW-5)	01/04/10	3605.50	--	28.00	--	3577.50
MW-7 (RW-5)	01/11/10	3605.50	--	28.05	--	3577.45
MW-7 (RW-5)	01/18/10	3605.50	--	28.02	--	3577.48
MW-7 (RW-5)	01/25/10	3605.50	--	27.95	--	3577.55
MW-7 (RW-5)	02/01/10	3605.50	--	28.06	--	3577.44
MW-7 (RW-5)	02/08/10	3605.50	--	28.10	--	3577.40
MW-7 (RW-5)	02/22/10	3605.50	--	28.09	--	3577.41
MW-7 (RW-5)	03/01/10	3605.50	--	28.19	--	3577.31
MW-7 (RW-5)	03/08/10	3605.50	--	28.25	--	3577.25
MW-7 (RW-5)	03/22/10	3605.50	--	28.29	--	3577.21
MW-7 (RW-5)	03/29/10	3605.50	--	28.30	--	3577.20
MW-7 (RW-5)	04/05/10	3605.50	--	28.34	--	3577.16
MW-7 (RW-5)	04/13/10	3605.50	--	28.32	--	3577.18
MW-7 (RW-5)	04/19/10	3605.50	--	28.38	--	3577.12
MW-7 (RW-5)	04/26/10	3605.50	--	28.18	--	3577.32
MW-7 (RW-5)	05/03/10	3605.50	--	28.41	--	3577.09

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	05/14/10	3605.50	--	28.46	--	3577.04
MW-7 (RW-5)	05/20/10	3605.50	--	28.43	--	3577.07
MW-7 (RW-5)	05/27/10	3605.50	--	28.44	--	3577.06
MW-7 (RW-5)	06/01/10	3605.50	--	28.47	--	3577.03
MW-7 (RW-5)	06/07/10	3605.50	--	28.49	--	3577.01
MW-7 (RW-5)	06/15/10	3605.50	--	28.53	--	3576.97
MW-7 (RW-5)	06/28/10	3605.50	--	28.50	--	3577.00
MW-7 (RW-5)	07/06/10	3605.50	--	28.50	--	3577.00
MW-7 (RW-5)	07/13/10	3605.50	--	28.33	--	3577.17
MW-7 (RW-5)	07/19/10	3605.50	--	28.28	--	3577.22
MW-7 (RW-5)	07/26/10	3605.50	--	27.91	--	3577.59
MW-7 (RW-5)	08/09/10	3605.50	--	28.11	--	3577.39
MW-7 (RW-5)	08/16/10	3605.50	--	28.07	--	3577.43
MW-7 (RW-5)	08/30/10	3605.50	--	28.04	--	3577.46
MW-7 (RW-5)	09/07/10	3605.50	--	27.99	--	3577.51
MW-7 (RW-5)	09/13/10	3605.50	--	28.00	--	3577.50
MW-7 (RW-5)	09/20/10	3605.50	--	27.95	--	3577.55
MW-7 (RW-5)	09/27/10	3605.50	--	27.99	--	3577.51
MW-7 (RW-5)	10/04/10	3605.50	--	27.95	--	3577.55
MW-7 (RW-5)	10/12/10	3605.50	--	27.99	--	3577.51
MW-7 (RW-5)	10/19/10	3605.50	--	27.96	--	3577.54
MW-7 (RW-5)	10/25/10	3605.50	27.70	27.71	0.01	3577.80
MW-7 (RW-5)	11/01/10	3605.50	--	28.03	--	3577.47
MW-7 (RW-5)	11/09/10	3605.50	--	28.03	--	3577.47
MW-7 (RW-5)	11/22/10	3605.50	--	28.05	--	3577.45
MW-7 (RW-5)	12/06/10	3605.50	--	28.13	--	3577.37
MW-7 (RW-5)	12/13/10	3605.50	--	28.11	--	3577.39
MW-7 (RW-5)	01/04/11	3605.50	--	28.29	--	3577.21
MW-7 (RW-5)	01/10/11	3605.50	--	28.24	--	3577.26
MW-7 (RW-5)	01/17/11	3605.50	--	28.28	--	3577.22
MW-7 (RW-5)	01/24/11	3605.50	28.35	28.36	0.01	3577.15
MW-7 (RW-5)	01/31/11	3605.50	--	28.32	--	3577.18
MW-7 (RW-5)	02/07/11	3605.50	--	28.37	--	3577.13
MW-7 (RW-5)	02/14/11	3605.50	--	28.46	--	3577.04
MW-7 (RW-5)	03/01/11	3605.50	--	28.56	--	3576.94
MW-7 (RW-5)	03/07/11	3605.50	--	28.55	--	3576.95
MW-7 (RW-5)	03/21/11	3605.50	--	28.53	--	3576.97
MW-7 (RW-5)	03/28/11	3605.50	--	28.60	--	3576.90
MW-7 (RW-5)	04/18/11	3605.50	--	28.71	--	3576.79
MW-7 (RW-5)	10/10/11	3605.50	--	28.92	--	3576.58

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	05/30/12	3605.50	--	29.66	--	3575.84
MW-7 (RW-5)	01/17/13	3605.50	--	30.19	--	3575.31
MW-7 (RW-5)	01/24/13	3605.50	--	30.17	--	3575.33
MW-7 (RW-5)	01/31/13	3605.50	--	30.20	--	3575.30
MW-7 (RW-5)	02/07/13	3605.50	--	30.25	--	3575.25
MW-7 (RW-5)	02/14/13	3605.50	--	30.20	--	3575.30
MW-7 (RW-5)	02/27/13	3605.50	--	30.30	--	3575.20
MW-7 (RW-5)	03/07/13	3605.50	--	30.33	--	3575.17
MW-7 (RW-5)	03/14/13	3605.50	--	30.35	--	3575.15
MW-7 (RW-5)	03/19/13	3605.50	--	30.36	--	3575.14
MW-7 (RW-5)	04/05/13	3605.50	--	30.39	--	3575.11
MW-7 (RW-5)	04/10/13	3605.50	--	30.40	--	3575.10
MW-7 (RW-5)	04/18/13	3605.50	--	30.43	--	3575.07
MW-7 (RW-5)	04/25/13	3605.50	--	30.42	--	3575.08
MW-7 (RW-5)	05/02/13	3605.50	--	30.44	--	3575.06
MW-7 (RW-5)	05/09/13	3605.50	--	30.48	--	3575.02
MW-7 (RW-5)	05/13/13	3605.50	--	30.50	--	3575.00
MW-7 (RW-5)	05/23/13	3605.50	--	30.50	--	3575.00
MW-7 (RW-5)	05/30/13	3605.50	--	30.58	--	3574.92
MW-7 (RW-5)	06/07/13	3605.50	--	30.56	--	3574.94
MW-7 (RW-5)	06/13/13	3605.50	--	30.56	--	3574.94
MW-7 (RW-5)	06/27/13	3605.50	--	30.64	--	3574.86
MW-7 (RW-5)	07/02/13	3605.50	--	30.51	--	3574.99
MW-7 (RW-5)	07/11/13	3605.50	--	30.66	--	3574.84
MW-7 (RW-5)	07/23/13	3605.50	--	30.69	--	3574.81
MW-7 (RW-5)	08/22/13	3605.50	--	30.78	--	3574.72
MW-7 (RW-5)	09/19/13	3605.50	--	30.85	--	3574.65
MW-7 (RW-5)	10/03/13	3605.50	--	30.87	--	3574.63
MW-7 (RW-5)	10/31/13	3605.50	--	30.93	--	3574.57
MW-7 (RW-5)	11/14/13	3605.50	--	31.00	--	3574.50
MW-7 (RW-5)	11/27/13	3605.50	--	30.96	--	3574.54
MW-7 (RW-5)	12/11/13	3605.50	--	30.98	--	3574.52
MW-7 (RW-5)	12/24/13	3605.50	--	31.01	--	3574.49
MW-7 (RW-5)	01/08/14	3605.50	--	31.06	--	3574.44
MW-7 (RW-5)	03/10/14	3605.50	--	31.16	--	3574.34
MW-7 (RW-5)	03/25/14	3605.50	--	31.20	--	3574.30
MW-7 (RW-5)	04/02/14	3605.50	--	31.22	--	3574.28
MW-7 (RW-5)	04/16/14	3605.50	--	31.26	--	3574.24
MW-7 (RW-5)	04/28/14	3605.50	--	31.26	--	3574.24
MW-7 (RW-5)	05/15/14	3605.50	--	31.30	--	3574.20

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-7 (RW-5)	05/28/14	3605.50	--	31.34	--	3574.16
MW-7 (RW-5)	06/09/14	3605.50	--	31.37	--	3574.13
MW-7 (RW-5)	07/29/14	3605.50	--	DRY	--	DRY
MW-7 (RW-5)	08/06/14	3605.50	--	DRY	--	DRY
MW-7 (RW-5)	08/19/14	3605.50	--	31.48	--	3574.02
MW-7 (RW-5)	09/03/14	3605.50	--	DRY	--	DRY
MW-7 (RW-5)	10/01/14	3605.50	--	31.45	--	3574.05
MW-7 (RW-5)	10/30/14	3605.50	--	31.37	--	3574.13
MW-7 (RW-5)	11/24/14	3606.50	--	31.35	--	3575.15
MW-7 (RW-5)	12/10/14	3606.50	--	31.32	--	3575.18
MW-7 (RW-5)	01/08/15	3606.50	--	31.27	--	3575.23
MW-7 (RW-5)	01/20/15	3606.50	--	31.27	--	3575.23
MW-7 (RW-5)	02/25/15	3606.50	--	31.29	--	3575.21
MW-7 (RW-5)	03/10/15	3606.50	--	31.30	--	3575.20
MW-7 (RW-5)	04/24/15	3606.50	--	31.50	--	3575.00
MW-7 (RW-5)	05/15/15	3606.50	--	31.50	--	3575.00
MW-7 (RW-5)	06/08/15	3606.50	31.46	31.47	0.01	3575.04
MW-7 (RW-5)	07/27/15	3606.50	--	31.60	--	3574.90
MW-7 (RW-5)	08/18/15	3606.50	--	31.34	--	3575.16
MW-7 (RW-5)	09/29/15	3607.50	--	31.33	--	3576.17
MW-7 (RW-5)	02/18/16	3607.50	--	30.93	--	3576.57
MW-7 (RW-5)	03/21/16	3607.50	--	30.90	--	3576.60
MW-7 (RW-5)	04/14/16	3607.50	--	30.97	--	3576.53
MW-7 (RW-5)	05/19/16	3608.50	--	31.10	--	3577.40
MW-7 (RW-5)	07/27/16	3609.50	--	31.41	--	3578.09
MW-7 (RW-5)	09/22/16	3609.50	--	DRY	--	DRY
MW-7 (RW-5)	10/13/16	3610.50	--	30.05	--	3580.45
MW-7 (RW-5)	12/08/16	3611.50	--	30.51	--	3580.99
MW-7 (RW-5)	03/22/17	3609.50	--	30.26	--	3579.24
MW-7 (RW-5)	09/18/17	3609.50	--	30.66	--	3578.84
MW-8 (SVE-5)	03/01/01	3605.25	--	24.29	--	3580.96
MW-8 (SVE-5)	06/25/01	3605.25	--	25.54	--	3579.71
MW-8 (SVE-5)	09/25/01	3605.25	--	24.82	--	3580.43
MW-8 (SVE-5)	12/11/01	3605.25	--	25.03	--	3580.22
MW-8 (SVE-5)	05/21/02	3605.25	--	25.40	--	3579.85
MW-8 (SVE-5)	06/08/02	3605.25	--	25.45	--	3579.80
MW-8 (SVE-5)	06/15/02	3605.25	--	25.47	--	3579.78
MW-8 (SVE-5)	10/15/02	3604.92	--	26.25	--	3578.67
MW-8 (SVE-5)	10/25/02	3604.92	--	26.26	--	3578.66

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	10/26/02	3604.92	--	26.25	--	3578.67
MW-8 (SVE-5)	11/04/02	3604.92	--	26.00	--	3578.92
MW-8 (SVE-5)	11/05/02	3604.92	--	25.99	--	3578.93
MW-8 (SVE-5)	12/16/02	3604.92	--	25.85	--	3579.07
MW-8 (SVE-5)	02/14/03	3604.92	25.90	25.91	0.01	3579.02
MW-8 (SVE-5)	02/24/03	3604.92	25.95	26.00	0.05	3578.96
MW-8 (SVE-5)	01/22/03	3604.92	--	25.70	--	3579.22
MW-8 (SVE-5)	04/07/03	3604.92	26.00	26.11	0.11	3578.90
MW-8 (SVE-5)	04/24/03	3604.92	26.01	26.11	0.10	3578.89
MW-8 (SVE-5)	06/25/03	3604.92	26.39	26.96	0.57	3578.42
MW-8 (SVE-5)	09/11/03	3604.92	26.58	27.13	0.55	3578.23
MW-8 (SVE-5)	11/05/03	3604.92	26.18	26.51	0.33	3578.67
MW-8 (SVE-5)	01/19/04	3604.92	27.00	27.59	0.59	3577.80
MW-8 (SVE-5)	04/20/04	3604.92	27.11	27.56	0.45	3577.72
MW-8 (SVE-5)	07/20/04	3604.92	27.06	27.40	0.34	3577.79
MW-8 (SVE-5)	10/25/04	3604.92	25.33	26.49	1.16	3579.36
MW-8 (SVE-5)	01/24/05	3604.92	24.22	25.16	0.94	3580.51
MW-8 (SVE-5)	02/14/05	3604.92	23.85	24.96	1.11	3580.85
MW-8 (SVE-5)	03/02/05	3604.92	23.78	24.87	1.09	3580.92
MW-8 (SVE-5)	03/08/05	3604.92	23.84	24.84	1.00	3580.88
MW-8 (SVE-5)	03/23/05	3604.92	23.80	24.81	1.01	3580.92
MW-8 (SVE-5)	04/18/05	3604.92	23.89	24.79	0.90	3580.85
MW-8 (SVE-5)	05/09/05	3604.92	23.62	24.59	0.97	3581.11
MW-8 (SVE-5)	06/10/05	3604.92	23.55	24.52	0.97	3581.18
MW-8 (SVE-5)	07/18/05	3604.92	23.99	24.81	0.82	3580.77
MW-8 (SVE-5)	10/17/05	3604.92	23.91	24.72	0.81	3580.85
MW-8 (SVE-5)	12/06/05	3604.92	23.92	24.68	0.76	3580.85
MW-8 (SVE-5)	12/12/05	3604.92	23.83	24.45	0.62	3580.97
MW-8 (SVE-5)	12/21/05	3604.92	24.06	24.86	0.80	3580.70
MW-8 (SVE-5)	12/28/05	3604.92	24.06	24.85	0.79	3580.70
MW-8 (SVE-5)	01/04/06	3604.92	24.14	24.93	0.79	3580.62
MW-8 (SVE-5)	01/10/06	3604.92	24.15	24.93	0.78	3580.61
MW-8 (SVE-5)	01/16/06	3604.92	24.17	24.92	0.75	3580.60
MW-8 (SVE-5)	01/23/06	3604.92	24.13	24.96	0.83	3580.62
MW-8 (SVE-5)	02/01/06	3604.92	24.24	25.01	0.77	3580.53
MW-8 (SVE-5)	02/16/06	3604.92	24.32	25.08	0.76	3580.45
MW-8 (SVE-5)	03/06/06	3604.92	24.42	25.17	0.75	3580.35
MW-8 (SVE-5)	03/29/06	3604.92	24.52	25.27	0.75	3580.25
MW-8 (SVE-5)	04/04/06	3604.92	24.56	25.29	0.73	3580.21
MW-8 (SVE-5)	04/11/06	3604.92	24.60	25.34	0.74	3580.17

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	04/17/06	3604.92	24.62	25.35	0.73	3580.15
MW-8 (SVE-5)	04/24/06	3604.92	24.55	25.39	0.84	3580.20
MW-8 (SVE-5)	05/03/06	3604.92	24.69	25.45	0.76	3580.08
MW-8 (SVE-5)	05/31/06	3604.92	24.83	25.92	1.09	3579.87
MW-8 (SVE-5)	06/09/06	3604.92	25.00	25.01	0.01	3579.92
MW-8 (SVE-5)	06/12/06	3604.92	25.03	25.04	0.01	3579.89
MW-8 (SVE-5)	06/26/06	3604.92	25.11	25.12	0.01	3579.81
MW-8 (SVE-5)	07/05/06	3604.92	25.18	25.19	0.01	3579.74
MW-8 (SVE-5)	07/10/06	3604.92	25.19	25.20	0.01	3579.73
MW-8 (SVE-5)	07/17/06	3604.92	25.16	25.18	0.02	3579.76
MW-8 (SVE-5)	07/24/06	3604.92	25.04	25.09	0.05	3579.87
MW-8 (SVE-5)	08/02/06	3604.92	25.23	25.28	0.05	3579.68
MW-8 (SVE-5)	08/14/06	3604.92	25.23	25.28	0.05	3579.68
MW-8 (SVE-5)	08/28/06	3604.92	25.33	25.38	0.05	3579.58
MW-8 (SVE-5)	09/14/06	3604.92	25.24	25.26	0.02	3579.68
MW-8 (SVE-5)	09/21/06	3604.92	25.70	25.75	0.05	3579.21
MW-8 (SVE-5)	09/25/06	3604.92	25.10	25.11	0.01	3579.82
MW-8 (SVE-5)	10/02/06	3604.92	25.81	25.82	0.01	3579.11
MW-8 (SVE-5)	10/10/06	3604.92	--	24.82	--	3580.10
MW-8 (SVE-5)	10/16/06	3604.92	25.08	25.14	0.06	3579.83
MW-8 (SVE-5)	10/23/06	3604.92	24.89	24.92	0.03	3580.02
MW-8 (SVE-5)	10/30/06	3604.92	25.00	25.01	0.01	3579.92
MW-8 (SVE-5)	11/06/06	3604.92	--	25.01	--	3579.91
MW-8 (SVE-5)	11/21/06	3604.92	--	25.03	--	3579.89
MW-8 (SVE-5)	11/28/06	3604.92	--	25.01	--	3579.91
MW-8 (SVE-5)	12/05/06	3604.92	--	25.01	--	3579.91
MW-8 (SVE-5)	12/11/06	3604.92	--	25.02	--	3579.90
MW-8 (SVE-5)	12/18/06	3604.92	--	25.04	--	3579.88
MW-8 (SVE-5)	01/02/07	3604.92	--	25.09	--	3579.83
MW-8 (SVE-5)	01/08/07	3604.92	--	25.04	--	3579.88
MW-8 (SVE-5)	01/23/07	3604.92	--	24.91	--	3580.01
MW-8 (SVE-5)	02/05/07	3604.92	--	25.19	--	3579.73
MW-8 (SVE-5)	02/26/07	3604.92	25.23	25.24	0.01	3579.69
MW-8 (SVE-5)	03/05/07	3604.92	25.31	25.32	0.01	3579.61
MW-8 (SVE-5)	03/13/07	3604.92	25.34	25.35	0.01	3579.58
MW-8 (SVE-5)	03/19/07	3604.92	25.36	25.37	0.01	3579.56
MW-8 (SVE-5)	03/26/07	3604.92	25.40	25.41	0.01	3579.52
MW-8 (SVE-5)	04/02/07	3604.92	25.41	25.42	0.01	3579.51
MW-8 (SVE-5)	04/23/07	3604.92	25.23	25.24	0.01	3579.69
MW-8 (SVE-5)	05/01/07	3604.92	25.51	25.52	0.01	3579.41

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	05/29/07	3604.92	25.53	25.54	0.01	3579.39
MW-8 (SVE-5)	06/04/07	3604.92	25.54	25.55	0.01	3579.38
MW-8 (SVE-5)	06/11/07	3604.92	--	25.56	--	3579.36
MW-8 (SVE-5)	06/18/07	3604.92	--	25.56	--	3579.36
MW-8 (SVE-5)	06/26/07	3604.92	--	25.29	--	3579.63
MW-8 (SVE-5)	07/09/07	3604.92	--	25.33	--	3579.59
MW-8 (SVE-5)	07/17/07	3604.92	--	25.33	--	3579.59
MW-8 (SVE-5)	07/23/07	3604.92	25.34	25.35	0.01	3579.58
MW-8 (SVE-5)	07/30/07	3604.92	--	25.34	--	3579.58
MW-8 (SVE-5)	08/07/07	3604.92	--	25.35	--	3579.57
MW-8 (SVE-5)	08/20/07	3604.92	--	25.37	--	3579.55
MW-8 (SVE-5)	08/27/07	3604.92	--	25.40	--	3579.52
MW-8 (SVE-5)	09/04/07	3604.92	--	25.41	--	3579.51
MW-8 (SVE-5)	09/10/07	3604.92	25.45	25.46	0.01	3579.47
MW-8 (SVE-5)	09/25/07	3604.92	25.45	25.46	0.01	3579.47
MW-8 (SVE-5)	10/02/07	3604.92	25.40	25.41	0.01	3579.52
MW-8 (SVE-5)	10/11/07	3604.92	25.40	25.41	0.01	3579.52
MW-8 (SVE-5)	10/22/07	3604.92	25.30	25.31	0.01	3579.62
MW-8 (SVE-5)	10/31/07	3604.92	--	25.36	--	3579.56
MW-8 (SVE-5)	11/12/07	3604.92	--	25.33	--	3579.59
MW-8 (SVE-5)	11/19/07	3604.92	--	25.35	--	3579.57
MW-8 (SVE-5)	12/05/07	3604.92	--	25.38	--	3579.54
MW-8 (SVE-5)	12/10/07	3604.92	--	25.44	--	3579.48
MW-8 (SVE-5)	12/20/07	3604.92	--	25.44	--	3579.48
MW-8 (SVE-5)	01/02/08	3604.92	--	25.51	--	3579.41
MW-8 (SVE-5)	01/07/08	3604.92	--	25.50	--	3579.42
MW-8 (SVE-5)	01/28/08	3604.92	25.39	25.40	0.01	3579.53
MW-8 (SVE-5)	02/12/08	3604.92	25.64	25.65	0.01	3579.28
MW-8 (SVE-5)	02/26/08	3604.92	25.69	25.70	0.01	3579.23
MW-8 (SVE-5)	04/21/08	3604.92	25.65	25.66	0.01	3579.27
MW-8 (SVE-5)	04/28/08	3604.92	--	25.84	--	3579.08
MW-8 (SVE-5)	05/20/08	3604.92	--	25.94	--	3578.98
MW-8 (SVE-5)	06/02/08	3604.92	--	25.99	--	3578.93
MW-8 (SVE-5)	06/09/08	3604.92	26.05	26.08	0.03	3578.86
MW-8 (SVE-5)	06/16/08	3604.92	26.03	26.04	0.01	3578.89
MW-8 (SVE-5)	06/30/08	3604.92	--	26.11	--	3578.81
MW-8 (SVE-5)	07/14/08	3604.92	--	26.18	--	3578.74
MW-8 (SVE-5)	07/21/08	3604.92	25.98	26.04	0.06	3578.93
MW-8 (SVE-5)	08/06/08	3604.92	26.28	26.29	0.01	3578.64
MW-8 (SVE-5)	08/18/08	3604.92	26.33	26.39	0.06	3578.58

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

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MW-8 (SVE-5)	09/09/08	3604.92	--	26.41	--	3578.51
MW-8 (SVE-5)	09/15/08	3604.92	--	26.42	--	3578.50
MW-8 (SVE-5)	09/22/08	3604.92	--	26.45	--	3578.47
MW-8 (SVE-5)	09/29/08	3604.92	--	26.49	--	3578.43
MW-8 (SVE-5)	10/07/08	3604.92	--	26.52	--	3578.40
MW-8 (SVE-5)	10/20/08	3604.92	26.23	26.27	0.04	3578.68
MW-8 (SVE-5)	10/28/08	3604.92	--	26.55	--	3578.37
MW-8 (SVE-5)	11/28/08	3604.92	--	26.54	--	3578.38
MW-8 (SVE-5)	12/01/08	3604.92	--	26.53	--	3578.39
MW-8 (SVE-5)	12/08/08	3604.92	--	26.54	--	3578.38
MW-8 (SVE-5)	12/24/08	3604.92	--	26.57	--	3578.35
MW-8 (SVE-5)	12/29/08	3604.92	--	26.60	--	3578.32
MW-8 (SVE-5)	01/06/09	3604.92	--	26.64	--	3578.28
MW-8 (SVE-5)	01/14/09	3604.92	--	26.63	--	3578.29
MW-8 (SVE-5)	01/19/09	3604.92	26.35	26.36	0.01	3578.57
MW-8 (SVE-5)	01/26/09	3604.92	--	26.68	--	3578.24
MW-8 (SVE-5)	02/10/09	3604.92	--	26.73	--	3578.19
MW-8 (SVE-5)	02/26/09	3604.92	--	26.75	--	3578.17
MW-8 (SVE-5)	03/02/09	3604.92	26.75	26.76	0.01	3578.17
MW-8 (SVE-5)	03/09/09	3604.92	--	26.78	--	3578.14
MW-8 (SVE-5)	03/16/09	3604.92	26.79	26.80	0.01	3578.13
MW-8 (SVE-5)	03/24/09	3604.92	--	26.82	--	3578.10
MW-8 (SVE-5)	03/30/09	3604.92	--	26.78	--	3578.14
MW-8 (SVE-5)	04/06/09	3604.92	--	26.84	--	3578.08
MW-8 (SVE-5)	04/14/09	3604.92	--	26.79	--	3578.13
MW-8 (SVE-5)	04/20/09	3604.92	26.61	26.62	0.01	3578.31
MW-8 (SVE-5)	04/28/09	3604.92	--	26.82	--	3578.10
MW-8 (SVE-5)	05/11/09	3604.92	--	26.89	--	3578.03
MW-8 (SVE-5)	05/26/09	3604.92	--	26.88	--	3578.04
MW-8 (SVE-5)	06/01/09	3604.92	--	26.95	--	3577.97
MW-8 (SVE-5)	06/09/09	3604.92	--	26.90	--	3578.02
MW-8 (SVE-5)	06/15/09	3604.92	--	26.98	--	3577.94
MW-8 (SVE-5)	06/29/09	3604.92	--	26.94	--	3577.98
MW-8 (SVE-5)	07/06/09	3604.92	--	27.00	--	3577.92
MW-8 (SVE-5)	07/14/09	3604.92	--	27.07	--	3577.85
MW-8 (SVE-5)	07/20/09	3604.92	--	26.99	--	3577.93
MW-8 (SVE-5)	07/27/09	3604.92	--	26.95	--	3577.97
MW-8 (SVE-5)	08/03/09	3604.92	--	27.08	--	3577.84
MW-8 (SVE-5)	08/12/09	3604.92	--	27.15	--	3577.77
MW-8 (SVE-5)	08/24/09	3604.92	--	27.08	--	3577.84

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	08/31/09	3604.92	--	27.14	--	3577.78
MW-8 (SVE-5)	09/08/09	3604.92	--	27.06	--	3577.86
MW-8 (SVE-5)	09/16/09	3604.92	--	27.13	--	3577.79
MW-8 (SVE-5)	09/28/09	3604.92	--	27.03	--	3577.89
MW-8 (SVE-5)	10/05/09	3604.92	--	27.15	--	3577.77
MW-8 (SVE-5)	10/12/09	3604.92	--	27.10	--	3577.82
MW-8 (SVE-5)	10/26/09	3604.92	--	27.05	--	3577.87
MW-8 (SVE-5)	11/03/09	3604.92	--	27.08	--	3577.84
MW-8 (SVE-5)	11/10/09	3604.92	--	27.19	--	3577.73
MW-8 (SVE-5)	11/23/09	3604.92	--	27.15	--	3577.77
MW-8 (SVE-5)	11/30/09	3604.92	--	27.26	--	3577.66
MW-8 (SVE-5)	12/07/09	3604.92	--	27.32	--	3577.60
MW-8 (SVE-5)	12/22/09	3604.92	--	27.35	--	3577.57
MW-8 (SVE-5)	01/04/10	3604.92	--	27.31	--	3577.61
MW-8 (SVE-5)	01/11/10	3604.92	--	27.39	--	3577.53
MW-8 (SVE-5)	01/18/10	3604.92	--	27.26	--	3577.66
MW-8 (SVE-5)	01/25/10	3604.92	--	27.30	--	3577.62
MW-8 (SVE-5)	02/01/10	3604.92	--	27.35	--	3577.57
MW-8 (SVE-5)	02/08/10	3604.92	--	27.39	--	3577.53
MW-8 (SVE-5)	02/22/10	3604.92	--	27.53	--	3577.39
MW-8 (SVE-5)	03/01/10	3604.92	--	27.19	--	3577.73
MW-8 (SVE-5)	03/08/10	3604.92	--	27.56	--	3577.36
MW-8 (SVE-5)	03/22/10	3604.92	--	27.80	--	3577.12
MW-8 (SVE-5)	03/29/10	3604.92	--	27.51	--	3577.41
MW-8 (SVE-5)	04/05/10	3604.92	--	27.64	--	3577.28
MW-8 (SVE-5)	04/13/10	3604.92	--	27.51	--	3577.41
MW-8 (SVE-5)	04/19/10	3604.92	--	27.68	--	3577.24
MW-8 (SVE-5)	04/26/10	3604.92	--	27.49	--	3577.43
MW-8 (SVE-5)	05/03/10	3604.92	--	27.75	--	3577.17
MW-8 (SVE-5)	05/14/10	3604.92	--	27.78	--	3577.14
MW-8 (SVE-5)	05/20/10	3604.92	--	27.75	--	3577.17
MW-8 (SVE-5)	05/27/10	3604.92	--	27.55	--	3577.37
MW-8 (SVE-5)	06/01/10	3604.92	--	27.78	--	3577.14
MW-8 (SVE-5)	06/07/10	3604.92	--	27.72	--	3577.20
MW-8 (SVE-5)	06/15/10	3604.92	--	27.85	--	3577.07
MW-8 (SVE-5)	06/28/10	3604.92	--	27.75	--	3577.17
MW-8 (SVE-5)	07/06/10	3604.92	--	27.73	--	3577.19
MW-8 (SVE-5)	07/13/10	3604.92	--	27.63	--	3577.29
MW-8 (SVE-5)	07/19/10	3604.92	--	27.64	--	3577.28
MW-8 (SVE-5)	07/26/10	3604.92	--	27.27	--	3577.65

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	08/09/10	3604.92	--	27.45	--	3577.47
MW-8 (SVE-5)	08/16/10	3604.92	--	27.38	--	3577.54
MW-8 (SVE-5)	08/30/10	3604.92	--	27.35	--	3577.57
MW-8 (SVE-5)	09/07/10	3604.92	--	27.27	--	3577.65
MW-8 (SVE-5)	09/13/10	3604.92	--	27.31	--	3577.61
MW-8 (SVE-5)	09/20/10	3604.92	--	27.21	--	3577.71
MW-8 (SVE-5)	09/27/10	3604.92	--	27.29	--	3577.63
MW-8 (SVE-5)	10/04/10	3604.92	--	27.21	--	3577.71
MW-8 (SVE-5)	10/12/10	3604.92	--	27.29	--	3577.63
MW-8 (SVE-5)	10/19/10	3604.92	--	27.22	--	3577.70
MW-8 (SVE-5)	10/25/10	3604.92	26.97	26.98	0.01	3577.95
MW-8 (SVE-5)	11/01/10	3604.92	--	27.22	--	3577.70
MW-8 (SVE-5)	11/09/10	3604.92	--	27.31	--	3577.61
MW-8 (SVE-5)	11/22/10	3604.92	--	27.30	--	3577.62
MW-8 (SVE-5)	12/06/10	3604.92	--	27.41	--	3577.51
MW-8 (SVE-5)	12/13/10	3604.92	--	27.34	--	3577.58
MW-8 (SVE-5)	01/04/11	3604.92	--	27.54	--	3577.38
MW-8 (SVE-5)	01/10/11	3604.92	--	27.44	--	3577.48
MW-8 (SVE-5)	01/17/11	3604.92	--	27.49	--	3577.43
MW-8 (SVE-5)	01/24/11	3604.92	--	27.67	--	3577.25
MW-8 (SVE-5)	01/31/11	3604.92	--	27.56	--	3577.36
MW-8 (SVE-5)	02/07/11	3604.92	--	27.62	--	3577.30
MW-8 (SVE-5)	02/14/11	3604.92	--	27.77	--	3577.15
MW-8 (SVE-5)	03/01/11	3604.92	--	27.75	--	3577.17
MW-8 (SVE-5)	03/07/11	3604.92	--	27.87	--	3577.05
MW-8 (SVE-5)	03/21/11	3604.92	--	27.79	--	3577.13
MW-8 (SVE-5)	03/28/11	3604.92	--	27.92	--	3577.00
MW-8 (SVE-5)	04/18/11	3604.92	--	28.01	--	3576.91
MW-8 (SVE-5)	10/10/11	3604.92	--	28.31	--	3576.61
MW-8 (SVE-5)	05/30/12	3604.92	--	29.07	--	3575.85
MW-8 (SVE-5)	01/17/13	3604.92	--	29.56	--	3575.36
MW-8 (SVE-5)	01/24/13	3604.92	--	29.57	--	3575.35
MW-8 (SVE-5)	01/31/13	3604.92	--	29.56	--	3575.36
MW-8 (SVE-5)	02/07/13	3604.92	--	29.62	--	3575.30
MW-8 (SVE-5)	02/14/13	3604.92	--	29.56	--	3575.36
MW-8 (SVE-5)	02/27/13	3604.92	--	29.66	--	3575.26
MW-8 (SVE-5)	03/07/13	3604.92	--	29.69	--	3575.23
MW-8 (SVE-5)	03/14/13	3604.92	--	29.67	--	3575.25
MW-8 (SVE-5)	03/19/13	3604.92	--	29.72	--	3575.20
MW-8 (SVE-5)	04/05/13	3604.92	--	29.76	--	3575.16

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	04/10/13	3604.92	--	29.07	--	3575.85
MW-8 (SVE-5)	04/18/13	3604.92	--	29.10	--	3575.82
MW-8 (SVE-5)	04/25/13	3604.92	--	29.77	--	3575.15
MW-8 (SVE-5)	05/02/13	3604.92	--	29.83	--	3575.09
MW-8 (SVE-5)	05/09/13	3604.92	--	29.87	--	3575.05
MW-8 (SVE-5)	05/13/13	3604.92	--	29.89	--	3575.03
MW-8 (SVE-5)	05/23/13	3604.92	--	29.89	--	3575.03
MW-8 (SVE-5)	05/30/13	3604.92	--	29.93	--	3574.99
MW-8 (SVE-5)	06/07/13	3604.92	--	29.93	--	3574.99
MW-8 (SVE-5)	06/13/13	3604.92	--	30.00	--	3574.92
MW-8 (SVE-5)	06/27/13	3604.92	--	29.83	--	3575.09
MW-8 (SVE-5)	07/02/13	3604.92	--	29.86	--	3575.06
MW-8 (SVE-5)	07/11/13	3604.92	--	30.08	--	3574.84
MW-8 (SVE-5)	07/23/13	3604.92	--	30.11	--	3574.81
MW-8 (SVE-5)	08/22/13	3604.92	--	29.86	--	3575.06
MW-8 (SVE-5)	09/19/13	3604.92	--	30.24	--	3574.68
MW-8 (SVE-5)	10/03/13	3604.92	--	30.18	--	3574.74
MW-8 (SVE-5)	10/31/13	3604.92	--	30.21	--	3574.71
MW-8 (SVE-5)	11/14/13	3604.92	--	30.32	--	3574.60
MW-8 (SVE-5)	11/27/13	3604.92	--	30.35	--	3574.57
MW-8 (SVE-5)	12/11/13	3604.92	--	30.31	--	3574.61
MW-8 (SVE-5)	12/24/13	3604.92	--	30.40	--	3574.52
MW-8 (SVE-5)	01/08/14	3605.50	--	31.06	--	3574.44
MW-8 (SVE-5)	03/10/14	3605.50	--	31.16	--	3574.34
MW-8 (SVE-5)	03/25/14	3605.50	--	31.20	--	3574.30
MW-8 (SVE-5)	04/02/14	3605.50	--	31.22	--	3574.28
MW-8 (SVE-5)	04/16/14	3605.50	--	31.26	--	3574.24
MW-8 (SVE-5)	04/28/14	3605.50	--	31.26	--	3574.24
MW-8 (SVE-5)	05/15/14	3605.50	--	31.30	--	3574.20
MW-8 (SVE-5)	05/28/14	3605.50	--	31.34	--	3574.16
MW-8 (SVE-5)	06/09/14	3605.50	--	31.37	--	3574.13
MW-8 (SVE-5)	07/29/14	3605.50	--	DRY	--	DRY
MW-8 (SVE-5)	08/06/14	3605.50	--	DRY	--	DRY
MW-8 (SVE-5)	08/19/14	3605.50	--	31.48	--	3574.02
MW-8 (SVE-5)	09/03/14	3605.50	--	Dry	--	Dry
MW-8 (SVE-5)	10/01/14	3605.50	--	31.45	--	3574.05
MW-8 (SVE-5)	10/30/14	3605.50	--	31.37	--	3574.13
MW-8 (SVE-5)	11/24/14	3606.50	--	31.35	--	3575.15
MW-8 (SVE-5)	12/10/14	3606.50	--	31.32	--	3575.18
MW-8 (SVE-5)	01/08/15	3605.92	--	30.61	--	3575.31

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-8 (SVE-5)	01/20/15	3605.92	--	30.60	--	3575.32
MW-8 (SVE-5)	02/25/15	3605.92	--	30.60	--	3575.32
MW-8 (SVE-5)	03/10/15	3605.92	--	30.61	--	3575.31
MW-8 (SVE-5)	04/24/15	3605.92	--	30.79	--	3575.13
MW-8 (SVE-5)	05/15/15	3605.92	--	30.83	--	3575.09
MW-8 (SVE-5)	06/08/15	3605.92	--	30.77	--	3575.15
MW-8 (SVE-5)	07/27/15	3605.92	--	30.68	--	3575.24
MW-8 (SVE-5)	08/18/15	3605.92	--	30.65	--	3575.27
MW-8 (SVE-5)	09/29/15	3606.92	--	30.60	--	3576.32
MW-8 (SVE-5)	01/21/16	3606.92	--	30.38	--	3576.54
MW-8 (SVE-5)	02/18/16	3606.92	--	30.18	--	3576.74
MW-8 (SVE-5)	03/21/16	3606.92	--	30.15	--	3576.77
MW-8 (SVE-5)	04/14/16	3606.92	--	30.34	--	3576.58
MW-8 (SVE-5)	05/19/16	3607.92	--	30.56	--	3577.36
MW-8 (SVE-5)	07/27/16	3608.92	--	30.72	--	3578.20
MW-8 (SVE-5)	09/22/16	3608.92	--	30.70	--	3578.22
MW-8 (SVE-5)	10/13/16	3609.92	--	29.43	--	3580.49
MW-8 (SVE-5)	12/08/16	3610.92	--	29.92	--	3581.00
MW-8 (SVE-5)	03/22/17	3608.92	--	29.52	--	3579.40
MW-8 (SVE-5)	09/18/17	3608.92	--	29.94	--	3578.98
MW-9 (RW-2)	03/01/01	3605.75	23.68	26.82	3.14	3581.44
MW-9 (RW-2)	06/25/01	3605.75	24.73	24.79	0.06	3581.01
MW-9 (RW-2)	09/25/01	3605.75	25.90	26.28	0.38	3579.77
MW-9 (RW-2)	12/11/01	3605.75	25.49	28.73	3.24	3579.61
MW-9 (RW-2)	05/22/02	3605.75	26.19	27.64	1.45	3579.27
MW-9 (RW-2)	11/05/02	3605.75	25.83	29.15	3.32	3579.26
MW-9 (RW-2)	02/25/03	3605.75	26.38	28.62	2.24	3578.92
MW-9 (RW-2)	04/09/03	3605.75	26.30	28.24	1.94	3579.06
MW-9 (RW-2)	04/22/03	3605.75	26.30	28.95	2.65	3578.92
MW-9 (RW-2)	06/25/03	3605.75	27.02	29.08	2.06	3578.32
MW-9 (RW-2)	09/11/03	3605.75	27.22	29.25	2.03	3578.12
MW-9 (RW-2)	11/05/03	3605.75	27.35	29.30	1.95	3578.01
MW-9 (RW-2)	01/19/04	3605.75	28.50	29.94	1.44	3576.96
MW-9 (RW-2)	04/20/04	3605.75	28.91	29.04	0.13	3576.81
MW-9 (RW-2)	07/20/04	3605.75	28.58	30.09	1.51	3576.87
MW-9 (RW-2)	10/25/04	3605.75	27.22	27.34	0.12	3578.51
MW-9 (RW-2)	12/29/04	3605.75	26.44	26.45	0.01	3579.31
MW-9 (RW-2)	01/24/05	3605.75	--	26.23	--	3579.52
MW-9 (RW-2)	02/14/05	3605.75	--	26.13	--	3579.62

Historical Groundwater Elevation Data
Phillips 66 Company
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Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9 (RW-2)	03/02/05	3605.75	--	26.12	--	3579.63
MW-9 (RW-2)	03/08/05	3605.75	--	26.09	--	3579.66
MW-9 (RW-2)	03/23/05	3605.75	--	26.03	--	3579.72
MW-9 (RW-2)	04/18/05	3605.75	--	25.90	--	3579.85
MW-9 (RW-2)	05/09/05	3605.75	--	25.93	--	3579.82
MW-9 (RW-2)	06/10/05	3605.75	--	25.91	--	3579.84
MW-9 (RW-2)	07/18/05	3605.75	--	25.94	--	3579.81
MW-9 (RW-2)	10/17/05	3605.75	--	25.85	--	3579.90
MW-9 (RW-2)	12/28/05	3605.75	--	25.99	--	3579.76
MW-9 (RW-2)	01/23/06	3605.75	26.03	26.04	0.01	3579.72
MW-9 (RW-2)	04/24/06	3605.75	26.43	26.44	0.01	3579.32
MW-9 (RW-2)	07/24/06	3605.75	26.79	26.80	0.01	3578.96
MW-9 (RW-2)	10/23/06	3605.75	--	26.65	--	3579.10
MW-9 (RW-2)	01/23/07	3605.75	--	26.69	--	3579.06
MW-9 (RW-2)	04/23/07	3605.75	26.99	27.00	0.01	3578.76
MW-9 (RW-2)	07/23/07	3605.75	27.13	27.14	0.01	3578.62
MW-9 (RW-2)	10/22/07	3605.75	27.13	27.14	0.01	3578.62
MW-9 (RW-2)	01/28/08	3605.75	27.18	27.19	0.01	3578.57
MW-9 (RW-2)	04/21/08	3605.75	--	27.43	--	3578.32
MW-9 (RW-2)	07/21/08	3605.75	--	27.72	--	3578.03
MW-9 (RW-2)	10/20/08	3605.75	27.96	27.97	0.01	3577.79
MW-9 (RW-2)	01/19/09	3605.75	--	28.12	--	3577.63
MW-9 (RW-2)	04/20/09	3605.75	--	28.36	--	3577.39
MW-9 (RW-2)	07/27/09	3605.75	--	28.62	--	3577.13
MW-9 (RW-2)	10/26/09	3605.75	28.76	28.77	0.01	3576.99
MW-9 (RW-2)	01/25/10	3605.75	28.75	30.03	1.28	3576.74
MW-9 (RW-2)	04/26/10	3605.75	28.91	30.41	1.50	3576.54
MW-9 (RW-2)	07/26/10	3605.75	28.56	30.12	1.56	3576.88
MW-9 (RW-2)	10/25/10	3605.75	28.56	28.57	0.01	3577.19
MW-9 (RW-2)	01/24/11	3605.75	29.18	30.52	1.34	3576.30
MW-9 (RW-2)	03/01/11	3605.75	--	30.67	--	3575.08
MW-9 (RW-2)	03/01/11	3605.75	--	30.67	--	3575.08
MW-9 (RW-2)	04/04/11	3605.75	29.35	30.99	1.64	3576.07
MW-9 (RW-2)	04/05/11	3605.75	29.47	30.45	0.98	3576.08
MW-9 (RW-2)	04/11/11	3605.75	29.58	30.81	1.23	3575.92
MW-9 (RW-2)	04/18/11	3605.75	29.59	30.90	1.31	3575.90
MW-9 (RW-2)	04/25/11	3605.75	29.52	30.80	1.28	3575.97
MW-9 (RW-2)	05/02/11	3605.75	29.55	30.84	1.29	3575.94
MW-9 (RW-2)	05/03/11	3605.75	29.91	30.16	0.25	3575.79
MW-9 (RW-2)	05/09/11	3605.75	29.66	30.83	1.17	3575.86

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9 (RW-2)	05/31/11	3605.75	29.96	30.99	1.03	3575.58
MW-9 (RW-2)	06/06/11	3605.75	29.71	31.03	1.32	3575.78
MW-9 (RW-2)	10/10/11	3605.75	29.61	31.40	1.79	3575.78
MW-9 (RW-2)	05/30/12	3605.75	30.44	31.64	1.20	3575.07
MW-9 (RW-2)	02/07/13	3605.75	30.99	32.85	1.86	3574.39
MW-9 (RW-2)	03/07/13	3605.75	31.01	32.85	1.84	3574.37
MW-9 (RW-2)	03/14/13	3605.75	31.02	32.89	1.87	3574.36
MW-9 (RW-2)	03/19/13	3605.75	31.47	31.48	0.01	3574.28
MW-9 (RW-2)	04/05/13	3605.75	31.53	31.59	0.06	3574.21
MW-9 (RW-2)	04/10/13	3605.75	31.50	31.59	0.09	3574.23
MW-9 (RW-2)	04/18/13	3605.75	31.70	31.75	0.05	3574.04
MW-9 (RW-2)	04/25/13	3605.75	31.69	31.72	0.03	3574.05
MW-9 (RW-2)	05/09/13	3605.75	30.72	30.76	0.04	3575.02
MW-9 (RW-2)	05/13/13	3605.75	31.62	31.70	0.08	3574.11
MW-9 (RW-2)	05/23/13	3605.75	31.62	31.67	0.05	3574.12
MW-9 (RW-2)	05/30/13	3605.75	31.61	31.72	0.11	3574.12
MW-9 (RW-2)	06/07/13	3605.75	31.75	31.83	0.08	3573.98
MW-9 (RW-2)	06/13/13	3605.75	30.65	30.72	0.07	3575.09
MW-9 (RW-2)	06/27/13	3605.75	31.08	31.18	0.10	3574.65
MW-9 (RW-2)	07/02/13	3605.75	30.72	30.76	0.04	3575.02
MW-9 (RW-2)	07/11/13	3605.75	31.78	31.84	0.06	3573.96
MW-9 (RW-2)	07/23/13	3605.75	31.76	31.77	0.01	3573.99
MW-9 (RW-2)	08/22/13	3605.75	31.79	31.97	0.18	3573.92
MW-9 (RW-2)	09/19/13	3605.75	31.81	32.16	0.35	3573.86
MW-9 (RW-2)	10/03/13	3605.75	31.81	32.22	0.41	3573.85
MW-9 (RW-2)	10/31/13	3605.75	31.98	32.07	0.09	3573.75
MW-9 (RW-2)	11/14/13	3605.75	32.07	32.13	0.06	3573.67
MW-9 (RW-2)	11/27/13	3605.75	32.08	32.19	0.11	3573.65
MW-9 (RW-2)	12/11/13	3605.75	33.12	33.15	0.03	3572.62
MW-9 (RW-2)	12/24/13	3605.75	--	32.15	--	3573.60
MW-9 (RW-2)	01/08/14	3605.75	--	32.12	--	3573.63
MW-9 (RW-2)	03/10/14	3605.75	32.29	32.33	0.04	3573.45
MW-9 (RW-2)	03/25/14	3605.75	32.20	32.29	0.09	3573.53
MW-9 (RW-2)	04/02/14	3605.75	32.25	32.29	0.04	3573.49
MW-9 (RW-2)	04/16/14	3605.75	32.30	32.37	0.07	3573.43
MW-9 (RW-2)	04/28/14	3605.75	32.32	32.35	0.03	3573.42
MW-9 (RW-2)	05/15/14	3605.75	32.38	32.41	0.03	3573.36
MW-9 (RW-2)	05/28/14	3605.75	32.42	32.44	0.02	3573.33
MW-9 (RW-2)	06/09/14	3605.75	32.45	32.47	0.02	3573.30
MW-9 (RW-2)	07/29/14	3605.75	32.58	32.61	0.03	3573.16
MW-9 (RW-2)	08/06/14	3605.75	32.62	32.64	0.02	3573.13
MW-9 (RW-2)	08/19/14	3605.75	32.64	32.68	0.04	3573.10
MW-9 (RW-2)	09/03/14	3605.75	32.72	32.74	0.02	3573.03

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-9 (RW-2)	10/01/14	3605.75	32.47	32.48	0.01	3573.28
MW-9 (RW-2)	10/30/14	3605.75	32.41	32.42	0.01	3573.34
MW-9 (RW-2)	11/19/14	3605.75	32.43	32.45	0.02	3573.32
MW-9 (RW-2)	11/24/14	3605.75	--	32.43	--	3573.32
MW-9 (RW-2)	12/10/14	3605.75	--	32.39	--	3573.36
MW-9 (RW-2)	01/08/15	3605.75	32.36	32.37	0.01	3573.39
MW-9 (RW-2)	01/20/15	3605.75	--	32.33	--	3573.42
MW-9 (RW-2)	02/24/15	3605.75	32.34	32.36	0.02	3573.41
MW-9 (RW-2)	02/25/15	3605.75	--	32.37	--	3573.38
MW-9 (RW-2)	02/26/15	3605.75	--	32.37	--	3573.38
MW-9 (RW-2)	02/27/15	3605.75	--	32.37	--	3573.38
MW-9 (RW-2)	03/10/15	3605.75	32.35	32.36	0.01	3573.40
MW-9 (RW-2)	04/23/15	3605.75	32.43	32.46	0.03	3573.31
MW-9 (RW-2)	04/24/15	3605.75	--	32.51	--	3573.24
MW-9 (RW-2)	04/27/15	3605.75	--	32.58	--	3573.17
MW-9 (RW-2)	05/15/15	3605.75	32.55	32.58	0.03	3573.19
MW-9 (RW-2)	06/08/15	3605.75	32.51	32.55	0.04	3573.23
MW-9 (RW-2)	07/09/15	3605.75	32.44	32.48	0.04	3573.30
MW-9 (RW-2)	07/10/15	3605.75	--	32.52	--	3573.23
MW-9 (RW-2)	07/27/15	3605.75	32.43	32.45	0.02	3573.32
MW-9 (RW-2)	08/18/15	3605.75	32.41	32.43	0.02	3573.34
MW-9 (RW-2)	09/29/15	3605.75	32.41	32.42	0.01	3573.34
MW-9 (RW-2)	11/19/15	3605.75	32.21	32.24	0.03	3573.53
MW-9 (RW-2)	11/20/15	3605.75	--	32.26	--	3573.49
MW-9 (RW-2)	11/23/15	3605.75	--	32.23	--	3573.52
MW-9 (RW-2)	01/21/16	3605.75	--	32.00	--	3573.75
MW-9 (RW-2)	02/18/16	3605.75	31.95	31.96	0.01	3573.80
MW-9 (RW-2)	03/21/16	3605.75	31.97	31.99	0.02	3573.78
MW-9 (RW-2)	04/14/16	3605.75	32.01	32.02	0.01	3573.74
MW-9 (RW-2)	05/19/16	3605.75	32.14	32.17	0.03	3573.60
MW-9 (RW-2)	07/27/16	3605.75	32.50	32.54	0.04	3573.24
MW-9 (RW-2)	09/22/16	3605.75	31.94	31.95	0.01	3573.81
MW-9 (RW-2)	10/13/16	3605.75	30.87	32.22	1.35	3574.58
MW-9 (RW-2)	12/08/16	3605.75	--	31.45	--	3574.30
MW-9 (RW-2)	03/22/17	3605.75	--	36.72	--	3569.03
MW-9 (RW-2)	09/18/17	3605.75	30.74	30.75	0.01	3575.01
MW-10 (RW-6)	03/01/01	3604.94	23.53	25.57	2.04	3581.00
MW-10 (RW-6)	06/25/01	3604.94	23.75	25.95	2.20	3580.75
MW-10 (RW-6)	09/25/01	3604.94	--	24.47	--	3580.47
MW-10 (RW-6)	12/11/01	3604.94	24.27	26.31	2.04	3580.26
MW-10 (RW-6)	05/22/02	3604.94	25.00	25.50	0.50	3579.84
MW-10 (RW-6)	11/05/02	3604.94	25.33	28.84	3.51	3578.91

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	02/25/03	3604.94	25.26	28.41	3.15	3579.05
MW-10 (RW-6)	04/09/03	3604.94	25.48	28.15	2.67	3578.93
MW-10 (RW-6)	06/25/03	3604.94	25.96	27.73	1.77	3578.63
MW-10 (RW-6)	09/11/03	3604.94	26.34	28.36	2.02	3578.20
MW-10 (RW-6)	11/05/03	3604.94	26.20	28.17	1.97	3578.35
MW-10 (RW-6)	01/19/04	3604.94	26.30	28.36	2.06	3578.23
MW-10 (RW-6)	04/20/04	3604.94	26.53	28.49	1.96	3578.02
MW-10 (RW-6)	07/20/04	3604.94	26.72	28.03	1.31	3577.96
MW-10 (RW-6)	10/25/04	3604.94	25.24	26.36	1.12	3579.48
MW-10 (RW-6)	01/24/05	3604.94	24.14	24.57	0.43	3580.71
MW-10 (RW-6)	02/14/05	3604.94	23.99	24.96	0.97	3580.76
MW-10 (RW-6)	03/02/05	3604.94	24.00	24.64	0.64	3580.81
MW-10 (RW-6)	03/08/05	3604.94	23.97	24.61	0.64	3580.84
MW-10 (RW-6)	03/23/05	3604.94	23.91	24.58	0.67	3580.90
MW-10 (RW-6)	04/18/05	3604.94	23.77	24.47	0.70	3581.03
MW-10 (RW-6)	05/09/05	3604.94	23.82	24.51	0.69	3580.98
MW-10 (RW-6)	06/10/05	3604.94	23.81	24.50	0.69	3580.99
MW-10 (RW-6)	07/18/05	3604.94	23.90	24.51	0.61	3580.92
MW-10 (RW-6)	10/17/05	3604.94	23.89	24.32	0.43	3580.96
MW-10 (RW-6)	11/29/05	3604.94	24.08	24.22	0.14	3580.83
MW-10 (RW-6)	12/06/05	3604.94	24.08	24.37	0.29	3580.80
MW-10 (RW-6)	12/12/05	3604.94	24.11	24.44	0.33	3580.76
MW-10 (RW-6)	12/21/05	3604.94	24.11	24.46	0.35	3580.76
MW-10 (RW-6)	12/28/05	3604.94	24.12	24.49	0.37	3580.75
MW-10 (RW-6)	01/04/06	3604.94	24.11	24.47	0.36	3580.76
MW-10 (RW-6)	01/10/06	3604.94	24.12	24.49	0.37	3580.75
MW-10 (RW-6)	01/16/06	3604.94	24.02	24.48	0.46	3580.83
MW-10 (RW-6)	01/23/06	3604.94	23.99	24.42	0.43	3580.86
MW-10 (RW-6)	02/01/06	3604.94	24.12	24.44	0.32	3580.76
MW-10 (RW-6)	02/16/06	3604.94	24.24	24.52	0.28	3580.64
MW-10 (RW-6)	03/06/06	3604.94	24.33	24.62	0.29	3580.55
MW-10 (RW-6)	03/29/06	3604.94	24.42	24.72	0.30	3580.46
MW-10 (RW-6)	04/04/06	3604.94	24.45	24.73	0.28	3580.43
MW-10 (RW-6)	04/11/06	3604.94	24.49	24.76	0.27	3580.40
MW-10 (RW-6)	04/17/06	3604.94	24.53	24.77	0.24	3580.36
MW-10 (RW-6)	04/24/06	3604.94	24.47	24.66	0.19	3580.43
MW-10 (RW-6)	05/03/06	3604.94	24.62	24.66	0.04	3580.31
MW-10 (RW-6)	05/31/06	3604.94	24.76	24.80	0.04	3580.17
MW-10 (RW-6)	06/09/06	3604.94	24.80	24.84	0.04	3580.13
MW-10 (RW-6)	06/12/06	3604.94	24.81	24.85	0.04	3580.12
MW-10 (RW-6)	06/26/06	3604.94	24.88	24.96	0.08	3580.04
MW-10 (RW-6)	07/05/06	3604.94	24.93	25.02	0.09	3579.99
MW-10 (RW-6)	07/10/06	3604.94	24.95	25.04	0.09	3579.97

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	07/17/06	3604.94	24.97	25.06	0.09	3579.95
MW-10 (RW-6)	07/24/06	3604.94	24.87	24.99	0.12	3580.05
MW-10 (RW-6)	08/02/06	3604.94	25.06	25.14	0.08	3579.86
MW-10 (RW-6)	08/14/06	3604.94	25.07	25.08	0.01	3579.87
MW-10 (RW-6)	08/28/06	3604.94	25.14	25.27	0.13	3579.77
MW-10 (RW-6)	09/14/06	3604.94	25.05	25.16	0.11	3579.87
MW-10 (RW-6)	09/21/06	3604.94	25.02	25.08	0.06	3579.91
MW-10 (RW-6)	09/25/06	3604.94	25.03	25.08	0.05	3579.90
MW-10 (RW-6)	10/02/06	3604.94	24.98	25.02	0.04	3579.95
MW-10 (RW-6)	10/10/06	3604.94	24.98	25.01	0.03	3579.95
MW-10 (RW-6)	10/16/06	3604.94	24.97	25.01	0.04	3579.96
MW-10 (RW-6)	10/23/06	3604.94	24.75	24.80	0.05	3580.18
MW-10 (RW-6)	10/30/06	3604.94	24.92	24.96	0.04	3580.01
MW-10 (RW-6)	11/06/06	3604.94	24.93	24.97	0.04	3580.00
MW-10 (RW-6)	11/21/06	3604.94	24.91	24.97	0.06	3580.02
MW-10 (RW-6)	11/28/06	3604.94	24.92	24.96	0.04	3580.01
MW-10 (RW-6)	12/05/06	3604.94	24.91	24.96	0.05	3580.02
MW-10 (RW-6)	12/11/06	3604.94	24.89	24.94	0.05	3580.04
MW-10 (RW-6)	12/18/06	3604.94	24.89	24.98	0.09	3580.03
MW-10 (RW-6)	01/02/07	3604.94	24.97	25.07	0.10	3579.95
MW-10 (RW-6)	01/08/07	3604.94	25.01	25.09	0.08	3579.91
MW-10 (RW-6)	01/23/07	3604.94	24.77	24.82	0.05	3580.16
MW-10 (RW-6)	02/05/07	3604.94	25.08	25.20	0.12	3579.84
MW-10 (RW-6)	02/26/07	3604.94	25.14	25.29	0.15	3579.77
MW-10 (RW-6)	03/05/07	3604.94	25.18	25.32	0.14	3579.73
MW-10 (RW-6)	03/13/07	3604.94	25.20	25.33	0.13	3579.71
MW-10 (RW-6)	03/19/07	3604.94	25.24	25.37	0.13	3579.67
MW-10 (RW-6)	03/26/07	3604.94	25.24	25.36	0.12	3579.68
MW-10 (RW-6)	04/02/07	3604.94	25.27	25.40	0.13	3579.64
MW-10 (RW-6)	04/23/07	3604.94	25.09	25.23	0.14	3579.82
MW-10 (RW-6)	05/01/07	3604.94	25.36	25.47	0.11	3579.56
MW-10 (RW-6)	05/29/07	3604.94	25.42	25.53	0.11	3579.50
MW-10 (RW-6)	06/04/07	3604.94	25.43	25.52	0.09	3579.49
MW-10 (RW-6)	06/11/07	3604.94	25.44	25.52	0.08	3579.48
MW-10 (RW-6)	06/18/07	3604.94	25.43	25.52	0.09	3579.49
MW-10 (RW-6)	06/26/07	3604.94	25.18	25.24	0.06	3579.75
MW-10 (RW-6)	07/09/07	3604.94	25.20	25.26	0.06	3579.73
MW-10 (RW-6)	07/17/07	3604.94	25.23	25.28	0.05	3579.70
MW-10 (RW-6)	07/23/07	3604.94	25.18	25.28	0.10	3579.74
MW-10 (RW-6)	07/30/07	3604.94	25.22	25.27	0.05	3579.71
MW-10 (RW-6)	08/07/07	3604.94	25.24	25.28	0.04	3579.69
MW-10 (RW-6)	08/20/07	3604.94	25.24	25.34	0.10	3579.68
MW-10 (RW-6)	08/27/07	3604.94	25.28	25.36	0.08	3579.64

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	09/04/07	3604.94	25.31	25.35	0.04	3579.62
MW-10 (RW-6)	09/10/07	3604.94	25.29	25.33	0.04	3579.64
MW-10 (RW-6)	09/25/07	3604.94	25.35	25.37	0.02	3579.59
MW-10 (RW-6)	10/02/07	3604.94	25.35	25.38	0.03	3579.58
MW-10 (RW-6)	10/11/07	3604.94	25.28	25.31	0.03	3579.65
MW-10 (RW-6)	10/22/07	3604.94	25.17	25.23	0.06	3579.76
MW-10 (RW-6)	10/31/07	3604.94	25.30	25.31	0.01	3579.64
MW-10 (RW-6)	11/12/07	3604.94	25.26	25.27	0.01	3579.68
MW-10 (RW-6)	11/19/07	3604.94	25.30	25.31	0.01	3579.64
MW-10 (RW-6)	12/05/07	3604.94	25.29	25.31	0.02	3579.65
MW-10 (RW-6)	12/10/07	3604.94	25.32	25.35	0.03	3579.61
MW-10 (RW-6)	12/20/07	3604.94	25.35	25.37	0.02	3579.59
MW-10 (RW-6)	01/02/08	3604.94	25.43	25.44	0.01	3579.51
MW-10 (RW-6)	01/07/08	3604.94	25.43	25.50	0.07	3579.50
MW-10 (RW-6)	01/28/08	3604.94	25.26	25.36	0.10	3579.66
MW-10 (RW-6)	02/12/08	3604.94	25.56	25.58	0.02	3579.38
MW-10 (RW-6)	02/26/08	3604.94	25.60	25.63	0.03	3579.33
MW-10 (RW-6)	04/21/08	3604.94	25.50	25.51	0.01	3579.44
MW-10 (RW-6)	04/28/08	3604.94	25.77	25.80	0.03	3579.16
MW-10 (RW-6)	05/20/08	3604.94	25.81	25.83	0.02	3579.13
MW-10 (RW-6)	06/02/08	3604.94	25.85	25.86	0.01	3579.09
MW-10 (RW-6)	06/09/08	3604.94	25.87	25.88	0.01	3579.07
MW-10 (RW-6)	06/16/08	3604.94	25.96	25.97	0.01	3578.98
MW-10 (RW-6)	06/30/08	3604.94	25.99	26.00	0.01	3578.95
MW-10 (RW-6)	07/14/08	3604.94	26.06	26.07	0.01	3578.88
MW-10 (RW-6)	07/21/08	3604.94	--	25.81	--	3579.13
MW-10 (RW-6)	08/06/08	3604.94	--	26.30	--	3578.64
MW-10 (RW-6)	08/18/08	3604.94	--	26.36	--	3578.58
MW-10 (RW-6)	09/09/08	3604.94	--	26.35	--	3578.59
MW-10 (RW-6)	09/15/08	3604.94	26.29	26.30	0.01	3578.65
MW-10 (RW-6)	09/22/08	3604.94	--	26.40	--	3578.54
MW-10 (RW-6)	09/29/08	3604.94	--	26.45	--	3578.49
MW-10 (RW-6)	10/07/08	3604.94	--	26.51	--	3578.43
MW-10 (RW-6)	10/20/08	3604.94	26.24	26.28	0.04	3578.69
MW-10 (RW-6)	10/28/08	3604.94	--	26.54	--	3578.40
MW-10 (RW-6)	11/10/08	3604.94	--	26.51	--	3578.43
MW-10 (RW-6)	11/24/08	3604.94	--	26.50	--	3578.44
MW-10 (RW-6)	12/01/08	3604.94	--	26.49	--	3578.45
MW-10 (RW-6)	12/08/08	3604.94	--	26.53	--	3578.41
MW-10 (RW-6)	12/24/08	3604.94	--	26.52	--	3578.42
MW-10 (RW-6)	12/29/08	3604.94	--	26.56	--	3578.38
MW-10 (RW-6)	01/06/09	3604.94	--	26.63	--	3578.31
MW-10 (RW-6)	01/14/09	3604.94	--	26.48	--	3578.46

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	01/19/09	3604.94	--	26.33	--	3578.61
MW-10 (RW-6)	01/26/09	3604.94	--	26.61	--	3578.33
MW-10 (RW-6)	02/10/09	3604.94	--	26.70	--	3578.24
MW-10 (RW-6)	02/26/09	3604.94	--	26.72	--	3578.22
MW-10 (RW-6)	03/02/09	3604.94	--	26.66	--	3578.28
MW-10 (RW-6)	03/09/09	3604.94	--	26.73	--	3578.21
MW-10 (RW-6)	03/16/09	3604.94	--	26.74	--	3578.20
MW-10 (RW-6)	03/24/09	3604.94	--	26.76	--	3578.18
MW-10 (RW-6)	03/30/09	3604.94	--	26.66	--	3578.28
MW-10 (RW-6)	04/06/09	3604.94	--	26.80	--	3578.14
MW-10 (RW-6)	04/14/09	3604.94	--	26.64	--	3578.30
MW-10 (RW-6)	04/20/09	3604.94	26.56	26.57	0.01	3578.38
MW-10 (RW-6)	04/28/09	3604.94	--	26.68	--	3578.26
MW-10 (RW-6)	05/11/09	3604.94	--	26.81	--	3578.13
MW-10 (RW-6)	05/26/09	3604.94	--	26.73	--	3578.21
MW-10 (RW-6)	06/01/09	3604.94	--	26.86	--	3578.08
MW-10 (RW-6)	06/09/09	3604.94	--	26.70	--	3578.24
MW-10 (RW-6)	06/15/09	3604.94	--	26.90	--	3578.04
MW-10 (RW-6)	06/29/09	3604.94	--	26.78	--	3578.16
MW-10 (RW-6)	07/06/09	3604.94	--	26.80	--	3578.14
MW-10 (RW-6)	07/14/09	3604.94	--	26.98	--	3577.96
MW-10 (RW-6)	07/20/09	3604.94	--	26.84	--	3578.10
MW-10 (RW-6)	07/27/09	3604.94	--	26.87	--	3578.07
MW-10 (RW-6)	08/03/09	3604.94	--	27.02	--	3577.92
MW-10 (RW-6)	08/12/09	3604.94	--	27.05	--	3577.89
MW-10 (RW-6)	08/24/09	3604.94	--	26.95	--	3577.99
MW-10 (RW-6)	08/31/09	3604.94	--	27.05	--	3577.89
MW-10 (RW-6)	09/08/09	3604.94	--	26.92	--	3578.02
MW-10 (RW-6)	09/16/09	3604.94	--	27.04	--	3577.90
MW-10 (RW-6)	09/28/09	3604.94	--	26.88	--	3578.06
MW-10 (RW-6)	10/05/09	3604.94	--	27.07	--	3577.87
MW-10 (RW-6)	10/12/09	3604.94	--	27.06	--	3577.88
MW-10 (RW-6)	10/26/09	3604.94	26.99	27.00	0.01	3577.95
MW-10 (RW-6)	11/03/09	3604.94	--	26.93	--	3578.01
MW-10 (RW-6)	11/10/09	3604.94	--	27.08	--	3577.86
MW-10 (RW-6)	11/23/09	3604.94	--	27.03	--	3577.91
MW-10 (RW-6)	11/30/09	3604.94	--	27.17	--	3577.77
MW-10 (RW-6)	12/07/09	3604.94	--	27.08	--	3577.86
MW-10 (RW-6)	12/22/09	3604.94	--	27.24	--	3577.70
MW-10 (RW-6)	01/04/10	3604.94	--	27.14	--	3577.80
MW-10 (RW-6)	01/11/10	3604.94	--	27.30	--	3577.64
MW-10 (RW-6)	01/18/10	3604.94	--	27.12	--	3577.82
MW-10 (RW-6)	01/25/10	3604.94	--	27.21	--	3577.73

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	02/01/10	3604.94	--	27.29	--	3577.65
MW-10 (RW-6)	02/08/10	3604.94	--	27.25	--	3577.69
MW-10 (RW-6)	02/22/10	3604.94	--	27.44	--	3577.50
MW-10 (RW-6)	02/01/10	3604.94	--	27.34	--	3577.60
MW-10 (RW-6)	03/08/10	3604.94	--	27.46	--	3577.48
MW-10 (RW-6)	03/22/10	3604.94	--	27.50	--	3577.44
MW-10 (RW-6)	03/29/10	3604.94	--	27.35	--	3577.59
MW-10 (RW-6)	04/05/10	3604.94	--	27.53	--	3577.41
MW-10 (RW-6)	04/13/10	3604.94	--	27.36	--	3577.58
MW-10 (RW-6)	04/19/10	3604.94	--	27.57	--	3577.37
MW-10 (RW-6)	04/26/10	3604.94	--	27.39	--	3577.55
MW-10 (RW-6)	05/03/10	3604.94	--	27.72	--	3577.22
MW-10 (RW-6)	05/14/10	3604.94	--	27.75	--	3577.19
MW-10 (RW-6)	05/20/10	3604.94	--	27.62	--	3577.32
MW-10 (RW-6)	05/27/10	3604.94	--	27.23	--	3577.71
MW-10 (RW-6)	06/01/10	3604.94	--	27.67	--	3577.27
MW-10 (RW-6)	06/07/10	3604.94	--	27.57	--	3577.37
MW-10 (RW-6)	06/15/10	3604.94	--	27.81	--	3577.13
MW-10 (RW-6)	06/28/10	3604.94	--	27.60	--	3577.34
MW-10 (RW-6)	07/06/10	3604.94	--	27.45	--	3577.49
MW-10 (RW-6)	07/13/10	3604.94	--	27.41	--	3577.53
MW-10 (RW-6)	07/19/10	3604.94	--	27.49	--	3577.45
MW-10 (RW-6)	07/26/10	3604.94	--	27.15	--	3577.79
MW-10 (RW-6)	08/09/10	3604.94	--	27.32	--	3577.62
MW-10 (RW-6)	08/16/10	3604.94	--	27.23	--	3577.71
MW-10 (RW-6)	08/30/10	3604.94	--	27.24	--	3577.70
MW-10 (RW-6)	09/07/10	3604.94	--	27.13	--	3577.81
MW-10 (RW-6)	09/13/10	3604.94	--	27.19	--	3577.75
MW-10 (RW-6)	09/20/10	3604.94	--	27.07	--	3577.87
MW-10 (RW-6)	09/27/10	3604.94	--	27.18	--	3577.76
MW-10 (RW-6)	10/04/10	3604.94	--	27.09	--	3577.85
MW-10 (RW-6)	10/12/10	3604.94	--	27.20	--	3577.74
MW-10 (RW-6)	10/19/10	3604.94	--	27.09	--	3577.85
MW-10 (RW-6)	10/25/10	3604.94	26.91	26.92	0.01	3578.03
MW-10 (RW-6)	11/01/10	3604.94	--	27.17	--	3577.77
MW-10 (RW-6)	11/09/10	3604.94	--	27.22	--	3577.72
MW-10 (RW-6)	11/22/10	3604.94	--	27.17	--	3577.77
MW-10 (RW-6)	12/06/10	3604.94	--	27.30	--	3577.64
MW-10 (RW-6)	12/13/10	3604.94	--	27.21	--	3577.73
MW-10 (RW-6)	01/04/11	3604.94	--	27.45	--	3577.49
MW-10 (RW-6)	01/10/11	3604.94	--	27.30	--	3577.64
MW-10 (RW-6)	01/17/11	3604.94	--	27.36	--	3577.58
MW-10 (RW-6)	01/24/11	3604.94	--	27.58	--	3577.36

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	01/31/11	3604.94	--	27.43	--	3577.51
MW-10 (RW-6)	02/07/11	3604.94	--	27.47	--	3577.47
MW-10 (RW-6)	02/14/11	3604.94	--	27.66	--	3577.28
MW-10 (RW-6)	03/01/11	3604.94	--	27.79	--	3577.15
MW-10 (RW-6)	03/07/11	3604.94	--	27.75	--	3577.19
MW-10 (RW-6)	03/21/11	3604.94	--	27.66	--	3577.28
MW-10 (RW-6)	03/28/11	3604.94	--	27.80	--	3577.14
MW-10 (RW-6)	04/18/11	3604.94	--	27.98	--	3576.96
MW-10 (RW-6)	10/10/11	3604.94	--	28.23	--	3576.71
MW-10 (RW-6)	05/30/12	3604.94	--	28.97	--	3575.97
MW-10 (RW-6)	01/17/13	3604.94	--	29.45	--	3575.49
MW-10 (RW-6)	01/24/13	3604.94	--	29.46	--	3575.48
MW-10 (RW-6)	01/31/13	3604.94	--	29.46	--	3575.48
MW-10 (RW-6)	02/07/13	3604.94	--	29.52	--	3575.42
MW-10 (RW-6)	02/14/13	3604.94	--	29.46	--	3575.48
MW-10 (RW-6)	02/27/13	3604.94	--	29.56	--	3575.38
MW-10 (RW-6)	03/07/13	3604.94	--	29.58	--	3575.36
MW-10 (RW-6)	03/14/13	3604.94	--	29.54	--	3575.40
MW-10 (RW-6)	03/19/13	3604.94	--	29.60	--	3575.34
MW-10 (RW-6)	04/05/13	3604.94	--	29.62	--	3575.32
MW-10 (RW-6)	04/10/13	3604.94	--	28.75	--	3576.19
MW-10 (RW-6)	04/18/13	3604.94	--	28.46	--	3576.48
MW-10 (RW-6)	04/25/13	3604.94	--	29.60	--	3575.34
MW-10 (RW-6)	05/02/13	3604.94	--	29.68	--	3575.26
MW-10 (RW-6)	05/09/13	3604.94	--	29.66	--	3575.28
MW-10 (RW-6)	05/13/13	3604.94	--	29.70	--	3575.24
MW-10 (RW-6)	05/23/13	3604.94	--	29.73	--	3575.21
MW-10 (RW-6)	05/30/13	3604.94	--	29.76	--	3575.18
MW-10 (RW-6)	06/07/13	3604.94	--	29.73	--	3575.21
MW-10 (RW-6)	06/13/13	3604.94	--	29.87	--	3575.07
MW-10 (RW-6)	06/27/13	3604.94	--	29.80	--	3575.14
MW-10 (RW-6)	07/02/13	3604.94	--	29.75	--	3575.19
MW-10 (RW-6)	07/11/13	3604.94	--	29.94	--	3575.00
MW-10 (RW-6)	07/23/13	3604.94	--	29.97	--	3574.97
MW-10 (RW-6)	08/22/13	3604.94	--	30.07	--	3574.87
MW-10 (RW-6)	09/19/13	3604.94	--	30.08	--	3574.86
MW-10 (RW-6)	10/03/13	3604.94	--	30.09	--	3574.85
MW-10 (RW-6)	10/31/13	3604.94	--	30.13	--	3574.81
MW-10 (RW-6)	11/14/13	3604.94	--	30.21	--	3574.73
MW-10 (RW-6)	11/27/13	3604.94	--	30.25	--	3574.69
MW-10 (RW-6)	12/11/13	3604.94	--	30.23	--	3574.71
MW-10 (RW-6)	12/24/13	3604.94	--	30.28	--	3574.66
MW-10 (RW-6)	01/08/14	3604.94	--	30.25	--	3574.69

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-10 (RW-6)	03/10/14	3604.94	--	30.43	--	3574.51
MW-10 (RW-6)	03/25/14	3604.94	--	30.47	--	3574.47
MW-10 (RW-6)	04/02/14	3604.94	--	30.49	--	3574.45
MW-10 (RW-6)	04/16/14	3604.94	--	30.55	--	3574.39
MW-10 (RW-6)	04/28/14	3604.94	--	30.55	--	3574.39
MW-10 (RW-6)	05/15/14	3604.94	--	30.60	--	3574.34
MW-10 (RW-6)	05/28/14	3604.94	--	30.64	--	3574.30
MW-10 (RW-6)	06/09/14	3604.94	--	30.68	--	3574.26
MW-10 (RW-6)	07/29/14	3604.94	--	30.82	--	3574.12
MW-10 (RW-6)	08/06/14	3604.94	--	30.86	--	3574.08
MW-10 (RW-6)	08/19/14	3604.94	--	30.88	--	3574.06
MW-10 (RW-6)	09/03/14	3604.94	--	DRY	--	DRY
MW-10 (RW-6)	10/01/14	3604.94	--	30.80	--	3574.14
MW-10 (RW-6)	10/30/14	3604.94	--	30.77	--	3574.17
MW-10 (RW-6)	11/24/14	3605.94	--	30.64	--	3575.30
MW-10 (RW-6)	12/10/14	3605.94	--	30.61	--	3575.33
MW-10 (RW-6)	01/08/15	3605.94	--	30.53	--	3575.41
MW-10 (RW-6)	01/20/15	3605.94	--	30.52	--	3575.42
MW-10 (RW-6)	02/25/15	3605.94	--	30.54	--	3575.40
MW-10 (RW-6)	03/10/15	3605.94	--	30.55	--	3575.39
MW-10 (RW-6)	04/24/15	3605.94	--	30.72	--	3575.22
MW-10 (RW-6)	05/15/15	3605.94	--	DRY	--	DRY
MW-10 (RW-6)	06/08/15	3605.94	30.70	30.71	0.01	3575.24
MW-10 (RW-6)	07/27/15	3605.94	--	30.65	--	3575.29
MW-10 (RW-6)	08/18/15	3605.94	--	DRY	--	DRY
MW-10 (RW-6)	08/19/15	3606.94	--	30.41	--	3576.53
MW-10 (RW-6)	09/29/15	3606.94	--	30.63	--	3576.31
MW-10 (RW-6)	01/21/16	3606.94	--	30.20	--	3576.74
MW-10 (RW-6)	02/18/16	3606.94	--	30.22	--	3576.72
MW-10 (RW-6)	03/21/16	3606.94	--	30.26	--	3576.68
MW-10 (RW-6)	04/14/16	3606.94	--	30.21	--	3576.73
MW-10 (RW-6)	05/19/16	3607.94	--	30.33	--	3577.61
MW-10 (RW-6)	07/27/16	3608.94	--	30.68	--	3578.26
MW-10 (RW-6)	09/22/16	3608.94	--	30.35	--	3578.59
MW-10 (RW-6)	10/13/16	3609.94	--	29.32	--	3580.62
MW-10 (RW-6)	12/08/16	3610.94	--	29.70	--	3581.24
MW-10 (RW-6)	03/22/17	3608.94	--	29.50	--	3579.44
MW-10 (RW-6)	09/18/17	3608.94	--	29.93	--	3579.01
MW-11 (RW-7)	03/01/01	3608.06	--	27.09	--	3580.97
MW-11 (RW-7)	06/25/01	3608.06	--	27.30	--	3580.76
MW-11 (RW-7)	09/25/01	3608.06	27.51	28.26	0.75	3580.40
MW-11 (RW-7)	12/11/01	3608.06	27.50	28.36	0.86	3580.39

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-11 (RW-7)	05/21/02	3608.06	27.60	29.67	2.07	3580.05
MW-11 (RW-7)	06/16/02	3608.06	28.48	30.95	2.47	3579.09
MW-11 (RW-7)	10/25/02	3608.06	27.90	30.73	2.83	3579.59
MW-11 (RW-7)	11/04/02	3608.06	27.95	30.81	2.86	3579.54
MW-11 (RW-7)	11/05/02	3608.06	27.92	30.97	3.05	3579.53
MW-11 (RW-7)	02/24/03	3608.06	28.97	30.96	1.99	3578.69
MW-11 (RW-7)	11/05/02	3608.06	29.83	30.57	0.74	3578.08
MW-11 (RW-7)	02/25/03	3608.06	28.71	30.90	2.19	3578.91
MW-11 (RW-7)	04/09/03	3608.06	28.97	30.96	1.99	3578.69
MW-11 (RW-7)	09/11/03	3608.06	29.06	30.74	1.68	3578.66
MW-11 (RW-7)	11/05/03	3608.06	29.82	31.25	1.43	3577.95
MW-11 (RW-7)	01/19/04	3608.06	30.23	30.94	0.71	3577.69
MW-11 (RW-7)	04/20/04	3608.06	30.48	30.53	0.05	3577.57
MW-11 (RW-7)	07/20/04	3608.06	30.33	31.16	0.83	3577.56
MW-11 (RW-7)	10/25/04	3608.06	--	29.10	--	3578.96
MW-11 (RW-7)	01/24/05	3608.06	28.03	28.04	0.01	3580.03
MW-11 (RW-7)	04/18/05	3608.06	27.73	27.75	0.02	3580.33
MW-11 (RW-7)	07/18/05	3608.06	27.99	28.00	0.01	3580.07
MW-11 (RW-7)	10/17/05	3608.06	27.89	27.90	0.01	3580.17
MW-11 (RW-7)	12/28/05	3608.06	28.04	28.06	0.02	3580.02
MW-11 (RW-7)	01/10/06	3608.06	28.09	28.10	0.01	3579.97
MW-11 (RW-7)	01/23/06	3608.06	28.03	28.05	0.02	3580.03
MW-11 (RW-7)	04/24/06	3608.06	28.40	28.44	0.04	3579.65
MW-11 (RW-7)	07/24/06	3608.06	28.75	28.90	0.15	3579.28
MW-11 (RW-7)	10/23/06	3608.06	28.65	28.74	0.09	3579.39
MW-11 (RW-7)	01/23/07	3608.06	28.74	28.75	0.01	3579.32
MW-11 (RW-7)	04/23/07	3608.06	28.99	29.11	0.12	3579.05
MW-11 (RW-7)	07/23/07	3608.06	29.13	29.16	0.03	3578.92
MW-11 (RW-7)	10/22/07	3608.06	29.16	29.18	0.02	3578.90
MW-11 (RW-7)	01/28/08	3608.06	29.20	29.22	0.02	3578.86
MW-11 (RW-7)	04/21/08	3608.06	--	29.44	--	3578.62
MW-11 (RW-7)	07/21/08	3608.06	--	29.73	--	3578.33
MW-11 (RW-7)	10/20/08	3608.06	--	29.95	--	3578.11
MW-11 (RW-7)	01/19/09	3608.06	--	30.04	--	3578.02
MW-11 (RW-7)	04/20/09	3608.06	30.38	30.39	0.01	3577.68
MW-11 (RW-7)	07/27/09	3608.06	--	30.64	--	3577.42
MW-11 (RW-7)	10/26/09	3608.06	--	30.77	--	3577.29
MW-11 (RW-7)	01/25/10	3608.06	--	31.00	--	3577.06
MW-11 (RW-7)	04/26/10	3608.06	--	31.16	--	3576.90
MW-11 (RW-7)	07/26/10	3608.06	--	30.95	--	3577.11
MW-11 (RW-7)	10/25/10	3608.06	--	30.76	--	3577.30
MW-11 (RW-7)	01/24/11	3608.06	--	31.36	--	3576.70
MW-11 (RW-7)	04/18/11	3608.06	--	31.35	--	3576.71

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-11 (RW-7)	10/10/11	3608.06	--	31.86	--	3576.20
MW-11 (RW-7)	05/30/12	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	02/27/13	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	07/23/13	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	03/25/14	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	07/29/14	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	03/10/15	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	07/27/15	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	03/21/16	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	09/22/16	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	03/22/17	3608.06	--	DRY	--	DRY
MW-11 (RW-7)	09/18/17	3608.06	--	DRY	--	DRY
MW-12 (SVE-9)	03/01/01	3604.40	--	23.87	--	3580.53
MW-12 (SVE-9)	06/25/01	3604.40	--	24.14	--	3580.26
MW-12 (SVE-9)	09/25/01	3604.40	--	24.38	--	3580.02
MW-12 (SVE-9)	12/11/01	3604.40	--	24.62	--	3579.78
MW-12 (SVE-9)	05/21/02	3604.40	--	24.96	--	3579.44
MW-12 (SVE-9)	06/08/02	3604.40	--	25.64	--	3578.76
MW-12 (SVE-9)	06/15/02	3604.40	--	25.64	--	3578.76
MW-12 (SVE-9)	10/25/02	3604.14	--	25.83	--	3578.31
MW-12 (SVE-9)	10/26/02	3604.14	--	25.84	--	3578.30
MW-12 (SVE-9)	11/04/02	3604.14	--	25.66	--	3578.48
MW-12 (SVE-9)	11/05/02	3604.14	--	25.54	--	3578.60
MW-12 (SVE-9)	12/16/02	3604.14	--	25.52	--	3578.62
MW-12 (SVE-9)	01/22/03	3604.14	--	25.50	--	3578.64
MW-12 (SVE-9)	04/24/03	3604.14	--	25.58	--	3578.56
MW-12 (SVE-9)	09/11/03	3604.14	--	26.08	--	3578.06
MW-12 (SVE-9)	10/15/03	3604.14	--	26.33	--	3577.81
MW-12 (SVE-9)	01/19/04	3604.14	--	26.68	--	3577.46
MW-12 (SVE-9)	04/19/04	3604.14	--	26.57	--	3577.57
MW-12 (SVE-9)	07/20/04	3604.14	--	26.72	--	3577.42
MW-12 (SVE-9)	10/25/04	3604.14	--	25.07	--	3579.07
MW-12 (SVE-9)	01/24/05	3604.14	--	23.85	--	3580.29
MW-12 (SVE-9)	04/18/05	3604.14	--	23.55	--	3580.59
MW-12 (SVE-9)	07/18/05	3604.14	--	23.71	--	3580.43
MW-12 (SVE-9)	10/17/05	3604.14	--	23.65	--	3580.49
MW-12 (SVE-9)	01/10/06	3604.14	--	23.86	--	3580.28
MW-12 (SVE-9)	01/23/06	3604.14	--	23.89	--	3580.25
MW-12 (SVE-9)	04/24/06	3604.14	--	24.31	--	3579.83
MW-12 (SVE-9)	07/24/06	3604.14	--	24.70	--	3579.44
MW-12 (SVE-9)	10/23/06	3604.14	--	24.55	--	3579.59
MW-12 (SVE-9)	01/23/07	3604.14	--	24.60	--	3579.54

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-12 (SVE-9)	04/23/07	3604.14	--	24.92	--	3579.22
MW-12 (SVE-9)	07/23/07	3604.14	--	25.02	--	3579.12
MW-12 (SVE-9)	10/22/07	3604.14	--	24.98	--	3579.16
MW-12 (SVE-9)	01/28/08	3604.14	--	25.09	--	3579.05
MW-12 (SVE-9)	04/21/08	3604.14	--	25.36	--	3578.78
MW-12 (SVE-9)	07/21/08	3604.14	--	25.70	--	3578.44
MW-12 (SVE-9)	10/20/08	3604.14	--	25.94	--	3578.20
MW-12 (SVE-9)	01/19/09	3604.14	--	26.00	--	3578.14
MW-12 (SVE-9)	04/20/09	3604.14	--	26.28	--	3577.86
MW-12 (SVE-9)	07/27/09	3604.14	--	26.60	--	3577.54
MW-12 (SVE-9)	10/26/09	3604.14	--	26.61	--	3577.53
MW-12 (SVE-9)	01/25/10	3604.14	--	26.59	--	3577.55
MW-12 (SVE-9)	04/26/10	3604.14	--	27.02	--	3577.12
MW-12 (SVE-9)	07/26/10	3604.14	--	26.76	--	3577.38
MW-12 (SVE-9)	10/25/10	3604.14	--	26.51	--	3577.63
MW-12 (SVE-9)	01/24/11	3604.14	--	26.94	--	3577.20
MW-12 (SVE-9)	04/18/11	3604.14	--	27.35	--	3576.79
MW-12 (SVE-9)	10/10/11	3604.14	--	27.89	--	3576.25
MW-12 (SVE-9)	05/30/12	3604.14	--	28.63	--	3575.51
MW-12 (SVE-9)	02/27/13	3604.14	--	29.26	--	3574.88
MW-12 (SVE-9)	07/23/13	3604.14	--	29.69	--	3574.45
MW-12 (SVE-9)	03/25/14	3604.14	--	30.13	--	3574.01
MW-12 (SVE-9)	07/29/14	3604.14	--	30.51	--	3573.63
MW-12 (SVE-9)	03/10/15	3604.14	--	30.17	--	3573.97
MW-12 (SVE-9)	07/27/15	3604.14	--	30.27	--	3573.87
MW-12 (SVE-9)	03/21/16	3604.14	--	29.73	--	3574.41
MW-12 (SVE-9)	09/22/16	3604.14	--	30.01	--	3574.13
MW-12 (SVE-9)	03/22/17	3604.14	--	29.52	--	3574.62
MW-12 (SVE-9)	09/18/17	3604.14	--	29.62	--	3574.52
MW-13	03/01/01	3604.31	--	24.70	--	3579.61
MW-13	06/25/01	3604.31	--	24.95	--	3579.36
MW-13	09/25/01	3604.31	--	25.23	--	3579.08
MW-13	12/11/01	3604.31	--	25.48	--	3578.83
MW-13	05/21/02	3604.31	--	25.79	--	3578.52
MW-13	06/15/02	3604.31	--	25.85	--	3578.46
MW-13	09/20/02	3604.31	--	25.97	--	3578.34
MW-13	10/15/02	3604.31	--	26.11	--	3578.20
MW-13	10/22/02	3604.31	--	26.11	--	3578.20
MW-13	10/25/02	3604.31	--	26.13	--	3578.18
MW-13	10/26/02	3604.31	--	26.12	--	3578.19
MW-13	11/04/02	3604.31	--	26.05	--	3578.26
MW-13	11/05/02	3604.31	--	26.06	--	3578.25

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-13	11/22/02	3604.31	--	26.01	--	3578.30
MW-13	11/29/02	3604.31	--	25.95	--	3578.36
MW-13	01/22/03	3604.31	--	25.88	--	3578.43
MW-13	02/14/03	3604.31	--	25.93	--	3578.38
MW-13	02/24/03	3604.31	--	25.96	--	3578.35
MW-13	04/24/03	3604.31	--	26.14	--	3578.17
MW-13	07/15/03	3604.31	--	26.40	--	3577.91
MW-13	09/11/03	3604.31	--	26.55	--	3577.76
MW-13	10/15/03	3604.31	--	26.71	--	3577.60
MW-13	01/19/04	3604.31	--	26.98	--	3577.33
MW-13	04/19/04	3604.31	--	26.95	--	3577.36
MW-13	07/20/04	3604.31	--	26.81	--	3577.50
MW-13	10/25/04	3604.31	--	24.95	--	3579.36
MW-13	01/24/05	3604.31	--	23.64	--	3580.67
MW-13	04/18/05	3604.31	--	23.46	--	3580.85
MW-13	07/18/05	3604.31	--	23.78	--	3580.53
MW-13	10/17/05	3604.31	--	23.72	--	3580.59
MW-13	01/23/06	3604.31	--	24.02	--	3580.29
MW-13	04/24/06	3604.31	--	24.50	--	3579.81
MW-13	07/24/06	3604.31	--	24.93	--	3579.38
MW-13	10/23/06	3604.31	--	24.66	--	3579.65
MW-13	01/23/07	3604.31	--	24.76	--	3579.55
MW-13	04/23/07	3604.31	--	25.12	--	3579.19
MW-13	07/23/07	3604.31	--	25.16	--	3579.15
MW-13	10/22/07	3604.31	--	25.04	--	3579.27
MW-13	01/28/08	3604.31	--	25.25	--	3579.06
MW-13	04/21/08	3604.31	--	25.60	--	3578.71
MW-13	07/21/08	3604.31	--	26.02	--	3578.29
MW-13	10/20/08	3604.31	--	26.19	--	3578.12
MW-13	01/19/09	3604.31	--	26.26	--	3578.05
MW-13	04/20/09	3604.31	--	26.60	--	3577.71
MW-13	07/27/09	3604.31	--	26.92	--	3577.39
MW-13	10/26/09	3604.31	--	26.91	--	3577.40
MW-13	01/25/10	3604.31	--	27.19	--	3577.12
MW-13	04/26/10	3604.31	--	27.35	--	3576.96
MW-13	07/26/10	3604.31	--	27.07	--	3577.24
MW-13	10/25/10	3604.31	--	26.72	--	3577.59
MW-13	01/24/11	3604.31	--	27.21	--	3577.10
MW-13	04/18/11	3604.31	--	27.58	--	3576.73
MW-13	10/10/11	3604.31	--	28.19	--	3576.12
MW-13	05/30/12	3604.31	--	29.00	--	3575.31
MW-13	02/27/13	3604.31	--	29.56	--	3574.75
MW-13	07/23/13	3604.31	--	30.01	--	3574.30

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-13	03/25/14	3604.31	--	30.42	--	3573.89
MW-13	07/29/14	3604.31	--	30.87	--	3573.44
MW-13	03/10/15	3604.31	--	30.33	--	3573.98
MW-13	07/27/15	3604.31	--	30.31	--	3574.00
MW-13	03/21/16	3604.31	--	29.80	--	3574.51
MW-13	09/22/16	3604.31	--	30.23	--	3574.08
MW-13	03/22/17	3604.31	--	29.50	--	3574.81
MW-13	09/18/17	3604.31	--	30.76	--	3573.55
MW-14 (SVE-11)	03/01/01	3604.11	--	23.96	--	3580.15
MW-14 (SVE-11)	06/25/01	3604.11	--	24.14	--	3579.97
MW-14 (SVE-11)	09/25/01	3604.11	--	24.45	--	3579.66
MW-14 (SVE-11)	12/11/01	3604.11	--	24.63	--	3579.48
MW-14 (SVE-11)	05/21/02	3604.11	--	25.00	--	3579.11
MW-14 (SVE-11)	06/15/02	3604.11	--	25.08	--	3579.03
MW-14 (SVE-11)	10/15/02	3603.77	--	25.82	--	3577.95
MW-14 (SVE-11)	01/22/03	3603.77	--	25.90	--	3577.87
MW-14 (SVE-11)	04/24/03	3603.77	--	25.92	--	3577.85
MW-14 (SVE-11)	07/15/03	3603.77	--	26.11	--	3577.66
MW-14 (SVE-11)	09/11/03	3603.77	--	26.26	--	3577.51
MW-14 (SVE-11)	10/15/03	3603.77	--	26.41	--	3577.36
MW-14 (SVE-11)	01/19/04	3603.77	--	26.68	--	3577.09
MW-14 (SVE-11)	04/19/04	3603.77	--	26.61	--	3577.16
MW-14 (SVE-11)	07/20/04	3603.77	--	26.75	--	3577.02
MW-14 (SVE-11)	10/25/04	3603.77	--	24.81	--	3578.96
MW-14 (SVE-11)	01/24/05	3603.77	--	23.76	--	3580.01
MW-14 (SVE-11)	04/18/05	3603.77	--	23.58	--	3580.19
MW-14 (SVE-11)	07/18/05	3603.77	--	23.83	--	3579.94
MW-14 (SVE-11)	10/17/05	3603.77	--	23.77	--	3580.00
MW-14 (SVE-11)	01/23/06	3603.77	--	24.03	--	3579.74
MW-14 (SVE-11)	04/24/06	3603.77	--	24.41	--	3579.36
MW-14 (SVE-11)	07/24/06	3603.77	--	24.80	--	3578.97
MW-14 (SVE-11)	10/23/06	3603.77	--	24.70	--	3579.07
MW-14 (SVE-11)	01/23/07	3603.77	--	24.79	--	3578.98
MW-14 (SVE-11)	04/23/07	3603.77	--	25.06	--	3578.71
MW-14 (SVE-11)	07/23/07	3603.77	--	25.19	--	3578.58
MW-14 (SVE-11)	10/22/07	3603.77	--	25.20	--	3578.57
MW-14 (SVE-11)	01/28/08	3603.77	--	25.30	--	3578.47
MW-14 (SVE-11)	04/21/08	3603.77	--	25.53	--	3578.24
MW-14 (SVE-11)	07/21/08	3603.77	--	25.83	--	3577.94
MW-14 (SVE-11)	10/20/08	3603.77	--	26.07	--	3577.70
MW-14 (SVE-11)	01/19/09	3603.77	--	26.15	--	3577.62
MW-14 (SVE-11)	04/20/09	3603.77	--	26.37	--	3577.40

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-14 (SVE-11)	07/27/09	3603.77	--	26.65	--	3577.12
MW-14 (SVE-11)	10/26/09	3603.77	--	26.75	--	3577.02
MW-14 (SVE-11)	01/25/10	3603.77	--	26.97	--	3576.80
MW-14 (SVE-11)	04/26/10	3603.77	--	27.14	--	3576.63
MW-14 (SVE-11)	07/26/10	3603.77	--	26.78	--	3576.99
MW-14 (SVE-11)	10/25/10	3603.77	--	26.64	--	3577.13
MW-14 (SVE-11)	01/24/11	3603.77	--	27.03	--	3576.74
MW-14 (SVE-11)	04/18/11	3603.77	--	27.36	--	3576.41
MW-14 (SVE-11)	10/10/11	3603.77	--	27.87	--	3575.90
MW-14 (SVE-11)	05/30/12	3603.77	--	28.55	--	3575.22
MW-14 (SVE-11)	02/27/13	3603.77	--	DRY	--	DRY
MW-14 (SVE-11)	07/23/13	3603.77	--	29.51	--	3574.26
MW-14 (SVE-11)	03/25/14	3603.77	--	30.02	--	3573.75
MW-14 (SVE-11)	07/29/14	3603.77	--	30.34	--	3573.43
MW-14 (SVE-11)	03/10/15	3603.77	--	30.15	--	3573.62
MW-14 (SVE-11)	07/27/15	3603.77	--	30.30	--	3573.47
MW-14 (SVE-11)	03/21/16	3603.77	--	29.80	--	3573.97
MW-14 (SVE-11)	09/22/16	3603.77	--	29.61	--	3574.16
MW-14 (SVE-11)	03/22/17	3603.77	--	29.28	--	3574.49
MW-14 (SVE-11)	09/18/17	3603.77	--	29.73	--	3574.04
MW-15 (SVE-12)	03/01/01	3609.78	28.20	28.26	0.06	3581.57
MW-15 (SVE-12)	06/25/01	3609.78	28.24	28.90	0.66	3581.41
MW-15 (SVE-12)	09/25/01	3609.78	NM	NM	NM	NM
MW-15 (SVE-12)	12/11/01	3609.78	NM	NM	NM	NM
MW-15 (SVE-12)	05/21/02	3609.78	28.98	29.77	0.79	3580.64
MW-15 (SVE-12)	06/08/02	3609.78	29.05	29.85	0.80	3580.57
MW-15 (SVE-12)	06/15/02	3609.23	29.65	30.42	0.77	3579.43
MW-15 (SVE-12)	10/25/02	3609.23	29.67	30.57	0.90	3579.38
MW-15 (SVE-12)	11/04/02	3609.23	29.80	30.62	0.82	3579.27
MW-15 (SVE-12)	11/22/02	3609.23	29.81	30.59	0.78	3579.26
MW-15 (SVE-12)	11/29/02	3609.23	29.70	30.59	0.89	3579.35
MW-15 (SVE-12)	02/08/03	3609.23	30.10	30.44	0.34	3579.06
MW-15 (SVE-12)	02/24/03	3609.23	30.09	30.51	0.42	3579.06
MW-15 (SVE-12)	04/07/03	3609.23	30.21	30.50	0.29	3578.96
MW-15 (SVE-12)	04/24/03	3609.23	30.24	30.44	0.20	3578.95
MW-15 (SVE-12)	11/05/02	3609.23	29.81	30.57	0.76	3579.27
MW-15 (SVE-12)	02/25/03	3609.23	30.09	30.51	0.42	3579.06
MW-15 (SVE-12)	04/09/03	3609.23	30.21	30.50	0.29	3578.96
MW-15 (SVE-12)	04/22/03	3609.23	30.27	30.49	0.22	3578.92
MW-15 (SVE-12)	06/25/03	3609.23	30.34	30.55	0.21	3578.85
MW-15 (SVE-12)	09/11/03	3609.23	30.52	30.79	0.27	3578.66
MW-15 (SVE-12)	11/05/03	3609.23	30.67	30.94	0.27	3578.51

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-15 (SVE-12)	01/19/04	3609.23	30.87	31.11	0.24	3578.31
MW-15 (SVE-12)	04/19/04	3609.23	31.03	31.09	0.06	3578.19
MW-15 (SVE-12)	07/20/04	3609.23	31.10	31.32	0.22	3578.09
MW-15 (SVE-12)	10/25/04	3609.23	--	29.94	--	3579.29
MW-15 (SVE-12)	01/24/05	3609.23	--	28.72	--	3580.51
MW-15 (SVE-12)	04/18/05	3609.23	--	28.40	--	3580.83
MW-15 (SVE-12)	07/18/05	3609.23	--	28.39	--	3580.84
MW-15 (SVE-12)	10/17/05	3609.23	--	28.29	--	3580.94
MW-15 (SVE-12)	01/23/06	3609.23	--	28.44	--	3580.79
MW-15 (SVE-12)	04/24/06	3609.23	--	28.72	--	3580.51
MW-15 (SVE-12)	07/24/06	3609.23	--	29.12	--	3580.11
MW-15 (SVE-12)	10/23/06	3609.23	--	29.05	--	3580.18
MW-15 (SVE-12)	01/23/07	3609.23	--	29.12	--	3580.11
MW-15 (SVE-12)	04/23/07	3609.23	--	29.36	--	3579.87
MW-15 (SVE-12)	07/23/07	3609.23	--	29.53	--	3579.70
MW-15 (SVE-12)	10/22/07	3609.23	--	29.61	--	3579.62
MW-15 (SVE-12)	01/28/08	3609.23	--	29.65	--	3579.58
MW-15 (SVE-12)	04/21/08	3609.23	--	29.84	--	3579.39
MW-15 (SVE-12)	07/21/08	3609.23	--	30.08	--	3579.15
MW-15 (SVE-12)	10/20/08	3609.23	--	30.30	--	3578.93
MW-15 (SVE-12)	01/19/09	3609.23	--	30.49	--	3578.74
MW-15 (SVE-12)	04/20/09	3609.23	--	30.70	--	3578.53
MW-15 (SVE-12)	07/27/09	3609.23	--	30.94	--	3578.29
MW-15 (SVE-12)	10/26/09	3609.23	--	31.13	--	3578.10
MW-15 (SVE-12)	01/25/10	3609.23	--	31.31	--	3577.92
MW-15 (SVE-12)	04/26/10	3609.23	--	31.50	--	3577.73
MW-15 (SVE-12)	07/26/10	3609.23	--	31.29	--	3577.94
MW-15 (SVE-12)	10/25/10	3609.23	--	31.18	--	3578.05
MW-15 (SVE-12)	01/24/11	3609.23	--	31.45	--	3577.78
MW-15 (SVE-12)	04/18/11	3609.23	--	31.72	--	3577.51
MW-15 (SVE-12)	10/10/11	3609.23	--	32.12	--	3577.11
MW-15 (SVE-12)	05/30/12	3609.23	--	32.75	--	3576.48
MW-15 (SVE-12)	02/27/13	3609.23	--	33.43	--	3575.80
MW-15 (SVE-12)	07/23/13	3609.23	--	33.76	--	3575.47
MW-15 (SVE-12)	03/25/14	3609.23	--	DRY	--	DRY
MW-15 (SVE-12)	07/29/14	3609.23	--	DRY	--	DRY
MW-15 (SVE-12)	03/10/15	3609.23	--	DRY	--	DRY
MW-15 (SVE-12)	07/27/15	3609.23	--	DRY	--	DRY
MW-15 (SVE-12)	03/21/16	3609.23	--	DRY	--	DRY
MW-15 (SVE-12)	09/22/16	3609.23	--	DRY	--	DRY
MW-15 (SVE-12)	03/22/17	3609.23	--	33.67	--	3575.56
MW-15 (SVE-12)	09/18/17	3609.23	--	34.01	--	3575.22

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-16	03/01/01	3606.31	--	25.57	--	3580.74
MW-16	06/25/01	3606.31	--	25.78	--	3580.53
MW-16	09/25/01	3606.31	--	26.01	--	3580.30
MW-16	12/11/01	3606.31	--	26.21	--	3580.10
MW-16	05/21/02	3606.31	--	26.57	--	3579.74
MW-16	06/15/02	3606.31	--	26.64	--	3579.67
MW-16	06/16/02	3606.31	--	26.63	--	3579.68
MW-16	09/20/02	3606.31	--	26.80	--	3579.51
MW-16	10/15/02	3606.31	--	26.85	--	3579.46
MW-16	10/22/02	3606.31	--	26.88	--	3579.43
MW-16	10/25/02	3606.31	--	26.88	--	3579.43
MW-16	10/26/02	3606.31	--	26.88	--	3579.43
MW-16	11/04/02	3606.31	--	26.90	--	3579.41
MW-16	11/05/02	3606.31	--	26.91	--	3579.40
MW-16	01/22/03	3606.31	--	26.95	--	3579.36
MW-16	02/14/03	3606.31	--	26.95	--	3579.36
MW-16	02/24/03	3606.31	--	26.95	--	3579.36
MW-16	04/07/03	3606.31	--	27.05	--	3579.26
MW-16	04/24/03	3606.31	--	27.16	--	3579.15
MW-16	07/14/03	3606.31	--	27.25	--	3579.06
MW-16	08/02/03	3606.31	--	27.27	--	3579.04
MW-16	09/11/03	3606.31	--	27.35	--	3578.96
MW-16	10/15/03	3606.31	--	27.49	--	3578.82
MW-16	01/19/04	3606.31	--	27.68	--	3578.63
MW-16	04/19/04	3606.31	--	27.78	--	3578.53
MW-16	07/20/04	3606.31	--	27.89	--	3578.42
MW-16	10/25/04	3606.31	--	26.38	--	3579.93
MW-16	01/24/05	3606.31	--	25.11	--	3581.20
MW-16	04/18/05	3606.31	--	24.91	--	3581.40
MW-16	07/18/05	3606.31	--	25.04	--	3581.27
MW-16	10/17/05	3606.31	--	24.99	--	3581.32
MW-16	01/23/06	3606.31	--	25.20	--	3581.11
MW-16	04/24/06	3606.31	--	25.56	--	3580.75
MW-16	07/24/06	3606.31	--	25.90	--	3580.41
MW-16	10/23/06	3606.31	--	25.84	--	3580.47
MW-16	01/23/07	3606.31	--	25.94	--	3580.37
MW-16	04/23/07	3606.31	--	26.16	--	3580.15
MW-16	07/23/07	3606.31	--	26.33	--	3579.98
MW-16	10/22/07	3606.31	--	26.40	--	3579.91
MW-16	01/28/08	3606.31	--	26.45	--	3579.86
MW-16	04/21/08	3606.31	--	26.66	--	3579.65
MW-16	07/21/08	3606.31	--	26.91	--	3579.40
MW-16	10/20/08	3606.31	--	27.13	--	3579.18

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-16	01/19/09	3606.31	--	27.26	--	3579.05
MW-16	04/20/09	3606.31	--	27.50	--	3578.81
MW-16	07/27/09	3606.31	--	27.75	--	3578.56
MW-16	10/26/09	3606.31	--	27.93	--	3578.38
MW-16	01/25/10	3606.31	--	28.09	--	3578.22
MW-16	04/26/10	3606.31	--	28.27	--	3578.04
MW-16	07/26/10	3606.31	--	28.00	--	3578.31
MW-16	10/25/10	3606.31	--	27.88	--	3578.43
MW-16	01/24/11	3606.31	--	28.19	--	3578.12
MW-16	04/18/11	3606.31	--	28.47	--	3577.84
MW-16	10/10/11	3606.31	--	28.87	--	3577.44
MW-16	05/30/12	3606.31	--	29.50	--	3576.81
MW-16	02/27/13	3606.31	--	30.13	--	3576.18
MW-16	07/23/13	3606.31	--	30.48	--	3575.83
MW-16	03/25/14	3606.31	--	30.98	--	3575.33
MW-16	07/29/14	3606.31	--	31.26	--	3575.05
MW-16	03/10/15	3606.31	--	31.20	--	3575.11
MW-16	07/27/15	3606.31	--	Dry	--	Dry
MW-16	03/21/16	3606.31	--	30.95	--	3575.36
MW-16	09/22/16	3606.31	--	29.90	--	3576.41
MW-16	03/22/17	3606.31	--	30.40	--	3575.91
MW-16	09/18/17	3606.31	--	30.77	--	3575.54
MW-17	03/01/01	3609.03	--	27.78	--	3581.25
MW-17	06/25/01	3609.03	--	27.99	--	3581.04
MW-17	09/25/01	3609.03	--	28.21	--	3580.82
MW-17	12/11/01	3609.03	--	28.39	--	3580.64
MW-17	05/21/02	3609.03	--	28.77	--	3580.26
MW-17	06/08/02	3609.03	--	28.80	--	3580.23
MW-17	06/13/02	3609.03	--	28.81	--	3580.22
MW-17	06/15/02	3609.03	--	28.81	--	3580.22
MW-17	09/20/02	3609.03	--	29.00	--	3580.03
MW-17	10/15/02	3609.03	--	29.07	--	3579.96
MW-17	10/22/02	3609.03	--	29.06	--	3579.97
MW-17	10/25/02	3609.03	--	29.06	--	3579.97
MW-17	10/26/02	3609.03	--	29.09	--	3579.94
MW-17	11/04/02	3609.03	--	29.10	--	3579.93
MW-17	11/05/02	3609.03	--	29.13	--	3579.90
MW-17	11/22/02	3609.03	--	29.16	--	3579.87
MW-17	12/16/02	3609.03	--	DRY	--	DRY
MW-17	01/22/03	3609.03	--	29.15	--	3579.88
MW-17	02/08/03	3609.03	--	29.16	--	3579.87
MW-17	02/14/03	3609.03	--	29.17	--	3579.86

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-17	02/24/03	3609.03	--	29.19	--	3579.84
MW-17	04/24/03	3609.03	--	29.28	--	3579.75
MW-17	04/07/03	3609.03	--	29.23	--	3579.80
MW-17	07/14/03	3609.03	--	29.45	--	3579.58
MW-17	08/02/03	3609.03	--	29.49	--	3579.54
MW-17	09/11/03	3609.03	--	29.57	--	3579.46
MW-17	10/15/03	3609.03	--	29.70	--	3579.33
MW-17	01/19/04	3609.03	--	29.88	--	3579.15
MW-17	04/19/04	3609.03	--	DRY	--	DRY
MW-17	07/20/04	3609.03	--	DRY	--	DRY
MW-17	10/25/04	3609.03	--	28.88	--	3580.15
MW-17	01/24/05	3609.03	--	27.57	--	3581.46
MW-17	04/18/05	3609.03	--	27.31	--	3581.72
MW-17	07/18/05	3609.03	--	27.35	--	3581.68
MW-17	10/17/05	3609.03	--	27.26	--	3581.77
MW-17	01/23/06	3609.03	--	27.45	--	3581.58
MW-17	04/24/06	3609.03	--	27.79	--	3581.24
MW-17	07/24/06	3609.03	--	28.11	--	3580.92
MW-17	10/23/06	3609.03	--	28.08	--	3580.95
MW-17	01/23/07	3609.03	--	28.17	--	3580.86
MW-17	04/23/07	3609.03	--	28.37	--	3580.66
MW-17	07/23/07	3609.03	--	28.54	--	3580.49
MW-17	10/22/07	3609.03	--	28.66	--	3580.37
MW-17	01/28/08	3609.03	--	28.68	--	3580.35
MW-17	04/21/08	3609.03	--	28.87	--	3580.16
MW-17	07/21/08	3609.03	--	29.11	--	3579.92
MW-17	10/20/08	3609.03	--	29.33	--	3579.70
MW-17	01/19/09	3609.03	--	29.45	--	3579.58
MW-17	04/20/09	3609.03	--	29.70	--	3579.33
MW-17	07/27/09	3609.03	--	DRY	--	DRY
MW-17	10/26/09	3609.03	--	DRY	--	DRY
MW-17	01/25/10	3609.03	--	DRY	--	DRY
MW-17	04/26/10	3609.03	--	DRY	--	DRY
MW-17	07/26/10	3609.03	--	DRY	--	DRY
MW-17	10/10/11	3610.03	--	DRY	--	DRY
MW-17	05/30/12	3610.03	--	DRY	--	DRY
MW-17	02/27/13	3610.03	--	DRY	--	DRY
MW-17	07/23/13	3610.03	--	DRY	--	DRY
MW-17	03/25/14	3610.03	--	DRY	--	DRY
MW-17	07/29/14	3610.03	--	DRY	--	DRY
MW-17	03/10/15	3610.03	--	DRY	--	DRY
MW-17	07/27/15	3610.03	--	DRY	--	DRY
MW-17	03/21/16	3610.03	--	DRY	--	DRY

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-17	09/22/16	3610.03	--	DRY	--	DRY
MW-17	03/22/17	3610.03	--	DRY	--	DRY
MW-17	09/18/17	3610.03	--	DRY	--	DRY
MW-18 (SVE-13)	03/01/01	3605.71	--	25.59	--	3580.12
MW-18 (SVE-13)	06/25/01	3605.71	--	25.85	--	3579.86
MW-18 (SVE-13)	09/25/01	3605.71	--	26.10	--	3579.61
MW-18 (SVE-13)	12/11/01	3605.71	--	26.33	--	3579.38
MW-18 (SVE-13)	05/21/02	3605.71	--	26.70	--	3579.01
MW-18 (SVE-13)	06/15/02	3605.71	--	26.75	--	3578.96
MW-18 (SVE-13)	06/16/02	3605.71	--	26.74	--	3578.97
MW-18 (SVE-13)	09/20/02	3605.34	--	27.54	--	3577.80
MW-18 (SVE-13)	10/15/02	3605.34	--	27.55	--	3577.79
MW-18 (SVE-13)	10/22/02	3605.34	--	27.55	--	3577.79
MW-18 (SVE-13)	10/25/02	3605.34	--	27.54	--	3577.80
MW-18 (SVE-13)	10/26/02	3605.34	--	27.55	--	3577.79
MW-18 (SVE-13)	11/05/02	3605.34	--	27.35	--	3577.99
MW-18 (SVE-13)	11/22/02	3605.34	--	27.38	--	3577.96
MW-18 (SVE-13)	01/22/03	3605.34	--	27.43	--	3577.91
MW-18 (SVE-13)	02/24/03	3605.34	--	27.46	--	3577.88
MW-18 (SVE-13)	04/07/03	3605.34	--	27.57	--	3577.77
MW-18 (SVE-13)	04/24/03	3605.34	--	27.58	--	3577.76
MW-18 (SVE-13)	07/15/03	3605.34	--	27.78	--	3577.56
MW-18 (SVE-13)	08/02/03	3605.34	--	27.83	--	3577.51
MW-18 (SVE-13)	09/11/03	3605.34	--	28.01	--	3577.33
MW-18 (SVE-13)	10/15/03	3605.34	--	28.15	--	3577.19
MW-18 (SVE-13)	01/19/04	3605.34	--	28.42	--	3576.92
MW-18 (SVE-13)	04/19/04	3605.34	--	28.40	--	3576.94
MW-18 (SVE-13)	07/20/04	3605.34	--	28.38	--	3576.96
MW-18 (SVE-13)	10/25/04	3605.34	--	26.62	--	3578.72
MW-18 (SVE-13)	01/24/05	3605.34	--	25.37	--	3579.97
MW-18 (SVE-13)	04/18/05	3605.34	--	25.15	--	3580.19
MW-18 (SVE-13)	07/18/05	3605.34	--	25.36	--	3579.98
MW-18 (SVE-13)	10/17/05	3605.34	--	25.33	--	3580.01
MW-18 (SVE-13)	01/23/06	3605.34	--	25.59	--	3579.75
MW-18 (SVE-13)	04/24/06	3605.34	--	26.01	--	3579.33
MW-18 (SVE-13)	07/24/06	3605.34	--	26.41	--	3578.93
MW-18 (SVE-13)	10/23/06	3605.34	--	26.25	--	3579.09
MW-18 (SVE-13)	01/23/07	3605.34	--	26.32	--	3579.02
MW-18 (SVE-13)	04/23/07	3605.34	--	26.63	--	3578.71
MW-18 (SVE-13)	07/23/07	3605.34	--	26.73	--	3578.61
MW-18 (SVE-13)	10/22/07	3605.34	--	26.70	--	3578.64
MW-18 (SVE-13)	01/28/08	3605.34	--	26.81	--	3578.53

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-18 (SVE-13)	04/21/08	3605.34	--	27.09	--	3578.25
MW-18 (SVE-13)	07/21/08	3605.34	--	27.45	--	3577.89
MW-18 (SVE-13)	10/20/08	3605.34	--	27.65	--	3577.69
MW-18 (SVE-13)	01/19/09	3605.34	--	27.75	--	3577.59
MW-18 (SVE-13)	04/20/09	3605.34	--	28.05	--	3577.29
MW-18 (SVE-13)	07/27/09	3605.34	--	28.36	--	3576.98
MW-18 (SVE-13)	10/26/09	3605.34	--	28.41	--	3576.93
MW-18 (SVE-13)	01/25/10	3605.34	--	28.65	--	3576.69
MW-18 (SVE-13)	04/26/10	3605.34	--	28.83	--	3576.51
MW-18 (SVE-13)	07/26/10	3605.34	--	28.56	--	3576.78
MW-18 (SVE-13)	10/25/10	3605.34	--	28.30	--	3577.04
MW-18 (SVE-13)	01/24/11	3605.34	--	27.21	--	3578.13
MW-18 (SVE-13)	04/18/11	3605.34	--	27.05	--	3578.29
MW-18 (SVE-13)	10/10/11	3605.34	--	29.60	--	3575.74
MW-18 (SVE-13)	05/30/12	3605.34	--	30.33	--	3575.01
MW-18 (SVE-13)	02/27/13	3605.34	--	30.95	--	3574.39
MW-18 (SVE-13)	07/23/13	3605.34	--	31.36	--	3573.98
MW-18 (SVE-13)	03/25/14	3605.34	--	31.79	--	3573.55
MW-18 (SVE-13)	07/29/14	3605.34	--	32.18	--	3573.16
MW-18 (SVE-13)	03/10/15	3605.34	--	31.81	--	3573.53
MW-18 (SVE-13)	07/27/15	3605.34	--	31.90	--	3573.44
MW-18 (SVE-13)	03/21/16	3605.34	--	31.35	--	3573.99
MW-18 (SVE-13)	09/22/16	3605.34	--	31.62	--	3573.72
MW-18 (SVE-13)	03/22/17	3605.34	--	30.79	--	3574.55
MW-18 (SVE-13)	09/18/17	3605.34	--	31.75	--	3573.59
MW-19	03/01/01	3606.69	--	27.20	--	3579.49
MW-19	06/25/01	3606.69	--	27.45	--	3579.24
MW-19	09/25/01	3606.69	--	27.71	--	3578.98
MW-19	12/11/01	3606.69	--	27.93	--	3578.76
MW-19	05/21/02	3606.69	--	28.26	--	3578.43
MW-19	06/08/02	3606.69	--	28.30	--	3578.39
MW-19	06/15/02	3606.69	--	28.33	--	3578.36
MW-19	09/20/02	3606.69	--	28.54	--	3578.15
MW-19	10/15/02	3606.69	--	28.57	--	3578.12
MW-19	10/22/02	3606.69	--	28.57	--	3578.12
MW-19	10/25/02	3606.69	--	28.55	--	3578.14
MW-19	10/26/02	3606.69	--	28.58	--	3578.11
MW-19	11/04/02	3606.69	--	28.58	--	3578.11
MW-19	11/05/02	3606.69	--	28.56	--	3578.13
MW-19	11/22/02	3606.69	--	28.55	--	3578.14
MW-19	11/29/02	3606.69	--	28.54	--	3578.15
MW-19	12/16/02	3606.69	--	28.54	--	3578.15

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Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-19	01/22/03	3606.69	--	28.48	--	3578.21
MW-19	02/08/03	3606.69	--	28.50	--	3578.19
MW-19	02/14/03	3606.69	--	28.51	--	3578.18
MW-19	02/24/03	3606.69	--	28.51	--	3578.18
MW-19	04/24/03	3606.69	--	28.62	--	3578.07
MW-19	07/15/03	3606.69	--	28.90	--	3577.79
MW-19	08/02/03	3606.69	--	28.93	--	3577.76
MW-19	09/11/03	3606.69	--	29.03	--	3577.66
MW-19	10/15/03	3606.69	--	29.18	--	3577.51
MW-19	01/19/04	3606.69	--	29.42	--	3577.27
MW-19	04/19/04	3606.69	--	29.40	--	3577.29
MW-19	07/20/04	3606.69	--	29.40	--	3577.29
MW-19	10/25/04	3606.69	--	27.19	--	3579.50
MW-19	01/24/05	3606.69	--	26.20	--	3580.49
MW-19	04/18/05	3606.69	--	26.11	--	3580.58
MW-19	07/18/05	3606.69	--	26.40	--	3580.29
MW-19	10/17/05	3606.69	--	26.41	--	3580.28
MW-19	01/23/06	3606.69	--	26.68	--	3580.01
MW-19	04/24/06	3606.69	--	27.09	--	3579.60
MW-19	07/24/06	3606.69	--	27.49	--	3579.20
MW-19	10/23/06	3606.69	--	27.37	--	3579.32
MW-19	01/23/07	3606.69	--	27.46	--	3579.23
MW-19	04/23/07	3606.69	--	27.76	--	3578.93
MW-19	07/23/07	3606.69	--	27.85	--	3578.84
MW-19	10/22/07	3606.69	--	27.83	--	3578.86
MW-19	01/28/08	3606.69	--	27.95	--	3578.74
MW-19	04/21/08	3606.69	--	28.23	--	3578.46
MW-19	07/21/08	3606.69	--	28.59	--	3578.10
MW-19	10/20/08	3606.69	--	28.80	--	3577.89
MW-19	01/19/09	3606.69	--	28.90	--	3577.79
MW-19	04/20/09	3606.69	--	29.18	--	3577.51
MW-19	07/27/09	3606.69	--	29.47	--	3577.22
MW-19	10/26/09	3606.69	--	29.52	--	3577.17
MW-19	01/25/10	3606.69	--	29.75	--	3576.94
MW-19	04/26/10	3606.69	--	29.90	--	3576.79
MW-19	07/26/10	3606.69	--	29.62	--	3577.07
MW-19	10/25/10	3606.69	--	29.39	--	3577.30
MW-19	01/24/11	3606.69	--	29.80	--	3576.89
MW-19	04/18/11	3606.69	--	30.11	--	3576.58
MW-19	10/10/11	3606.69	--	30.63	--	3576.06
MW-19	05/30/12	3606.69	--	34.12	--	3572.57
MW-19	02/27/13	3606.69	--	31.95	--	3574.74
MW-19	07/23/13	3606.69	--	32.35	--	3574.34

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-19	03/25/14	3606.69	--	DRY	--	DRY
MW-19	07/29/14	3606.69	--	DRY	--	DRY
MW-19	03/10/15	3606.69	--	DRY	--	DRY
MW-19	07/27/15	3606.69	--	DRY	--	DRY
MW-19	03/21/16	3606.69	--	32.50	--	3574.19
MW-19	09/22/16	3606.69	--	DRY	--	DRY
MW-19	03/22/17	3606.69	--	31.98	--	3574.71
MW-19	09/18/17	3606.69	--	32.45	--	3574.24
MW-20	03/01/01	3606.25	--	30.24	--	3576.01
MW-20	06/08/01	3606.25	--	31.26	--	3574.99
MW-20	06/25/01	3606.25	--	31.45	--	3574.80
MW-20	09/25/01	3606.25	--	31.67	--	3574.58
MW-20	12/11/01	3606.25	--	30.84	--	3575.41
MW-20	05/21/02	3606.25	--	31.21	--	3575.04
MW-20	06/08/02	3606.25	--	31.26	--	3574.99
MW-20	06/13/02	3606.25	--	31.28	--	3574.97
MW-20	06/15/02	3606.25	--	31.28	--	3574.97
MW-20	09/20/02	3606.25	--	31.46	--	3574.79
MW-20	10/15/02	3606.25	--	31.52	--	3574.73
MW-20	10/22/02	3606.25	--	31.53	--	3574.72
MW-20	10/25/02	3606.25	--	31.52	--	3574.73
MW-20	10/26/02	3606.25	--	31.54	--	3574.71
MW-20	11/04/02	3606.25	--	31.56	--	3574.69
MW-20	11/05/02	3606.25	--	31.56	--	3574.69
MW-20	11/22/02	3606.25	--	31.59	--	3574.66
MW-20	11/29/02	3606.25	--	31.56	--	3574.69
MW-20	12/16/02	3606.25	--	31.65	--	3574.60
MW-20	01/22/03	3606.25	--	31.60	--	3574.65
MW-20	02/08/03	3606.25	--	31.65	--	3574.60
MW-20	02/14/03	3606.25	--	31.64	--	3574.61
MW-20	02/24/03	3606.25	--	31.64	--	3574.61
MW-20	04/07/03	3606.25	--	31.75	--	3574.50
MW-20	04/24/03	3606.25	--	31.76	--	3574.49
MW-20	07/15/03	3606.25	--	31.90	--	3574.35
MW-20	08/02/03	3606.25	--	31.95	--	3574.30
MW-20	09/11/03	3606.25	--	32.04	--	3574.21
MW-20	10/15/03	3606.25	--	32.17	--	3574.08
MW-20	01/19/04	3606.25	--	32.35	--	3573.90
MW-20	04/19/04	3606.25	--	32.46	--	3573.79
MW-20	07/20/04	3606.25	--	32.59	--	3573.66
MW-20	10/25/04	3606.25	--	31.22	--	3575.03
MW-20	01/24/05	3606.25	--	29.97	--	3576.28

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-20	04/18/05	3606.25	--	29.78	--	3576.47
MW-20	07/18/05	3606.25	--	29.85	--	3576.40
MW-20	10/17/05	3606.25	--	29.75	--	3576.50
MW-20	01/23/06	3606.25	--	29.95	--	3576.30
MW-20	04/24/06	3606.25	--	30.28	--	3575.97
MW-20	07/24/06	3606.25	--	30.59	--	3575.66
MW-20	10/23/06	3606.25	--	30.55	--	3575.70
MW-20	01/23/07	3606.25	--	30.68	--	3575.57
MW-20	04/23/07	3606.25	--	30.89	--	3575.36
MW-20	07/23/07	3606.25	--	31.08	--	3575.17
MW-20	10/22/07	3606.25	--	31.16	--	3575.09
MW-20	01/28/08	3606.50	--	31.21	--	3575.29
MW-20	04/21/08	3606.50	--	31.38	--	3575.12
MW-20	07/21/08	3606.50	--	31.62	--	3574.88
MW-20	10/20/08	3606.50	--	31.82	--	3574.68
MW-20	01/19/09	3606.50	--	32.00	--	3574.50
MW-20	04/20/09	3606.50	--	32.22	--	3574.28
MW-20	07/27/09	3606.50	--	32.45	--	3574.05
MW-20	10/26/09	3606.50	--	32.63	--	3573.87
MW-20	01/25/10	3606.50	--	32.79	--	3573.71
MW-20	04/26/10	3606.50	--	32.98	--	3573.52
MW-20	07/26/10	3606.50	--	32.67	--	3573.83
MW-20	10/25/10	3606.50	--	32.69	--	3573.81
MW-20	01/24/11	3606.50	--	32.92	--	3573.58
MW-20	04/18/11	3606.50	--	33.18	--	3573.32
MW-20	10/10/11	3606.50	--	33.55	--	3572.95
MW-20	05/30/12	3606.50	--	34.12	--	3572.38
MW-20	02/27/13	3606.50	--	34.78	--	3571.72
MW-20	07/23/13	3606.50	--	35.11	--	3571.39
MW-20	03/25/14	3606.50	--	35.61	--	3570.89
MW-20	07/29/14	3606.50	--	35.89	--	3570.61
MW-20	03/10/15	3606.50	--	DRY	--	DRY
MW-20	07/27/15	3606.50	--	DRY	--	DRY
MW-20	03/21/16	3606.50	--	35.72	--	3570.78
MW-20	09/22/16	3606.50	--	DRY	--	DRY
MW-20	03/22/17	3606.50	--	35.15	--	3571.35
MW-20	09/18/17	3606.50	--	35.50	--	3571.00
MW-21	06/08/02	3603.51	--	24.62	--	3578.89
MW-21	06/13/02	3603.51	--	24.61	--	3578.90
MW-21	06/15/02	3603.51	--	24.63	--	3578.88
MW-21	09/20/02	3603.51	--	24.81	--	3578.70
MW-21	10/15/02	3603.51	--	24.86	--	3578.65

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-21	10/22/02	3603.51	--	24.88	--	3578.63
MW-21	10/25/02	3603.51	--	24.92	--	3578.59
MW-21	10/26/02	3603.51	--	24.92	--	3578.59
MW-21	11/04/02	3603.51	--	24.93	--	3578.58
MW-21	11/05/02	3603.51	--	24.90	--	3578.61
MW-21	11/22/02	3603.51	--	24.87	--	3578.64
MW-21	11/29/02	3603.51	--	24.90	--	3578.61
MW-21	12/16/02	3603.51	--	24.95	--	3578.56
MW-21	01/22/03	3603.51	--	24.88	--	3578.63
MW-21	02/08/03	3603.51	--	24.89	--	3578.62
MW-21	02/14/03	3603.51	--	24.89	--	3578.62
MW-21	02/24/03	3603.51	--	24.90	--	3578.61
MW-21	04/07/03	3603.51	--	25.00	--	3578.51
MW-21	04/24/03	3603.51	--	25.01	--	3578.50
MW-21	07/15/03	3603.51	--	25.20	--	3578.31
MW-21	08/02/03	3603.51	--	25.28	--	3578.23
MW-21	09/11/03	3603.51	--	25.35	--	3578.16
MW-21	10/15/03	3603.51	--	25.48	--	3578.03
MW-21	01/19/04	3603.51	--	25.68	--	3577.83
MW-21	04/19/04	3603.51	--	25.68	--	3577.83
MW-21	07/20/04	3603.51	--	25.81	--	3577.70
MW-21	10/25/04	3603.51	--	23.56	--	3579.95
MW-21	01/24/05	3603.51	--	22.70	--	3580.81
MW-21	04/18/05	3603.51	--	22.64	--	3580.87
MW-21	07/18/05	3603.51	--	22.88	--	3580.63
MW-21	10/17/05	3603.51	--	22.88	--	3580.63
MW-21	01/23/06	3603.51	--	23.13	--	3580.38
MW-21	04/24/06	3603.51	--	23.49	--	3580.02
MW-21	07/24/06	3603.51	--	23.86	--	3579.65
MW-21	10/23/06	3603.51	--	23.82	--	3579.69
MW-21	01/23/07	3603.51	--	23.92	--	3579.59
MW-21	04/23/07	3603.51	--	24.15	--	3579.36
MW-21	07/23/07	3603.51	--	24.32	--	3579.19
MW-21	10/22/07	3603.51	--	24.35	--	3579.16
MW-21	01/28/08	3603.51	--	24.45	--	3579.06
MW-21	04/21/08	3603.51	--	24.65	--	3578.86
MW-21	07/21/08	3603.51	--	24.95	--	3578.56
MW-21	10/20/08	3603.51	--	25.17	--	3578.34
MW-21	01/19/09	3603.51	--	25.29	--	3578.22
MW-21	04/20/09	3603.51	--	25.50	--	3578.01
MW-21	07/27/09	3603.51	--	25.79	--	3577.72
MW-21	10/26/09	3603.51	--	25.91	--	3577.60
MW-21	01/25/10	3603.51	--	26.10	--	3577.41

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-21	04/26/10	3603.51	--	26.26	--	3577.25
MW-21	07/26/10	3603.51	--	25.89	--	3577.62
MW-21	10/25/10	3603.51	--	25.81	--	3577.70
MW-21	01/24/11	3603.51	--	25.16	--	3578.35
MW-21	04/18/11	3603.51	--	26.45	--	3577.06
MW-21	10/10/11	3603.51	--	26.90	--	3576.61
MW-21	05/30/12	3603.51	--	27.52	--	3575.99
MW-21	02/27/13	3603.51	--	28.13	--	3575.38
MW-21	07/23/13	3603.51	--	28.49	--	3575.02
MW-21	03/25/14	3603.51	--	28.95	--	3574.56
MW-21	07/29/14	3603.51	--	29.24	--	3574.27
MW-21	03/10/15	3603.51	--	29.13	--	3574.38
MW-21	07/27/15	3603.51	--	29.36	--	3574.15
MW-21	03/21/16	3603.51	--	28.90	--	3574.61
MW-21	09/22/16	3603.51	28.84	28.85	0.01	3574.67
MW-21	03/22/17	3603.51	--	28.26	--	3575.25
MW-21	09/18/17	3603.51	--	28.79	--	3574.72
MW-22	06/08/02	3603.27	--	24.20	--	3579.07
MW-22	06/13/02	3603.27	--	24.41	--	3578.86
MW-22	06/15/02	3603.27	--	24.44	--	3578.83
MW-22	09/20/02	3603.27	--	24.59	--	3578.68
MW-22	10/15/02	3603.27	--	24.69	--	3578.58
MW-22	10/22/02	3603.27	--	24.67	--	3578.60
MW-22	10/25/02	3603.27	--	24.66	--	3578.61
MW-22	10/26/02	3603.27	--	24.70	--	3578.57
MW-22	11/04/02	3603.27	--	24.63	--	3578.64
MW-22	11/05/02	3603.27	--	24.55	--	3578.72
MW-22	11/22/02	3603.27	--	24.55	--	3578.72
MW-22	11/29/02	3603.27	--	24.51	--	3578.76
MW-22	12/16/02	3603.27	--	24.50	--	3578.77
MW-22	01/22/03	3603.27	--	24.40	--	3578.87
MW-22	02/08/03	3603.27	--	24.44	--	3578.83
MW-22	02/14/03	3603.27	--	24.45	--	3578.82
MW-22	02/24/03	3603.27	--	24.50	--	3578.77
MW-22	04/07/03	3603.27	--	24.67	--	3578.60
MW-22	04/24/03	3603.27	--	24.67	--	3578.60
MW-22	07/15/03	3603.27	--	25.00	--	3578.27
MW-22	08/02/03	3603.27	--	25.09	--	3578.18
MW-22	09/11/03	3603.27	--	25.16	--	3578.11
MW-22	10/15/03	3603.27	--	25.30	--	3577.97
MW-22	01/19/04	3603.27	--	25.60	--	3577.67

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-22	04/19/04	3603.27	--	25.59	--	3577.68
MW-22	07/20/04	3603.27	--	25.35	--	3577.92
MW-22	10/25/04	3603.27	--	23.79	--	3579.48
MW-22	01/24/05	3603.27	--	22.25	--	3581.02
MW-22	04/18/05	3603.27	--	21.95	--	3581.32
MW-22	07/18/05	3603.27	--	22.25	--	3581.02
MW-22	10/17/05	3603.27	--	22.17	--	3581.10
MW-22	01/23/06	3603.27	--	22.49	--	3580.78
MW-22	04/24/06	3603.27	--	22.99	--	3580.28
MW-22	07/24/06	3603.27	--	23.42	--	3579.85
MW-22	10/23/06	3603.27	--	23.09	--	3580.18
MW-22	01/23/07	3603.27	--	23.17	--	3580.10
MW-22	04/23/07	3603.27	--	23.56	--	3579.71
MW-22	07/23/07	3603.27	--	23.57	--	3579.70
MW-22	10/22/07	3603.27	--	23.58	--	3579.69
MW-22	01/28/08	3603.27	--	23.63	--	3579.64
MW-22	04/21/08	3603.27	--	24.01	--	3579.26
MW-22	07/21/08	3603.27	--	24.46	--	3578.81
MW-22	10/20/08	3603.27	--	24.65	--	3578.62
MW-22	01/19/09	3603.27	--	24.73	--	3578.54
MW-22	04/20/09	3603.27	--	25.08	--	3578.19
MW-22	07/27/09	3603.27	--	25.42	--	3577.85
MW-22	10/26/09	3603.27	--	25.40	--	3577.87
MW-22	01/25/10	3603.27	--	25.68	--	3577.59
MW-22	04/26/10	3603.27	--	25.84	--	3577.43
MW-22	07/26/10	3603.27	--	25.61	--	3577.66
MW-22	10/25/10	3603.27	--	25.20	--	3578.07
MW-22	01/24/11	3603.27	--	25.72	--	3577.55
MW-22	04/18/11	3603.27	--	26.10	--	3577.17
MW-22	10/10/11	3603.27	--	26.75	--	3576.52
MW-22	05/30/12	3603.27	--	27.59	--	3575.68
MW-22	02/27/13	3603.27	--	DRY	--	DRY
MW-22	07/23/13	3603.27	--	28.63	--	3574.64
MW-22	03/25/14	3603.27	--	29.03	--	3574.24
MW-22	07/29/14	3603.27	--	29.51	--	3573.76
MW-22	03/10/15	3603.27	--	28.84	--	3574.43
MW-22	07/27/15	3603.27	--	28.80	--	3574.47
MW-22	03/21/16	3603.27	--	28.20	--	3575.07
MW-22	09/22/16	3603.27	--	28.75	--	3574.52
MW-22	03/22/17	3603.27	--	27.70	--	3575.57
MW-22	09/18/17	3603.27	--	28.14	--	3575.13
MW-23	06/08/02	3604.62	--	25.15	--	3579.47

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-23	06/13/02	3604.62	--	25.13	--	3579.49
MW-23	06/15/02	3604.62	--	25.15	--	3579.47
MW-23	09/20/02	3604.62	--	25.30	--	3579.32
MW-23	10/15/02	3604.62	--	25.40	--	3579.22
MW-23	10/22/02	3604.62	--	25.38	--	3579.24
MW-23	10/25/02	3604.62	--	25.40	--	3579.22
MW-23	10/26/02	3604.62	--	25.39	--	3579.23
MW-23	11/04/02	3604.62	--	25.40	--	3579.22
MW-23	11/05/02	3604.62	--	25.40	--	3579.22
MW-23	11/22/02	3604.62	--	25.41	--	3579.21
MW-23	11/29/02	3604.62	--	25.34	--	3579.28
MW-23	12/16/02	3604.62	--	25.15	--	3579.47
MW-23	01/22/03	3604.62	--	25.15	--	3579.47
MW-23	02/08/03	3604.62	--	25.17	--	3579.45
MW-23	02/14/03	3604.62	--	25.26	--	3579.36
MW-23	02/24/03	3604.62	--	25.40	--	3579.22
MW-23	04/07/03	3604.62	--	25.45	--	3579.17
MW-23	04/24/03	3604.62	--	25.48	--	3579.14
MW-23	07/15/03	3604.62	--	25.70	--	3578.92
MW-23	08/02/03	3604.62	--	25.77	--	3578.85
MW-23	09/11/03	3604.62	--	25.85	--	3578.77
MW-23	10/15/03	3604.62	--	26.02	--	3578.60
MW-23	01/19/04	3604.62	--	26.31	--	3578.31
MW-23	04/19/04	3604.62	--	26.34	--	3578.28
MW-23	07/20/04	3604.62	--	26.17	--	3578.45
MW-23	10/25/04	3604.62	--	24.56	--	3580.06
MW-23	01/24/05	3604.62	--	23.25	--	3581.37
MW-23	04/18/05	3604.62	--	22.85	--	3581.77
MW-23	07/18/05	3604.62	--	23.04	--	3581.58
MW-23	10/17/05	3604.62	--	22.97	--	3581.65
MW-23	01/23/06	3604.62	--	23.22	--	3581.40
MW-23	04/24/06	3604.62	--	23.69	--	3580.93
MW-23	07/24/06	3604.62	--	24.12	--	3580.50
MW-23	10/23/06	3604.62	--	23.85	--	3580.77
MW-23	01/23/07	3604.62	--	23.86	--	3580.76
MW-23	04/23/07	3604.62	--	24.24	--	3580.38
MW-23	07/23/07	3604.62	--	24.28	--	3580.34
MW-23	10/22/07	3604.62	--	24.26	--	3580.36
MW-23	01/28/08	3604.62	--	24.34	--	3580.28
MW-23	04/21/08	3604.62	--	24.66	--	3579.96
MW-23	07/21/08	3604.62	--	25.09	--	3579.53
MW-23	10/20/08	3604.62	--	25.32	--	3579.30
MW-23	01/19/09	3604.62	--	25.40	--	3579.22

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-23	04/20/09	3604.62	--	25.70	--	3578.92
MW-23	07/27/09	3604.62	--	26.07	--	3578.55
MW-23	10/26/09	3604.62	--	26.10	--	3578.52
MW-23	01/25/10	3604.62	--	26.39	--	3578.23
MW-23	04/26/10	3604.62	--	26.59	--	3578.03
MW-23	07/26/10	3604.62	--	26.37	--	3578.25
MW-23	10/25/10	3604.62	--	26.01	--	3578.61
MW-23	01/24/11	3604.62	--	26.45	--	3578.17
MW-23	04/18/11	3604.62	--	26.82	--	3577.80
MW-23	10/10/11	3604.62	--	27.45	--	3577.17
MW-23	05/30/12	3604.62	--	28.29	--	3576.33
MW-23	02/27/13	3604.62	--	28.93	--	3575.69
MW-23	07/23/13	3604.62	--	29.38	--	3575.24
MW-23	03/25/14	3604.62	--	29.83	--	3574.79
MW-23	07/29/14	3604.62	--	30.20	--	3574.42
MW-23	03/10/15	3604.62	--	29.66	--	3574.96
MW-23	07/27/15	3604.62	--	29.70	--	3574.92
MW-23	03/21/16	3604.62	--	29.06	--	3575.56
MW-23	09/22/16	3604.62	--	29.53	--	3575.09
MW-23	03/22/17	3604.62	--	28.57	--	3576.05
MW-23	09/18/17	3604.62	--	28.90	--	3575.72
MW-24	01/25/10	3608.89	--	30.11	--	3578.78
MW-24	04/26/10	3608.89	--	30.29	--	3578.60
MW-24	07/26/10	3608.89	--	30.08	--	3578.81
MW-24	10/25/10	3608.89	--	29.96	--	3578.93
MW-24	01/24/11	3608.89	--	30.24	--	3578.65
MW-24	04/18/11	3608.89	--	30.51	--	3578.38
MW-24	10/10/11	3608.89	--	30.92	--	3577.97
MW-24	05/30/12	3608.89	--	31.59	--	3577.30
MW-24	02/27/13	3608.89	--	32.23	--	3576.66
MW-24	07/23/13	3608.89	--	32.59	--	3576.30
MW-24	03/25/14	3608.89	--	33.12	--	3575.77
MW-24	07/29/14	3608.89	--	33.43	--	3575.46
MW-24	03/10/15	3608.89	--	33.35	--	3575.54
MW-24	07/27/15	3608.89	--	33.46	--	3575.43
MW-24	03/21/16	3608.89	--	33.10	--	3575.79
MW-24	09/22/16	3608.89	--	33.12	--	3575.77
MW-24	03/22/17	3608.89	--	32.47	--	3576.42
MW-24	09/18/17	3608.89	--	32.80	--	3576.09
MW-25	01/25/10	3609.81	--	31.00	--	3578.81
MW-25	04/26/10	3609.81	--	31.19	--	3578.62

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-25	07/26/10	3609.81	--	30.96	--	3578.85
MW-25	10/25/10	3609.81	--	30.87	--	3578.94
MW-25	01/24/11	3609.81	--	31.14	--	3578.67
MW-25	04/18/11	3609.81	--	31.40	--	3578.41
MW-25	10/10/11	3609.81	--	31.79	--	3578.02
MW-25	05/30/12	3609.81	--	32.43	--	3577.38
MW-25	02/27/13	3609.81	--	33.09	--	3576.72
MW-25	07/23/13	3609.81	--	33.42	--	3576.39
MW-25	03/25/14	3609.81	--	33.94	--	3575.87
MW-25	07/29/14	3609.81	--	34.25	--	3575.56
MW-25	03/10/15	3609.81	--	34.20	--	3575.61
MW-25	07/27/15	3609.81	--	34.30	--	3575.51
MW-25	03/21/16	3609.81	--	33.96	--	3575.85
MW-25	09/22/16	3609.81	--	34.00	--	3575.81
MW-25	03/22/17	3609.81	--	33.34	--	3576.47
MW-25	09/18/17	3609.81	--	33.69	--	3576.12
MW-26	01/25/10	3604.86	--	26.54	--	3578.32
MW-26	04/26/10	3604.86	--	26.71	--	3578.15
MW-26	07/26/10	3604.86	--	26.50	--	3578.36
MW-26	10/25/10	3604.86	--	26.19	--	3578.67
MW-26	01/24/11	3604.86	--	26.61	--	3578.25
MW-26	04/18/11	3604.86	--	26.94	--	3577.92
MW-26	10/10/11	3604.86	--	27.51	--	3577.35
MW-26	05/30/12	3604.86	--	28.32	--	3576.54
MW-26	02/27/13	3604.86	--	29.01	--	3575.85
MW-26	07/23/13	3604.86	--	29.43	--	3575.43
MW-26	03/25/14	3604.86	--	29.90	--	3574.96
MW-26	07/29/14	3604.86	--	30.31	--	3574.55
MW-26	03/10/15	3604.86	--	29.85	--	3575.01
MW-26	07/27/15	3604.86	--	29.90	--	3574.96
MW-26	03/21/16	3604.86	--	29.30	--	3575.56
MW-26	09/22/16	3604.86	--	29.60	--	3575.26
MW-26	03/22/17	3604.86	--	28.75	--	3576.11
MW-26	09/18/17	3604.86	--	29.11	--	3575.75
MW-27	01/25/10	3604.99	--	26.70	--	3578.29
MW-27	04/26/10	3604.99	--	26.87	--	3578.12
MW-27	07/26/10	3604.99	--	26.66	--	3578.33
MW-27	10/25/10	3604.99	--	26.35	--	3578.64
MW-27	01/24/11	3604.99	--	26.77	--	3578.22
MW-27	04/18/11	3604.99	--	27.10	--	3577.89
MW-27	10/10/11	3604.99	--	27.67	--	3577.32

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
MW-27	05/30/12	3604.99	--	28.46	--	3576.53
MW-27	02/27/13	3604.99	--	29.11	--	3575.88
MW-27	07/23/13	3604.99	--	29.55	--	3575.44
MW-27	03/25/14	3604.99	--	30.02	--	3574.97
MW-27	07/29/14	3604.99	--	30.40	--	3574.59
MW-27	03/10/15	3604.99	--	29.97	--	3575.02
MW-27	07/27/15	3604.99	--	30.01	--	3574.98
MW-27	03/21/16	3604.99	--	29.45	--	3575.54
MW-27	09/22/16	3604.99	--	30.74	--	3574.25
MW-27	03/22/17	3604.99	--	28.87	--	3576.12
MW-27	09/18/17	3604.99	--	29.30	--	3575.69
SVE-10	06/15/02	3605.12	--	25.24	--	3579.88
SVE-10	11/04/02	3605.12	--	25.43	--	3579.69
SVE-10	11/05/02	3605.12	--	25.44	--	3579.68
SVE-10	11/22/02	3605.12	--	25.58	--	3579.54
SVE-10	11/29/02	3605.12	--	25.63	--	3579.49
SVE-10	12/16/02	3605.12	--	25.68	--	3579.44
SVE-10	01/22/03	3605.12	--	25.70	--	3579.42
SVE-10	02/08/03	3605.12	--	25.73	--	3579.39
SVE-10	02/14/03	3605.12	--	25.70	--	3579.42
SVE-10	02/24/03	3605.12	--	25.73	--	3579.39
SVE-10	04/07/03	3605.12	--	25.93	--	3579.19
SVE-10	04/24/03	3605.12	--	25.84	--	3579.28
SVE-10	07/15/03	3605.12	--	25.86	--	3579.26
SVE-10	08/02/03	3605.12	--	25.93	--	3579.19
SVE-10	10/15/03	3605.12	--	25.94	--	3579.18
SVE-10	01/19/04	3605.12	--	26.79	--	3578.33
SVE-10	04/19/04	3605.12	--	26.62	--	3578.50
SVE-10	07/20/04	3605.12	--	26.86	--	3578.26
SVE-10	10/25/04	3605.12	--	25.22	--	3579.90
SVE-10	01/24/05	3605.12	--	24.01	--	3581.11
SVE-10	04/18/05	3605.12	--	23.79	--	3581.33
SVE-10	07/18/05	3605.12	--	23.91	--	3581.21
SVE-10	10/17/05	3605.12	--	23.89	--	3581.23
SVE-10	01/23/06	3605.12	--	24.11	--	3581.01
SVE-10	04/24/06	3605.12	--	24.50	--	3580.62
SVE-10	07/24/06	3605.12	--	24.87	--	3580.25
SVE-10	10/23/06	3605.12	--	24.76	--	3580.36
SVE-10	01/23/07	3605.12	--	24.84	--	3580.28
SVE-10	04/23/07	3605.12	--	25.11	--	3580.01
SVE-10	07/23/07	3605.12	--	25.24	--	3579.88
SVE-10	10/22/07	3605.12	--	25.27	--	3579.85

Historical Groundwater Elevation Data
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Casing Elevation (ft-amsl)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft-amsl)
SVE-10	01/28/08	3605.12	--	25.34	--	3579.78
SVE-10	04/21/08	3605.12	--	25.56	--	3579.56
SVE-10	07/21/08	3605.12	--	25.87	--	3579.25
SVE-10	10/20/08	3605.12	--	26.10	--	3579.02
SVE-10	01/19/09	3605.12	--	26.20	--	3578.92
SVE-10	04/20/09	3605.12	--	26.44	--	3578.68
SVE-10	07/27/09	3605.12	--	26.70	--	3578.42
SVE-10	10/26/09	3605.12	--	26.83	--	3578.29
SVE-10	01/25/10	3605.12	--	27.10	--	3578.02
SVE-10	04/26/10	3605.12	--	27.26	--	3577.86
SVE-10	07/26/10	3605.12	--	27.03	--	3578.09
SVE-10	10/25/10	3605.12	--	26.82	--	3578.30
SVE-10	01/24/11	3605.12	--	27.19	--	3577.93
SVE-10	04/18/11	3605.12	--	27.47	--	3577.65
SVE-10	10/10/11	3605.12	--	27.95	--	3577.17
SVE-10	05/30/12	3605.12	--	28.47	--	3576.65
SVE-10	02/27/13	3605.12	--	DRY	--	DRY
SVE-10	07/23/13	3605.12	--	DRY	--	DRY
SVE-10	03/25/14	3605.12	--	DRY	--	DRY
SVE-10	07/29/14	3605.12	--	28.47	--	3576.65
SVE-10	03/10/15	3605.12	--	DRY	--	DRY
SVE-10	07/27/15	3605.12	--	28.60	--	3576.52
SVE-10	03/21/16	3605.12	--	28.50	--	3576.62
SVE-10	09/22/16	3605.12	--	30.32	--	3574.80
SVE-10	03/22/17	3605.12	--	28.52	--	3576.60
SVE-10	09/18/17	3605.12	--	DRY	--	DRY

Notes:

1. ft-amsl = feet - above mean sea level
2. LNAPL = Light Non-Aqueous Phase Liquid
3. ft-btoc = feet below top of casing
4. ft = feet
5. -- = not detected
5. DRY = well dry upon gauging
6. Corrected Groundwater Elevation = Top of Casing - (Depth To Water - (0.78 x LNAPL Thickness))

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-2	07/29/09	**15.0**	**2.0**	0.640	**1.54**	62.0	10.0
MW-2	10/28/09	**9.80**	**0.82**	0.420	**0.93**	36.0	2.6
MW-2	01/27/10	0.001	0.001	0.011	0.001	0.71	2.2
MW-2	03/27/17	**1.0**	0.14	0.160	0.220	6.80	1.3
MW-2	09/19/17	NS/LNAPL	NS/LNAPL	NS/LNAPL	NS/LNAPL	NS/LNAPL	NS/LNAPL
MW-3	01/23/03	**1.44**	0.019	0.030	0.079	5.56	13.6
MW-3	04/24/08	**13.0**	0.540	0.660	**1.44**	120	13
MW-3	07/25/08	**10.0**	0.130	0.460	**0.85**	59	22
MW-3	10/22/08	**15.0**	0.270	0.490	**1.10**	NA	2.3
MW-3	07/29/09	**9.20**	0.080	0.330	**0.70**	33	3.7
MW-3	10/28/09	**6.40**	0.026	0.270	0.59	22	3.9
MW-3	01/27/10	**7.70**	0.022	0.310	0.38	48	2.6
MW-3	04/28/10	**6.30**	0.053	0.350	**0.71**	26	8.0
MW-3	05/31/12	**2.54**	<0.025	0.158	0.307	13	18.1
MW-3	03/12/15	**0.247**	<0.001	0.129	0.0299	2.2	66.2
MW-3 Duplicate	03/12/15	**0.331**	0.0011	0.142	0.0539	3.1	57.0
MW-3	07/29/15	**0.431**	0.217	<0.005	0.243	6.9	20.9
MW-3 Duplicate	07/29/15	**0.525**	0.28	<0.005	0.403	10.1	3.0
MW-3	03/22/16	**0.161**	0.182	<0.005	0.0795	2.9	5.5
MW-3	03/24/17	**0.0068**	0.00018J	0.0082	0.0063	0.56	5.9
MW-3	09/19/17	**0.011**	0.00029J	0.024	0.019	1.1	7.7
MW-3 Duplicate	09/19/17	**0.016**	0.00023J	0.065	0.060	2.1	63.3
MW-4	01/13/00	<0.5	<0.5	<0.5	<0.5	<0.002	<0.002
MW-4	04/06/00	**0.019**	0.001	0.001	0.003	<0.001	<0.001
MW-4	08/02/00	0.002	<0.5	<0.5	<0.002	<0.98	<0.98
MW-4	11/15/00	**0.024**	0.001	0.001	<0.002	0.52	<0.50
MW-4	03/06/01	**0.110**	0.002	0.009	0.016	1.7	<0.55
MW-4	06/25/01	**0.066**	0.001	0.001	<0.002	0.83	<0.59
MW-4	09/26/01	**0.080**	0.001	0.004	0.006	0.55	<0.50
MW-4	12/12/01	**0.039**	0.002	<0.0010	<0.0010	0.369	<0.101
MW-4	05/21/02	**0.078**	0.008	0.002	0.006	0.567	<0.103
MW-4	10/16/02	**0.045**	<0.001	0.003	0.005	0.177	<0.102
MW-4	01/23/03	**0.268**	0.160	0.008	0.089	1.58	0.141
MW-4	04/25/03	**0.589**	0.372	0.016	0.114	2.4	0.159
MW-4	07/14/03	**0.055**	0.046	0.005	0.011	0.405	<0.10
MW-4	10/17/03	0.007	0.003	<0.001	<0.003	<0.10	0.59
MW-4	01/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-4	04/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-4	07/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-4	10/28/04	0.002	<0.001	<0.001	<0.003	<0.10	0.19
MW-4	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.19
MW-4	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-4	07/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.31
MW-4	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.093

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-4	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.23
MW-4	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.073
MW-4	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.34
MW-4	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.16
MW-4	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.15
MW-4	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.058
MW-4	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.26
MW-4	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.051
MW-4	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-4	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-4	07/24/08	<0.001	0.001	<0.001	<0.001	<0.10	<0.10
MW-4	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-4	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.062
MW-4	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-4	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-4	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-4	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.17
MW-4	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.072
MW-4	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-4	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-4	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
MW-4	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-4	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-4	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-4	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-4	09/22/16	<0.001	<0.001	<0.001	<0.003	0.024J	0.46
MW-4	03/27/17	<0.001	0.00076J	<0.001	<0.003	0.022J	<0.45
MW-5	01/13/00	<0.5	<0.5	<0.5	<0.5	<0.0020	<0.0020
MW-5	04/06/00	<0.5	<0.5	<0.5	<0.002	<0.001	<0.001
MW-5	08/02/00	<0.5	<0.5	<0.5	<0.002	<0.99	<0.99
MW-5	11/15/00	0.001	0.001	<0.5	<0.002	0.26	0.92
MW-5	03/06/01	0.008	0.007	0.001	<0.002	0.66	<0.54
MW-5	06/25/01	**0.019**	0.026	0.002	<0.002	0.87	<0.53
MW-5	09/26/01	**0.085**	0.046	0.003	0.018	0.76	<0.50
MW-5	12/12/01	**0.164**	0.106	0.007	0.050	1.42	<0.101
MW-5	05/21/02	**0.146**	0.119	0.011	0.032	1.23	<0.101
MW-5	10/16/02	**0.273**	0.179	<0.010	0.042	1.60	0.188
MW-5	01/23/03	**1.98**	**1.48**	0.068	0.594	10	0.548
MW-5	04/25/03	**1.19**	**0.863**	0.058	0.318	6.37	0.256
MW-5	07/14/03	**0.119**	0.123	0.013	0.042	0.842	<0.10
MW-5	10/17/03	**0.022**	0.022	0.003	0.010	<0.10	0.99
MW-5	01/22/04	**0.032**	0.012	0.001	<0.003	0.16	<0.048
MW-5	04/22/04	**0.020**	0.023	0.002	0.004	0.32	<0.20
MW-5 Duplicate	04/22/04	**0.021**	0.027	0.002	0.006	0.37	<0.20
MW-5	07/23/04	**0.011**	0.010	0.001	<0.003	0.13	<0.048
MW-5	10/28/04	**0.028**	0.029	0.002	0.008	0.20	0.077

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-5	01/26/05	0.009	0.009	0.002	0.005	<0.10	0.069
MW-5 Duplicate	01/26/05	0.009	0.009	0.002	0.005	<0.10	0.098
MW-5	04/20/05	**0.079**	0.036	<0.001	0.043	0.42	0.064
MW-5	07/20/05	0.005	0.004	<0.001	<0.003	<0.10	0.083
MW-5	10/19/05	**0.014**	0.010	<0.001	0.011	<0.10	0.089
MW-5	01/25/06	0.002	0.003	<0.001	<0.003	<0.10	0.53
MW-5	04/26/06	<0.001	0.001	<0.001	<0.003	<0.10	0.11
MW-5	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.19
MW-5	10/25/06	<0.001	0.001	<0.001	<0.003	<0.10	0.08
MW-5	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.15
MW-5	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.23
MW-5	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.34
MW-5	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.33
MW-5	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	0.11
MW-5	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-5	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-5	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	2.4
MW-5	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-5	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-5	07/29/09	0.007	0.006	<0.001	0.049	0.29	0.34
MW-5	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.065
MW-5	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.15
MW-5	04/27/10	<0.001	0.001	<0.001	<0.001	<0.10	0.078
MW-5	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-5	10/26/10	<0.001	<0.001	<0.001	0.004	<0.10	<0.05
MW-5	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
MW-5	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-5	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-5	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-5	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-5 Duplicate	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-5	03/27/17	<0.001	0.00023J	<0.001	<0.003	0.011J	<0.50
MW-6	01/13/00	**3.30**	**2.00**	0.240	0.580	<0.002	<0.002
MW-6	04/06/00	**3.90**	**1.10**	0.270	0.540	<0.001	<0.001
MW-6	07/20/05	**2.00**	**0.92**	0.340	**0.870**	12	3.0
MW-6	10/20/05	**1.70**	**1.10**	0.300	**0.940**	1.7	5.9
MW-6	01/26/06	**2.00**	**0.77**	0.25	**0.70**	16	5.8
MW-6	07/27/06	**1.90**	0.25	0.28	0.38	11	22
MW-6	10/26/06	**1.60**	**0.81**	0.36	**0.69**	14	15
MW-6	01/26/07	**1.10**	0.75	0.28	0.50	14	29
MW-6	04/26/07	**1.50**	**1.20**	0.31	**0.66**	15	6.7
MW-6	07/25/07	**0.69**	0.36	0.17	0.25	6.6	4.6
MW-6	10/25/07	**0.55**	0.39	0.15	0.18	4.5	4.4
MW-6 Duplicate	10/25/07	**0.93**	**0.84**	0.22	0.38	8.5	21.0
MW-6	01/31/08	**1.20**	**1.20**	0.31	0.52	11	8.9
MW-6 Duplicate	01/31/08	**1.20**	**1.10**	0.30	0.55	12	9.1

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-6	04/24/08	**1.50**	**1.50**	0.41	**0.84**	20	13
MW-6	07/25/08	**0.72**	0.69	0.25	0.41	8.4	17
MW-6	10/22/08	**0.55**	0.30	0.24	0.261	NA	0.56
MW-6	01/21/09	**0.35**	0.27	0.20	0.247	4.2	4.1
MW-6	04/22/09	**0.34**	0.28	0.18	0.275	11	5.8
MW-6	07/29/09	**0.18**	0.21	0.18	0.247	4.2	2.2
MW-6	10/28/09	**0.20**	0.13	0.29	0.31	6.9	5.1
MW-6	01/27/10	**0.098**	0.050	0.18	0.164	4.2	3
MW-6	04/28/10	**0.047**	0.017	0.12	0.071	2.7	0.72
MW-6	07/28/10	**0.040**	0.014	0.18	0.102	3.1	2.9
MW-6	10/27/10	**0.020**	0.003	0.13	0.022	2.8	1.0
MW-6	01/26/11	**0.027**	0.003	0.13	0.009	2.4	12
MW-6	10/13/11	0.003	<0.001	0.039	<0.003	<0.5	1.4
MW-6	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.5	1.5
MW-6	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	0.76
MW-6	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	3.5
MW-6	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	1.2
MW-6	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-6	03/12/15	<0.001	<0.001	<0.001	<0.003	<0.50	4.0
MW-6	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	2.2
MW-6	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	0.71
MW-6	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	0.54
MW-6	03/27/17	<0.001	0.00070J	<0.001	<0.003	<0.50	<0.56
MW-6	09/19/17	0.00016J	<0.001	0.00019J	<0.003	0.034J	0.84
MW-7	05/31/12	**9.75**	<0.1	0.635	**1.64**	988.0	37.8
MW-7	02/28/13	**6.49**	<0.10	0.333	0.326	24.6	21.4
MW-7	07/29/13	**4.13**	<0.01	0.493	<0.03	21.0	118
MW-7	03/24/17	**0.75**	<0.02	0.094	<0.06	3.2J	59.8
MW-8	01/13/00	<0.5	<0.5	<0.5	<0.5	<0.002	<0.002
MW-8	04/06/00	<0.5	<0.5	<0.5	<0.002	<0.001	<0.001
MW-8	08/02/00	<0.5	<0.5	<0.5	<0.002	<0.94	<0.94
MW-8	11/15/00	<0.5	<0.5	<0.5	<0.002	<0.001	0.86
MW-8	03/06/01	<0.5	<0.5	<0.5	<0.002	<0.001	<0.54
MW-8	06/25/01	<0.5	<0.5	<0.5	<0.002	<0.10	<0.55
MW-8	09/26/01	**0.054**	0.001	<0.5	0.002	0.24	<0.50
MW-8	12/12/01	**0.593**	0.018	0.009	0.048	1.56	0.107
MW-8	05/21/02	**0.912**	0.057	0.050	0.092	2.90	<0.101
MW-8	10/16/02	NA	NA	NA	NA	NA	0.269
MW-8	01/22/03	**2.52**	0.406	0.252	0.398	10.5	1.73
MW-8	01/31/08	**2.30**	0.270	0.340	**0.890**	30	130
MW-8	05/31/12	**4.61**	<0.1	0.152	<0.3	7	165
MW-8	02/28/13	**1.92**	0.0227	0.0746	0.0819	8.7	8
MW-8	07/29/13	**1.30**	<0.01	0.0609	<0.03	5.5	9.6
MW-8	03/26/14	**1.88**	<0.01	0.0612	<0.03	8.9	<0.50
MW-8	07/30/14	**0.955**	0.0514	<0.01	<0.03	2.7	<0.50

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-8	03/11/15	**0.0249**	<0.001	0.0066	<0.003	2.4	2.3
MW-8 Duplicate	03/11/15	**0.0179**	<0.001	0.0050	<0.003	1.9	9.8
MW-8	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	1.5
MW-8	03/22/16	<0.001	<0.001	<0.001	<0.003	0.57	7.0
MW-8	09/22/16	0.000074J	<0.001	0.00019J	<0.003	0.25J	2.6
MW-8	03/27/17	<0.001	0.0012	<0.001	<0.003	0.37J	1.1
MW-8	09/19/17	0.00032J	0.00024J	<0.001	<0.003	0.043J	0.70
MW-9	04/24/08	**21.0**	**0.940**	0.57	**1.38**	79	25
MW-9	03/24/17	**8.7**	<0.01	0.45	**0.84**	41.6	10.5
MW-9 Duplicate	03/24/17	**10.2**	<0.020	0.47	**0.86**	41.5	10.6
MW-10	01/13/00	**4.10**	0.490	0.440	**0.720**	<0.002	<0.002
MW-10	04/06/00	**0.40**	0.053	0.066	0.098	<0.001	<0.001
MW-10	08/02/00	**0.22**	0.012	0.027	0.055	<1.10	<1.10
MW-10	05/31/12	**7.43**	<0.1	<0.1	<0.3	<50	20
MW-10	02/28/13	**3.18**	<0.05	<0.05	<0.15	8.6	3.1
MW-10	07/29/13	**3.63**	<0.02	0.0385	0.0601	11.6	2.0
MW-10	03/12/15	**7.57**	<0.020	0.128	<0.060	21.1	2.0
MW-10	03/22/16	**4.160**	<0.050	<0.050	<0.150	14.4 J	4.8
MW-10	09/22/16	0.00078J	<0.001	0.00019J	<0.003	0.20J	1.1
MW-10	03/24/17	**1.5**	0.0012	0.0032	<0.003	7.6	2.3
MW-10	09/19/17	**1.7**	<0.001	0.0032J	<0.003	8.8	11.7
MW-11	04/06/00	**4.10**	**2.40**	0.29	0.420	1.60	1.60
MW-11	08/02/00	**3.90**	**2.10**	0.26	0.510	2.50	2.50
MW-11	11/15/00	**4.80**	**2.50**	0.22	0.350	30	<0.53
MW-11	03/06/01	**5.30**	**3.40**	0.34	0.580	41	0.59
MW-11	06/25/01	**5.10**	**3.70**	0.34	<0.040	49	0.87
MW-11	04/24/08	**7.40**	0.360	0.68	**1.80**	34	28
MW-11	07/25/08	**7.60**	0.460	**0.99**	**2.45**	36	20
MW-11	10/22/08	**8.60**	0.460	**1.00**	**2.70**	NA	6.1
MW-11	01/21/09	**6.60**	0.210	0.72	**1.91**	28	6.8
MW-11	07/29/09	**5.90**	0.080	**0.77**	**2.02**	39	7.1
MW-11	10/28/09	**5.20**	0.043	**0.88**	**2.41**	29	8.6
MW-11	01/27/10	**5.60**	0.076	**0.97**	**2.48**	67	10
MW-11	07/28/10	**3.80**	**1.50**	0.70	**1.67**	29	10
MW-12	04/06/00	**2.00**	0.200	0.110	0.200	<1.20	<1.20
MW-12	08/02/00	**2.90**	0.022	0.097	0.160	<0.97	<0.97
MW-12	11/15/00	**4.10**	0.087	0.170	0.220	21	1.40
MW-12	03/06/01	**4.30**	0.120	0.210	0.290	24	<0.56
MW-12	06/25/01	**4.10**	0.120	0.220	<0.040	30	1.10
MW-12	09/26/01	**3.30**	0.120	0.150	0.200	19	0.85
MW-12	12/12/01	**3.52**	0.290	0.258	0.376	18.5	0.285
MW-12	05/21/02	**4.04**	0.265	0.195	0.284	16.4	0.104
MW-12	10/16/02	NA	NA	NA	NA	NA	0.351

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-12	01/23/03	**3.61**	0.346	0.261	0.437	20.1	0.442
MW-12	04/25/03	**3.51**	0.202	0.078	0.437	13.2	0.594
MW-12	07/14/03	**3.90**	0.316	0.357	0.575	17.1	0.598
MW-12	10/20/03	**1.90**	0.030	0.130	0.220	6.40	0.23
MW-12	01/21/04	**2.70**	0.130	0.300	0.450	12	0.25
MW-12	04/21/04	**2.90**	<0.010	0.095	0.150	11	<0.20
MW-12	07/23/04	**3.20**	<0.010	0.066	0.160	12	0.33
MW-12 Duplicate	07/23/04	**3.30**	<0.010	0.071	0.160	12	0.33
MW-12	10/28/04	**3.20**	0.016	0.046	0.140	14	0.52
MW-12	01/27/05	**4.00**	<0.020	0.066	0.130	15	1.20
MW-12 Duplicate	01/27/05	**3.90**	<0.020	0.067	0.130	15	1.30
MW-12	04/21/05	**2.70**	0.041	0.120	0.140	12	1.20
MW-12 Duplicate	04/21/05	**2.60**	0.038	0.110	0.140	12	1.00
MW-12	07/21/05	**3.00**	0.051	0.160	0.170	13	0.85
MW-12 Duplicate	07/21/05	**2.80**	0.054	0.150	0.160	13	0.73
MW-12	10/20/05	**2.30**	<0.001	0.095	0.170	15	1.0
MW-12 Duplicate	10/20/05	**2.10**	0.021	0.100	0.160	13	0.95
MW-12	01/26/06	**2.80**	<0.001	0.059	0.140	14	0.89
MW-12 Duplicate	01/26/06	**2.90**	0.013	0.160	0.150	14	0.43
MW-12	04/27/06	**2.70**	<0.001	0.130	0.120	12	0.84
MW-12 Duplicate	04/27/06	**2.90**	<0.001	0.120	0.130	13	1.00
MW-12	07/27/06	**3.60**	<0.001	0.150	0.160	15	1.00
MW-12 Duplicate	07/27/06	**3.70**	<0.001	0.150	0.160	15	1.30
MW-12	10/26/06	**3.40**	<0.001	0.120	0.170	13	0.64
MW-12 Duplicate	10/26/06	**3.40**	<0.001	0.190	0.180	14	0.92
MW-12	01/26/07	**3.00**	<0.001	0.160	0.160	14	1.00
MW-12 Duplicate	01/26/07	**3.20**	<0.001	0.150	0.170	15	1.30
MW-12	04/26/07	**3.20**	<0.001	0.230	0.200	14	0.58
MW-12 Duplicate	04/26/07	**3.10**	<0.001	0.200	0.200	14	0.60
MW-12	07/25/07	**3.00**	<0.001	0.110	0.140	14	0.86
MW-12 Duplicate	07/25/07	**3.50**	0.004	0.210	0.220	15	1.7
MW-12	10/25/07	**2.70**	<0.001	0.096	0.140	12	0.60
MW-12 Duplicate	10/25/07	**2.90**	<0.001	0.180	0.180	14	0.95
MW-12	01/31/08	**2.80**	<0.001	0.200	0.180	12	0.63
MW-12 Duplicate	01/31/08	**3.10**	<0.001	0.280	0.255	13	0.67
MW-12	04/24/08	**3.40**	<0.010	0.240	0.225	15	<0.10
MW-12 Duplicate	04/24/08	**2.90**	<0.010	0.220	0.201	13	0.75
MW-12	07/25/08	**2.70**	<0.0025	0.130	0.100	8.9	0.53
MW-12 Duplicate	07/25/08	**2.50**	<0.0025	0.120	0.090	8.7	0.47
MW-12	10/22/08	**5.00**	0.007	0.350	0.300	NA	0.52
MW-12 Duplicate	10/22/08	**4.60**	0.007	0.340	0.287	NA	0.41
MW-12	01/21/09	**3.50**	<0.010	0.220	0.193	14	0.48
MW-12 Duplicate	01/21/09	**3.00**	<0.0020	0.240	0.180	14	0.47
MW-12	04/22/09	**3.60**	0.002	0.190	0.181	11	0.15
MW-12 Duplicate	04/22/09	**3.90**	0.001	0.230	0.221	14	0.28
MW-12	07/29/09	**4.10**	0.002	0.180	0.206	16	0.37
MW-12 Duplicate	07/29/09	**4.30**	0.002	0.200	0.220	17	0.28

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-12	10/28/09	**4.50**	0.002	0.180	0.209	17	0.42
MW-12 Duplicate	10/28/09	**4.30**	0.003	0.210	0.260	18	0.47
MW-12	01/27/10	**4.50**	0.002	0.170	0.174	18	0.45
MW-12 Duplicate	01/27/10	**4.20**	0.002	0.140	0.176	16	0.46
MW-12	04/28/10	**4.40**	<0.010	0.140	0.190	15	0.47
MW-12 Duplicate	04/28/10	**4.40**	<0.010	0.150	0.200	15	0.46
MW-12	07/28/10	**5.50**	<0.005	0.120	0.180	19	0.56
MW-12 Duplicate	07/28/10	**5.50**	<0.025	0.140	0.190	20	0.52
MW-12	10/27/10	**5.30**	<0.010	0.140	0.190	16	0.48
MW-12 Duplicate	10/27/10	**4.90**	<0.010	0.150	0.210	15	0.56
MW-12	01/26/11	**4.00**	<0.010	0.140	0.160	14	1.0
MW-12 Duplicate	01/26/11	**4.90**	<0.010	0.110	0.130	16	0.89
MW-12	10/13/11	**7.27**	<0.001	0.030	0.041	32	0.52
MW-12	05/31/12	**9.48**	<0.1	0.149	0.365	15	0.56
MW-12	02/28/13	**9.10**	<0.10	<0.10	<0.30	33.0	0.58
MW-12	07/29/13	**4.51**	<0.01	0.010	0.163	18.0	<0.50
MW-12	03/26/14	**3.67**	<0.025	<0.025	<0.075	14.0	<0.50
MW-12	07/30/14	**2.6**	<0.025	<0.025	<0.075	6.7	0.54
MW-12	03/11/15	**1.24**	<0.025	<0.025	<0.075	5.3	1.1
MW-12	07/29/15	**0.229**	<0.005	<0.005	<0.015	1.2	0.83
MW-12	03/22/16	0.004	<0.001	<0.001	<0.003	0.56	<0.45
MW-12	09/22/16	0.0017	<0.001	<0.001	<0.003	0.29J	0.82J
MW-12	03/24/07	0.0087	0.00097J	<0.001	<0.003	0.18J	0.66
MW-12	09/19/17	0.0010	<0.001	<0.001	<0.003	0.080J	0.32J
MW-13	06/02/00	<0.5	<0.5	<0.5	<0.002	<0.001	<0.001
MW-13	08/02/00	<0.5	<0.5	<0.5	<0.002	<0.99	<0.99
MW-13	11/15/00	<0.5	<0.5	<0.5	<0.002	<0.10	1.10
MW-13	03/06/01	<0.5	<0.5	<0.5	<0.002	<0.10	0.50
MW-13	06/25/01	**0.480**	0.001	<0.5	<0.002	2	<0.53
MW-13	09/26/01	<0.5	<0.5	<0.5	<0.002	<0.10	<0.51
MW-13	12/12/01	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	0.132
MW-13	05/21/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-13	10/16/02	NA	NA	NA	NA	NA	<0.102
MW-13	01/22/03	<1	<1	<1	<1	<0.10	<0.105
MW-13	04/24/03	<1	<1	<1	<1	<0.10	<0.105
MW-13	07/14/03	<0.0010	<0.001	<0.001	<0.001	<0.10	0.112
MW-13	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.26
MW-13	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-13	07/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	10/27/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	07/21/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	10/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.062
MW-13	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.087

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-13	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.077
MW-13	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-13	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.120
MW-13	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.10
MW-13	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.096
MW-13	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.086
MW-13	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-13	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-13	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-13	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-13	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.05
MW-13	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	01/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	04/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-13	01/26/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.20
MW-13	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-13	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-13	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-13	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-13 Duplicate	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-13	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-13	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-13	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-13	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-13	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-13	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	0.30J
MW-13	03/24/17	0.00020J	<0.001	<0.001	<0.003	<0.50	<0.45
MW-13	09/19/17	0.000072J	0.00020J	<0.001	<0.003	0.016J	0.25J
MW-14	06/02/00	**0.370**	0.005	0.002	0.011	<0.001	<0.001
MW-14	08/02/00	**0.760**	0.002	0.003	0.013	<0.001	<0.001
MW-14	11/15/00	**0.840**	0.001	<0.5	0.011	2.6	1.5
MW-14	03/06/01	**0.730**	<0.0025	<0.0025	0.011	2.8	<0.56
MW-14	06/25/01	**0.340**	0.001	<0.5	<0.002	1.4	NS
MW-14	09/26/01	**0.370**	<0.001	<0.001	<4.0	0.96	<0.50
MW-14	12/12/01	**0.393**	<0.010	<0.010	<0.010	0.89	0.148
MW-14	05/21/02	**0.042**	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-14	10/16/02	**0.228**	<0.0010	<0.0010	<0.0010	0.629	0.206
MW-14	01/23/03	**0.130**	<0.0010	<0.0010	<0.0010	0.375	0.108
MW-14	04/25/03	**0.025**	<0.0010	<0.0010	<0.0010	0.10	0.104
MW-14	07/14/03	**0.057**	<0.001	<0.001	<0.001	0.264	0.215
MW-14	10/20/03	<0.001	<0.001	<0.001	<0.003	0.11	0.14

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
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East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-14	01/21/04	**0.034**	<0.001	<0.001	<0.003	0.18	0.12
MW-14	04/21/04	0.005	<0.001	<0.001	<0.003	<0.10	<0.20
MW-14	07/22/04	0.004	<0.001	<0.001	<0.003	<0.10	0.059
MW-14	10/28/04	0.002	<0.001	<0.001	<0.003	<0.10	<0.048
MW-14	01/26/05	0.006	<0.001	<0.001	<0.003	<0.10	<0.048
MW-14	04/20/05	0.004	<0.001	<0.001	<0.003	<0.10	0.086
MW-14	07/21/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.058
MW-14	10/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.073
MW-14	01/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.33
MW-14	04/27/06	<0.001	<0.001	0.001	<0.003	<0.10	0.055
MW-14	07/27/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.077
MW-14	10/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-14	01/25/07	<0.001	<0.001	<0.001	<0.003	0.11	0.18
MW-14	04/26/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.13
MW-14	07/25/07	<0.001	<0.001	<0.001	<0.003	0.10	0.20
MW-14	10/25/07	<0.001	<0.001	<0.001	<0.003	0.12	0.098
MW-14	01/30/08	<0.001	<0.001	<0.001	<0.003	0.11	0.12
MW-14	04/23/08	0.001	<0.001	<0.001	<0.001	0.10	0.64
MW-14	07/24/08	0.001	<0.001	<0.001	<0.001	<0.10	0.11
MW-14	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	0.1
MW-14	01/21/09	0.001	<0.001	<0.001	<0.001	<0.10	0.086
MW-14	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.37
MW-14	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.063
MW-14	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.075
MW-14	01/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.068
MW-14	04/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.14
MW-14	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.13
MW-14	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.076
MW-14	01/26/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
MW-14	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-14	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-14	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-14	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-14	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-14	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	0.25J
MW-14	03/24/17	<0.001	<0.00094J	<0.001	<0.003	<0.50	<0.45
MW-14	09/19/17	0.000093J	0.00020J	<0.001	<0.003	0.011J	0.35J
MW-15	06/02/00	**0.83**	**0.77**	0.130	0.170	2.1	2.1
MW-15	08/02/00	**0.33**	0.25	0.042	0.052	2.8	2.8
MW-15	11/15/00	**2.00**	**2.00**	0.470	**0.650**	29	3.0
MW-15	07/20/05	**0.014**	<0.001	0.008	<0.003	1.1	15
MW-15	10/19/05	0.003	<0.001	0.005	<0.003	0.70	7.8
MW-15	01/25/06	0.005	0.010	<0.001	<0.003	0.89	23
MW-15	04/26/06	0.004	0.010	0.006	<0.003	0.87	30
MW-15	07/26/06	<0.001	<0.001	0.003	<0.003	0.45	9.3

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
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Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-15	10/25/06	<0.001	<0.001	4.7 F	<0.003	0.43	8.0
MW-15	01/25/07	<0.001	<0.001	<0.001	<0.003	0.32	7.0
MW-15	04/25/07	<0.001	<0.001	0.004	<0.003	0.43	3.6
MW-15	07/24/07	0.005	<0.001	0.005	<0.003	0.22	3.3
MW-15	10/24/07	<0.001	<0.001	0.003	<0.003	0.26	3.9
MW-15	01/30/08	0.002	<0.001	<0.001	<0.003	0.55	5.7
MW-15	04/23/08	0.001	<0.001	<0.001	0.001	0.43	11,000
MW-15	07/24/08	<0.010	<0.010	<0.010	<0.010	<0.001	0.37
MW-15	10/21/08	<0.001	0.002	<0.001	0.004	NA	2.6
MW-15	01/21/09	<0.001	<0.001	<0.001	0.001	0.38	14
MW-15	04/21/09	<0.001	<0.001	<0.001	0.001	0.20	27
MW-15	07/28/09	<0.001	<0.001	<0.001	<0.001	0.30	7.3
MW-15	10/27/09	<0.001	<0.001	<0.001	<0.001	0.16	8.5
MW-15	01/26/10	<0.001	<0.001	<0.001	<0.001	0.15	3
MW-15	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	4.3
MW-15	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	1.9
MW-15	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.48
MW-15	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	3.5
MW-15	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-15	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-15	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-16	06/02/00	0.001	0.001	0.021	0.007	<0.001	<0.001
MW-16	08/02/00	<0.5	<0.5	0.013	<0.002	<0.001	<0.001
MW-16	11/15/00	<0.5	0.001	0.004	<0.002	0.20	<0.50
MW-16	03/06/01	<0.5	0.001	0.008	<0.002	0.31	<0.56
MW-16	06/25/01	<0.5	<0.5	<0.5	<0.002	0.30	<0.56
MW-16	09/26/01	<0.5	0.001	<0.5	<0.002	0.19	<0.50
MW-16	12/12/01	0.002	<0.0010	<0.0010	<0.0010	0.132	0.248
MW-16	05/21/02	0.001	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-16	10/15/02	NA	NA	NA	NA	NA	NA
MW-16	01/22/03	0.001	<1	<1	<1	<0.10	0.124
MW-16	04/24/03	<1	<1	<1	<1	<0.10	0.124
MW-16	07/14/03	<0.0010	<0.001	<0.001	<0.001	<0.10	0.276
MW-16	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.98
MW-16	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-16	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-16	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-16	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.10	0.087
MW-16	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-16	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.08
MW-16	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.053
MW-16	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.050
MW-16	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.084
MW-16	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-16	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-16	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
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Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-16	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.063
MW-16	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.12
MW-16	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.12
MW-16	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-16	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-16	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-16	07/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.16
MW-16	10/21/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-16	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.25
MW-16	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-16	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-16	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-16	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.072
MW-16	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.055
MW-16	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.25
MW-16	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-16	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.20
MW-16	10/12/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-16	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-16	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-16	07/24/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-16	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.48
MW-16	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-16	03/24/17	<0.001	<0.001	<0.001	<0.003	0.031J	<0.45
MW-17	06/02/00	<0.5	<0.5	<0.5	<0.002	<0.001	<0.001
MW-17	08/02/00	0.006	<0.5	0.009	<0.002	<0.97	<0.97
MW-17	11/15/00	0.004	0.002	0.005	0.002	0.65	5.6
MW-17	03/06/01	0.007	0.002	0.039	0.014	0.98	<0.54
MW-17	06/25/01	0.001	<0.5	0.001	<0.002	0.44	NS
MW-17	09/26/01	0.001	0.002	0.001	<0.002	0.49	<0.50
MW-17	12/12/01	0.008	<0.0010	0.050	0.040	1.12	1.82
MW-17	05/21/02	0.004	<0.0010	0.002	<0.0010	0.423	0.834
MW-17	10/15/02	<0.0010	<0.0010	<0.0010	<0.0010	0.105	NA
MW-17	01/22/03	<1	<1	<1	<1	<0.001	0.124
MW-17	04/24/03	<1	<1	<1	<1	<0.001	0.124
MW-17	07/14/03	<0.0010	<1	<1	<1	<0.001	0.126
MW-17	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-17	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-17	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.072
MW-17	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.062
MW-17	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.068
MW-17	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.056
MW-17	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.062
MW-17	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.480
MW-17	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.230
MW-17	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.16

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-17	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.08
MW-17	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.20
MW-17	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	0.25
MW-17	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.31
MW-17	07/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.33
MW-17	10/21/08	<0.001	<0.001	<0.001	<0.001	NA	0.21
MW-18	06/02/00	**0.60**	0.001	0.120	0.045	<0.001	<0.001
MW-18	08/02/00	**0.78**	<0.5	0.150	0.046	<0.99	<0.99
MW-18	11/15/00	**0.85**	0.001	0.093	0.050	4.60	1.10
MW-18	03/06/01	**0.84**	<0.0025	0.160	0.065	8.70	<0.55
MW-18	06/25/01	**0.66**	0.003	0.150	<0.002	1.0	0.59
MW-18	09/26/01	**0.50**	<0.005	0.093	0.039	4.4	<0.51
MW-18	12/12/01	**0.529**	<0.010	0.127	0.054	4.05	0.261
MW-18	05/21/02	**0.483**	<0.0010	0.105	0.052	4.48	<0.101
MW-18	10/16/02	NA	NA	NA	NA	NA	0.174
MW-18	01/23/03	**0.121**	<1	0.011	0.016	1.86	<0.10
MW-18	04/25/03	**0.591**	<1	0.135	0.061	4.08	0.183
MW-18	07/14/03	**0.589**	<0.010	0.219	0.101	6.39	0.438
MW-18	10/20/03	**0.30**	0.002	<0.001	<0.003	1.90	0.13
MW-18	01/21/04	**0.26**	<0.001	0.130	0.073	4.30	0.11
MW-18	04/21/04	**0.36**	<0.001	0.069	0.055	3.0	<0.20
MW-18	07/22/04	**0.52**	<0.001	0.110	0.070	4.0	0.15
MW-18	10/28/04	**0.30**	<0.001	0.009	0.019	1.6	0.12
MW-18	01/26/05	**0.31**	<0.001	0.014	0.024	1.8	0.15
MW-18	04/20/05	**0.55**	<0.001	0.049	0.031	2.7	0.15
MW-18	07/21/05	<0.001	<0.001	<0.001	<0.003	3.5	0.11
MW-18	10/20/05	**0.82**	0.008	0.049	0.037	3.7	0.18
MW-18	01/26/06	**0.89**	0.033	0.037	0.046	3.9	0.12
MW-18	04/27/06	**1.60**	0.054	0.071	0.083	6.1	0.14
MW-18	07/27/06	**2.40**	0.140	0.086	0.110	8.7	0.54
MW-18	10/26/06	**2.60**	0.100	0.200	0.400	8.9	0.19
MW-18	01/26/07	**2.70**	<0.001	0.110	0.096	9.3	0.27
MW-18	04/26/07	**3.00**	<0.001	0.230	0.200	9.2	0.30
MW-18	07/25/07	**2.70**	<0.001	0.096	0.087	9.6	0.42
MW-18	10/25/07	**2.60**	<0.001	0.081	0.083	7.9	0.29
MW-18	01/30/08	**3.50**	<0.001	0.078	0.051	7	0.29
MW-18	04/24/08	**3.10**	<0.010	0.080	0.059	8.6	0.31
MW-18	07/24/08	**4.80**	<0.005	0.058	0.039	10	0.22
MW-18	10/22/08	**5.20**	0.002	0.140	0.108	NA	0.25
MW-18	01/21/09	**3.90**	<0.025	0.100	0.064	11	0.24
MW-18	04/22/09	**4.40**	<0.001	0.120	0.118	12	0.19
MW-18	07/29/09	**5.00**	<0.001	0.140	0.142	15	0.26
MW-18	10/28/09	**4.50**	<0.001	0.120	0.125	12	0.29
MW-18	01/27/10	**5.00**	<0.001	0.130	0.152	15	0.3
MW-18	04/28/10	**4.30**	<0.010	0.170	0.209	13	0.37
MW-18	07/28/10	**5.60**	<0.020	0.130	0.203	17	0.54

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-18	10/27/10	**5.90**	<0.005	0.180	0.210	15	0.39
MW-18	01/26/11	**4.10**	<0.05	0.110	0.154	13	0.73
MW-18	10/13/11	**6.07**	<0.05	0.117	0.198	24	<0.5
MW-18	05/31/12	**5.32**	<0.05	<0.05	0.150	7	0.54
MW-18	02/28/13	**2.47**	<0.05	<0.05	<0.15	6.9	<0.50
MW-18	07/29/13	**1.01**	<0.001	<0.001	<0.003	2.7	<0.50
MW-18	03/26/14	**0.68**	<0.001	<0.001	<0.003	2.2	0.59
MW-18	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	0.69
MW-18	07/29/15	<0.001	<0.001	<0.001	<0.003	0.53	0.75
MW-18	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.050	0.52
MW-18	09/22/16	0.0003J	<0.001	<0.001	<0.003	0.24J	0.35J
MW-18 Duplicate	09/22/16	0.00029J	<0.001	<0.001	<0.003	.25J	0.51
MW-18	03/24/17	0.00029J	0.00099J	<0.001	<0.003	0.093J	0.39J
MW-18	09/19/17	0.00023J	0.00023J	<0.001	<0.003	0.13J	0.59
MW-19	06/02/00	<0.5	<0.5	<0.5	<0.002	<0.001	<0.001
MW-19	08/02/00	0.002	0.006	<0.5	0.011	<0.001	<0.001
MW-19	11/15/00	<0.5	<0.5	<0.5	<0.002	<0.10	<0.51
MW-19	03/06/01	<0.5	<0.5	<0.5	<0.002	<0.10	<0.55
MW-19	06/25/01	<0.5	0.001	<0.5	<0.002	<0.10	<0.56
MW-19	09/26/01	<0.5	<0.5	<0.5	<0.002	<0.10	<0.54
MW-19	12/12/01	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-19	05/21/02	<0.0010	<0.0010	<0.0010	<0.0010	0.106	<0.101
MW-19	10/15/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-19	01/22/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-19	04/24/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-19	07/14/03	<0.0010	<0.001	<0.001	<0.001	<0.10	<0.10
MW-19	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.17
MW-19	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-19	07/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	10/27/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.10
MW-19	07/21/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	10/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.048
MW-19	01/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.084
MW-19	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	07/27/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.11
MW-19	10/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-19	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.059
MW-19	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.061
MW-19	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-19	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-19	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-19	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-19	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-19	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-19	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-19	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-19	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-19	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-19	01/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-19	04/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.098
MW-19	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-19	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.067
MW-19	01/26/11	<0.001	<0.001	<.1.0	<0.001	<0.10	<0.22
MW-19	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-19	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-19	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-19	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-20	06/02/00	<0.5	<0.5	<0.5	<0.002	<0.001	<0.001
MW-20	08/02/00	0.004	0.004	0.004	0.013	<0.001	<0.001
MW-20	11/15/00	<0.5	<0.5	<0.5	<0.002	<0.10	1.20
MW-20	03/06/01	<0.5	<0.5	<0.5	<0.002	<0.10	0.55
MW-20	06/25/01	<0.5	0.001	<0.5	<0.002	<0.10	<0.56
MW-20	09/26/01	<0.5	<0.5	<0.5	<0.002	<0.10	<0.52
MW-20	12/12/01	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-20	05/21/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-20	10/15/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	NA
MW-20	01/22/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-20	04/24/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-20	07/14/03	<0.0010	<0.001	<0.001	<0.001	<0.10	0.10
MW-20	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.63
MW-20	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-20	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.15
MW-20	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.067
MW-20	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-20	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.061
MW-20	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.075
MW-20	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-20	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-20	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-20	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-20	07/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.19

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-20	10/21/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-20	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.067
MW-20	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.092
MW-20	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.07
MW-20	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.056
MW-20	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.074
MW-20	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.12
MW-20	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-20	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-20	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
MW-20	10/12/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-20	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-20	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-20	07/24/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-20	03/24/17	<0.001	0.00023J	<0.001	<0.003	<0.50	<0.50
MW-21	06/13/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-21	10/15/02	NA	NA	NA	NA	NA	<0.105
MW-21	01/22/03	<1	<1	<1	<1	<0.10	<0.116
MW-21	04/24/03	<1	<1	<1	<1	<0.10	<0.116
MW-21	07/14/03	<0.0010	<0.001	<0.001	<0.001	<0.10	0.14
MW-21	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.75
MW-21	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-21	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-21	07/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-21	10/26/04	<0.001	<0.001	<0.001	<0.003	<0.10	0.090
MW-21	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-21	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.25
MW-21	07/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.10
MW-21	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.053
MW-21	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.10
MW-21	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.10
MW-21	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.074
MW-21	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-21	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.087
MW-21	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.18
MW-21	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-21	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.11
MW-21	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-21	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-21	07/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-21	10/21/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-21	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-21	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-21	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-21	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-21	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.14

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-21	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.12
MW-21	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-21	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-21	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
MW-21	10/12/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-21	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-21	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-21	07/24/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-21	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-21	03/24/17	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22	06/13/02	NA	NA	NA	NA	NA	<0.10
MW-22	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.10	<0.101
MW-22	10/15/02	<0.001	<0.001	<0.001	<0.001	<0.10	<0.102
MW-22	01/22/03	<0.001	<0.001	<0.001	<0.001	<0.10	<0.101
MW-22	04/24/03	<0.001	<0.001	<0.001	<0.001	<0.10	<0.101
MW-22	07/14/03	<0.0010	<0.001	<0.001	<0.001	<0.10	<0.10
MW-22	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.35
MW-22	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-22	07/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	10/27/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	07/21/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	10/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.094
MW-22	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.073
MW-22	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.081
MW-22	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-22	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.068
MW-22	04/26/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.20
MW-22	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.13
MW-22	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	<0.050
MW-22	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-22	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-22	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-22	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-22	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.061
MW-22	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	01/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	04/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-22	01/26/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-22	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-22	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-22	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-22	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-22	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22 Duplicate	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22	03/27/17	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-22	09/19/17	0.00020J	<0.001	<0.001	<0.003	0.014J	0.34J
MW-23	06/13/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-23	10/15/02	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	0.353
MW-23	01/22/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-23	04/24/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.101
MW-23	07/14/03	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.10
MW-23	10/17/03	<0.001	<0.001	<0.001	<0.003	<0.10	0.33
MW-23	01/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	04/21/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.20
MW-23	07/22/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	10/27/04	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	01/26/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.089
MW-23	07/21/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.20
MW-23	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-23	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.099
MW-23	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.055
MW-23	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.097
MW-23	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.052
MW-23	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.098
MW-23	10/24/07	0.002	<0.001	0.001	<0.003	<0.10	<0.050
MW-23	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	<0.10
MW-23	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-23	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-23	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	<0.05
MW-23	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.24
MW-23	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	01/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	04/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-23	01/26/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.20

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-23	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-23	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-23	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-23	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-23	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-23	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-23	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-23	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-23	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-23	03/27/17	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-23	09/19/17	0.000067J	<0.001	<0.001	<0.003	<0.50	0.31J
MW-24	07/22/04	**0.400**	0.036	0.037	0.035	2.2	0.45
MW-24	10/27/04	**0.048**	0.005	0.011	<0.003	0.65	0.33
MW-24	01/26/05	**0.080**	<0.001	0.017	0.012	0.65	0.32
MW-24	04/20/05	**0.150**	<0.001	0.038	0.014	2.2	0.53
MW-24	07/20/05	**0.065**	0.004	0.023	0.005	0.55	0.51
MW-24	10/19/05	**0.140**	<0.001	0.060	0.021	1.9	0.38
MW-24 Duplicate	10/19/05	**0.110**	<0.001	0.031	0.011	1.2	0.43
MW-24	01/25/06	**0.093**	0.002	0.035	0.011	1.3	0.54
MW-24 Duplicate	01/25/06	**0.075**	0.007	0.030	0.010	1.1	0.42
MW-24	04/26/06	**0.230**	0.029	0.080	0.029	3.4	0.24
MW-24 Duplicate	04/26/06	**0.200**	0.024	0.065	0.024	2.6	0.42
MW-24	07/26/06	**0.100**	0.039	0.068	0.026	1.4	0.58
MW-24 Duplicate	07/26/06	**0.110**	0.043	0.072	0.027	1.4	0.55
MW-24	10/25/06	**0.045**	0.019	0.041	0.017	1.2	0.22
MW-24 Duplicate	10/25/06	**0.046**	0.020	0.040	0.017	1.2	0.26
MW-24	01/25/07	**0.019**	0.007	0.034	0.012	0.68	0.34
MW-24 Duplicate	01/25/07	**0.021**	0.008	0.035	0.012	0.92	0.34
MW-24	04/25/07	0.006	0.002	0.016	0.003	0.22	0.35
MW-24 Duplicate	04/25/07	0.002	<0.001	0.007	<0.003	0.19	0.30
MW-24	07/24/07	0.006	0.002	0.017	0.003	8.0	0.26
MW-24 Duplicate	07/24/07	0.005	0.001	0.015	0.003	0.34	0.21
MW-24	10/24/07	<0.001	<0.001	0.003	<0.003	0.26	3.9
MW-24	01/30/08	0.002	<0.001	0.007	0.001	0.21	0.16
MW-24	04/23/08	0.001	<0.001	0.008	0.001	0.21	0.27
MW-24 Duplicate	04/23/08	0.003	0.003	0.033	0.007	0.63	0.26
MW-24	07/24/08	0.003	0.003	0.019	0.005	0.29	0.32
MW-24 Duplicate	07/24/08	0.005	0.005	0.036	0.009	0.54	0.27
MW-24	10/21/08	<0.001	0.001	0.002	<0.001	NA	0.26
MW-24 Duplicate	10/21/08	0.004	0.013	0.038	0.010	NA	0.34
MW-24	01/21/09	0.002	0.007	0.016	0.006	0.79	0.48
MW-24 Duplicate	01/21/09	<0.001	0.002	0.003	0.002	1.1	0.45
MW-24	04/21/09	0.002	0.015	0.036	0.016	1.3	0.38
MW-24 Duplicate	04/21/09	0.002	0.004	0.016	0.005	0.46	0.34
MW-24	07/28/09	<0.001	0.004	0.007	0.003	0.86	0.44
MW-24 Duplicate	07/28/09	0.001	0.004	0.015	0.004	0.86	0.52

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-24	10/28/09	<0.001	<0.001	0.007	0.002	0.81	0.53
MW-24 Duplicate	10/28/09	<0.001	<0.001	0.014	0.002	0.76	0.47
MW-24	01/26/10	0.001	<0.001	0.008	<0.001	0.73	0.42
MW-24 Duplicate	01/26/10	0.001	<0.001	0.008	<0.001	0.67	0.4
MW-24	04/27/10	0.003	<0.001	0.006	<0.001	0.51	0.44
MW-24 Duplicate	04/27/10	0.004	<0.001	0.006	<0.001	0.52	0.75
MW-24	07/27/10	0.003	<0.001	0.008	<0.001	0.37	0.30
MW-24 Duplicate	07/27/10	0.001	<0.001	0.001	<0.001	0.26	0.33
MW-24	10/26/10	0.002	<0.001	0.004	<0.001	0.22	0.20
MW-24 Duplicate	10/26/10	0.002	<0.001	0.005	<0.001	0.21	0.24
MW-24	01/25/11	<0.001	<0.001	<0.001	<0.001	0.15	0.41
MW-24 Duplicate	01/25/11	0.002	<0.001	0.005	<0.001	0.19	0.31
MW-24	10/12/11	0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-24	05/31/12	<0.01	<0.01	0.006	<0.003	0.05	<0.5
MW-24	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	1.1
MW-24	07/24/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-24	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	0.50
MW-24	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-24	03/12/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-24	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.48
MW-24	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-24	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-24	03/24/17	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-24 Duplicate	03/24/17	0.00021J	<0.001	<0.001	<0.003	0.024J	<0.45
MW-24	09/19/17	<0.001	<0.001	<0.001	<0.003	<0.50	0.56
MW-25	07/22/04	0.006	<0.001	0.028	0.025	0.71	0.094
MW-25	10/27/04	0.007	<0.001	0.036	0.010	0.63	0.35
MW-25	01/26/05	0.003	<0.001	0.025	0.009	0.28	0.29
MW-25	04/20/05	0.007	0.004	0.055	0.016	0.60	0.23
MW-25	07/19/05	0.004	0.002	0.030	0.010	0.48	0.25
MW-25	10/19/05	0.002	<0.001	0.014	0.003	0.28	0.68
MW-25	01/25/06	0.003	<0.001	0.019	0.004	0.34	0.70
MW-25	04/26/06	0.004	<0.001	0.027	0.003	0.42	0.85
MW-25	07/26/06	0.003	<0.001	0.012	<0.003	0.21	1.20
MW-25	10/25/06	<0.001	<0.001	0.002	<0.003	0.13	0.40
MW-25	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.52
MW-25	04/25/07	<0.001	<0.001	0.001	<0.003	<0.10	0.43
MW-25	07/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.36
MW-25	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.39
MW-25	01/30/08	<0.001	<0.001	<0.001	<0.003	0.12	0.39
MW-25	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.41
MW-25	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.20
MW-25	10/21/08	<0.001	<0.001	<0.001	<0.001	NA	0.14

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-25	01/20/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.16
MW-25	04/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.079
MW-25	07/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.16
MW-25	10/27/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.34
MW-25	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.12
MW-25	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.34
MW-25	07/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-25	10/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.11
MW-25	01/25/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.20
MW-25	10/12/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
MW-25	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-25	02/27/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-25	07/24/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-25	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-25	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-25	03/12/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-25	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.48
MW-25	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.48
MW-25	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	0.27J
MW-25 Duplicate	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-25	09/19/17	<0.001	<0.001	<0.001	<0.003	<0.50	0.52
MW-26	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-26	07/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.053
MW-26	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.066
MW-26	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.16
MW-26	04/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.35
MW-26	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.30
MW-26	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.98
MW-26	01/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.65
MW-26	04/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.092
MW-26	07/25/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.89
MW-26	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.39
MW-26	01/30/08	<0.001	<0.001	<0.001	<0.003	<0.10	0.16
MW-26	04/23/08	<0.001	<0.001	<0.001	<0.001	<0.10	<0.10
MW-26	07/24/08	<0.001	<0.001	<0.001	<0.001	<0.10	0.29
MW-26	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	0.053
MW-26	01/21/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-26	04/22/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-26	07/29/09	<0.001	<0.001	<0.001	<0.001	<0.10	0.71
MW-26	10/28/09	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-26	01/26/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.051
MW-26	04/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.078
MW-26	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-26	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-26	01/26/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
MW-26	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-26	05/31/12	<0.001	<0.001	<0.001	<0.003	<0.05	<0.5
MW-26	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-26 Duplicate	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-26	07/29/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-26	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-26	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-26	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-26	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-26	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-26 Duplicate	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-26	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-26	03/27/17	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-26	09/19/17	0.00011J	<0.001	<0.001	<0.003	0.014J	0.36J
MW-26 Duplicate	09/19/17	<0.001	<0.001	<0.001	<0.003	<0.50	0.36J
MW-27	04/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	0.095
MW-27	07/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-27 Duplicate	07/20/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-27	10/19/05	<0.001	<0.001	<0.001	<0.003	<0.10	<0.048
MW-27	01/25/06	0.007	<0.001	<0.001	<0.003	<0.10	0.16
MW-27 Duplicate	01/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.17
MW-27	04/26/06	**0.052**	0.014	0.006	0.017	0.45	0.097
MW-27	07/26/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.10
MW-27	10/25/06	<0.001	<0.001	<0.001	<0.003	<0.10	0.47
MW-27	01/25/07	0.001	<0.001	<0.001	<0.003	<0.10	0.12
MW-27	04/25/07	**0.030**	0.003	0.002	<0.003	<0.10	0.62
MW-27	07/25/07	0.002	<0.001	<0.001	<0.003	<0.10	0.94
MW-27	10/24/07	<0.001	<0.001	<0.001	<0.003	<0.10	0.22
MW-27	01/30/08	0.006	<0.001	<0.001	<0.003	<0.10	<0.10
MW-27	04/23/08	**0.037**	0.008	0.002	0.002	0.14	<0.10
MW-27	07/24/08	**0.140**	0.033	0.006	0.011	0.57	0.20
MW-27	10/22/08	**0.013**	0.001	<0.001	<0.001	NA	0.07
MW-27	01/21/09	**0.170**	0.009	0.002	0.008	0.48	<0.05
MW-27	04/22/09	**0.120**	0.007	0.003	0.007	0.40	<0.05
MW-27	07/29/09	**0.027**	0.003	<0.001	<0.001	0.13	<0.05
MW-27	10/28/09	**0.019**	0.001	<0.001	<0.001	<0.10	<0.05
MW-27	01/27/10	0.005	<0.001	<0.001	<0.001	<0.10	<0.05
MW-27	04/28/10	**0.046**	0.001	<0.001	0.002	0.15	0.057
MW-27	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
MW-27	10/27/10	0.005	<0.001	<0.001	<0.001	<0.10	<0.05
MW-27	01/26/11	0.008	<0.001	<0.001	<0.001	<0.10	<0.21
MW-27	10/13/11	**0.057**	0.010	0.004	0.008	<0.5	<0.5
MW-27	05/31/12	**0.061**	0.008	0.006	0.009	0.12	<0.5
MW-27	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-27 Duplicate	02/28/13	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-27	07/29/13	<0.001	<0.001	<0.001	<0.003	0.83	<0.50
MW-27	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**
MW-27 Duplicate	03/26/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-27	07/30/14	<0.001	<0.001	<0.001	<0.003	<0.50	<0.50
MW-27	03/11/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-27	07/29/15	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-27	03/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-27	09/22/16	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-27	03/27/17	<0.001	<0.001	<0.001	<0.003	<0.50	<0.45
MW-27	09/19/17	0.00011J	0.00018J	<0.001	<0.003	<0.50	0.52
SVE-10	01/23/03	**1.120**	0.136	0.188	0.331	8.89	0.961
SVE-10	04/25/03	**0.367**	0.560	0.069	0.296	5.18	1.30
SVE-10	07/14/03	**0.189**	0.030	0.027	0.086	1.74	0.991
SVE-10	10/20/03	<0.001	<0.001	<0.001	<0.003	0.42	0.46
SVE-10	01/22/04	0.002	0.001	0.002	<0.003	<0.10	0.42
SVE-10	04/22/04	**0.110**	<0.001	0.011	<0.003	0.41	0.35
SVE-10	07/23/04	**0.077**	<0.001	0.014	<0.003	0.46	0.48
SVE-10	10/28/04	**0.024**	0.002	0.010	0.008	0.40	1.2
SVE-10	01/27/05	**0.012**	<0.001	0.012	<0.003	0.19	0.68
SVE-10	04/20/05	<0.001	<0.001	0.014	<0.003	0.12	0.35
SVE-10	07/21/05	**0.023**	0.001	0.027	<0.003	0.26	0.47
SVE-10	10/20/05	**0.022**	0.001	0.025	<0.003	0.27	0.29
SVE-10	01/26/06	0.002	<0.001	0.020	<0.003	0.29	0.52
SVE-10	04/27/06	<0.001	<0.001	0.010	<0.003	0.21	0.30
SVE-10	07/27/06	<0.001	<0.001	0.004	<0.003	0.17	0.28
SVE-10	10/26/06	<0.001	<0.001	<0.001	<0.003	0.16	0.17
SVE-10	01/26/07	0.004	<0.001	0.005	<0.003	0.42	0.42
SVE-10	04/26/07	0.002	<0.001	0.012	<0.003	0.56	0.41
SVE-10	07/25/07	0.003	<0.001	0.008	<0.003	0.52	0.42
SVE-10	10/25/07	<0.001	<0.001	0.003	<0.003	0.39	0.30
SVE-10	01/31/08	**0.021**	<0.001	0.022	<0.003	0.43	0.21
SVE-10	04/24/08	**0.014**	<0.001	0.026	<0.001	0.56	0.26
SVE-10	07/25/08	**0.180**	<0.001	0.016	0.012	0.68	0.28
SVE-10	10/22/08	<0.001	<0.001	<0.001	<0.001	NA	0.2
SVE-10	01/21/09	0.001	<0.001	<0.001	<0.001	0.18	0.18
SVE-10	04/22/09	0.003	<0.001	<0.001	<0.001	0.11	0.32
SVE-10	07/29/09	<0.001	<0.001	<0.001	<0.001	0.12	0.17
SVE-10	10/28/09	<0.001	<0.001	<0.001	<0.001	0.56	0.34
SVE-10	01/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.1
SVE-10	04/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	0.089
SVE-10	07/28/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
SVE-10	10/27/10	<0.001	<0.001	<0.001	<0.001	<0.10	<0.05
SVE-10	01/26/11	<0.001	<0.001	<0.001	<0.001	<0.10	<0.21
SVE-10	10/13/11	<0.001	<0.001	<0.001	<0.003	<0.5	<0.5
SP-1	06/02/00	0.009	0.007	0.003	0.007	<0.001	<0.001

Table 2

Historical Groundwater Anaytical Data - BTEX, TPH-GRO and TPH-DRO
Phillips 66 Company
East Hobbs Junction
Hobbs, Lea County, New Mexico

Monitor Well ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
NMWQCC groundwater quality standards		**0.010**	**0.75**	**0.75**	**0.62**	**ne**	**ne**

Notes:

mg/L = milligrams per liter
ne = not established
< = Analyte was detected below the laboratory detection limit
TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics
TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
NMWQCC = New Mexico Water Quality Control Commission
Shaded/bolded values exceed their respective NMWQCC Standard for Groundwater.
J Value = Laboratory Detection Limit < Analyte Result < Laboratory Reporting Limit

Appendices

Appendix A
Cool Ox™ Chemistry

DeepEarth Technologies, Inc.

The Cool-Ox® Chemistry

(Produce Hydrogen Peroxide In-Situ)

$$CaO_2 + H_20 \rightarrow Ca^{+2} + OH^{-1} + H_2O_2 + O_2$$

(Chelates Activate Intrinsic Catalysts – Produces Radicals)

$$H_2O_2 + Fe^{+2} \rightarrow OH^{-1} + [OH]^{\bullet} + Fe^{+3}$$

$$H_2O_2 + Fe^{+3} \rightarrow OH^{-1} + [OOH]^{\bullet} + Fe^{+2}$$

(Radicals React with Contaminants – Oxidation By-products)

$$[OH]^{\bullet} \,\&\, [OOH]^{\bullet} + C_x \rightarrow C_x(OH)_y + CO_2$$

(Biodegradable By-products Used by Microbes)

$$C_x(OH)_y + O_2 \rightarrow CO_2$$ *Totally Green*

Appendix B
Cool Ox™ Safety Data Sheets

Diammonium Phosphate, Technical, Granular

LidoChem, Inc.
20 Village Court
Hazlet, NJ 07730
Phone#:(732) 888 8000
Fax#: (732) 264 2751
email: info@lidochem.com

MATERIAL SAFETY DATA SHEET

MSDS#:	952
Product Code:	DAPGSIC
Date Printed:	08/02/12
Review/Revision Date:	01/09/11

SECTION I - General Information And Chemical Product Identification

Trade Name:	Diammonium Phosphate, Technical, Granular
Chemical Name:	Ammonium Phosphate, Dibasic
Chemical Formula:	$(NH4)_2$ H PO_4
Chemical Family:	Ammonium Phosphates
Synonyms:	Ammonium Phosphate, Dibasic, - DAP
CAS#:	7783-28-0
D.O.T. Shipping Name:	Diammonium Phosphate

SECTION II - Composition/information On Ingredients

CAS#:	Common Name:	ACGIH/PPM		OSHA/PPM	
		TWA	STEL	PEL	% by Wt.
7783-28-0	Ammonium Phosphate, Dibasic	None	None	None	1

SECTION III - Hazard(s) Identification

Route(s) of Entry:	Inhalation, Ingestion and Dermal.

Emergency Overview

Not considered a hazardous product. Mildly irritating to skin, eye, respiratory tract.
It is a colorless crystal, odorless.
Emergency responders use PPE suitable for the situation to which they are responding.
Product is not flammable or reactive.

Potential Health Effects:

Acute eye: May cause irritation.
Acute Skin: Skin absorption not likely. May cause irritation.
Acute Inhalation: May cause upper respiratory tract irritation.
Acute Ingestion: Ingestion of large quantities may cause nausea, vomiting, diarrhea, abdominal cramps.

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20 Village Court
Hazlet, NJ 07730
Phone#:(732) 888 8000
Fax#: (732) 264 2751
email: info@lidochem.com

MATERIAL SAFETY DATA SHEET

MSDS#:	952
Product Code:	DAPGSIC
Date Printed:	08/02/12
Review/Revision Date:	01/09/11

Signs & Symptoms Of Exposure:

Acute Effects: May cause irritation of the eye, skin and respiratory tract, sore throat, coughing.
In children may cause formation of methaemoglobin (blue baby syndrome) and cyanosis - blueness around the mouth may occur.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION IV - First Aid Information

Ingestion:

If product is ingested, irritation and nausea may occur. Give several glasses of water. **Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** If vomiting occurs, keep head below hips to reduce risk of aspiration. Give fluids again. Seek medical attention if health effects occur. Do not induce vomiting. Get medical attention.

Eyes:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

Skin:

Product may irritate the skin. In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse. Skin contact may aggravate existing skin disease.

Inhalation:

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardiopulmonary resuscitation). Seek medical attention.
Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.
NOTE: See Section XVI - Other Information

SECTION V - Fire And Explosion Data

NFPA Hazard Ratings:	*0 = minimal*	*1 = slight*	*2 = moderate*	*3 = serious*	*4 = severe*	*N/R = Not Rated*
Health: 0	Fire: 0		Reactivity: 0		Special: N/a	
Flash Point:	N/A		Methods Used:			
Flammable Limits:	N/A		Lel: N/A		Uel: N/A	
Autoignition Temp:	N/A					

Extinguisher Media

Not combustible. Use extinguishing method suitable for surrounding fire.

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MATERIAL SAFETY DATA SHEET

MSDS#:	952
Product Code:	DAPGSIC
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Review/Revision Date:	01/09/11

Special Fire Fighting Procedures

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards

None

Hazardous Combustion Products:

Not combustible.

Emergency Response Guidebook Information:	171

Section VI- Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear appropriate protective gear for the situation. Dike or retain dilution water or water from fire fighting for later disposal. Sweep or vacuum up and place in an appropriate closed container. DO NOT RETURN MATERIAL TO ITS ORIGINAL CONTAINER. Clean up residual material by washing area with water and detergent. Runoff from fire control or dilution water may cause pollution. Prevent material from entering public sewer system or any waterways.

Section VII- Handling and Storage

Handling and Storage

Avoid direct of prolonged contact with skin and eyes. Avoid generating dust. Store in tightly closed containers. This product is hygroscopic and tends to cake in storage. Store in an area that is cool, dry with a stable temperature away from heat source.

Section VIII - Exposure Control and Personal Protection

Skin Protection

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given to both to durability as well as permeation resistance.

Respiratory Protection

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

Eye Protection

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

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MATERIAL SAFETY DATA SHEET

MSDS#:	952
Product Code:	DAPGSIC
Date Printed:	08/02/12
Review/Revision Date:	01/09/11

Other Protection:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the above listed and following traditional exposure control techniques may be used to effectively minimize employee exposures.

Ventilation Limits:

Provide Natural or Mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Exposure Limits

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit:
ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED : 10mg/cubic meter(INHALABLES)
ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED: 3mg/cubic meter (RESPIRABLE)

Hygienic Practices:

All food / smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Section IX - Physical and Chemical Properties

Molecular Weight:	132.06
Boiling Point:	225 deg. F
Melting Point:	May decompose before melting
Specific Gravity:	N/A
Vapor Pressure(mm/hg):	N/A
Vapor Density(air=1):	N/A
Reactivity In Water:	None
Solubility In Water:	41 wt/wt% at 20 deg C (68 deg F)
Appearance And Odor:	White, gray, brownish or colored grandules, odorless
Other:	pH: (1% solution @ 25 Deg C.): 7

Section X - Stability and Reactivity

Stability:

This material is stable under normal handling and storage conditions.

Conditions to Avoid:

Extreme heat, rain.

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MSDS#:	952
Product Code:	DAPGSIC
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Review/Revision Date:	01/09/11

Incompatible Materials:

Strong bases, sodium hypo chlorite, combustible materials, reducing agents, acids, alkalis, chlorates, chlorides, chromates, nitrates, perinanganates, metallic powder, substances containing copper, nickel, cobalt, zinc and their alloys.

Hazardous Decomposition Products:

Water vapor and toxic gases such as nitrogen oxides, ammonia, chlorine, and hydrogen chlorine may be given off.

Polymerization Conditions To Avoid:

N/Ap

Section XI - Toxicological Information

Eye Effects:

Slightly irritating (Rabbit, 2.2/110.0, 24 hour exp)

Skin Effects:

Non irritating (Rabbit, 0.0/8.0, 24 hour exp)

Dermal Toxicity:

Practically Nontoxic (Rabbit LD 50 - > 7,940 mg/kg)

Inhalation Effects:

Not established.

Sensitization:

Not established.

Ingestion Effects:

Practically Nontoxic (Rat LD50 - 2,000 mg/kg)

Carcinogenicity/Mutagenicity:

This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as a probable or suspected human carcinogen. No information found on Mutagenicity.

Reproductive Effects:

No data found for this product.

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MATERIAL SAFETY DATA SHEET

MSDS#:	952
Product Code:	DAPGSIC
Date Printed:	08/02/12
Review/Revision Date:	01/09/11

Neurotoxicity:

No data found for this product.

Target Organs:

No data found for this product.

Additional Toxicological Information:

None

Section XII- Ecological Information

Biodegradability:	No data found for this product.
Ecotoxicity:	Low toxicity to aquatic life.
Biological Oxygen Demand(BOD5):	No data found for this product.
Chemical Oxygen Demand:	No data found for this product.
Activated Sludge Respiration Inhibition Test:	No data found for this product.

Additional Ecological Information:

None

SECTION XIII - Disposal Considerations

Waste Disposal Methods:

Chemical additions, processing or otherwise altering material may make the waste management information presented in MSDS incomplete, inaccurate or otherwise inappropriate. Be advised that state/local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of this material.

Container Disposal Information:

Be advised that state/local requirements for container disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of container.

Section XIV - Transport Information

Proper Shipping Name:	Diammonium Phosphate

D. O. T. Hazard Class:	Not regulated by D.O.T.	UN:	N/A
Label Requirement:	None	RQ:	N/A
Placard:	None		
Packing Group:	N/A	CAS:	7783-28-0

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MSDS#:	952
Product Code:	DAPGSIC
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Review/Revision Date:	01/09/11

Section XV - Regulatory Information

State Right To Know Laws:

The following ingredients are disclosed for compliance with State Right to Know Laws:

CAS#	Chemical Name	State RTK
	none	

SARA Title III Hazard Classes Sections 311/312:

N/A

OSHA Status:

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

TSCA Status:

Listed/Non-reportable

SARA Section 313 :

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS#	Chemical Name:
	none

Cercla, 40 Cfr 117, 302:

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

Cercla Listed Substances Are:

none

SARA Superfund Section 110:

This product does not contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

California Proposition 65:

This product contains a chemical (or chemicals) known to the State of California to cause cancer and birth defects or other reproductive harm.

Michigan Critical Materials:

This product does not contain ingredients listed on the Michigan Critical Materials Register.

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MSDS#:	**952**
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Date Printed:	**08/02/12**
Review/Revision Date:	**01/09/11**

CAA:	None known.
CWA:	None known.
RCRA:	Not considered a hazardous waste.
Canada CEPA:	All intentional ingredients are listed on the DSL.
Canada WHMIS:	Not controlled.

SECTION XVI- Other Information

Medical Conditions Possibly Aggravated by Exposure:
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Notes to Physician:
Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule. The following treatments should be considered for the specific group(s) of phosphate salts found in this product.
All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcemia, so calcium levels should be monitored.
Ammonium salts have a hypothetical risk of ammonia toxicity. In addition to calcium levels, ammonia and phosphate levels should be monitored.
Potassium salts have a hypothetical risk of hyperkalemia which can cause cardiac arrhythmia. In addition to calcium levels, potassium and phosphate levels should be monitored. Also consider continuous EKG monitoring to detect hyperkalemia.
Sodium salts have a hypothetical risk of hypernatremia. In addition to calcium levels, sodium and phosphate levels should be monitored.

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

N/Av:	Not Available	N/Ap:	Not Applicable
N/R:	Not Rated	ND:	Not Determined
ACGI	American Conference of Govr'ntal Industrial Hygienists		
OSHA:	Occupational Saftey and Health Administration	TLV:	Threshold Limit Value
PEL:	Permissable Exposure Limit	TWA:	Time Weighted Average
STEL:	Short Term Exposure Limit	NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer		
SARA Title III:	Superfund Amendments and Reauthorization Act		
CERCLA:	Comprehensive Response, Compensation and Liability Act		
TSCA:	Toxic Substance Control Act		

Univar USA Inc Safety Data Sheet

SDS No:	
Version No:	019 2015-04-24
Order No:	

3075 Highland Pkwy, Ste 200, Downers Grove, IL 60515
(425) 889 3400

Emergency Assistance

For emergency assistance involving chemicals call
Chemtrec - (800) 424-9300

SAFETY DATA SHEET

THE DOW CHEMICAL COMPANY

Product name: VERSENE™ Acid Chelating Agent

Issue Date: 04/17/2015
Print Date: 04/18/2015

THE DOW CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. IDENTIFICATION

Product name: VERSENE™ Acid Chelating Agent

Recommended use of the chemical and restrictions on use
Identified uses: Chelating agent. For industrial use only. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

COMPANY IDENTIFICATION
THE DOW CHEMICAL COMPANY
2030 WILLARD H DOW CENTER
MIDLAND MI 48674-0000
UNITED STATES

Customer Information Number: 800-258-2436
SDSQuestion@dow.com

EMERGENCY TELEPHONE NUMBER
24-Hour Emergency Contact: 800-424-9300
Local Emergency Contact: 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification
This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.
Acute toxicity - Category 4 - Inhalation
Eye irritation - Category 2A

Label elements
Hazard pictograms

Signal word: **WARNING!**

Hazards
Causes serious eye irritation.
Harmful if inhaled.

Precautionary statements

Prevention
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection/ face protection.

Response
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

Other hazards
no data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: edetic acid
This product is a substance.

Component	CASRN	Concentration
Ethylenediamine tetraacetic acid	60-00-4	99.0%
Water	7732-18-5	1.0%

4. FIRST AID MEASURES

Description of first aid measures
General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Skin contact: Wash off with plenty of water.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed
Notes to physician: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

Unsuitable extinguishing media: no data available

Special hazards arising from the substance or mixture
Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide. Ammonia.

Unusual Fire and Explosion Hazards: Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate.

Advice for firefighters
Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Refer to section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Sweep up. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing dust. Use with adequate ventilation. Keep container closed. Keep away from heat, sparks and flame. Good housekeeping and controlling of dusts are necessary for safe handling of product. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for safe storage: Store in accordance with good manufacturing practices. Minimize sources of ignition, such as static build-up, heat, spark or flame. Do not store in: Opened or unlabeled containers. Zinc. Aluminum and its alloys. Carbon steel. Copper. Copper alloys. Galvanized containers. Nickel. Store in original unopened container. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact. See Section 10 for more specific information.

Storage stability
Shelf life: Use within 24 Month
Storage temperature: -18 - 49 °C (-0 - 120 °F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure limits are listed below, if they exist.

None established

Exposure controls
Engineering controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use chemical goggles.

Skin protection

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
The following should be effective types of air-purifying respirators: Particulate filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid.
Color	White
Odor	Mild
Odor Threshold	No test data available
pH	Not applicable
Melting point/range	> 220 °C (> 428 °F) *Measured* Decomposes
Freezing point	> 220 °C (> 428 °F) *Measured* Decomposes
Boiling point (760 mmHg)	Not applicable
Flash point	**closed cup** Not applicable to solids
Evaporation Rate (Butyl Acetate = 1)	Not applicable to solids
Flammability (solid, gas)	Non-flammable
Lower explosion limit	Not applicable to solids
Upper explosion limit	Not applicable to solids
Vapor Pressure	< 0.01 mmHg *Literature*
Relative Vapor Density (air = 1)	No test data available
Relative Density (water = 1)	Not applicable to solids
Water solubility	400 mg/l at 20 °C (68 °F) *Measured*
Partition coefficient: n-octanol/water	log Pow: -3.86 *Estimated.*
Auto-ignition temperature	Not applicable
Decomposition temperature	No test data available
Kinematic Viscosity	Not applicable
Explosive properties	no data available
Oxidizing properties	no data available
Solid Density	1.46 g/cm3 at 20 °C *Measured*
Bulk density	54 lb/ft3 *Literature*
Molecular weight	292.24 g/mol *Literature*

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: no data available

Chemical stability: Thermally stable at typical use temperatures.

Possibility of hazardous reactions: Polymerization will not occur.

Conditions to avoid: Exposure to elevated temperatures can cause product to decompose. Avoid static discharge.

Incompatible materials: Avoid contact with oxidizing materials. Avoid contact with: Strong bases. Avoid contact with metals such as: Carbon steel.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Ammonia. Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

Acute toxicity

Acute oral toxicity
Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

LD50, Rat, male and female, 4,500 mg/kg

Acute dermal toxicity
Prolonged skin contact is unlikely to result in absorption of harmful amounts.
The dermal LD50 has not been determined.

Acute inhalation toxicity
Prolonged excessive exposure to dust may cause adverse effects. For narcotic effects: No relevant data found.

LC50, Rat, male, 6 Hour, dust/mist, > 1 mg/l

Skin corrosion/irritation
Prolonged contact may cause skin irritation with local redness.
Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.
May cause more severe response if skin is abraded (scratched or cut).
May cause more severe response on covered skin (under clothing, gloves).
Not classified as corrosive to the skin according to DOT guidelines.

Serious eye damage/eye irritation

May cause moderate eye irritation.
May cause slight corneal injury.
Effects may be slow to heal.

Sensitization
For similar material(s):
Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:
No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)
Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)
Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenicity
The trisodium salt of EDTA did not cause cancer in laboratory animals.

Teratogenicity
EDTA and its sodium salts have been reported to cause birth defects in laboratory animals only at exaggerated doses that were toxic to the mother. These effects are likely associated with zinc deficiency due to chelation.

Reproductive toxicity
Limited data in laboratory animals suggest that the material does not affect reproduction.

Mutagenicity
Most data indicate that EDTA and its salts are not mutagenic. Minimal effects reported are likely due to trace metal deficiencies resulting from chelating by EDTA.

Genetic Toxicity in vivo
Mouse Bone Marrow Micronucleus Test Mouse negativeResult: negative

Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

COMPONENTS INFLUENCING TOXICOLOGY:

Ethylenediamine tetraacetic acid

Acute dermal toxicity
The dermal LD50 has not been determined.

12. ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

Toxicity

Acute toxicity to fish
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

LC50, Fish., 96 Hour, 1,000 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates
EC50, Daphnia magna (Water flea), static test, 48 Hour, 113 mg/l, OECD Test Guideline 202 or Equivalent

Persistence and degradability

Biodegradability: Material is inherently biodegradable (reaches > 20% biodegradation in OECD test(s) for inherent biodegradability).
10-day Window: Not applicable
Biodegradation: 37 %
Exposure time: 14 d
Method: OECD Test Guideline 302B or Equivalent
10-day Window: Fail
Biodegradation: 0 %
Exposure time: 30 d
Method: OECD Test Guideline 301D or Equivalent

Theoretical Oxygen Demand: 1.37 mg/mg

Photodegradation
Test Type: Half-life (indirect photolysis)
Sensitizer: OH radicals
Atmospheric half-life: 2.12 Hour
Method: Estimated.

Bioaccumulative potential

Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Partition coefficient: n-octanol/water(log Pow): -3.86 at 25 °C Estimated.
Bioconcentration factor (BCF): 1.1 Fish. 28 d Measured

Mobility in soil

Potential for mobility in soil is high (Koc between 50 and 150).
Partition coefficient(Koc): 98

13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer.

14. TRANSPORT INFORMATION

DOT

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.(Ethylenediaminetetraacetic acid)
UN number	UN 3077
Class	9
Packing group	III
Reportable Quantity	Ethylenediaminetetraacetic acid

Classification for SEA transport (IMO-IMDG):

	Not regulated for transport
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard
This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312
This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Worker and Community Right-To-Know Act:
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances knownto the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

United States TSCA Inventory (TSCA)
All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

Product Literature
Additional information on this product may be obtained by calling your sales or customer service contact.

Hazard Rating System
NFPA

Health	Fire	Reactivity
1	1	0

Revision
Identification Number: 101199416 / A001 / Issue Date: 04/17/2015 / Version: 6.0
Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Information Source and References
This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

THE DOW CHEMICAL COMPANY urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

Univar USA Inc Safety Data Sheet

For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

Notice

Univar USA Inc. (”Univar”) expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Univar sales office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Univar makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Univar's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process

SAFETY DATA SHEET
Calcium Peroxide

SDS # : 1305-79-9-1
Revision date: 2015-04-16
Format: NA
Version 1

PeroxyChem

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Calcium Peroxide

Other means of identification

CAS-No 1305-79-9
Synonyms PermeOx-Solid Peroxygen, Calcium Superoxide, Calcium Peroxide

Recommended use of the chemical and restrictions on use

Recommended Use: Used as a curing agent in certain rubber compounds. Other uses include starch modification, dough conditioner, and ingredient in deodorants, cosmetics and dentifrices.

Restrictions on Use: Use as recommended by the label.

Manufacturer/Supplier

PeroxyChem LLC
2005 Market Street
Suite 3200
Philadelphia, PA 19103
Phone: +1 267/ 422-2400 (General Information)
E-Mail: sdsinfo@peroxychem.com

Emergency telephone number

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)
1 303/ 389-1409 (Medical - U.S. - Call Collect)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 1
Oxidizing Solids	Category 2

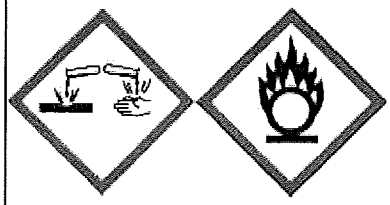
GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger

Hazard Statements

H318 - Causes serious eye damage
H272 - May intensify fire; oxidizer



Precautionary Statements - Prevention
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P221 - Take any precaution to avoid mixing with combustibles
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220 - Keep/Store away from clothing/combustible materials

Precautionary Statements - Response
P370 + P378 - IN CASE OF FIRE: Use water to extinguish
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor

Precautionary Statements - Disposal
P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
No hazards not otherwise classified were identified.

Other Information

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
Calcium Peroxide	1305-79-9	>75
Calcium Hydroxide	1305-62-0	<25

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact — Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician.

Skin Contact — Wash off with soap and water. Get medical attention if irritation develops and persists.

Inhalation — Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

Ingestion — Rinse mouth with water and afterwards drink plenty of water or milk. Do not induce vomiting or give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed — Corneal lesions and irreversible damage if contact with the eyes

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Flood with water.

Unsuitable extinguishing media Dry chemical. Foam.

Specific Hazards Arising from the Chemical Decomposes under fire conditions to release oxygen that intensifies the fire.

Explosion data
Sensitivity to Mechanical Impact Not sensitive.
Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do it without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with the skin and the eyes. Avoid dust formation. Ensure adequate ventilation. For personal protection see Section 8.

Other For further clean-up instructions, call PeroxyChem Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.

Methods for Containment Vacuum or shovel waste into a drum and label contents for disposal. Do not return product to the original storage container/tank due to risk of decomposition. Keep combustibles (wood, paper, oil, etc) away from spilled material.

Methods for cleaning up After cleaning, flush away traces with water. Do not flush powdered material to sewer; Runoff to sewer may create fire or explosion hazard.

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected. If compounded with organics or combustible materials be sure to exclude moisture.

Storage Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition i.e., steam pipes, radiant heaters, hot air vents or welding sparks. Reacts with moisture. Keep container tightly closed.

Incompatible products Heavy metals. Combustible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Calcium Hydroxide 1305-62-0	TWA: 5 mg/m³	TWA: 15 mg/m³ TWA: 5 mg/m³	TWA: 5 mg/m³	Mexico: TWA 5 mg/m³
Chemical name	**British Columbia**	**Quebec**	**Ontario TWAEV**	**Alberta**
Calcium Hydroxide 1305-62-0	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 5 mg/m³

Appropriate engineering controls

Engineering measures	Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	For dust, splash, mist or spray exposure, wear chemical protective goggles.
Skin and Body Protection	Wear suitable protective clothing. Protective shoes or boots.
Hand Protection	Rubber/latex/neoprene or other suitable chemical resistant gloves. Wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.
Respiratory Protection	For dust, splash, mist or spray exposures wear a filtering mask.
Hygiene measures	Clean water, preferably an eyewash station and a safety shower, should be available for washing in case of eye or skin contamination. Handle in accordance with good industrial hygiene and safety practice.
General information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Granules
Physical State	Solid
Color	White to off white
Odor	odorless
Odor threshold	Not applicable
pH	(1% solution) 10.5 - 11.8 @ 25 °C
Melting point/freezing point	Decomposes on heating @ ~275 °C
Boiling Point/Range	No information available
Flash point	Not flammable
Evaporation Rate	No information available
Flammability (solid, gas)	Substance does not burn but will support combustion
Flammability Limit in Air	Not applicable
Upper flammability limit:	
Lower flammability limit:	
Vapor pressure	No information available
Vapor density	No information available
Density	2.92 g/cm³
Specific gravity	2.92
Water solubility	slightly soluble
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	Product is not self-ignitable.
Decomposition temperature	275 °C
Viscosity, kinematic	No information available (Solid)
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	Strong oxidizer
Molecular weight	72.8 (CaO2)
Bulk density	45 lb/cu ft (loose)

10. STABILITY AND REACTIVITY

Reactivity	Strong oxidizer.
Chemical Stability	Stable under recommended storage conditions. Decomposition can occur on exposure to heat or moisture.

Possibility of Hazardous Reactions	Oxidizable material can be ignited by grinding and may become explosive.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat (decomposes at 275 °C). Humid air. Grinding with organics.
Incompatible materials	Heavy metals. Combustible materials.
Hazardous Decomposition Products	Oxygen which supports combustion. Calcium oxides.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	> 5 g/kg (rat)
LD50 Dermal	> 10 g/kg (rat)
LC50 Inhalation	> 17 mg/L 1 hr (rat)
Serious eye damage/eye irritation	Corrosive. Risk of serious damage to eyes.
Skin corrosion/irritation	Non-irritating (rabbit). May cause skin irritation in susceptible persons.
Sensitization	No information available.

Information on toxicological effects

Symptoms	Dust is irritating eyes, nose, throat, and lungs.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	No known effect.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Mutagenicity	This product is not recognized as mutagenic by Research Agencies
Reproductive toxicity	This product is not recognized as reprotox by Research Agencies.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects	The environmental impact of this product has not been fully investigated.
Persistence and degradability	Biodegradability does not pertain to inorganic substances.
Bioaccumulation	Does not bioaccumulate.
Mobility	No information available.
Other Adverse Effects	None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with local regulations.
US EPA Waste Number	D001
Contaminated Packaging	Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT

UN/ID no	1457
Proper Shipping Name	CALCIUM PEROXIDE MIXTURE
Hazard class	5.1
Packing Group	II

TDG

UN/ID no	1457
Proper Shipping Name	CALCIUM PEROXIDE MIXTURE
Hazard class	5.1
Packing Group	II

ICAO/IATA Oxidizers are prohibited from aircraft.

IMDG/IMO

UN/ID no	1457
Proper Shipping Name	CALCIUM PEROXIDE MIXTURE
Hazard class	5.1
Packing Group	II

ADR/RID

UN/ID no	UN 1457
Proper Shipping Name	OXIDIZING SOLID, n.o.s. (Calcium Peroxide)
Hazard class	5.1
Packing Group	II

OTHER INFORMATION This material is shipped in 25 lb. plastic pails, and 30 lb. and 100 lb. fiber drums.

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIoC (New Zealand)
Calcium Peroxide 1305-79-9 (>75)	X	X	X	X	X	X	X	X	X
Calcium Hydroxide 1305-62-0 (<25)	X	X	X	X	X	X	X	X	X

CANADA

WHMIS Hazard Class

C - Oxidizing materials
D2B - Toxic materials

16. OTHER INFORMATION

NFPA	**Health Hazards** 2	**Flammability** 0	**Stability** 1	**Special Hazards** OX
HMIS	**Health Hazards** 2	**Flammability** 0	**Physical hazard** 0	**Special precautions** J

NFPA/HMIS Ratings Legend Special Hazards: OX = Oxidizer
Protection=J (Safety goggles, gloves, apron, combination dust and vapor respirator)

Revision date: 2015-04-16
Revision note Initial Release

Disclaimer

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Prepared By:

PeroxyChem

End of Safety Data Sheet

Appendix C
Remedial Injection Proposal

DeepEarth Technologies, Inc.
"Where Science & Technology Meet"

DeepEarth Technologies, Inc.
8201 W. 183rd St., Suite C
Tinley Park, IL 60487
(708) 396-0100
tech@deepearthtech.com

A Preliminary Proposal for the Application of

Cool-Ox®

Controlled In-Situ Chemical Oxidation Technology

Prepared for
David Bonga

GHD
14998 W 6th Avenue
Suite 800
Golden, CO 80401

Project
Phillips 66
East Hobbs Junction Pipeline Release
Hobbs, NM

February 5, 2018

DTI Project #2252

February 5, 2018 **DTI Proposal # 2252**

David Bonga
GHD Services Inc.
14998 W 6th Avenue
Suite 800
Golden, CO 80401

RE: ***Phillips 66 East Hobbs Junction Pipeline Release Site, East Hobbs, Lea County, New Mexico – Proposed Cool-Ox® Application***

Dear David,

We have reviewed the data you supplied regarding the natural gas condensate pipeline release at Phillips 66 East Hobbs Junction Pipeline Release Site, East Hobbs, Lea County, New Mexico as well as your recommendations regarding a proposed *Cool-Ox*® application targeted to move the site toward environmental closure. Based upon the results we achieved at a similar release a La Junta, Colorado, we believe the remedy designed for this Hobbs, New Mexico site will deliver the results you desire. Because of the presence of caliche at this site and the probability for DPT refusal, the application technique at this site also involves employing existing wells to deliver *Cool-Ox*® to the subsurface. Thus, we convened discussions with our field crew that implemented the work at the La Junta site. The findings of these discussions concluded that the distribution of the *Cool-Ox*® should be extensive enough to destroy any remaining LPH and initiate bioactivity sufficient to implement the remediation of the groundwater.

Suggestions from Our Application Group

Based upon the information submitted concerning the heterogeneous terrain found throughout the subsurface of this site, it was assumed that employment of a DPT rig to access the deeper contaminants would be obviated. Therefore, injection of *Cool-Ox*® into monitoring wells, recovery wells or injection wells was the proposed method of application.

Project Objectives

The objectives of this full-scale application are as follows:

1. To design and implement a remedial program that shall destroy the LPH currently providing a source of VOCs (BTEX) to groundwater.
2. To create a condition in-situ that will allow the *Cool-Ox*® to penetrate the soil media that may harboring LPH.
3. By destroying the LPH, creating conditions for subsequent aggressive biodegradation of dissolved phase BTEX contaminants.

Application Rationale

Based upon the results observed at other sites, GHD has proposed that *Cool-Ox*® be injected directly into monitoring wells that are still showing presence of COCs. Because of the disbursement of the wells identified for injection, as well as the potential for the presence of liquid petroleum hydrocarbons (LPH) in some wells, it is recommended that approximately 500 gallons of *Cool-Ox*® be injected into each monitoring well with dissolved concentrations or measurable LNAPL thickness until each designated well on site has been treated. This method of application will prevent any reaction of *Cool-Ox*® up the monitoring well annulus and allow for a reaction across the top of the water table and through the soil media on site. This proposed process could be completed several times on each well in one field event.

Initially, GHD suggested that every well that has historically had LNAPL or benzene over cleanup levels be injected, however, this was modified to inject only those wells that currently do not meet closure criteria. With minor modifications (specific to the nuances of the *Cool-Ox*® Technology), DTI wholehearted concurs with GHD's conclusions and recommendations. The design and placement of injection points to maximize the distribution of *Cool-Ox*® to the contaminated formation is critical. So too, is a design that speaks to maximizing the volume of reagent that remains in the formation to accomplish the remediation process. These two parameters can almost always be met by varying the *Cool-Ox*® formulation, the injection volume, and the application technique or (usually) all three. In soils, accessing the contaminated matrix in-situ is accomplished by direct contact using injection or soil blending techniques.

As stated above, reagent volume and pressure do play a part in fracture penetration wherever the *Cool-Ox*® process is applied. The mechanism of surfactant production is the key. The generation of foam at the surface gives us an indication of what is happening below. To generate foam, three (3) components are necessary. These are water, a surfactant and a gas. In partially oxidizing hydrocarbons an amphoteric (hydroxylated hydrocarbon – i.e., surfactant) molecule is formed. Gas (carbon dioxide) is generated by the mineralization of a portion of the contaminants. This gas, forced through the surfactant/water mixture creates foam. In the subsurface, in an effort to escape the reaction zone (that is continuously producing carbon dioxide), the gas seeks out any pathway it can find to dissipate the reaction pressure. In this manner, it will travel through fractures (where available), regardless of the orientation (horizontal or vertical) of the fracture to the formation.

Because the carbon dioxide is formed in the reaction media, it will attempt to escape in any direction to any area of lower pressure. Thus, as the gas migrates, it will push reagent with it thereby, distributing reagent into any fissures or fractures that may be harboring contaminants which in turn, will react to produce more gas and as this gas migrates….etc. This dynamic mixing process underpins the in-situ success of the *Cool-Ox*® technology in any media where it may be applied. Thus, it follows, that the more injection points that are installed, the greater the probability of contact with the contaminant becomes.

Work Plan

Health & Safety

DTI will mobilize to the site pursuant to the mobilization plan outlined in the Job Safety Analysis (JSA) developed for the Site-Specific Health & Safety Plan (SSH&SP) pertaining to this site. Once on site, a preconstruction meeting will be conducted that shall include personnel from both DTI and GHD as well as members from any other company or organization authorized by GHD to have site access privileges. During the meeting, the JSAs will be discussed and understood such that each member of the remedial team shall know and understand their jobs or functions during the site work. Each working day shall begin with a tool box safety meeting.

Upon completion of the SSH&SP orientation, DTI will locate the wells designated for injection and assess the site to determine the optimum placement of equipment to facilitate the most efficient application. Third party shipment of materials will be received and stored in the secure chemical storage truck (pursuant to OSHA regulations). This unit supports the operation of the DTI *Deep-Shot® Rig* that will be providing the reagent blending and injection functions. The injection wells will be fitted with the proper equipment to allow sealing such that once the injection hoses are attached to the wells, pressure can be applied to drive the reagent into the formation. When all the setup work has been completed, a final inspection of all equipment and connections shall be conducted to assure that both the desired application and safe operation can be accomplished.

Well Injections

Prior to implementation of the pumping phase, all targeted injection wells would be fitted with valves such that, the flow of reaction gases (carbon dioxide) from the wells can be contained. Quick connectors would also be attached such that, rapid connection of the injection hoses can be affixed to the Wells. When all of the hardware has been installed and inspected for integrity, the injection process is ready to begin. Prior to the onset of pumping activities, the valves on all injection wells would be opened and fitted with devices to alert the operators to the evolution of any reaction gases that may be communicating between the wells. At this point, a pre-injection site meeting would be commenced to assure that all site personnel are familiarized with the proposed procedures and all safety factors are refreshed.

It is suggested that implementation of the injection process begin with one-hundred (100) gallons of *Cool-Ox®* injected into each injection well. This process ensures that well screens are cleared of product and that an optimum flow pattern into the formation from each well can be achieved. After each well is thus injected, the valves will be closed to assure that gases do not escape from the injected wells. During this process, all other injection wells will be closely observed to determine if any reaction gases are communicating with wells to be injected or just simply located in the suspected bedrock fracture pathway.

Once this initial process has been completed, each well will be injected with the maximum design volume of *Cool-Ox®*. Five-hundred (500) gallons of *Cool-Ox®* has been designed for application to each well (in two (2) application events of two-hundred fifty (250) gallons each. One (1) day (or

sufficient time) will be set aside between the injection events to allow subsurface conditions to equilibrate. Based upon observations made when treating other sites in this manner, it is believed that this injection strategy will allow anticipated reaction pressures that may be built up during the injection work to subside sufficiently to accommodate the second round of injections.

Cool-Ox® Design Specifics and Pricing: (DTI Job # 2252)

The design below covers the work scope for the application of the *Cool-Ox*® process for the remediation of the LPH and initiation of the bioremediation of contaminated groundwater found at the Phillips 66 East Hobbs Junction Pipeline Release Site, East Hobbs, Lea County, New Mexico. All mob/demob costs, *Cool-Ox*® chemical costs, equipment and personnel expenses and per diem costs are included in this lump sum pricing proposal. The pricing includes all expenses for a single *Cool-Ox*® application of the design specifications as listed below.

	Well Injection
Number of wells:	14*
Vertical Treatment Interval (VTI):	Well screen
IP Spacing (ft):	Well Locations
Total Gallons (including all wells):	7,000**
Estimated days to complete:	7
Estimated Job Pricing (Lump Sum):	$99,574

*The number of wells may vary depending upon the options that become apparent during the injection process.
**Injections shall include 500 gallons *Cool-Ox*® into each of 14 wells in two injection events of 250 gallons each day with one day between events to allow equilibrium

Equipment & Personnel

On site Personnel (4): Site Manager/Operator (Site Safety Officer),
Field Chemist, *Cool-Ox*® Formulator,
2 - Deep-Shot™ Operator/Formulators

Equipment: 2 Field Service Trucks,
1 x 28-foot Secure Chemical Storage Truck,
1 *Deep-Shot*™ Formulation & Injection Trailer

Expectations:

Although DTI does not have a window to the specific subsurface conditions at the site, we can however, based upon information and observations made by GHD and DTI personnel at similar sites, offer suggestions on what to expect at the Hobbs site. We have volunteered some expectations in the text above, where we have discussed the rationale of the application.

Based upon the information we currently have available for the Hobbs site, we expect to see LPH concentrations decrease significantly and depending upon the ability of the site to accept reagent,

see groundwater contaminant concentrations decrease after sixty (60) days with all LPH in wells reduced to non-detection.

DTI appreciates the opportunity to review this site and provide a remedial design to GHD. Should you have any questions after reviewing this document, please contact us promptly so that we might support you to meet your schedule on this project. Please be aware that in addition to your contact with me, you may reach our Customer Services Group at our corporate number. Our customer support personnel are experts in providing assistance to you and are skilled in locating us if we are out of the office when you call. In closing, may I again thank you for this opportunity.

Sincerely,

Bill Lundy

Sr. V. P.
DeepEarth Technologies, Inc.
wlundy@cool-ox.com

DeepEarth Technologies, Inc.

Cool-Ox®

8201 W. 183rd Street, Suite C - Tinley Park, IL 60487 - (708) 396-0100 fax (708) 396-0111 - tech@cool-ox.com

DTI Field Services Group - Summary Sheet for Cool-Ox® Application

GHD
14998 West 6th Avenue
Suite 800
Golden, CO 80401
Attention: David Bonga, EIT

Site: East Hobbs Junction
Hobbs, NM

Phone: (720) 974-0935

1/22/2018

DTI Job #: **2252**

david.bonga@ghd.com

DeepEarth Technologies, Inc., is pleased to submit this proposal for *Cool-Ox®* remediation of subject site:

Contaminants:	LNAPL / BTEX	Depth to Groundwater (feet bgl):	30
Media Treated:	Soil & GW	Vertical Extent (feet bgl):	NA
Area (square feet):	NA	Proposed Injection Point Spacing (feet):	NA
Cubic Yards:	NA	Reagent Per Cubic Yard (gal):	NA
Number of Points:	14	Est. On-Site Days to Complete:	7
Estimated Total Gals:	7,000		
Gals Per Point:	500		
Lump Sum Price:	$ 99,574		

Conditions of Quote:

1) All quotes shall remain in effect for a period of sixty (60) days only. Expired quotes must be renegotiated prior to the beginning of work.

2) The Client shall:
   a) Arrange for a suitable water source at the site.
   b) Arrange for the locating and marking of all underground utilities and structures. DTI shall not be liable for any damage to such utilities or structures not clearly identified and revealed to DTI.
   c) Secure any and all permits necessary for the legal commencement of work.
   d) Consultant shall obtain right of entry to project site.
   e) If necessary, complete any and all coring of paved surfaces prior to the commencement of work.
   f) Pay DTI for all work completed within 30 days of receipt of DTI invoice. For projects in excess of $200,000 a minimum deposit in the amount of 1/3 of the quoted price will be required prior to the commencement of work to cover a portion of the materials and mobilization costs.
   g) If payment is not received within 30 days of receipt of DTI invoice, a late payment fee of 1.5% per month will be charged.

3) Assumptions:
   a) No work shall be conducted in inclement weather such as lightening storms, freezing conditions, excessive rain or snow. The Stand-by daily rate, if applicable, shall be that rate stated in the work order.
   b) All quotes are based upon an eight (8) hour work day.
   c) Unless otherwise noted, all quotes shall **include** the cost of direct push subcontractors.
   d) In offering this quote, DTI does not warrant or imply that the site shall be remediated to closure standards by a single application of the *Cool-Ox®* technology,

4) Site Specific Provisions:
   a) This estimate includes all costs for material, labor and equipment for injections.
   b) If a larger treatment area or additional reagent is required to adequately treat the site, a surcharge will be incurred by client.

5) Ownership of Documents, Patents, and Copyrights:

Client understands and agrees that the primary reason Client is contracting with DTI is to secure the services and knowledge of DTI to provide Client with in-situ or ex-situ remediation of contaminants employing technology and application methods developed and provided by DTI. Client further understands and agrees that in the broadest definition of the term, the "craft" of DTI is providing, developing and improving the technology for the exclusive commercial or other use of DTI and that all intellectual property developed in the performance of any and all Work performed by DTI for Client or its clients, including, without limitation, all drawings, specifications, reports, summaries, samples, photographs, memoranda, notes, calculations, and other documents collected or prepared by DTI, shall be deemed the exclusive property of the DTI.

We at DTI wish to thank you for your consideration of our company as your in-situ chemical oxidation remedial contractor. If you have any questions regarding the technology or the information contained in this proposal, please contact us immediately. If you are in agreement with the proposal and wish to proceed with the project by reserving a work schedule date, please sign below and return this form to us.

Sincerely,

William L. Lundy, Sr. V. P.

DeepEarth Technologies, Inc.

Accepted:

Name and Title:_____

Order Number:_____ Date:_____

Appendix D
New Mexico Environment Department - Groundwater Quality Bureau - Notice of Intent to Discharge

New Mexico Environment Department
Ground Water Quality Bureau

Ground Water Quality Bureau
Notice of Intent to Discharge

For Department use Only:

Agency Interest Number_____
PRD Assigned _____

1. Name and mailing address of person proposing to discharge (Responsible Person):

Becky Hesslen
Phillips 66 Remediation Management
420 S. Keeler Avenue, 1708-01
Bartlesville, Oklahoma 74003

Work Phone: 918-977-4511
Cell/Home Phone: 918-914-3846
Fax: 918-977-8157
Email: Becky.Hesslen@p66.com

2. Name and Position of person Completing Form:

David Bonga
GHD Services, Inc.
14998 West 6th Avenue, Suite 800
Golden, Colorado 80401

Work Phone: 720-974-0951
Cell/Home Phone: 616-821-1012
Fax: 720-974-0936
Email: david.bonga@ghd.com

3. Name of facility:

Phillips 66 East Hobbs Junction

4. Physical location of the discharge (if applicable, give street address, township, range, section, distance from closest town or landmark, directions to facility, location map):

32°40'52.83"N, 103° 9'55.27"W
Hobbs, New Mexico

5. Type of operation generating the discharge (e.g., agricultural facility, domestic wastewater discharge, industrial discharge, mining operation, etc.):

Environmental groundwater remediation

6. Source(s) of the discharge. Describe how the wastewater, sludge, or other discharges processed and/or disposed at your facility are generated. Identify all sources. Attach additional pages if needed:

Discharge solution will be batch mixed on site and then pumped under pressure into the groundwater below the site via 2 and 4 inch monitoring wells. There are thirteen injection wells

7. Expected contaminants in the discharge (e.g., nitrate-nitrogen, metals, organic compounds, salts, etc.) Include estimated concentration if known, and copies of results of laboratory analyses, if available:

Approximately 7,000 gallons of Cool-Ox ™ will be injected. The safety data sheets are attached.

New Mexico Environment Department
Ground Water Quality Bureau

Ground Water Quality Bureau
Notice of Intent to Discharge

For Department use Only:

Agency Interest Number_____
PRD Assigned _____

8. Describe all components of wastewater processing, treatment, storage, and disposal system (e.g., pre-treatment units, impoundments(s), septic tank/leachfield, etc.). Include sizes, site layout map, plans, and specifications, etc. if available:

Not Applicable

9. Estimated maximum daily discharge volume in gallons per day. Provide water usage records or system sizing criteria if available:

3,500 gallons maximum per day. Two days of injections are planned over a five day period

10. Estimated depth to ground water (ft): ~30 feet Source of information GHD's Interface Probe

11. Current Total Dissolved Solids Concentration in Groundwater Unknown

Signature: Becky Hesslen Date: 3/28/18

Printed name: Becky Hesslen Title: Program Manager Phillips 66

Certification by Responsible Person

I, Deborah N Sires, hereby certify that the information and data submitted in this application are true and accurate as possible, to the best of my knowledge and professional expertise and experience.

Signed this 28th day of March, 2018 upon my oath or affirmation, before a notary of the State of OKLAHOMA

Deborah N. Sires

DEBORAH N. SIRES
Notary Public
State of Oklahoma
Commission # 04002903
My Commission Expires Mar 29, 2020

Please return this form to:
NMED Ground Water Quality Bureau
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

Telephone: 505-827-2900
Fax: 505-827-2965

Diammonium Phosphate, Technical, Granular

LidoChem, Inc.
20 Village Court
Hazlet, NJ 07730
Phone#:(732) 888 8000
Fax#: (732) 264 2751
email: info@lidochem.com

MATERIAL SAFETY DATA SHEET	
MSDS#:	952
Product Code:	DAPGSIC
Date Printed:	08/02/12
Review/Revision Date:	01/09/11

SECTION I - General Information And Chemical Product Identification

Trade Name:	Diammonium Phosphate, Technical, Granular
Chemical Name:	Ammonium Phosphate, Dibasic
Chemical Formula:	$(NH4)_2$ H PO_4
Chemical Family:	Ammonium Phosphates
Synonyms:	Ammonium Phosphate, Dibasic, - DAP
CAS#:	7783-28-0
D.O.T. Shipping Name:	Diammonium Phosphate

SECTION II - Composition/information On Ingredients

CAS#:	Common Name:	ACGIH/PPM		OSHA/PPM	
		TWA	STEL	PEL	% by Wt.
7783-28-0	Ammonium Phosphate, Dibasic	None	None	None	1

SECTION III - Hazard(s) Identification

Route(s) of Entry:	Inhalation, Ingestion and Dermal.

Emergency Overview

Not considered a hazardous product. Mildly irritating to skin, eye, respiratory tract.
It is a colorless crystal, odorless.
Emergency responders use PPE suitable for the situation to which they are responding.
Product is not flammable or reactive.

Potential Health Effects:

Acute eye: May cause irritation.
Acute Skin: Skin absorption not likely. May cause irritation.
Acute Inhalation: May cause upper respiratory tract irritation.
Acute Ingestion: Ingestion of large quantities may cause nausea, vomiting, diarrhea, abdominal cramps.

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Signs & Symptoms Of Exposure:

Acute Effects: May cause irritation of the eye, skin and respiratory tract, sore throat, coughing.
In children may cause formation of methaemoglobin (blue baby syndrome) and cyanosis - blueness around the mouth may occur.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION IV - First Aid Information

Ingestion:

If product is ingested, irritation and nausea may occur. Give several glasses of water. **Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** If vomiting occurs, keep head below hips to reduce risk of aspiration. Give fluids again. Seek medical attention if health effects occur. Do not induce vomiting. Get medical attention.

Eyes:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

Skin:

Product may irritate the skin. In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse. Skin contact may aggravate existing skin disease.

Inhalation:

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardiopulmonary resuscitation). Seek medical attention.
Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.
NOTE: See Section XVI - Other Information

SECTION V - Fire And Explosion Data

NFPA Hazard Ratings:	*0 = minimal*	*1 = slight*	*2 = moderate*	*3 = serious*	*4 = severe*	*N/R = Not Rated*
Health: 0	Fire: 0		Reactivity: 0		Special: N/a	
Flash Point:	N/A		Methods Used:			
Flammable Limits:	N/A		Lel:	N/A	Uel:	N/A
Autoignition Temp:	N/A					

Extinguisher Media

Not combustible. Use extinguishing method suitable for surrounding fire.

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MSDS#:	952
Product Code:	DAPGSIC
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Special Fire Fighting Procedures

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

Unusual Fire and Explosion Hazards

None

Hazardous Combustion Products:

Not combustible.

Emergency Response Guidebook Information:	171

Section VI- Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear appropriate protective gear for the situation. Dike or retain dilution water or water from fire fighting for later disposal. Sweep or vacuum up and place in an appropriate closed container. DO NOT RETURN MATERIAL TO ITS ORIGINAL CONTAINER. Clean up residual material by washing area with water and detergent. Runoff from fire control or dilution water may cause pollution. Prevent material from entering public sewer system or any waterways.

Section VII- Handling and Storage

Handling and Storage

Avoid direct of prolonged contact with skin and eyes. Avoid generating dust. Store in tightly closed containers. This product is hygroscopic and tends to cake in storage. Store in an area that is cool, dry with a stable temperature away from heat source.

Section VIII - Exposure Control and Personal Protection

Skin Protection

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given to both to durability as well as permeation resistance.

Respiratory Protection

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

Eye Protection

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

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Product Code:	DAPGSIC
Date Printed:	08/02/12
Review/Revision Date:	01/09/11

Other Protection:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the above listed and following traditional exposure control techniques may be used to effectively minimize employee exposures.

Ventilation Limits:

Provide Natural or Mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Exposure Limits

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit:
ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED : 10mg/cubic meter(INHALABLES)
ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED: 3mg/cubic meter (RESPIRABLE)

Hygienic Practices:

All food / smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Section IX - Physical and Chemical Properties

Molecular Weight:	132.06
Boiling Point:	225 deg. F
Melting Point:	May decompose before melting
Specific Gravity:	N/A
Vapor Pressure(mm/hg):	N/A
Vapor Density(air=1):	N/A
Reactivity In Water:	None
Solubility In Water:	41 wt/wt% at 20 deg C (68 deg F)
Appearance And Odor:	White, gray, brownish or colored grandules, odorless
Other:	pH: (1% solution @ 25 Deg C.): 7

Section X - Stability and Reactivity

Stability:

This material is stable under normal handling and storage conditions.

Conditions to Avoid:

Extreme heat, rain.

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Incompatible Materials:

Strong bases, sodium hypo chlorite, combustible materials, reducing agents, acids, alkalis, chlorates, chlorides, chromates, nitrates, perinanganates, metallic powder, substances containing copper, nickel, cobalt, zinc and their alloys.

Hazardous Decomposition Products:

Water vapor and toxic gases such as nitrogen oxides, ammonia, chlorine, and hydrogen chlorine may be given off.

Polymerization Conditions To Avoid:

N/Ap

Section XI - Toxicological Information

Eye Effects:

Slightly irritating (Rabbit, 2.2/110.0, 24 hour exp)

Skin Effects:

Non irritating (Rabbit, 0.0/8.0, 24 hour exp)

Dermal Toxicity:

Practically Nontoxic (Rabbit LD 50 - > 7,940 mg/kg)

Inhalation Effects:

Not established.

Sensitization:

Not established.

Ingestion Effects:

Practically Nontoxic (Rat LD50 - 2,000 mg/kg)

Carcinogenicity/Mutagenicity:

This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as a probable or suspected human carcinogen. No information found on Mutagenicity.

Reproductive Effects:

No data found for this product.

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Neurotoxicity:

No data found for this product.

Target Organs:

No data found for this product.

Additional Toxicological Information:

None

Section XII- Ecological Information

Biodegradability:	No data found for this product.
Ecotoxicity:	Low toxicity to aquatic life.
Biological Oxygen Demand(BOD5):	No data found for this product.
Chemical Oxygen Demand:	No data found for this product.
Activated Sludge Respiration Inhibition Test:	No data found for this product.

Additional Ecological Information:

None

SECTION XIII - Disposal Considerations

Waste Disposal Methods:

Chemical additions, processing or otherwise altering material may make the waste management information presented in MSDS incomplete, inaccurate or otherwise inappropriate. Be advised that state/local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of this material.

Container Disposal Information:

Be advised that state/local requirements for container disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of container.

Section XIV - Transport Information

Proper Shipping Name:	**Diammonium Phosphate**

D. O. T. Hazard Class:	Not regulated by D.O.T.	UN:	N/A
Label Requirement:	None	RQ:	N/A
Placard:	None		
Packing Group:	N/A	CAS:	7783-28-0

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MSDS#:	952
Product Code:	DAPGSIC
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Review/Revision Date:	01/09/11

Section XV - Regulatory Information

State Right To Know Laws:

The following ingredients are disclosed for compliance with State Right to Know Laws:

CAS#	Chemical Name	State RTK
	none	

SARA Title III Hazard Classes Sections 311/312:

N/A

OSHA Status:

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

TSCA Status:

Listed/Non-reportable

SARA Section 313 :

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS#	Chemical Name:
	none

Cercla, 40 Cfr 117, 302:

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

Cercla Listed Substances Are:

none

SARA Superfund Section 110:

This product does not contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

California Proposition 65:

This product contains a chemical (or chemicals) known to the State of California to cause cancer and birth defects or other reproductive harm.

Michigan Critical Materials:

This product does not contain ingredients listed on the Michigan Critical Materials Register.

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Product Code:	DAPGSIC
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CAA:	None known.
CWA:	None known.
RCRA:	Not considered a hazardous waste.
Canada CEPA:	All intentional ingredients are listed on the DSL.
Canada WHMIS:	Not controlled.

SECTION XVI- Other Information

Medical Conditions Possibly Aggravated by Exposure:
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Notes to Physician:
Ingestion of large quantities of phosphate salts (over 1.0 grams for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses such as 4-8 grams will almost certainly cause these effects in everyone. In healthy individuals most of the ingested salt will be excreted in the feces with the diarrhea and, thus, not cause any systemic toxicity. Doses greater than 10 grams hypothetically may cause systemic toxicity. Treatment should take into consideration both anionic and cation portion of the molecule. The following treatments should be considered for the specific group(s) of phosphate salts found in this product.
All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcemia, so calcium levels should be monitored.
Ammonium salts have a hypothetical risk of ammonia toxicity. In addition to calcium levels, ammonia and phosphate levels should be monitored.
Potassium salts have a hypothetical risk of hyperkalemia which can cause cardiac arrhythmia. In addition to calcium levels, potassium and phosphate levels should be monitored. Also consider continuous EKG monitoring to detect hyperkalemia.
Sodium salts have a hypothetical risk of hypernatremia. In addition to calcium levels, sodium and phosphate levels should be monitored.

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

N/Av:	Not Available	N/Ap:	Not Applicable
N/R:	Not Rated	ND:	Not Determined
ACGI	American Conference of Govr'ntal Industrial Hygienists		
OSHA:	Occupational Saftey and Health Administration	TLV:	Threshold Limit Value
PEL:	Permissable Exposure Limit	TWA:	Time Weighted Average
STEL:	Short Term Exposure Limit	NTP:	National Toxicology Program
IARC:	International Agency for Research on Cancer		
SARA Title III:	Superfund Amendments and Reauthorization Act		
CERCLA:	Comprehensive Response, Compensation and Liability Act		
TSCA:	Toxic Substance Control Act		

Univar USA Inc Safety Data Sheet

SDS No:	
Version No:	019 2015-04-24
Order No:	

3075 Highland Pkwy, Ste 200, Downers Grove, IL 60515
(425) 889 3400

Emergency Assistance

For emergency assistance involving chemicals call
Chemtrec - (800) 424-9300

SAFETY DATA SHEET

THE DOW CHEMICAL COMPANY

Product name: VERSENE™ Acid Chelating Agent

Issue Date: 04/17/2015
Print Date: 04/18/2015

THE DOW CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. IDENTIFICATION

Product name: VERSENE™ Acid Chelating Agent

Recommended use of the chemical and restrictions on use
Identified uses: Chelating agent. For industrial use only. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

COMPANY IDENTIFICATION
THE DOW CHEMICAL COMPANY
2030 WILLARD H DOW CENTER
MIDLAND MI 48674-0000
UNITED STATES

Customer Information Number: 800-258-2436
SDSQuestion@dow.com

EMERGENCY TELEPHONE NUMBER
24-Hour Emergency Contact: 800-424-9300
Local Emergency Contact: 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification
This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.
Acute toxicity - Category 4 - Inhalation
Eye irritation - Category 2A

Label elements
Hazard pictograms

Signal word: **WARNING!**

Hazards
Causes serious eye irritation.
Harmful if inhaled.

Precautionary statements

Prevention
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection/ face protection.

Response
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

Other hazards
no data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: edetic acid
This product is a substance.

Component	CASRN	Concentration
Ethylenediamine tetraacetic acid	60-00-4	99.0%
Water	7732-18-5	1.0%

4. FIRST AID MEASURES

Description of first aid measures
General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Skin contact: Wash off with plenty of water.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed
Notes to physician: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

Unsuitable extinguishing media: no data available

Special hazards arising from the substance or mixture
Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide. Ammonia.

Unusual Fire and Explosion Hazards: Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate.

Advice for firefighters
Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Refer to section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Sweep up. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing dust. Use with adequate ventilation. Keep container closed. Keep away from heat, sparks and flame. Good housekeeping and controlling of dusts are necessary for safe handling of product. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for safe storage: Store in accordance with good manufacturing practices. Minimize sources of ignition, such as static build-up, heat, spark or flame. Do not store in: Opened or unlabeled containers. Zinc. Aluminum and its alloys. Carbon steel. Copper. Copper alloys. Galvanized containers. Nickel. Store in original unopened container. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact. See Section 10 for more specific information.

Storage stability
Shelf life: Use within 24 Month
Storage temperature: -18 - 49 °C (-0 - 120 °F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure limits are listed below, if they exist.

None established

Exposure controls
Engineering controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use chemical goggles.

Skin protection

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
The following should be effective types of air-purifying respirators: Particulate filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid.
Color	White
Odor	Mild
Odor Threshold	No test data available
pH	Not applicable
Melting point/range	> 220 °C (> 428 °F) *Measured* Decomposes
Freezing point	> 220 °C (> 428 °F) *Measured* Decomposes
Boiling point (760 mmHg)	Not applicable
Flash point	**closed cup** Not applicable to solids
Evaporation Rate (Butyl Acetate = 1)	Not applicable to solids
Flammability (solid, gas)	Non-flammable
Lower explosion limit	Not applicable to solids
Upper explosion limit	Not applicable to solids
Vapor Pressure	< 0.01 mmHg *Literature*
Relative Vapor Density (air = 1)	No test data available
Relative Density (water = 1)	Not applicable to solids
Water solubility	400 mg/l at 20 °C (68 °F) *Measured*
Partition coefficient: n-octanol/water	log Pow: -3.86 *Estimated.*
Auto-ignition temperature	Not applicable
Decomposition temperature	No test data available
Kinematic Viscosity	Not applicable
Explosive properties	no data available
Oxidizing properties	no data available
Solid Density	1.46 g/cm3 at 20 °C *Measured*
Bulk density	54 lb/ft3 *Literature*
Molecular weight	292.24 g/mol *Literature*

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: no data available

Chemical stability: Thermally stable at typical use temperatures.

Possibility of hazardous reactions: Polymerization will not occur.

Conditions to avoid: Exposure to elevated temperatures can cause product to decompose. Avoid static discharge.

Incompatible materials: Avoid contact with oxidizing materials. Avoid contact with: Strong bases. Avoid contact with metals such as: Carbon steel.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Ammonia. Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Toxicological information on this product or its components appear in this section when such data is available.

Acute toxicity

Acute oral toxicity
Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

LD50, Rat, male and female, 4,500 mg/kg

Acute dermal toxicity
Prolonged skin contact is unlikely to result in absorption of harmful amounts.
The dermal LD50 has not been determined.

Acute inhalation toxicity
Prolonged excessive exposure to dust may cause adverse effects. For narcotic effects: No relevant data found.

LC50, Rat, male, 6 Hour, dust/mist, > 1 mg/l

Skin corrosion/irritation
Prolonged contact may cause skin irritation with local redness.
Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage.
May cause more severe response if skin is abraded (scratched or cut).
May cause more severe response on covered skin (under clothing, gloves).
Not classified as corrosive to the skin according to DOT guidelines.

Serious eye damage/eye irritation

May cause moderate eye irritation.
May cause slight corneal injury.
Effects may be slow to heal.

Sensitization
For similar material(s):
Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:
No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)
Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure)
Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

Carcinogenicity
The trisodium salt of EDTA did not cause cancer in laboratory animals.

Teratogenicity
EDTA and its sodium salts have been reported to cause birth defects in laboratory animals only at exaggerated doses that were toxic to the mother. These effects are likely associated with zinc deficiency due to chelation.

Reproductive toxicity
Limited data in laboratory animals suggest that the material does not affect reproduction.

Mutagenicity
Most data indicate that EDTA and its salts are not mutagenic. Minimal effects reported are likely due to trace metal deficiencies resulting from chelating by EDTA.

Genetic Toxicity in vivo
Mouse Bone Marrow Micronucleus Test Mouse negativeResult: negative

Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

COMPONENTS INFLUENCING TOXICOLOGY:

Ethylenediamine tetraacetic acid

Acute dermal toxicity
The dermal LD50 has not been determined.

12. ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

Toxicity

Acute toxicity to fish
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

LC50, Fish., 96 Hour, 1,000 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates
EC50, Daphnia magna (Water flea), static test, 48 Hour, 113 mg/l, OECD Test Guideline 202 or Equivalent

Persistence and degradability

Biodegradability: Material is inherently biodegradable (reaches > 20% biodegradation in OECD test(s) for inherent biodegradability).
10-day Window: Not applicable
Biodegradation: 37 %
Exposure time: 14 d
Method: OECD Test Guideline 302B or Equivalent
10-day Window: Fail
Biodegradation: 0 %
Exposure time: 30 d
Method: OECD Test Guideline 301D or Equivalent

Theoretical Oxygen Demand: 1.37 mg/mg

Photodegradation
Test Type: Half-life (indirect photolysis)
Sensitizer: OH radicals
Atmospheric half-life: 2.12 Hour
Method: Estimated.

Bioaccumulative potential

Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3).
Partition coefficient: n-octanol/water(log Pow): -3.86 at 25 °C Estimated.
Bioconcentration factor (BCF): 1.1 Fish. 28 d Measured

Mobility in soil

Potential for mobility in soil is high (Koc between 50 and 150).
Partition coefficient(Koc): 98

13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer.

14. TRANSPORT INFORMATION

DOT

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.(Ethylenediaminetetraacetic acid)
UN number	UN 3077
Class	9
Packing group	III
Reportable Quantity	Ethylenediaminetetraacetic acid

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard
This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312
This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Worker and Community Right-To-Know Act:
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances knownto the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

United States TSCA Inventory (TSCA)
All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

Product Literature
Additional information on this product may be obtained by calling your sales or customer service contact.

Hazard Rating System
NFPA

Health	Fire	Reactivity
1	1	0

Revision
Identification Number: 101199416 / A001 / Issue Date: 04/17/2015 / Version: 6.0
Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Information Source and References
This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

THE DOW CHEMICAL COMPANY urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

SAFETY DATA SHEET
Calcium Peroxide

SDS # : 1305-79-9-1
Revision date: 2015-04-16
Format: NA
Version 1

PeroxyChem

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Calcium Peroxide

Other means of identification

CAS-No 1305-79-9
Synonyms PermeOx-Solid Peroxygen, Calcium Superoxide, Calcium Peroxide

Recommended use of the chemical and restrictions on use

Recommended Use: Used as a curing agent in certain rubber compounds. Other uses include starch modification, dough conditioner, and ingredient in deodorants, cosmetics and dentifrices.

Restrictions on Use: Use as recommended by the label.

Manufacturer/Supplier

PeroxyChem LLC
2005 Market Street
Suite 3200
Philadelphia, PA 19103
Phone: +1 267/ 422-2400 (General Information)
E-Mail: sdsinfo@peroxychem.com

Emergency telephone number

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)
1 303/ 389-1409 (Medical - U.S. - Call Collect)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 1
Oxidizing Solids	Category 2

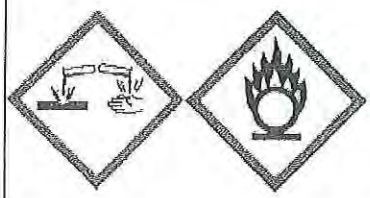
GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger

Hazard Statements

H318 - Causes serious eye damage
H272 - May intensify fire; oxidizer



Precautionary Statements - Prevention
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P221 - Take any precaution to avoid mixing with combustibles
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220 - Keep/Store away from clothing/combustible materials

Precautionary Statements - Response
P370 + P378 - IN CASE OF FIRE: Use water to extinguish
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor

Precautionary Statements - Disposal
P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
No hazards not otherwise classified were identified.

Other Information

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
Calcium Peroxide	1305-79-9	>75
Calcium Hydroxide	1305-62-0	<25

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact — Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician.

Skin Contact — Wash off with soap and water. Get medical attention if irritation develops and persists.

Inhalation — Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

Ingestion — Rinse mouth with water and afterwards drink plenty of water or milk. Do not induce vomiting or give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed — Corneal lesions and irreversible damage if contact with the eyes

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Flood with water.

Unsuitable extinguishing media Dry chemical. Foam.

Specific Hazards Arising from the Chemical Decomposes under fire conditions to release oxygen that intensifies the fire.

Explosion data
Sensitivity to Mechanical Impact Not sensitive.
Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do it without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with the skin and the eyes. Avoid dust formation. Ensure adequate ventilation. For personal protection see Section 8.

Other For further clean-up instructions, call PeroxyChem Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.

Methods for Containment Vacuum or shovel waste into a drum and label contents for disposal. Do not return product to the original storage container/tank due to risk of decomposition. Keep combustibles (wood, paper, oil, etc) away from spilled material.

Methods for cleaning up After cleaning, flush away traces with water. Do not flush powdered material to sewer; Runoff to sewer may create fire or explosion hazard.

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected. If compounded with organics or combustible materials be sure to exclude moisture.

Storage Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition i.e., steam pipes, radiant heaters, hot air vents or welding sparks. Reacts with moisture. Keep container tightly closed.

Incompatible products Heavy metals. Combustible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Calcium Hydroxide 1305-62-0	TWA: 5 mg/m³	TWA: 15 mg/m³ TWA: 5 mg/m³	TWA: 5 mg/m³	Mexico: TWA 5 mg/m³
Chemical name	**British Columbia**	**Quebec**	**Ontario TWAEV**	**Alberta**
Calcium Hydroxide 1305-62-0	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 5 mg/m³

Appropriate engineering controls

Engineering measures	Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	For dust, splash, mist or spray exposure, wear chemical protective goggles.
Skin and Body Protection	Wear suitable protective clothing. Protective shoes or boots.
Hand Protection	Rubber/latex/neoprene or other suitable chemical resistant gloves. Wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.
Respiratory Protection	For dust, splash, mist or spray exposures wear a filtering mask.
Hygiene measures	Clean water, preferably an eyewash station and a safety shower, should be available for washing in case of eye or skin contamination. Handle in accordance with good industrial hygiene and safety practice.
General information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Granules
Physical State	Solid
Color	White to off white
Odor	odorless
Odor threshold	Not applicable
pH	(1% solution) 10.5 - 11.8 @ 25 °C
Melting point/freezing point	Decomposes on heating @ ~275 °C
Boiling Point/Range	No information available
Flash point	Not flammable
Evaporation Rate	No information available
Flammability (solid, gas)	Substance does not burn but will support combustion
Flammability Limit in Air	Not applicable
Upper flammability limit:	
Lower flammability limit:	
Vapor pressure	No information available
Vapor density	No information available
Density	2.92 g/cm³
Specific gravity	2.92
Water solubility	slightly soluble
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	Product is not self-ignitable.
Decomposition temperature	275 °C
Viscosity, kinematic	No information available (Solid)
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	Strong oxidizer
Molecular weight	72.8 (CaO_2)
Bulk density	45 lb/cu ft (loose)

10. STABILITY AND REACTIVITY

Reactivity	Strong oxidizer.
Chemical Stability	Stable under recommended storage conditions. Decomposition can occur on exposure to heat or moisture.

Possibility of Hazardous Reactions	Oxidizable material can be ignited by grinding and may become explosive.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat (decomposes at 275 °C). Humid air. Grinding with organics.
Incompatible materials	Heavy metals. Combustible materials.
Hazardous Decomposition Products	Oxygen which supports combustion. Calcium oxides.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	> 5 g/kg (rat)
LD50 Dermal	> 10 g/kg (rat)
LC50 Inhalation	> 17 mg/L 1 hr (rat)
Serious eye damage/eye irritation	Corrosive. Risk of serious damage to eyes.
Skin corrosion/irritation	Non-irritating (rabbit). May cause skin irritation in susceptible persons.
Sensitization	No information available.

Information on toxicological effects

Symptoms	Dust is irritating eyes, nose, throat, and lungs.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	No known effect.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
Mutagenicity	This product is not recognized as mutagenic by Research Agencies
Reproductive toxicity	This product is not recognized as reprotox by Research Agencies.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects	The environmental impact of this product has not been fully investigated.
Persistence and degradability	Biodegradability does not pertain to inorganic substances.
Bioaccumulation	Does not bioaccumulate.
Mobility	No information available.
Other Adverse Effects	None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with local regulations.
US EPA Waste Number	D001
Contaminated Packaging	Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT

UN/ID no	1457
Proper Shipping Name	CALCIUM PEROXIDE MIXTURE
Hazard class	5.1
Packing Group	II

TDG

UN/ID no	1457
Proper Shipping Name	CALCIUM PEROXIDE MIXTURE
Hazard class	5.1
Packing Group	II

ICAO/IATA — Oxidizers are prohibited from aircraft.

IMDG/IMO

UN/ID no	1457
Proper Shipping Name	CALCIUM PEROXIDE MIXTURE
Hazard class	5.1
Packing Group	II

ADR/RID

UN/ID no	UN 1457
Proper Shipping Name	OXIDIZING SOLID, n.o.s. (Calcium Peroxide)
Hazard class	5.1
Packing Group	II

OTHER INFORMATION — This material is shipped in 25 lb. plastic pails, and 30 lb. and 100 lb. fiber drums.

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIoC (New Zealand)
Calcium Peroxide 1305-79-9 (>75)	X	X	X	X	X	X	X	X	X
Calcium Hydroxide 1305-62-0 (<25)	X	X	X	X	X	X	X	X	X

CANADA

WHMIS Hazard Class C - Oxidizing materials
D2B - Toxic materials

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Stability 1	Special Hazards OX
HMIS	Health Hazards 2	Flammability 0	Physical hazard 0	Special precautions J

NFPA/HMIS Ratings Legend Special Hazards: OX = Oxidizer
Protection=J (Safety goggles, gloves, apron, combination dust and vapor respirator)

Revision date: 2015-04-16
Revision note Initial Release

Disclaimer

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Prepared By:

PeroxyChem

End of Safety Data Sheet

Seeler industries incorporated

SAFETY DATA SHEET

HYDROGEN PEROXIDE 34% (ALL GRADES)

1. PRODUCT AND COMPANY IDENTIFICATION

Company

Seeler Industries, Inc.
1 Genstar Drive
Joliet, IL 60435
(815)740-2640

Emergency Information

Transportation: CHEMTREC: (800) 424-9300
(24 hrs., 7 days a week)

Product Information

Product name: HYDROGEN PEROXIDE 34.5% (ALL GRADES)
Synonyms: H2O2 34.5%
Molecular formula: H2O2
Chemical family: peroxides
Molecular weight: 34.01 g/mol
Product use: Bleaching agent, Oxidizing agent, Cosmetics, Water treatment

2. HAZARDS IDENTIFICATION

Emergency Overview
Color: colourless
Physical state: liquid
Odor: pungent

***Classification of the substance or mixture:**
Oxidizing liquids, Category 2, H272
Oral: Acute toxicity, Category 4, H302
Serious eye damage, Category 1, H318
Specific target organ toxicity - single exposure, Category 3, H335
Chronic aquatic toxicity, Category 3, H412

*For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS-Labelling

Hazard pictograms:

Signal word: **Danger**

Hazard statements:

H272 : May intensify fire; oxidiser.
H302 : Harmful if swallowed.
H318 : Causes serious eye damage.
H335 : May cause respiratory irritation.
H412 : Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:
P210 : Keep away from heat.
P220 : Keep/Store away from clothing/ combustible materials.
P221 : Take any precaution to avoid mixing with combustibles.
P261 : Avoid breathing gas/mist/vapours/spray.
P264 : Wash skin thoroughly after handling.
P270 : Do not eat, drink or smoke when using this product.
P271 : Use only outdoors or in a well-ventilated area.
P273 : Avoid release to the environment.
P280 : Wear protective gloves/ eye protection/ face protection.

Response:
P301 + P312 : IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P304 + P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 : Immediately call a POISON CENTER or doctor/ physician.
P330 : Rinse mouth.
P370 + P378 : In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:
P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.
P405 : Store locked up.

Disposal:
P501 : Dispose of contents/ container to an approved waste disposal plant.

Supplemental information:

Potential Health Effects:
If swallowed:
May cause: gastrointestinal symptoms, ulceration, burns, accumulation of fluid in the lungs which may be delayed for several hours.(severity of effects depends on extent of exposure) .

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
Hydrogen peroxide (H2O2)	7722-84-1	34.5 %	H272, H302, H318, H335, H412
Water	7732-18-5	65.5 %	Not classified

**For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation:
If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin:
In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eyes:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion:
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Rinse mouth.

Notes to physician:
Exposure to material may cause delayed lung injury resulting in pulmonary edema and pneumonitis. Exposed individuals should be monitored for 72 hours after exposure for the onset of delayed respiratory symptoms.

5. FIREFIGHTING MEASURES

Extinguishing media (suitable):
water spray, water fog

Protective equipment:
Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

Further firefighting advice:
Oxidizing material
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Decomposition will release oxygen, which will intensify a fire.
Cool closed containers exposed to fire with water spray.
Closed containers of this material may explode when subjected to heat from surrounding fire.
Do not allow run-off from fire fighting to enter drains or water courses.
Fire fighting equipment should be thoroughly decontaminated after use.

Fire and explosion hazards:
Explosive when mixed with combustible material.
Avoid breathing fumes from fire exposed material.

6. ACCIDENTAL RELEASE MEASURES

In case of spill or leak:
Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Avoid contact with cellulose, paper, sawdust or similar substances. Risk of self-ignition or promotion of fires. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water to ensure that all the hydrogen peroxide is removed. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7. HANDLING AND STORAGE

Handling

General information on handling:
Do not taste or swallow.
Do not get in eyes, on skin, or on clothing.
Avoid breathing vapor or mist.
Keep from contact with clothing and other combustible materials.
Keep away from heat, sparks and flames.
Use only with adequate ventilation.
Wash thoroughly after handling.
Wear fire/ flame resistant/ retardant clothing.
Prevent product contamination.
Keep only in the original container.
Store in tightly closed container.
DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.
Emptied container retains vapor and product residue.
Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
Avoid contamination.

Storage

General information on storage conditions:
Store in tightly closed container. Store in cool, dry, well ventilated area away from sources of ignition such as flame, sparks and static electricity. Store out of direct sunlight in a cool well-ventilated place. Store in original container. Store away from combustibles and incompatible materials. Refer to National Fire Protection Association (NFPA) 430, Code for the Storage of Solid and Liquid Oxidizers.

Storage incompatibility – General:
Store separate from acids, alkalies, reducing agents, and combustibles. Store separate from:

Organic materials

Metallic oxides

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Guidelines:

HYDROGEN PEROXIDE (7722-84-1)

US. ACGIH Threshold Limit Values

Time weighted average	1 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL:	1 ppm (1.4 mg/m3)

Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

Engineering controls:
Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above).If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Respiratory protection:
Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Skin protection:

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact.

When handling this material, gloves of the following type(s) should be worn:

Neoprene

Polyvinylchloride

Impervious butyl rubber gloves

Wear a face shield, chemical goggles and chemical resistant clothing such as an approved splash protective suit made of SBR Rubber, PVC, Gore-Tex or a HAZMAT Splash Protective Suit (Level A, B, or C) when splashing may occur (such as connecting/disconnecting, mechanical first break). For foot protection, wear boots made of NBR, PVC, polyurethane, or neoprene. Overboots made of Latex or PVC, as well as firefighter boots or specialized HAZMAT boots are also permitted. DO NOT wear any form of boot or overboots made of nylon or nylon blends. DO NOT use cotton, wool or leather, as these materials react RAPIDLY with higher concentrations of hydrogen peroxide. Rinse immediately if skin is contaminated. Remove contaminated clothing and shoes immediately. Thoroughly rinse the outside of gloves and protective clothing with water prior to removal. Completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

Eye protection:
Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	colourless
Physical state:	liquid
Odor:	pungent
Odor threshold:	No data available
Flash point	None.
Auto-ignition temperature:	Not applicable
Lower flammable limit (LFL):	Not applicable
Upper flammable limit (UFL):	Not applicable
pH:	No data available
Density:	1.13 g/cm3 (68 °F (20 °C))
Vapor pressure:	24 mmHg (68 °F (20 °C))

Relative vapor density:	1.0
Vapor density:	not determined
Boiling point/boiling range:	226 °F (108 °C)
Freezing point:	-27 °F (-33 °C)
Evaporation rate:	No data available
Solubility in water:	completely soluble
% Volatiles:	100 %
Molecular weight:	34.01 g/mol
Oil/water partition coefficient:	No data available
Thermal decomposition	No data available
Flammability:	See GHS Classification in Section 2

10. STABILITY AND REACTIVITY

Stability:
This material is chemically stable under normal and anticipated storage, handling and processing conditions.

Materials to avoid:
Metals
Organic materials
Reducing agents
Metallic oxides
Dusts
Combustible materials (e.g., wood, sawdust)
Alkaline materials

Conditions / hazards to avoid:
Material decomposes with the potential to produce a rupture of unvented closed containers.

Hazardous decomposition products:

This material decomposes if contaminated, causing fire and possible explosions. Oxygen can be liberated at temperatures above ambient.

11. TOXICOLOGICAL INFORMATION

Data on this material and/or a similar material are summarized below.

Data for HYDROGEN PEROXIDE 34.5% (ALL GRADES)

Acute toxicity

Oral:
Harmful if swallowed. (Rat) LD50 = 1,200 mg/kg. (35 %) (as aqueous solution)

Dermal:
May be harmful in contact with skin. (Rabbit) LD50 > 2,000 mg/kg. (35 %) (as aqueous solution)

May be harmful in contact with skin. (Rat) LD50 > 2,000 mg/kg. (35 %) as aqueous solution

Inhalation:
No deaths occurred. (Rat) 4 h LC0 > 0.17 mg/l. (50 %) (saturated vapor)

Skin Irritation:
Causes mild skin irritation. (Rabbit) Irritation Index: 1.6 / 8. (35 %) (aqueous solution)

Eye Irritation:
Causes serious eye damage. (Rabbit) (35 %) (aqueous solution)

Data for HYDROGEN PEROXIDE (7722-84-1)

Acute toxicity

Specific target organ toxicity - single exposure:
May cause respiratory irritation.

Repeated dose toxicity
Repeated drinking water administration to rat and mouse / affected organ(s): Gastro-intestinal tract / signs: irritation

Repeated inhalation administration to Rat / affected organ(s): nose / signs: irritation

Carcinogenicity
Chronic drinking water administration to rat and mouse / affected organ(s): Gastro-intestinal tract / signs: Increased incidence of tumors was reported.
Classified by the International Agency for Research on Cancer as: Group 3: Unclassifiable as to carcinogenicity in humans.

Genotoxicity

Assessment in Vitro:
Genetic changes were observed in laboratory tests using: bacteria, animal cells

Genotoxicity

Assessment in Vivo:
Genetic changes were observed in a laboratory test using: mice, rats

Human experience
Inhalation:

Throat: irritation. (based on reports of occupational exposure to workers)

Human experience
Skin contact:
Skin: bleaching of hair. (based on reports of occupational exposure to workers)

Human experience
Eye contact:
Eye: irritating. (based on reports of occupational exposure to workers)

Human experience
Ingestion:
Gastrointestinal tract: bloating, ulceration, burns. (accidental exposure to concentrated solutions)

Lung: accumulation of fluid in the lungs, death. (severity of effects depends on extent of exposure)

12. ECOLOGICAL INFORMATION

Chemical Fate and Pathway
Data on this material and/or a similar material are summarized below.

Data for HYDROGEN PEROXIDE (7722-84-1)

Biodegradation:
Readily biodegradable. (0.02 d) biodegradation 99 %

Octanol Water Partition Coefficient:
log Pow = -1.57 (calculated)

Ecotoxicology
Data on this material and/or a similar material are summarized below.

Data for HYDROGEN PEROXIDE (7722-84-1)

Aquatic toxicity data:
Harmful. Pimephales promelas (fathead minnow) 96 h LC50 = 16.4 mg/l

Aquatic invertebrates:
Toxic. Daphnia pulex (Water flea) 48 h EC50 = 2.4 mg/l

Algae:
Toxic. Skeletonema costatum 72 h ErC50 = 1.38 mg/l

Microorganisms:
Activated sludge 0.5 h EC50 = 466 mg/l
Activated sludge 3 h EC50 > 1,000 mg/l

Chronic toxicity to aquatic invertebrates:
Harmful. Daphnia magna (Water flea) 21 d NOEC (reproduction) = 0.63 mg/l

13. DISPOSAL CONSIDERATIONS

Waste disposal:
Dilution with water is the preferred method of disposal. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

14. TRANSPORT INFORMATION

US Department of Transportation (DOT)

UN Number	:	2014
Proper shipping name	:	Hydrogen peroxide, aqueous solutions
Class	:	5.1
Subsidiary hazard class	:	(8)
Packaging group	:	II
Marine pollutant	:	no

International Maritime Dangerous Goods Code (IMDG)

UN Number	:	2014
Proper shipping name	:	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Class	:	5.1
Subsidiary hazard class	:	(8)
Packaging group	:	II
Marine pollutant	:	no

15. REGULATORY INFORMATION

Chemical Inventory Status

EU. EINECS	EINECS	Conforms to
US. Toxic Substances Control Act	TSCA	The components of this product are all on the TSCA Inventory.
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	Conforms to
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL.
Japan. Kashin-Hou Law List	ENCS (JP)	Does not conform
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	Conforms to

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	Does not conform
China. Inventory of Existing Chemical Substances	IECSC (CN)	Does not conform

United States – Federal Regulations

SARA Title III – Section 302 Extremely Hazardous Chemicals:

Chemical Name	CAS-No.	SARA Reportable Quantities	SARA Threshold Planning Quantity
HYDROGEN PEROXIDE	7722-84-1	1000 lbs	1000 lbs

SARA Title III - Section 311/312 Hazard Categories:
Acute Health Hazard, Fire Hazard, Reactivity Hazard

SARA Title III – Section 313 Toxic Chemicals:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

United States – State Regulations

New Jersey Right to Know

Chemical Name	CAS-No.
HYDROGEN PEROXIDE	7722-84-1

New Jersey Right to Know – Special Health Hazard Substance(s)

Chemical Name	CAS-No.
HYDROGEN PEROXIDE	7722-84-1

Pennsylvania Right to Know

Chemical Name	CAS-No.
HYDROGEN PEROXIDE	7722-84-1
Water	7732-18-5

Pennsylvania Right to Know – Environmentally Hazardous Substance(s)

Chemical Name	CAS-No.

HYDROGEN PEROXIDE 7722-84-1

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Miscellaneous:

Other information:

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