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SCS ENGINEERS

August 8, 2018 File No. 25218118.00

Mr. Jason Lowery Wisconsin Department of Natural Resources 101 S. Webster Street Madison, WI 53707

Subject: Well Inventory Summary Keck Farm, Town of Watertown, Jefferson County BRRTS No. 02-28-000945 WDNR Contract No. 37000-000008175

Dear Mr. Lowery:

SCS Engineers (SCS) is providing the following well inventory summary for the Keck Farm project. The inventory included well inspection and labeling, lock installation, well surveying, preparation of an updated site plan, and this inventory summary report with recommendations for well repairs.

The inventory was performed consistent with the Wisconsin Department of Natural Resources' (WDNR's) March 2018 Statement of Work (SOW) with the following exceptions:

- Top of casing (TOC) and ground elevations for wells INJ-6, INJ-7, MW-35D, MW-36, MW-36D, MW-37D, MW-38D, MW-44D, and MW-45D could not be measured within the required 0.01- and 0.1-foot limits, respectively. The height of the corn surrounding these wells prohibited use of a level (i.e., line of sight) to determine the elevations to the specified accuracy. The elevations were instead acquired using a global positioning system (GPS) with an accuracy of approximately 0.2 foot. SCS plans to complete the surveying work in the fall of 2018 during the second round of groundwater sampling and after the corn has been harvested.
- New well locks were not installed at wells MW-12D, MW-13C, MW-30D, INJ-1, and INJ-4 as the protective casings were damaged, or parts needed to secure the caps were missing.

METHODS

Table 1 from the SOW (attached) shows the list of wells to inventory and survey. Well locations are shown on the updated Site Plan, **Figure 1** (attached).

Well Inspection, Locks, and Labeling

SCS conducted the well inventory from July 10, to July 12, 2018. The depth to water and total well depth were measured, and visual inspections were made for each well. The wells were labeled using a waterproof paint marker, and with the exceptions noted herein, new keyed alike locks were installed on each well. Well condition information is provided on Well Condition Summary Forms and well photos included in **Attachment A**.

Each of the 58 wells identified for inventory in **Table 1** was secured with a new lock as of August 1, 2018, except for:

- MW-12D Top of protective casing and/or cap damaged
- MW-13C Top of protective casing and cap damaged
- MW-30D No locking tab on casing and/or cap (6-inch casing)
- INJ-1 Well and protective casing loose/broken at ground surface
- INJ-4 No locking tab on casing

The lock was replaced on the gate in the perimeter fencing at RW-2, and RW-1 is located inside the perimeter fence at the site; thus, these wells are not individually locked but access to the wells is restricted by fencing.

Well Survey

Burse Surveying and Engineering, Inc. (Burse) performed well surveying from July 11, to July 13, 2018. Survey information is provided in **Attachment B**. Burse surveyed well locations to the nearest foot, TOC elevations to the nearest 0.01 foot, and ground surface elevations to the nearest 0.1 foot. As noted above, the height of the corn prohibited surveying some well TOC and ground elevations to the 0.01 and 0.1 limits. All other wells in the inventory were surveyed for elevations and location consistent with the SOW.

Attachment B will be revised and updated by SCS in the fall of 2018, after the elevations are obtained from the wells in the cornfield. A copy of the updated document will be transmitted to WDNR when available.

FINDINGS

General

The monitoring wells (MW) are generally 2-inch-diameter steel or stainless steel. The injection wells (INJ) are generally 2-inch PVC. The recovery wells (RW) are generally 6-inch steel with submersible pumps installed. Well TW-1 is a 6-inch-diameter steel well.

Sections of polyethylene tubing were present in many of the wells. The tubing was apparently utilized in the past for sampling and is generally in good condition. Dedicated bladder pumps

(i.e., QED/Well Wizard) were present in several of the wells. The pumps appeared to be functional, but were not tested.

The protective casings on the monitoring and injection wells generally included slip-on steel caps. In many cases, the caps were corroded so that a hammer was needed to remove them, and in some cases they could not be replaced. The cap was generally secured to the casing by a lock which connects tabs on the two pieces.

Potential Issues

As noted on the Well Condition Summary Forms, there were a number of potential issues identified with the wells. Several wells exhibited discrepancies between the measured well depth and the anticipated (e.g., as-built) depth. Wells with greater than 1-foot depth discrepancies or other issues are note below.

Wells to be Redeveloped and Sampled

- MW-6 Total depth (TD) approximately 1.5 feet shallower than anticipated
- MW-9 TD approximately 3 feet deeper than anticipated
- MW-11D TD approximately 1.5 feet shallower than anticipated
- MW-19C TD approximately 6 feet shallower than anticipated
- MW-26C TD approximately 2 feet deeper than anticipated
- MW-35D TD approximately 2 feet deeper than anticipated
- MW-45D The concrete surface seal apparently heaved and the soil below is eroded.
- MW-46D TD approximately 2 feet deeper than anticipated

Wells Which Require Only Depth to Groundwater Measurement

- MW-12D Obstruction at 20.4 feet below TOC; unable to measure water level. Top of protective casing and/or cap damaged.
- MW-13C Obstruction at approximately 2 feet below TOC; unable to measure water level. Top of protective casing and cap damaged.
- MW-15 An animal has apparently burrowed a hole in the soil near the well.
- MW-22C TD approximately 4.5 feet shallower than anticipated
- MW-25C TD 20.9 feet shallower than anticipated
- MW-27 TD 6.3 feet shallower than anticipated
- MW-29 TD approximately 4 feet shallower than anticipated
- MW-30D No locking tab on casing and/or cap (6-inch casing)
- MW-33D TD approximately 26 feet shallower than anticipated
- MW-41D TD approximately 4.5 feet shallower than anticipated

Wells Not in the Proposed Monitoring Program

- INJ-1 Both PVC well and steel casing can be moved; TD approximately 21 feet shallower than anticipated
- INJ-2 Unable to obtain TD or depth to water; obstruction at approximately 6 inches below TOC. Reducing fitting and smaller piping could not be removed from inside the well.
- INJ-3 TD approximately 18 feet shallower than anticipated
- INJ-4 Protective casing is dented and has cracks in it. No locking tab on casing.
- INJ-5 Animal burrow hole next to well

RECOMMENDATIONS

General

All wells which are damaged or determined to be no longer needed should be permanently abandoned in accordance with NR 141. Wells which are not maintained can may become "lost" or destroyed, and may act as a preferential pathway for contaminant migration. An example would be INJ-1 where the well and protective casing move freely inside the metal casing above ground surface indicating that the well and protective casing are not intact. Repairs are possible, but would be difficult in that a section of the casing would have to be removed below the ground surface. It is likely more cost effective to abandon the well, especially if the monitoring location is not necessary and does not need to be replaced.

If requested, SCS will develop a scope of work and cost estimate for well abandonment or other tasks summarized below.

Although the well labeling described herein is expected to be sufficient for the duration of this project, more permanent well identification tags could be created and affixed to the outside of the protective casings of the monitoring wells at the site.

Wells to be Redeveloped and Sampled

- Repair the surface seal at well MW-45D. The repair at MW-45D would be completed by removing the concrete above the ground surface and placing an approximate 6-inch layer of bentonite chips within 4 inches of the outside of the well casing. Any soil removed from the around the outside of the casing would be relocated atop the bentonite chips. There were no significant issues identified at any of the other 19 wells that are proposed to be redeveloped and sampled.
- Further evaluate wells with depth discrepancies as necessary. Although there was some difference in the measured and anticipated well depth at some wells, the variations are not consistent and may not indicate a problem with the well construction. The total depths will be evaluated after redevelopment.

Wells Which Require Only Depth to Groundwater Measurement

- Add caps and locking mechanisms to MW-12D, MW-13C, and MW-30D.
- Fill the animal hole adjacent to well MW-15 with soil as it is a trip hazard.
- Evaluate obstructions at wells MW-12D and MW-13C as necessary. The steel well casing was obstructed at the ground surface at MW-13C and at approximately 20 feet below ground surface (bgs) at MW-12D. While the well with the shallow obstruction may be repairable, the repair of the blockage at 20 feet bgs may not be practical. There are other nested wells at these locations; thus, water level data from these two points may not be critical in compilation of shallow or deep groundwater flow maps.
- Evaluate obstructions or depth discrepancies at other wells as necessary. Although there were some significant differences in the measured and anticipated well depth at some wells (i.e., up to 26 feet at MW-33D), and the variations consistently indicated that the wells were shallower than anticipated, specific actions may not be necessary at this time.

Wells Not in the Proposed Monitoring Program

- Add cap and locking mechanism to well INJ-4
- Fill in animal hole adjacent to well INJ-5
- Evaluate INJ wells with obstruction/depth discrepancies as necessary

Please contact Robert Langdon at (608) 216-7329 if you have any questions concerning this report.

Sincerely,

Robert E Angl-

Robert Langdon Senior Project Manager SCS ENGINEERS

REL/lmh/MP

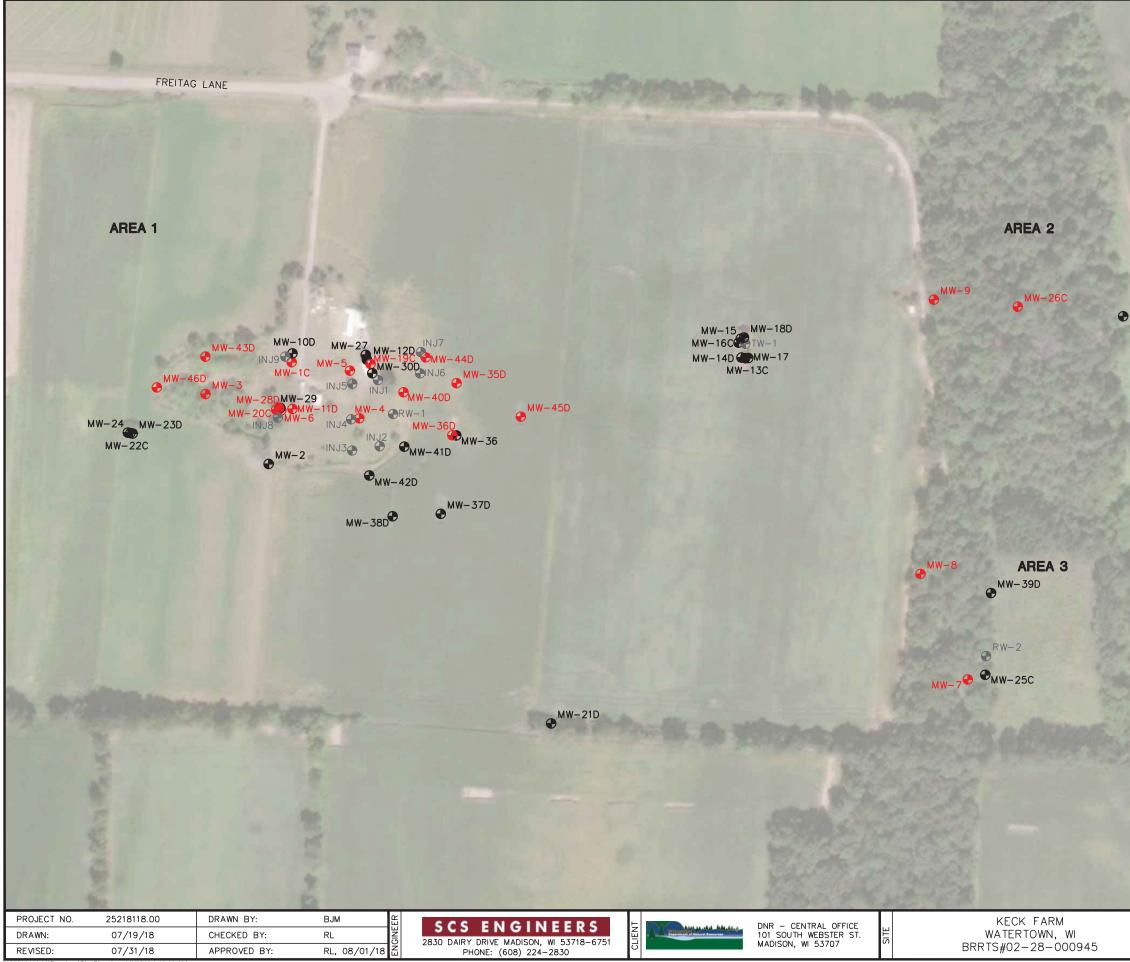
Mike Prattke Senior Project Manager SCS ENGINEERS

Attachments: Table 1 – Keck Farm Monitoring Well Tasks Figure 1 – Site Plan Attachment A – Well Condition Summary Forms and Photos Attachment B – Survey Information

I:\25218118.00\Deliverables\Monitoring Well Inventory Summary\180808_Lowrey_Monitoring Well Inventory Summary_Final.docx

MW-1C	Inventory G	х	development and VOC Sampling x
MW-2			X
MW-3	X	X	
	X	X	X
MW-4	х	х	Х
MW-5	Х	х	Х
MW-6	Х	x	Х
MW-7	х	х	х
MW-8	х	х	х
MW-9	х	х	х
MW-10D	х	х	
MW-11D	х	х	х
MW-12D	х	х	
MW-13C	х	х	
MW-14D	х	х	
MW-15	х	х	
MW-16C	х	х	
MW-17	х	х	
MW-18D	х	х	
MW-19C	x	x	х
MW-20C	x	x	x
MW-20C	x	x	A
MW-22C	x	x	
MW-23D	x	x	
MW-24			
MW-25C	X	X	
	X	X	
MW-26C	х	х	Х
MW-27	х	x	
MW-28D	Х	x	X
MW-29	Х	x	
MW-30D	Х	х	
MW-31D	I	monitoring well I	MW-31D abandoned
MW-32D	х	х	
MW-33D	х	х	
MW-34D	х	х	
MW-35D	х	х	х
MW-36	х	х	
MW-36D	х	х	х
MW-37D	х	х	
MW-38D	х	х	
MW-39D	х	х	
MW-40D	х	x	х
MW-41D	x	x	
MW-42D	x	x	
MW-43D	x	x	х
MW-44D	x	x	x
MW-45D	x	x	×
MW-46D	x	x	× ×
TW-1		^	^
RW-1	X		
RW-1 RW-2	X		
	X		
NJ-1	X		
NJ-2	х		
NJ-3	х		
INJ-4	х		
INJ-5	х		
INJ-6	х		
INJ-7	х		
INJ-8	х		
INJ-9	х		
Potable Well P	W-16, N8957 West Rd.		х

Table 1 - Keck Farm Monitoring Well Tasks



I:\25218118.00\Drawings\Site Plan.dwg, 8/1/2018 9:05:03 AM

	LEGEND
	INVENTORY ONLY MONITORING WELL
	GROUNDWATER ELEVATION MONITORING WELL
30-0-10	REDEVELOPMENT AND VOC SAMPLING MONITORING WELL
1 1	
1. 11	
NN 70D	
IW-32D	
1072535	NOTES
11.00	1. BASE PHOTO FROM WORLD IMAGERY MAP IN ARCMAP 10.4, SOURCES: ESRI,
	DIGITALGLOBE, GEOEYE, I-CUBED, USDA, USGS, AEX, GETMAPPING, AEROGRID, IGN, IGP, SWISSTOPO, AND THE GIS USER
	COMMUNITY. 2. WELL LOCATIONS AND ELEVATIONS
	SURVEYED BY BURSE SURVEYING AND ENGINEERING, INC. IN JULY 2018.
	 WELLS SHOWN ARE THOSE INCLUDED IN THE JULY 2018 INVENTORY.
	 PRIVATE WATER SUPPLY WELL IS LOCATED AT N8957 WEST ROAD, APPROXIMATELY 0.6 MILES NORTHWEST OF THE SITE.
• ^{MW-33D}	
	Ν
5	
€ ^{MW-34D}	
13112	SCALE: 1" = 200'

SITE PLAN

FIGURE 1

ATTACHMENT A

Well Condition Summary Forms and Photos

Facility:	Keck Far.	m	We
Evaluator: _	Charlie T	Bills	Eva

Well/Piezometer N	ame:	MW-	1C
Evaluation Date:	7-	-10-18	?

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	V	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
□ flush with surface?			
🕅 above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?	1	X	
Does the area around the well appear clean?	×		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?		1	x
Is the well free from standing or ponded water?	×	1	
Is the well locked to prevent unauthorized access?	×	1	
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		×	1
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X	-	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	×		

COMMENTS: _

Well/Piezometer Name: MW-IC	
Well Type: Stainless Steel	Diameter: 2 inch
Notes:	
Protective Casing Type: Steel	Diameter: 4 inch
Notes:	
Depth to Liquid: 49.35	
Total Depth: <u>112</u> , 2 Expected Well Depth*: _	112.0
Purge Volume (Gal): 1x: 4x:4	
Dedicated sampling equipment: N Type	/Diameter: 14 tubing

Photo:



Facility: <u>/</u>	ech Farm	Well/Piezometer Name	MW-2
Evaluator:	Charlie Bills	Evaluation Date: 7	-11-18

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is the riser cap vented? × is the annular space free of animal/insect nests? × is the annular space appropriately filled with filtering material? × if a pump, can it be lifted a few inches? (do not test prior to sampling) >	Is there a survey mark on the riser/wellhead assembly cap?		×	
s the annular space appropriately filled with filtering material?	Is the riser cap vented?		1	×
s the annular space appropriately filled with filtering material?	Is the annular space free of animal/insect nests?	X		
f a pump, can it be lifted a few inches? (do not test prior to sampling)	Is the annular space appropriately filled with filtering material?			
	If a pump, can it be lifted a few inches? (do not test prior to sampling)		1	X
Sine wennee or kniks of bends:	is the well free of kinks or bends?	X	-	

COMMENTS: _

Well/Piezometer Name: $M\omega - 2$	5 M
Well Type: Stainless Steel	Diameter: 2 in ch
Notes:	
Protective Casing Type: <u>Steel</u>	Diameter:
Notes:	
Depth to Liquid: <u>39.11</u>	
Total Depth: <u>69.00</u> Expected Well Depth*	67.5
Purge Volume (Gal): 1x: <u>5</u> 4x: <u>20</u>	_ 10x: _ 50
Dedicated sampling equipment: Y (N) Ty	pe / Diameter:

Photo:



Facility:	Kech	Farm	Wel
		Pur	Eval

Well/Piezometer Name: MW-3Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			x
Is the well:			
□ flush with surface?			
🕅 above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	×		
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?	×		
Is the casing secure (attempt to move along two perpendicular axes)?	x	1	-
Is the surface seal void of differential erosion around and under the base?		1	X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			.X
Is the well free from standing or ponded water?	x		1
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	x	1	
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		114	X
Is the annular space free of animal/insect nests?		x	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		1
Is the well free of kinks or bends?	X		1

COMMENTS: ____

October 16, 2003

Well/Piezometer Name: $M\omega$ -3	2 N
Well Type: Stainless Stere	Diameter: 2inch
Notes:	
Protective Casing Type: <u>Ster</u>	Diameter: 4. mch
Notes:	
Depth to Liquid: 19.96	
Total Depth: <u>42</u> 10 Expected Well Depth*:	41.8
Purge Volume (Gal): 1x: 4x: 6	10x: 40
Dedicated sampling equipment: (Y) N Type	e/Diameter: WW

Photo:



Facility: Keck Farm	Well/Piezometer Name: MW-4
Evaluator: Charlie Bills	Evaluation Date: 7 - 11 - 18

		1	T
	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		1
Is the well adequately flagged if hard to find?			X
Is the well elevation information inscribed at or on the well correct?	M		X
Is the well:			1
□ flush with surface?			
Ø above ground?			
Is the well free of physical damage?	X		1
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?			1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			V
Is the surface seal sloped to prevent ponding around the well?		1	X
Is the well free from standing or ponded water?	X	1	1
Is the well locked to prevent unauthorized access?		1	-
Is the protective casing cap void of large gaps which would breach security?	X X	-	
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		A	×
Is the annular space free of animal/insect nests?		~	n
Is the annular space appropriately filled with filtering material?	V	X	
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		11
Is the well free of kinks or bends?	V		X
s the well not of Kinks of Dends:	X		

COMMENTS: ____

October 16, 2003

Well/Piezometer Name: $MW - 4$	2.00
Well Type: Stainless Steel	Diameter:
Notes:	
Protective Casing Type:	Diameter: <u><i>Cinch</i></u>
Notes: Needs locked of	n 8/2/2018
Depth to Liquid: 33,09	
Total Depth: <u>67.5</u> Expected Well D	epth*: 67,2
Purge Volume (Gal): 1x: 6 4x: 2	-1 10x:
Purge Volume (Gal): $1x: 4x: 2^{\circ}$ Dedicated sampling equipment: Y	Type / Diameter: <u>19 +46ing</u>

Photo:



Facility: Keck Farm	Well/Piez
Evaluator: Charlie Bills	Evaluatio

zometer Name: <u>MW-5</u> on Date: 7/11/18

	Territoria and an and an and an and an and an and an		and the second se
	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		1
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			1
\Box flush with surface?			
above ground?			
is the well free of physical damage?	×		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?		1	X
Is the well free from standing or ponded water?	X		
is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	1
is the locking cap free of rust?		X	-
s there a survey mark on the riser/wellhead assembly cap?		X	
s the riser cap vented?		12.5	X
s the annular space free of animal/insect nests?	X		
s the annular space appropriately filled with filtering material?	X		
f a pump, can it be lifted a few inches? (do not test prior to sampling)			X
s the well free of kinks or bends?	X		
	15 X	1	1

COMMENTS:

Well/Piezometer Name: $MW - 5$	
Well Type: Stainless Steel	Diameter: 211
Notes:	
Protective Casing Type:	Diameter:
Notes:	
*	
Depth to Liquid: 34,09	
Total Depth: <u>62,1</u> Expected Well Depth*: <u>6</u>	1.8
Purge Volume (Gal): $1x: 5$ $4x: 20$ 10.	x: <u>50</u>
Dedicated sampling equipment: Y N Type / I	Diameter:

Photo:



Facility:	Keck Far	m
Evaluator:	Charle	Bills

Well/Piezometer Name: $M \omega - \omega$ Evaluation Date: 7 - 11 - 18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
A above ground?			
Is the well free of physical damage?	×		1
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	×		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	×		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		×	
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?		~	x
Is the annular space free of animal/insect nests?	×		-
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	×		-
Is the well free of kinks or bends?	X		
	1		

COMMENTS:

October 16, 2003

Well/Piezometer Name: $MW - 6$	
Well Type: Stainless Steel	Diameter: 2 in Ch
Notes:	•
Protective Casing Type: the Steel	Diameter: <u>4 inch</u>
Notes:	
Depth to Liquid: <u>41.97</u>	
Total Depth: <u>(5,40</u> Expected Well Depth*:	66.8
Purge Volume (Gal): 1x: 4x: 14	10x:O
	e/Diameter: Well Wizard Jeeds air fitting
	J

Photo:



Facility:	Keck Fa	rm	Well/Piezometer N	ame: MW	1-7
Evaluator: _	Charlie	B.115	Evaluation Date:	7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			1
□ flush with surface?			
Ø above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		×	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	X		1
is the well locked to prevent unauthorized access?	X		
s the protective casing cap void of large gaps which would breach security?	X		
is the locking cap free of rust?		x	1
s there a survey mark on the riser/wellhead assembly cap?		X	
s the riser cap vented?			×
s the annular space free of animal/insect nests?	×		-1
s the annular space appropriately filled with filtering material?	×		
f a pump, can it be lifted a few inches? (do not test prior to sampling)	~		×
s the well free of kinks or bends?		1	1

COMMENTS: ____

7

ĩ

Well/Piezometer Name: $M\omega - 7$	
Well Type: <u>Stainless</u> steel	Diameter: 2 inch
Notes:	
Protective Casing Type: Steel	Diameter: 4 inch
Notes:	
Depth to Liquid: 39.38	
Total Depth: <u>57.7</u> Expected Well Dept	th*: 56.8
Purge Volume (Gal): 1x: <u>3</u> 4x: <u>12</u>	10x: <u>30</u>
Dedicated sampling equipment: Y N	Type / Diameter:

Photo:



Facility:	Kech Farm	Well/Piezometer Name:M W - 8
Evaluator:	Charlie Bills	Evaluation Date: 7-11-18

	V	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			İ
□ flush with surface?			1
D above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	×		14
Is the surface seal void of differential erosion around and under the base?		1	X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	×	1	
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	×	1	
Is the locking cap free of rust?		×	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?		×	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X	1	
		1	1

COMMENTS:

Well/Piezometer Name: $MW-8$	The Page	
Well Type: Stainless steel	Diameter: 2in	
Notes:		4 1
Protective Casing Type: Stee	Diameter: <u> </u>	
Notes:		
Depth to Liquid: 60.42		·
Total Depth: 72, 2 Expected Well	Depth*: 71.7	
Purge Volume (Gal): 1x: 4x:	8 10x: 20	
Dedicated sampling equipment: Y (N)	Type / Diameter:	

Photo:



Facility: Keck farm	Well/Piezometer Name:MW-9
Evaluator: Charlie Bills	Evaluation Date: 7-11-18

	V	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			1
□ flush with surface?			
😡 above ground?			
Is the well free of physical damage?	x		
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	×		
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X	1	
Is the surface seal void of differential erosion around and under the base?	123		X
Is the surface seal free of cracks that might affect the integrity of the seal?			Y
Is the surface seal sloped to prevent ponding around the well?		1	×
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	×		1
Is the protective casing cap void of large gaps which would breach security?	X	1	1
Is the locking cap free of rust?		×	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	×		
		1	

COMMENTS: _

October 16, 2003

Well/Piezometer Name: $MW - q$	1 4 m
Well Type: Stanless Steel	Diameter: 2 inch
Notes:	
Protective Casing Type: <u>Star</u>	Diameter: <u>Uinch</u>
Notes: Prove Total Depth Regests	B. Checked again on
Well Type: <u>Stainless</u> Steef Diameter: <u>Zinch</u> Notes:	
Total Depth: <u>89.7</u> Expected Well Depth*:	8 le. 8
Dedicated sampling equipment: N Typ	pe/Diameter: 14 fubing

Photo:



Facility: Kech farm		Well/Piezometer N	ame: Mh	MW-10D	
Evaluator:	Charle	Bills	Evaluation Date:	7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			1
\Box flush with surface?			-
🔀 above ground?			
Is the well free of physical damage?	x		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		×	1
Does the area around the well appear clean?	×		1
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			x
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		1
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		X	1
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?			
If a pump, can it be lifted a few inches? (do not test prior to sampling)		1	×
Is the well free of kinks or bends?	×		
Is the surface seal sloped to prevent ponding around the well? Is the well free from standing or ponded water? Is the well locked to prevent unauthorized access? Is the protective casing cap void of large gaps which would breach security? Is the locking cap free of rust? Is the locking cap free of rust? Is there a survey mark on the riser/wellhead assembly cap? Is the riser cap vented? Is the annular space free of animal/insect nests? Is the annular space appropriately filled with filtering material? If a pump, can it be lifted a few inches? (do not test prior to sampling)	×	x x x	X

COMMENTS: ____

Well/Piezometer Name: $M\omega - 10D$	2 h
Well Type: Stain less Steel	Diameter: 2 inch
Notes:	
Protective Casing Type:	Diameter: Uinch
Notes:	
	9
Depth to Liquid: <u>49.52</u>	
Total Depth: <u>143.7</u> Expected Well Depth*:	143.2
Purge Volume (Gal): 1x: 16 4x: 64	10x: 160
Dedicated sampling equipment: Y N Typ	be / Diameter:

Photo:



Facility:	Keck Farm	Well/Piezometer Name: MW-11D	
Evaluator:	Charlie B.115	Evaluation Date: 7-11-18	

IY	N	N/A
X		
X		
	1	×
		1
X		
	X	1
×		
X		1
	X	1
X		
X		
		X
		X
	1	×
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		X X <td< td=""></td<>

COMMENTS: ____

October 16, 2003

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47.43

Well/Piezometer Name: $M \omega - 11D$	31 1
Well Type: Steel Stainless	Diameter: 2 inch
Notes:	
Protective Casing Type:	Diameter: <u>Yinch</u>
Notes:	
Depth to Liquid: <u>47.43</u>	
Total Depth: 140,4 Expected Well Depth*:	142.1
Purge Volume (Gal): 1x: 16 4x: 64	
Dedicated sampling equipment: (Y) N Type	/Diameter: 14 inch

Photo:



Facility:	Keck Farm	We
Evaluator:	Charlie Bills.	Eva

II/Piezometer Name: MW-12D aluation Date: 7/11/18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			1
\Box flush with surface?			
D above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?			
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		x	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		X	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?		X	

COMMENTS:

October 16, 2003

Well/Piezometer Name: $MW - 12D$
Well Type: Stainless Steel Diameter: 2m
Notes: Blocked at 20.4 feet, unable to
get well tape past
Protective Casing Type: Steel Diameter: <u>4.12</u>
Notes: Unable to put on cover, Needs 1004
Depth to Liquid:
Total Depth: Expected Well Depth*: 142.0
Purge Volume (Gal): 1x: 4x: 10x:
Dedicated sampling equipment: Y N Type / Diameter:

Photo:



Facility:	Kech Farm	<u> </u>	_
Evaluator:	Charle	Bills	-

Well/Piezometer 1	Vame:	MW-	13C
Evaluation Date:	7-	11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			x
Is the well:			1
□ flush with surface?			
A above ground?			
Is the well free of physical damage?		X	
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X	1	1
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?		1	×
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?		x	
Is the protective casing cap void of large gaps which would breach security?		X	
Is the locking cap free of rust?		X	1
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		X	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)		1.00	X
Is the well free of kinks or bends?		X	

COMMENTS: well was shot, Kinked 2 feet below top of well.

Well/Piezometer Name: $MW - 13C$	
	Diameter: 21nch
Notes: pinched two feet	from top.
Cap was shot	
Protective Casing Type: Steel	Diameter: 4/1nch
Notes: casing capicas short	+, casing is bent
in where bullet h.f	
Depth to Liquid:	
Total Depth: Expected Well Depth*	138,3
Purge Volume (Gal): 1x: 4x:	_ 10x:
Dedicated sampling equipment: Y N Ty	pe / Diameter:

Photo:



Facility: Keck Farm		n	Well/Piezometer Name: MW-14D			
Evaluator: _	Charle.	Bills	Evaluation Date: 7-11-18	-		

. .

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?		-	X
Is the well:			
□ flush with surface?			
X above ground?			
Is the well free of physical damage?	×		-
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?	\$	X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	x		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface scal free of cracks that might affect the integrity of the seal?			x
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	x		
Is the locking cap free of rust?		×	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	×		1
If a pump, can it be lifted a few inches? (do not test prior to sampling)	×		
Is the well free of kinks or bends?	X		

COMMENTS: _

October 16, 2003

Well/Piezometer Name: <u>MW-14D</u>	A Ca		
Well Type: <u>Steel</u>	Diameter:	Zin	
Notes:			
Protective Casing Type: <u>Steel</u>	Diameter:	4.nch	
Notes:	+		
Depth to Liquid: <u>64.20</u>			
Total Depth: 175.0 Expected Well Depth*			
Purge Volume (Gal): 1x: <u>19</u> 4x: <u>76</u>		-	
Dedicated sampling equipment: N Ty	pe / Diameter:	NW	

Photo:



Facility:	Keck Farm
Evaluator: _	Charlie Bills

Well/Piezometer Name:	MW-1	15
Evaluation Date: 7	-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
□ flush with surface?			
B above ground?			
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			V
Is the surface seal sloped to prevent ponding around the well?		1	X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	×		1
Is the protective casing cap void of large gaps which would breach security?	×		
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		K	X
Is the annular space free of animal/insect nests?	X	-	
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			V
Is the well free of kinks or bends?	X		1

COMMENTS: _

Well/Piezometer Name: $M\omega - 15$	
Well Type: Barman Steel	Diameter: 211
Notes:	
Protective Casing Type:	Diameter: 1/10
Notes: <u>Gapher hole nex</u> .	t to it
Depth to Liquid: 56,56	
Total Depth: 79.1 Expected Well Depth	1*: 78.1
Purge Volume (Gal): 1x: 4 4x: 16	10x:
Dedicated sampling equipment: Y	Гуре / Diameter:

Photo:



Facility: Keck Farm	Well/Piezometer Name: <u>MW-16C</u>
Evaluator: Charle Bills	Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		1
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			1
\Box flush with surface?			
above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		x	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		X	1
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	×		1
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		
	1 1 1		1

COMMENTS: _

Well/Piezometer Name: $M \omega - 16 C$	
Well Type: <u>Briston 1985</u> , Steel Diameter: <u>2 inch</u>	
Notes:	
Protective Casing Type: <u>Steel</u> Diameter: <u>Uinch</u>	Ŧ
Notes:	
3 · · ·	
Depth to Liquid: <u>64.12</u>	
Total Depth: 140.3 Expected Well Depth*: 139.6	
Purge Volume (Gal): $1x: 13 4x: 52 10x: 130$	
Dedicated sampling equipment: Y N Type / Diameter:	-

Photo:



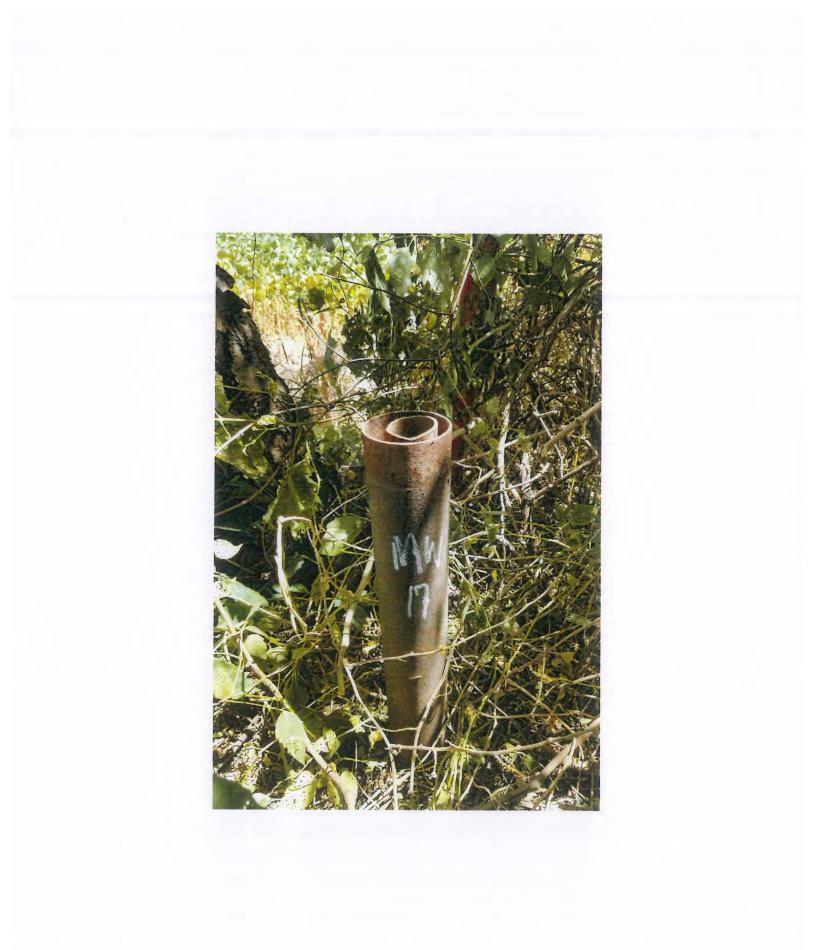
Facility: Keck Farm	Well/Piezometer Name: MW-17
Evaluator: Charlie Bills	Evaluation Date: 7/11/18

Y	N	N/A
X		
X		
10		X
X		
	X	1
X		1
X		1
		1
Y		
X		1
		X
		X
		X
X		
X		
	X	
	14	X
		- C
X		
		X
X	1	1
	X X X X X X X X X X X X X X X X X X X	

COMMENTS:

Well/Piezometer Name: $M\omega - l7$	a th
Well Type: Strand Wass Steel	Diameter: 2 inch
Notes:	
Protective Casing Type: <u>Strel</u> Notes: <u>630400000000000000000000000000000000000</u>	Diameter: 2 inch
	Tatat II
Depth to Liquid: <u>SUNSA</u> 57,23	+7 Q U
Total Depth: 79, 20, Expected Well Depth*	··· /0.1
Purge Volume (Gal): 1x: <u>3.9</u> 4x: <u>15.6</u>	
Dedicated sampling equipment: Y (N) Ty	ype / Diameter:

Photo:



Facility:	Keck Fa	arm	Well/Piezometer N	Name: MW	-180
Evaluator:	Charlie	Bills	_ Evaluation Date: _	7-11-18	

	V	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			-
\Box flush with surface?			
☑ above ground?			
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	1
is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X	1	1
Do above ground wells have weep holes at the base of the protective casing?		×	1
Does the area around the well appear clean?	X	1	1
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?			x
Is the surface seal free of cracks that might affect the integrity of the seal?			X
is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	X		
is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		1
Is the locking cap free of rust?		X	
is there a survey mark on the riser/wellhead assembly cap?		X	
is the riser cap vented?			X
s the annular space free of animal/insect nests?	X		
s the annular space appropriately filled with filtering material?	X		
f a pump, can it be lifted a few inches? (do not test prior to sampling)			X
s the well free of kinks or bends?	X		
		1	1

COMMENTS:

October 16, 2003

Well/Piezometer Name: $M\omega - 180$	17
Well Type:	Diameter: Zinch
Notes:	
Protective Casing Type: <u>Steel</u>	Diameter: 4 inch
Notes:	
	4
Depth to Liquid: <u>64,29</u> Total Depth: <u>178,8</u> Expected Well Depth*:	176.2
Purge Volume (Gal): $1x: 20 4x: 80$	
	pe / Diameter:

Photo:



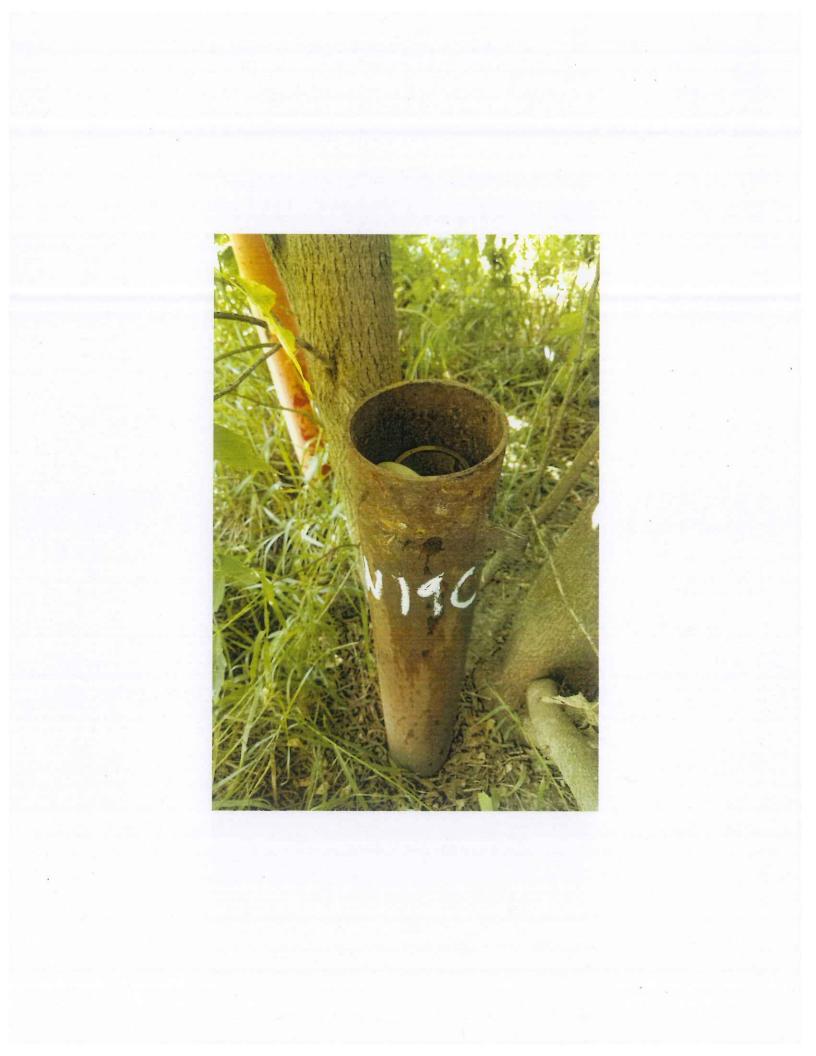
Facility:	Keck Farm	Well/Piezometer Name: MW-19C
Evaluator:	Charle Bills	Evaluation Date: 7 -11-18

	and the second second		
	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?		T	×
Is the well:			
□ flush with surface?			
A above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	×		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?		1	X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X	1	
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	-	
Is the locking cap free of rust?		x	
Is there a survey mark on the riser/wellhead assembly cap?		x	
is the riser cap vented?			X
Is the annular space free of animal/insect nests?		X	
s the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
is the well free of kinks or bends?	X		1-
		1	

COMMENTS:

Well/Piezometer Name: <u>MW-19C</u> Well Type: <u>Sfee</u>	Diameter: 2:4
Notes:	
Protective Casing Type: <u>Steel</u>	
Notes: Total depth remeasured	+ confirmed on 7-12-18
Depth to Liquid: 41,02	
Total Depth: <u>108.9</u> Expected Well Depth*: _	114.3
Purge Volume (Gal): $1x: 12 4x: 48$ Dedicated sampling equipment: ON Type	10x: 120
Dedicated sampling equipment: N Type	Diameter: 19 74 bing

Photo:



Facility: Keck Farm	Well/Piezometer Name: MW-20C
Evaluator: Charlie Bills	Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
flush with surface?			
above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?		1	X
Is the surface seal sloped to prevent ponding around the well?			x
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	×	1	1
Is the locking cap free of rust?		x	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		1
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	1		X
Is the well free of kinks or bends?	X		1

COMMENTS: ____

Well/Piezometer Name: $M\omega - 20C$	2 the	
Well Type: MANANDE Steel	Diameter: 2 incr	1
Notes:		
Protective Casing Type: <u>Steel</u>	Diameter: 4 inch	
Notes:		
Depth to Liquid: <u>48,62</u>		
Total Depth: <u>114.9</u> Expected Well Depth*:	115,5	
Purge Volume (Gal): 1x: 4x:44	10x: <u>110</u>	
Dedicated sampling equipment: Y 🔊 Typ	e / Diameter:	

Photo:



Facility:	Keck Far	m	Well/Piezometer Name: $M\omega - 2$
Evaluator: _	Charle	B.115	Evaluation Date:7 -11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		1
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
□ flush with surface?			
Above ground?			-
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?		1	×
Is the well free from standing or ponded water?	X	1	
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	1
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		x	1
Is the annular space appropriately filled with filtering material?	X	~	
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		1
		1	1

COMMENTS:

D

Well/Piezometer Name: $M\omega - 21D$	
Well Type: Steel	Diameter: 2inch
Notes:	
Protective Casing Type:	Diameter: <u> </u>
Notes:	
	4
Depth to Liquid: 43,28	
Total Depth: <u>124, 4</u> Expected Well Depth*:	127.0
Purge Volume (Gal): 1x: $\frac{14}{4x}$ 4x: 56	10x: <u>140</u>
Dedicated sampling equipment: Y N Typ	e / Diameter:

Photo:



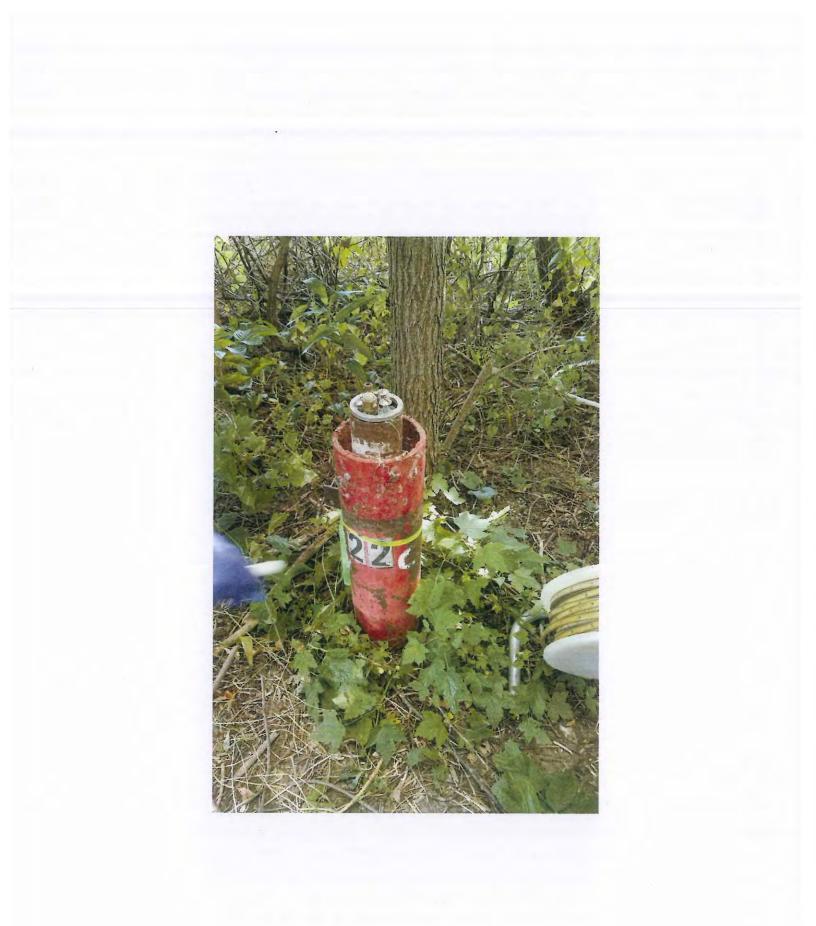
Facility:	Keck Farm	Well/Piezometer Name: Mw - 22C
Evaluator:	Charlie Bills	Evaluation Date: 7-11-18

8	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
□ flush with surface?			
above ground?			
is the well free of physical damage?			
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		×	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	×		1
Is the surface seal void of differential erosion around and under the base?			×
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?			
Is the well locked to prevent unauthorized access?	X		1
Is the protective casing cap void of large gaps which would breach security?	X		
is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?		×	
Is the annular space appropriately filled with filtering material?	X	1	
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		-
Is the well free of kinks or bends?	X		
		1	-

COMMENTS: ____

Well/Piezometer Name: $MW - 22C$	1.1	
Well Type: Steel	Diameter: 2 in	
Notes:		-
Protective Casing Type: <u>Steel</u>	Diameter: <u> </u>	-
Notes:		-
	-	-
Depth to Liquid: 14.65		
Total Depth: <u>84.0</u> Expected Well Depth*	. 88.5	
Purge Volume (Gal): 1x: 12 4x: 48	_ 10x: _120	
Dedicated sampling equipment: \widehat{Y} N Ty	ype / Diameter: <u>WW</u>	

Photo:



Facility: Keck Farm		Well/Piezometer N	Well/Piezometer Name: Mw-23D		
Evaluator:	Charl.c	Bills	Evaluation Date:	7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
\Box flush with surface?			
📈 above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		x	1
Does the area around the well appear clean?		×	1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		*
Is the surface seal free of cracks that might affect the integrity of the seal?	+	X	2
Is the surface seal sloped to prevent ponding around the well?		×	1
Is the well free from standing or ponded water?	x		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		X	1
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X		

COMMENTS: ____

October 16, 2003

7

Vell/Piezometer Name: $MW - 23D$
Vell Type: Steel Diameter: 210
lotes:
rotective Casing Type: <u>Steel</u> Diameter: <u>UC:A</u> Com
lotes:
· · · · · · · · · · · · · · · · · · ·
Depth to Liquid:
Total Depth: 126.8
urge Volume (Gal): $1x: \frac{20}{4x: 80} = 10x: \frac{200}{10x: 200}$
Dedicated sampling equipment: Y N Type / Diameter:

Photo:



Facility: Keck Farm	Well/Piezometer Name:	MW - 24
Evaluator: Charlie Bills	Evaluation Date:	7-11-18

· · · · · · · · · · · · · · · · · · ·	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	x		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
□ flush with surface?			
🖈 above ground?			
Is the well free of physical damage?	×	1	1
Is the well labeled on the inside?		x	1
Is the well labeled on the outside?	X	1	
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?	1	X	1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?		1	X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		X	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		
		4	1

COMMENTS: ____

-

Well/Piezometer Name: $M \omega - 24$	
Well Type: <u>Steel</u>	Diameter: 2 in
Notes:	
Protective Casing Type: <u>Stee</u>	Diameter: <u> </u>
Notes:	
6.00	
Depth to Liquid: 6.58	
Total Depth: <u>33,4</u> Expected Well Dep	th*: 32,4
Purge Volume (Gal): 1x: <u>5</u> 4x: <u>20</u>	10x: <u>50</u>
Dedicated sampling equipment: Y N	Type / Diameter:

Photo:



Facility:	Kech Far	m	Well/Piezometer Nar
Evaluator:	Charle	Bills	Evaluation Date:

Well/Piezometer Name	MW-25C	
1	-11-18	

T

٦

-	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the weil:			
□ flush with surface?			
🕅 above ground?			
is the well free of physical damage?	X		
is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	×		
Is the casing secure (attempt to move along two perpendicular axes)?	X		T
Is the surface seal void of differential erosion around and under the base?			x
Is the surface seal free of cracks that might affect the integrity of the seal?			X
is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	X		
is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	X		
is the locking cap free of rust?		X	1
is there a survey mark on the riser/wellhead assembly cap?		X	
s the riser cap vented?			X
s the annular space free of animal/insect nests?		X	1
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			x
Is the well free of kinks or bends?	X		1
		1	1

COMMENTS: _____

October 16, 2003

Well/Piezometer Name: $MW - 25C$	
Well Type: Stanless Steel	Diameter: 210
Notes:	
Protective Casing Type:	Diameter: <u>4in</u>
Notes: Remeasured and	Confirmed total Depth on 8/1/18
Depth to Liquid: 34,22	12
Total Depth: <u>(0,0</u> Expected Well I	
Purge Volume (Gal): $1x: 3 4x: 5$ Dedicated sampling equipment: N	2 10x: 130
Dedicated sampling equipment: () N	Type / Diameter:

Photo:



Facility:	Kech Fa	m	Well/Piezometer N	lame: MW	-26C
Evaluator: _	Charle	Bills	_ Evaluation Date: _	7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			1
\Box flush with surface?			
🕅 above ground?		Constrained in the local division of the loc	
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		x	
Does the area around the well appear clean?	×		
Is the casing secure (attempt to move along two perpendicular axes)?	X	1.	
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?		1	×
is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	×		
is the well locked to prevent unauthorized access?	X		
s the protective casing cap void of large gaps which would breach security?	×		1
s the locking cap free of rust?		X	
s there a survey mark on the riser/wellhead assembly cap?		X	
s the riser cap vented?			×
s the annular space free of animal/insect nests?		×	
s the annular space appropriately filled with filtering material?	×		
f a pump, can it be lifted a few inches? (do not test prior to sampling)			X
s the well free of kinks or bends?	X		1

COMMENTS: _

Well/Piezometer Name: <u>MW-26C</u> Well Type: <u>Steel</u>	Diameter: Zih
Notes:	
Protective Casing Type:	Diameter:
Notes:	
Depth to Liquid: 29.16	
Total Depth: <u>124, 2</u> Expected Well Depth*:	
Purge Volume (Gal): $1x: 16 4x: 64$ Dedicated sampling equipment: N Type	_ 10x:
Dedicated sampling equipment: Y N Typ	pe/Diameter: 19 745mg

Photo:



Facility:	Kech Far	m	Well/Piezometer Na	ame:	MW-27
Evaluator:	Charlie	Bills	Evaluation Date:		

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:		1	1
□ flush with surface?			
X above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?			
Does the area around the well appear clean?	X	1	1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?		-	X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?		1	X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	1
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			x
Is the annular space free of animal/insect nests?		X	
Is the annular space appropriately filled with filtering material?	X	1	
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		-
Is the well free of kinks or bends?	X	1	

COMMENTS: ____

October 16, 2003

Well/Piezometer Name: $MW - 27$	
Well Type: Steel	Diameter: Zin
Notes:	
and the second sec	
Protective Casing Type: <u>Steel</u>	Diameter: <u>4</u> in
Notes:	
	9)
Depth to Liquid: 41.05	
Total Depth: <u>85.7</u> Expected Well Depth	*: 92.0
Purge Volume (Gal): 1x: <u>8</u> 4x: <u>32</u>	10x: 80
Dedicated sampling equipment: Y N T	ype / Diameter: WW

Photo:



Facility: <u>Keck Farm</u> Well/Piezometer Name: <u>MW-280</u> Evaluator: <u>Charlie Bills</u> Evaluation Date: <u>7-11-18</u>

	F	3	5
	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X	1	
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			1
\Box flush with surface?			
Above ground?			
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			V
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		1
is the well locked to prevent unauthorized access?	X		+
is the protective casing cap void of large gaps which would breach security?	X		
is the locking cap free of rust?		X	1
s there a survey mark on the riser/wellhead assembly cap?		X	
s the riser cap vented?		~	X
s the annular space free of animal/insect nests?	X		
s the annular space appropriately filled with filtering material?	X		1
f a pump, can it be lifted a few inches? (do not test prior to sampling)			X
s the well free of kinks or bends?	X		~
	A		1

.

COMMENTS:

Well/Piezometer Name: $MW - 28D$	7.04
Well Type:	Diameter: 2inch
Notes:	A
	3 H
Protective Casing Type: Steel	Diameter: 6-inch
Notes:	
Depth to Liquid: <u>49.54</u>	
Total Depth: <u>195.</u> 5 Expected Well Depth*: _	195.6
Purge Volume (Gal): 1x: 25 4x: 100	
Dedicated sampling equipment: N Type	Diameter: 14 inch tubing

Photo:



Facility:	Kech Fa	rm	Well/Piezometer Name	MW-	-29
Evaluator:	Charlie	Bills	Evaluation Date: 7		

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
□ flush with surface?			
X above ground?			
is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X	1	
Do above ground wells have weep holes at the base of the protective casing?		x	
Does the area around the well appear clean?	×	1	
Is the casing secure (attempt to move along two perpendicular axes)?	X	1	
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		-
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		×	
ls there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		X	
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X	1	
Is the well free of kinks or bends?	X		

COMMENTS: _

Well/Piezometer Name: $M\omega - 29$	
Well Type: Strangents Stral	Diameter: 2 inch
Notes:	
Protective Casing Type: <u>Steel</u>	Diameter: Yinch
Notes:	
Depth to Liquid: 44,76	
Total Depth: <u>\$3,05</u> Expected Well Dep	pth*: 87.3
Purge Volume (Gal): 1x: 7 4x: 28	10x: 70
Dedicated sampling equipment: () N B. Bladder Pump	Type / Diameter:
Photo:	



Facility: Keck Farm Evaluator: Charle Bills

Well/Piezometer Name: MW-30D

Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
Diabove ground?			
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?	-	X	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	x		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?		-	×
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?		X	1
Is the protective casing cap void of large gaps which would breach security?			X
Is the locking cap free of rust?			X
Is there a survey mark on the riser/wellhead assembly cap?			X
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		x	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			x
Is the well free of kinks or bends?	X		

COMMENTS: ____

Well/Piezometer Name: $M\omega - 300$		
Well Type: Steel	Diameter: 2in	
Notes:		
Protective Casing Type: <u>Steel</u>	Diameter: 6.h	
Notes: No capor place to	o lock cap	
	4.	
Depth to Liquid: 45,78		
Total Depth: 200 Expected Well Dep 206.9 ($\delta ll l \delta$)		
Purge Volume (Gal): 1x: 4x:	10x:	
Dedicated sampling equipment: Y	Type / Diameter:	

Photo:



Facility: Keck Farm Well/Piezometer Name: MW-32D Evaluator: Charle Bills

Evaluation Date: 7-11-18

	V	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		-
Is the well elevation information inscribed at or on the well correct?			x
Is the well:			
\Box flush with surface?			
D above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		x	
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			x
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		1
is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	×	1	
If a pump, can it be lifted a few inches? (do not test prior to sampling)		-	X
Is the well free of kinks or bends?	X	1	-

COMMENTS:

Well/Piezometer Name: $M\omega - 32D$	1 S
Well Type: Stanger Mar Stere	Diameter: 21 n
Notes:	
Protective Casing Type:	Diameter: _ (inch
Notes:	
Depth to Liquid: <u>9.75</u>	
Total Depth: <u>1080</u> Expected Well Depth*: _	107.6
Purge Volume (Gal): $1x: 18 4x: 72$	10x: <u>180</u>
Dedicated sampling equipment: N Type	Diameter: 14 tubing

Photo:



Facility: Keck Farm Evaluator: Charlie Bilis

Well/Piezometer Name: MW-33D

Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
□ flush with surface?			
above ground?		And a second	
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	×		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?		X	
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	×		1
Is the locking cap free of rust?		X	-
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X	8	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		

COMMENTS: _

Well/Piezometer Name: $MW - 33D$	14
Well Type: Steel	Diameter: 217
Notes: Artisian well	
Protective Casing Type: Steel	Diameter: <u>4, n</u>
Notes: <u>Remeasured</u> + confirmed	1 total depth
Depth to Liquid:	
Total Depth: <u>61.0</u> Expected Well Depth*: <u>8</u>	7.0
Purge Volume (Gal): 1x: 10 4x: 40 102	
Dedicated sampling equipment: N Type / D	Diameter: 19 +45e

Photo:



Facility: Keck Farm Well/Piezometer Name: MW-340 Evaluator: Charlie Bills

Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
\square flush with surface?			
A above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X	1	1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?		X	
Is the well locked to prevent unauthorized access?	X	1	
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		X	
ls there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X	-	

COMMENTS: _

Well/Piezometer Name: $MW - 34D$	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Well Type: Steel	Diameter: 2 in
Notes:	
Protective Casing Type: <u>Steel</u>	Diameter: 2 in
Notes:	
Depth to Liquid: <u>4.42</u>	
	Qui a
Total Depth: <u>93.5</u> Expected Well Depth	*:
Purge Volume (Gal): 1x: <u>15</u> 4x: <u>40</u>	10x:50
Dedicated sampling equipment: N T	ype/Diameter: 14' +46ing

Photo:



Facility:	Keck	Farm	Well/Piezometer Nan	ne: MW-	35 D
Evaluator:	Charl:	e Bills	Evaluation Date:		

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
🖾 above ground?		And a second	
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?	15	×	1
Does the area around the well appear clean?	×		-
Is the casing secure (attempt to move along two perpendicular axes)?	×	1	1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface scal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	×	1	
Is the locking cap free of rust?		×	1.0
is there a survey mark on the riser/wellhead assembly cap?		×	
is the riser cap vented?			X
s the annular space free of animal/insect nests?	×		
s the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
is the well free of kinks or bends?	×		
		1.	1

COMMENTS:

Well/Piezometer Name: <u>MW-35D</u>	1
Well Type: PUC	Diameter: 2 in ch
Notes:	
Protective Casing Type: See	Diameter: <u>4</u> mch
Notes:	
Depth to Liquid: 30.45	
Total Depth: <u>(53,3</u> Expected Well Depth'	*: 151.5
Purge Volume (Gal): 1x: 2/ 4x: 84	10x: 210
Dedicated sampling equipment: Y N T	ype / Diameter:

Photo:



Facility:	Kech Farr	n	Well/Piezometer N	lame:	MW-36	
Evaluator:	Charle	Bills	Evaluation Date:	7-11-1	8	-

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	V	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?		-	×
Is the well:			
□ flush with surface?			
Above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		x	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	×		1
Do above ground wells have weep holes at the base of the protective casing?		x	
Does the area around the well appear clean?	×	1	
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	×		
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	×		
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X		1

COMMENTS: ____

October 16, 2003

Well/Piezometer Name: <u>MW-36</u> Well Type: <u>fUC</u>	Diameter: 2 moh	
Notes:		
Protective Casing Type: Stul	Diameter: <u>4</u> ,nch	
Notes:		
Depth to Liquid: 26,15		
Total Depth: <u>47,20</u> Expected We	Il Depth*: <u>47.4</u>	
Purge Volume (Gal): 1x: 4x:	16 10x: 40	
Dedicated sampling equipment: Y N	Type / Diameter:	

Photo:



Facility: Keck Farm Well/Piezometer Name: MW-360 Evaluator: Charles Bills Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
□ flush with surface?	-		-
above ground?			
Is the well free of physical damage?	×		1
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	×	1	
Is the casing secure (attempt to move along two perpendicular axes)?	×	1	
Is the surface seal void of differential erosion around and under the base?			×
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	X	+	
Is the well locked to prevent unauthorized access?	×		-
Is the protective casing cap void of large gaps which would breach security?	×		-
Is the locking cap free of rust?		×	-
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X		-

COMMENTS:

Well/Piezometer Name: $MW - 36D$	
Well Type: PUC	Diameter: 2 inch
Notes: JJ927 -> Unique will	пчтвег
Protective Casing Type: <u>Stee</u>	Diameter: 4.nuh
Notes:	
Depth to Liquid: <u>3932</u>	
Total Depth: <u>142.6</u> Expected Well Depth*:	142.1
Purge Volume (Gal): $1x: 18 4x: 72$ 10:	
Dedicated sampling equipment: N Type / I	Diameter: 14' fubing

Photo:



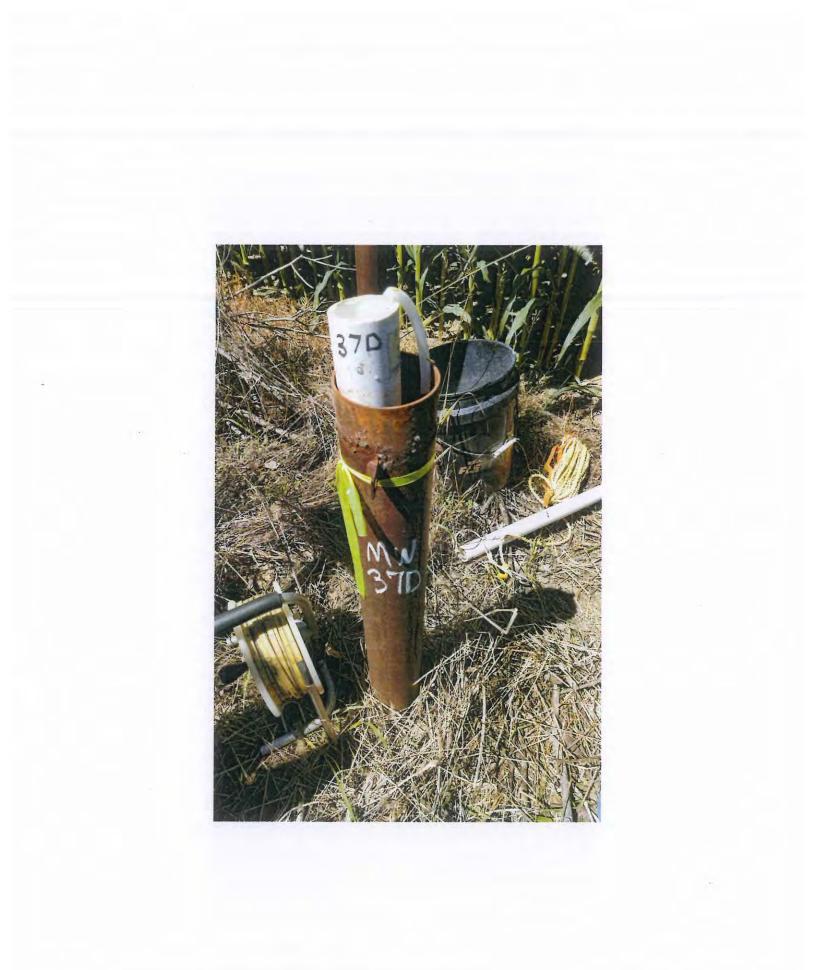
Facility: Keck Farm	Well/Piezometer Name: Mw-370	
Evaluator: Charlie Bills	Evaluation Date: 7-11-18	~

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			-
A above ground?			
is the well free of physical damage?	X	1	
Is the well labeled on the inside?	X	1	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?	×		
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?	*		x
Is the surface seal free of cracks that might affect the integrity of the seal?			x
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	×		
Is the well locked to prevent unauthorized access?	×		-
Is the protective casing cap void of large gaps which would breach security?	X		-
Is the locking cap free of rust?	*	X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X		

COMMENTS: ____

Well/Piezometer Name: $M\omega - 370$	
Well Type:	Diameter: 2 Inch
Notes: JJ928 DNR#	
Protective Casing Type: <u>Steel</u>	Diameter: 4 inc. 4
Notes:	
Depth to Liquid: 37.44	
Total Depth: <u>141,1</u> Expected Well Depth*:	142.4
Purge Volume (Gal): 1x: <u>18</u> 4x: <u>72</u>	
Dedicated sampling equipment: $\widehat{\mathbf{Y}}$ N Typ	e/Diameter: 14 tubing

Photo:



Facility:	Kech Farr	2	Well/Piezometer N	lame:	MW	-38D
Evaluator:	Charlie		Evaluation Date:			

	V	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
A above ground?		Advantation of the second s	
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		1
Is the well labeled on the outside?	x		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		1
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		x	1
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		X	x
Is the annular space free of animal/insect nests?	X		-1
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		

COMMENTS: ____

Well/Piezometer Name: <u>MW-38D</u> Well Type: <u>PVC</u>	Diameter: 2 inch
Notes:	
Protective Casing Type: Sterl	Diameter: 4-inch
Notes:	
Depth to Liquid: 38.18	
Total Depth: $\frac{144.8}{2}$ Expected Well D	epth*: 142.4
Purge Volume (Gal): 1x: [8 4x: 7	
Dedicated sampling equipment: Y N	Type / Diameter: 14 +46-ng
	

Photo:



Facility: Keck Farm Well/Piezometer Name: MW-39D Evaluator: Charlie Bills

Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:		1	
\Box flush with surface?			
Above ground?			
Is the well free of physical damage?	x		
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?		x	
Is the casing secure (attempt to move along two perpendicular axes)?	X		*
Is the surface seal void of differential erosion around and under the base?	*		X
Is the surface seal free of cracks that might affect the integrity of the seal?	1		X
Is the surface seal sloped to prevent ponding around the well?		1	×
Is the well free from standing or ponded water?	X		1
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	×		
Is the locking cap free of rust?		X	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	1		

COMMENTS: Barrel directly next to well

Well/Piezometer Name: MW-39D	
Well Type:	Diameter: 217
Notes:	
Protective Casing Type: <u>Stee</u>	Diameter: 4 in
Notes: Barrel directly nex	it to well
	4 ¹
Depth to Liquid: 33.55	
Total Depth: <u>/30,0</u> Expected Well Depth	*: 131.9
Purge Volume (Gal): 1x: 6 4 4x: 64	10x:
Dedicated sampling equipment: Y N	Sype / Diameter:

Photo:



Facility: Keck Farm Well/Piezometer Name: MW-40D Evaluator: Charlie Bills Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
\Box flush with surface?			
☑ above ground?		A second s	
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?	446	X	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			×
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			x
Is the well free from standing or ponded water?	X		1
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		1
Is the locking cap free of rust?		X	1.00
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	×		1
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X	1	1

COMMENTS:

Well/Piezon	meter Name:	MW-40D			
Well Type:	PUC		E	Diameter: 2 inch	
Notes:	PQØLI	Wisconsin	· Unique	well#	
Protective C	asing Type:	steel	I	Diameter: 4 inch	_
Notes:					
Depth to Liq	juid: <u>4</u> 2,50				
Total Depth:	139.55	Expected Well I	Depth*: 13°	9.5	
Purge Volun	ne (Gal): 1x:	16 4x: (10x:	160	
Dedicated sa	ampling equipmo	ent: Y Ň	Type / Dia	meter:	

Photo:



Facility:	Keck	Farm	4
Evaluator:	Charlie	Bills	

Well/Piezometer Name: Mw- 41D Evaluation Date: 7-11-18

	Y	IN	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X	1	1
Is the well elevation information inscribed at or on the well correct?			x
Is the well:			
\Box flush with surface?			
⊠ above ground?		A design of the second s	
is the well free of physical damage?	×		
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	X		T
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?	*	x	1
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	×		1
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		1-1-

COMMENTS: _

Well/Piezometer Name: <u>MW-41D</u>	
Well Type:	Diameter: 2 mch
Notes:	
Protective Casing Type: <u>Steel</u>	Diameter: <u>Uinch</u>
Notes: Remeasured + cond	firmed total depth
Depth to Liquid: 39, 42	
Total Depth: <u>36</u> , 1 Expected Well Dep	oth*: 140.7
Purge Volume (Gal): 1x: 16 4x: 64	10x: 160
Dedicated sampling equipment: 🐑 N	Type / Diameter: 14 446-mg

Photo:



Facility:	Kech F	arm	Well/P
Evaluator:	Charle	BIIS	Evalua

Piezometer Name: MW - 42Dation Date: 7 - 11 - 18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			-
X above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	×		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			x
Is the well free from standing or ponded water?	×		
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	×		
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		×	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X		

COMMENTS: _

Well/Piezometer Name: <u>MW-42D</u>	
Well Type: <u>P//C</u>	Diameter: Zinch
Notes:	
Protective Casing Type:	Diameter: 4 inch
Notes:	
Depth to Liquid: 40.73	
Total Depth: 148.3 Expected Well Dep	pth*: 147.5
Purge Volume (Gal): 1x: 18 4x: 72	2 10x: 180
Dedicated sampling equipment: N	Type / Diameter: 14 + 46 mg

Photo:



Facility:	Keck Far	3	Well/Piez	ometer
Evaluator:	Charle	B.IIS	Evaluation	n Date:

Name: <u>MW-43D</u> 7-11-18

V N N/A Is the well's location appropriately shown on a facility map? X Is the well adequately flagged if hard to find? X Is the well elevation information inscribed at or on the well correct? × Is the well: \Box flush with surface? above ground? Is the well free of physical damage? X Is the well labeled on the inside? X Is the well labeled on the outside? X Does the well have protective posts, if necessary? X Do above ground wells have weep holes at the base of the protective casing? X Does the area around the well appear clean? X Is the casing secure (attempt to move along two perpendicular axes)? X Is the surface seal void of differential erosion around and under the base? 13 X Is the surface seal free of cracks that might affect the integrity of the seal? 儒 X Is the surface seal sloped to prevent ponding around the well? X 1 Is the well free from standing or ponded water? X Is the well locked to prevent unauthorized access? X Is the protective casing cap void of large gaps which would breach security? X Is the locking cap free of rust? X Is there a survey mark on the riser/wellhead assembly cap? X Is the riser cap vented? 18 X Is the annular space free of animal/insect nests? X Is the annular space appropriately filled with filtering material? X If a pump, can it be lifted a few inches? (do not test prior to sampling) X Is the well free of kinks or bends? X

COMMENTS:

October 16, 2003

Well/Piezometer Name: $MW - 43D$	* : · · ·	
Well Type: PVC	Diameter:	Zin
Notes:		
Protective Casing Type: <u>Steel</u>	Diameter:	Yin
Notes:		
Depth to Liquid: 27.80	-	,
Total Depth: 158.8 Expected Well Depth*:	159.3	
Purge Volume (Gal): 1x: 22 4x: 88	10x: 220	
Dedicated sampling equipment: $\hat{\mathbf{Y}} \mathbf{N}$ Type	e / Diameter:	\$ 14 tubing
21		

Photo:



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1

1

1

Facility:	Keck F	arm	Well/Piezometer N	lame: MW	-44D
Evaluator:	Charlie	Bills	Evaluation Date:		-

	V	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
A above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		x	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	×		
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	×		1
Is the casing secure (attempt to move along two perpendicular axes)?	×		1
Is the surface seal void of differential erosion around and under the base?			×
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	×		
Is the locking cap free of rust?		×	E
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		1-	X
Is the annular space free of animal/insect nests?	×	-	-
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		

COMMENTS: _____

October 16, 2003

Well/Piezometer Name: <u>MW-44D</u> Well Type: <u>PVC</u>	Diameter: _	Zinch
Notes:		
Protective Casing Type: <u>Stee</u> (Diameter:	4 inch
Notes:		
	-	
Depth to Liquid: 43.11 Total Depth: 145.8 Expected Well Depth*:	145.0	
Purge Volume (Gal): $1x: 18 4x: 72$	_ 10x: <u>18</u> D	*/14 . 1
Dedicated sampling equipment: \widehat{V} N Ty	pe / Diameter:	7 inch tubing

Photo:



Facility: Keck Farm Evaluator: Charlie Bills

Well/Piezometer Name: MW-45D Evaluation Date: 7-11-18

		2	
	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			x
Is the well:			
□ flush with surface?			-
☑- above ground?	-		
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	K		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X	1	
Is the surface seal void of differential erosion around and under the base?		X	
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?		X	
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X	1	
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	-
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
is the well free of kinks or bends?			

COMMENTS: Surface Seal has been eroded under

Well/Piezometer Name: $MW - 45D$	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Well Type: PUC	Diameter: 2.noh
Notes: PH463 WD.NR #	
Protective Casing Type:	Diameter:
Notes: <u>Cement Surface Seal</u>	Needs to be removed or
Ceplaced.	
Depth to Liquid: 39.30	
Total Depth: 1377 Expected Well Dept	th*: 138.0
Purge Volume (Gal): 1x: <u>17</u> 4x: <u>68</u>	10x: 170
Dedicated sampling equipment: N	Type / Diameter: 14 + tubing

Photo:



Facility: Keck Farm Evaluator: Charlie Bills

Well/Piezometer Name: MW-46D

Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:		-	
G flush with surface?			
above ground?			
is the well free of physical damage?	×	1	
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	x		2
Is the surface seal void of differential erosion around and under the base?	*		x
Is the surface seal free of cracks that might affect the integrity of the seal?	*		X
Is the surface seal sloped to prevent ponding around the well?		1	X
Is the well free from standing or ponded water?	X	-	
Is the well locked to prevent unauthorized access?	X		-
Is the protective casing cap void of large gaps which would breach security?	X	1	-
Is the locking cap free of rust?		×	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		14	x
Is the annular space free of animal/insect nests?		X	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		-1

COMMENTS:

Well/Piezometer Name: Ala MW-46 D Well Type: PUC Diameter: 2
Notes:
Protective Casing Type: <u>Steel</u> Diameter: <u>Y</u>
INOIES
Depth to Liquid: 15.12 Total Depth: 128.90 Expected Well Depth*: 127.0
Purge Volume (Gal): $1x: 19 4x: 76 10x: 190$ Dedicated sampling equipment: N Type / Diameter: $74 in + 46 ing$

Photo:



Facility:	Keck Farm	Well/I
	Charlie Bills	Evalu

Well/Piezometer Nam	le:	l	w-	1
a second second second second second	-	 		
	7		(3	

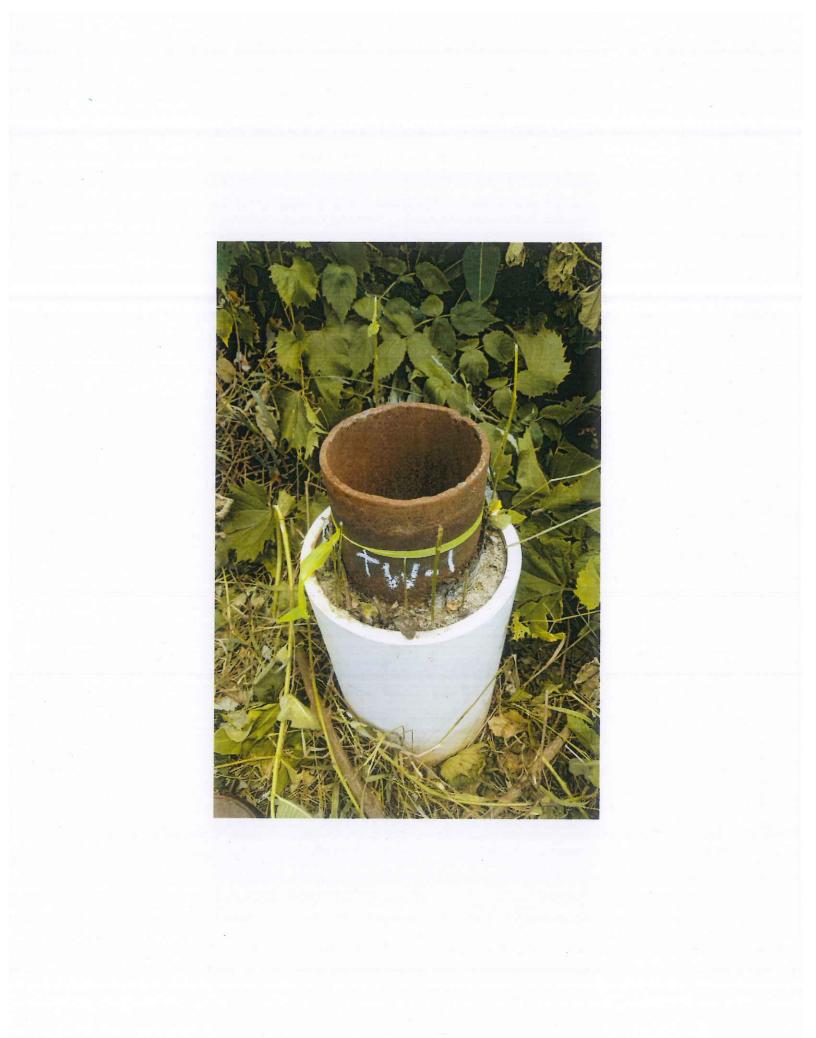
nation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
\square flush with surface?			
above ground?			
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	X	1	1
Is the surface seal void of differential erosion around and under the base?		1	X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		1
Is the locking cap free of rust?		X	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X	1	
If a pump, can it be lifted a few inches? (do not test prior to sampling)	1-		X
Is the well free of kinks or bends?	X		1

COMMENTS:

Well/Piezometer Name: $T\omega - 1$	2 - A-
Well Type: Steel	Diameter: Ce in
Notes:	
Protective Casing Type:	Diameter: 8 in
Notes:	
Depth to Liquid: 64.66	
Total Depth: 175.8 Expected Well 1	Depth*: 176.4
Purge Volume (Gal): 1x: 19 4x: 7	10x: 190
Dedicated sampling equipment: Y N	Type / Diameter:

Photo:



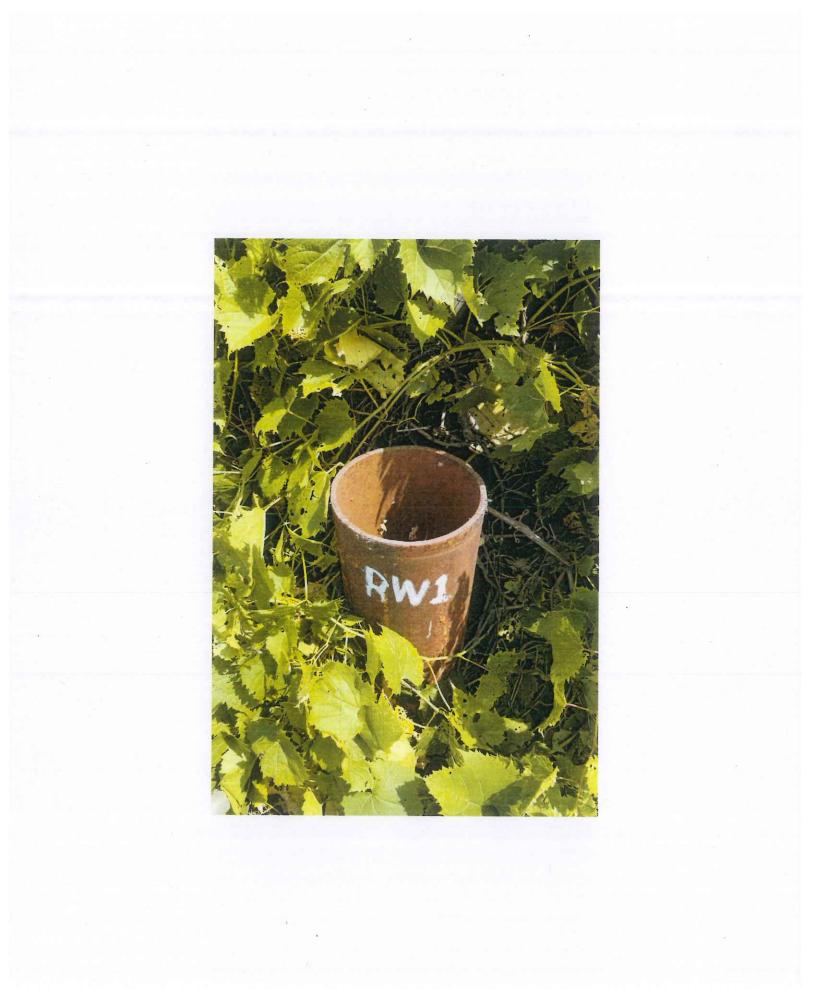
Facility:	Keck Farm	Well/Piezometer Name: RW-1
Evaluator:	Charlie Bills	Evaluation Date: 7-11-18

	V	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
Above ground?			
Is the well free of physical damage?	x		
Is the well labeled on the inside?		×	
Is the well labeled on the outside?	×		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		14	x
Does the area around the well appear clean?	X	1.6	1
Is the casing secure (attempt to move along two perpendicular axes)?		1	X
Is the surface seal void of differential erosion around and under the base?	X		*
Is the surface seal free of cracks that might affect the integrity of the seal?	×		
Is the surface seal sloped to prevent ponding around the well?		×	
Is the well free from standing or ponded water?	X		1
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	×		-
Is the locking cap free of rust?		×	
Is there a survey mark on the riser/wellhead assembly cap?		×	
Is the riser cap vented?			×
Is the annular space free of animal/insect nests?	X		1
Is the annular space appropriately filled with filtering material?	楼		X
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?		1	1.0

COMMENTS: ____

Well/Piezometer Name: <u>Kw-1</u>	
Well Type: Steel	Diameter: Gin
Notes: Remeasured + confi	rmed Total Depth on 7-12-18
Protective Casing Type: NA	Diameter:
Notes: white Mark on So	with Side of well where we
measure DTL, TD + where	Surveyers took measurements
Depth to Liquid: 40,40	
Total Depth: <u>147.6</u> 0 Expected Well D	Depth*: 172,0
Purge Volume (Gal): 1x: 18 4x: 7	2 10x: 180
Dedicated sampling equipment: Y N	Type / Diameter:

Photo:



Facility:	Keck Fo	arm	Well/Piezometer
Evaluator:	Charlie	Bills	Evaluation Date:

Well/Piezometer Name:	RW-2
Evaluation Date: 7-	11-18

	V	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	×	1	1
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			
\Box flush with surface?			
➡ above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		14	X
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?			X
Is the surface seal void of differential erosion around and under the base?		1	X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?	×		
Is the well locked to prevent unauthorized access?	X		-
Is the protective casing cap void of large gaps which would breach security?		1	×
Is the locking cap free of rust?			×
Is there a survey mark on the riser/wellhead assembly cap?			×
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?			X
Is the annular space appropriately filled with filtering material?			×
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?			1
		1	1

COMMENTS:

Well/Piezometer Name: $\mathcal{R}\omega - 2$	
Well Type: Steel	
Notes: white mark on	well, where
Surveyers to measured	
Protective Casing Type: <u><i>NA</i></u>	
Notes: unable to obtain	to wires
within the well	
Depth to Liquid:	
Total Depth: Expected	
Purge Volume (Gal): 1x: 4	
Dedicated sampling equipment: Y N	

Photo:



Facility: Keck Farm	Well/Piezometer Name:	INJ-1	
Evaluator: Charlie Bills	Evaluation Date: 7-	-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		1
Is the well elevation information inscribed at or on the well correct?		1	X
Is the well:		1	
□ flush with surface?			
☑ above ground?			
Is the well free of physical damage?		X	
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	×	~	
Does the well have protective posts, if necessary?	X	+	1
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?		X	1
Is the surface seal void of differential erosion around and under the base?			×
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	1	X	14
Is the well locked to prevent unauthorized access?	X		R
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		×	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		~
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	1-		X
Is the well free of kinks or bends?		X	~
	-	1	1

COMMENTS: _

October 16, 2003

Well/Piezometer Name: INJ-1	at at
Well Type: PUC	Diameter: 2.1
Notes:	*
Protective Casing Type: Ster	Diameter: 4. nch + 6. nch
Notes: Both Casages Both Pu	
be moved easily inside le	
Depth to Liquid: <u>43.58</u>	
Total Depth: 173.8 Expected Well Depth*:	191.0
Purge Volume (Gal): 1x: 22 4x: 88	10x: 220
Dedicated sampling equipment: Y N Type	e / Diameter:

Photo:



Facility:	Keck fa	רחז	Well/Piezometer N	ame: INJ-	2
Evaluator:	Charle e	Bills	Evaluation Date:	7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			1
□ flush with surface?			
🖾 above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	×		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		×	
Does the area around the well appear clean?	X		1
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	×		
Is the well locked to prevent unauthorized access?	×		1
Is the protective casing cap void of large gaps which would breach security?	×		
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?		×	
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?		X	1

COMMENTS:

7

Well/Piezometer Name: $1NJ-2$	2.12
Well Type: Steel + PUC	Diameter: 2 3/4 inch + 2 inc
Notes: 3/4 inch steel in Zinch	PUC. Unable to pass
will tape down. Blocked the lein	rches down
Protective Casing Type:	Diameter:
Notes:	
Depth to Liquid:	
Total Depth: Expected Well Depth*: _	18 8.1
Purge Volume (Gal): 1x: 4x:	10x:
Dedicated sampling equipment: Y 🔊 Type	/ Diameter:
Photo:	





Facility: Kecy Farm	Well/Piezometer Name: INJ-3	
Evaluator: Charlie Bills	Evaluation Date: 7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	×		
Is the well adequately flagged if hard to find?	×		
Is the well elevation information inscribed at or on the well correct?			x
Is the well:			
\Box flush with surface?			
above ground?			
Is the well free of physical damage?	×		
Is the well labeled on the inside?		×	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	×		1
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		-
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	×		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	V		1

COMMENTS: _

October 16, 2003

Well/Piezometer Name: <u>INJ-3</u> Well Type: <u>PUC</u>	Diameter: Zin
Notes:	
	Diameter: 4.1064
Notes: <u>Remeasured + confir</u> on G112/18	med Total depth
Depth to Liquid: <u>43,17</u> Total Depth: <u>167,3</u> Expected Well Depth*	1859
Purge Volume (Gal): $1x: 21 \\ 4x: 84 \\ Dedicated sampling equipment: N Ty$	

Photo:



Facility:	Kech Far	m	Well/Piezor
Evaluator:	Charlie	Bills	Evaluation

meter Name: INJ-4

Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?			X
Is the well elevation information inscribed at or on the well correct?			
Is the well:		1	1
□ flush with surface?			
X above ground?			
Is the well free of physical damage?		X	
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X	1	1
Do above ground wells have weep holes at the base of the protective casing?		1	1
Does the area around the well appear clean?	X	1	
Is the casing secure (attempt to move along two perpendicular axes)?	X	1	
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?		1	X
Is the well free from standing or ponded water?	X	1	
Is the well locked to prevent unauthorized access?	~		
Is the protective casing cap void of large gaps which would breach security?	1	V	
Is the locking cap free of rust?	R	XX	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?		14	X
Is the annular space free of animal/insect nests?	X	. 27	~
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	1		X
Is the well free of kinks or bends?	X		1

COMMENTS: _

Well/Piezometer Name: <u>INJ-4</u>	2-3
Well Type:	Diameter: 2-inch
Notes:	
	*
Protective Casing Type: Steel	Diameter: <u>Uinch</u>
Notes: Casing is dented with s	ome cracks
	*
Depth to Liquid: <u>42.23</u>	
Total Depth: <u>168.0</u> Expected Well Depth	n*: 189.0
Purge Volume (Gal): 1x: 21 4x: 84	10x: 210
Dedicated sampling equipment: 😥 N	Type / Diameter: <u>14 tubing</u>

Photo:



T

1

Facility:	Keck Far	m	Well/Piezometer N	ame: I	NJ-5
Evaluator: _	Charlie	Bills	Evaluation Date:	7-11-18	

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
□ flush with surface?			
above ground?		and a second second	
is the well free of physical damage?	X		
Is the well labeled on the inside?		X	
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary? -	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?			×
Is the surface seal free of cracks that might affect the integrity of the seal?			×
Is the surface seal sloped to prevent ponding around the well?			×
Is the well free from standing or ponded water?			X
Is the well locked to prevent unauthorized access?	×		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		×	
is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			×
Is the well free of kinks or bends?	X		

COMMENTS: _____

Well/Piezometer Name: $INJ-5$	
Well Type: <u>Steel</u>	Diameter: Zin
Notes:	
Protective Casing Type: <u>Steel</u>	Diameter: 4.nch
Notes: hole next to casing	
Depth to Liquid: 46.67	
Total Depth: 170.9 Expected Well Depth*: 1	93.3
Purge Volume (Gal): $1x: 21 4x: 84 10x$ Dedicated sampling equipment: N Type / D	x: 210
Dedicated sampling equipment: N Type / D	Diameter: 19 746ing

Photo:



Facility: <u>Kech Farm</u> Well/Piezometer Name: <u>INJ-6</u> Evaluator: <u>Charlie Bills</u> Evaluation Date: <u>7-11-18</u>

N

N/A

X Is the well's location appropriately shown on a facility map?

is the wert's robation appropriately shown on a facility map:	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			1
C flush with surface?			
A above ground?			
Is the well free of physical damage?	X	1	
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	X		1
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	1
is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	-
Is the riser cap vented?			V
Is the annular space free of animal/insect nests?	X		A
is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		1-1

COMMENTS:

Well/Piezometer Name: Well Type:	Diameter:
Notes:	
Protective Casing Type: Steel	Diameter:
Notes:	
Depth to Liquid: <u>42.63</u> Total Depth: <u>181.70</u> Expected Well Depth*:	
Purge Volume (Gal): $1x: 24$ $4x: 96$ 10 Dedicated sampling equipment: $\widehat{\mathbf{Y}} \mathbf{N}$ Type / 1	x: <u>240</u>

Photo:



Facility: <u>Kech Farm</u> Well/Piezometer Name: <u>INJ-7</u> Evaluator: <u>Charle Bills</u> Evaluation Date: <u>7-11-18</u>

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	A		
Is the well elevation information inscribed at or on the well correct?			×
Is the well:			1
□ flush with surface?			-
A above ground?			
is the well free of physical damage?	X		
Is the well labeled on the inside?	X		1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	×		
Do above ground wells have weep holes at the base of the protective casing?		X	1
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			K
Is the well free from standing or ponded water?	x		1
Is the well locked to prevent unauthorized access?	X		1
Is the protective casing cap void of large gaps which would breach security?	X	1	1
Is the locking cap free of rust?		X	1
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			x
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		1
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		1
			1

COMMENTS:

Well/Piezometer Name: INJ-7	
Well Type:	Diameter: 2 inch
Notes:	
Protective Casing Type: <u>Stee</u>	Diameter:linoh
Notes:	
Depth to Liquid: <u>42.95</u>	
Total Depth: 183.4 Expected Well Depth*:	
Purge Volume (Gal): 1x: 24 4x: 96 10	Dx: 240
Dedicated sampling equipment: Y N Type / 1	Diameter:

Photo:



Facility: Kech Farm Well/Piezometer Name: INJ-8 Evaluator: Charlie Bills

Evaluation Date:

N

N/A

X

	Y
Is the well's location appropriately shown on a facility map?	X
Is the well adequately flagged if hard to find?	X
Is the well elevation information inscribed at or on the well correct?	
Is the well:	
\Box flush with surface?	
🕅 above ground?	
Is the well free of physical damage?	X
Is the well labeled on the inside?	×
Is the well labeled on the outside?	×
Does the well have protective posts, if necessary?	X
Do above ground wells have weep holes at the base of the protective casing?	
	V

Is the well labeled on the outside?	×		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	×		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			X
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	Ī	
Is the locking cap free of rust?		X	
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	×		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		

labeled incorrectly inside casing on well COMMENTS: ____

Well/Piezometer Name: <u>LNJ-8</u>	* 10-	
Well Type:	Diameter: 2 inch	
Notes: Labeled as InJ-9 0.	n PVC, Map Says	INJ-8
Protective Casing Type: <u>Stee</u>	Diameter: 4.nch	
Notes:		
Depth to Liquid: 48.22		
Total Depth: <u>152.6</u> Expected Well Depth*:		
Purge Volume (Gal): $1x: \frac{18}{4x} = 4x: \frac{72}{14}$		
Dedicated sampling equipment: 🕢 N Type /	Diameter: 14 tubing	

Photo:



Facility: Kech Farm Well/Piezometer Name: INJ-9 Evaluator: Charle Bills Evaluation Date: 7-11-18

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well:			
\Box flush with surface?			
above ground?			
Is the well free of physical damage?	X		
Is the well labeled on the inside?		X	1
Is the well labeled on the outside?	X		1
Does the well have protective posts, if necessary?	×		1
Do above ground wells have weep holes at the base of the protective casing?	-	X	1
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?			X
Is the surface seal free of cracks that might affect the integrity of the seal?			XXX
Is the surface seal sloped to prevent ponding around the well?			X
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X	1	
Is the locking cap free of rust?		X	-
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?			X
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)			X
Is the well free of kinks or bends?	X		

COMMENTS:

October 16, 2003

Well/Piezometer Name: $INJ-q$	
Well Type: PVC	Diameter: Zinch
Notes:	
Protective Casing Type:	Diameter: 4 inch
Notes:	
Depth to Liquid: 48.52	
Total Depth: <u>152.7</u> Expected Well Depth*:	
Purge Volume (Gal): $1x: 18 4x: 72 10$	x: <u>180</u>
Dedicated sampling equipment: Y N Type / I	Diameter:

Photo:



ATTACHMENT B

Survey Information

Well	Latitude	Longitude	Northing	Easting	Casing Elevation Leveled	Ground Elevation
INJ1	43-09'44.51062"N	88-49'03.07142"W	615968.0148	852654.5961	864.72	862.0
INJ2	43-09'43.14931"N	88-49'03.02504"W	615830.1806	852657.9639	861.83	858.9
INJ3	43-09'43.05978"N	88-49'03.79894"W	615821.1449	852600.5989	864.37	861.6
INJ4	43-09'43.70231"N	88-49'03.82763"W	615886.2028	852598.5055	863.38	861.8
INJ5	43-09'44.43490"N	88-49'03.79687"W	615960.376	852600.8231	867.80	862.7
INJ8	43-09'43.74032"N	88-49'05.88934"W	615890.1291	852445.6966	869.48	867.1
INJ9	43-09'44.99299"N	88-49'05.68010"W	616016.9542	852461.2702	869.90	867.7
MW10D	43-09'45.05810"N	88-49'05.47735"W	616023.5388	852476.3016	870.89	868.7
MW11D	43-09'43.91599"N	88-49'06.08401"W	615907.9235	852431.2769	868.84	866.3
MW12D	43-09'44.93290"N	88-49'03.38652"W	616010.7828	852631.2634	865.99	863.9
MW13C	43-09'44.96575"N	88-48'52.75611"W	616013.7217	853419.1719	884.12	881.7
MW14D	43-09'44.97875"N	88-48'52.85760"W	616015.0422	853411.6504	883.49	881.8
MW15	43-09'45.36740"N	88-48'52.87762"W	616054.3929	853410.1854	884.09	882.0
MW16C	43-09'45.28477"N	88-48'52.94141"W	616046.0288	853405.4536	884.21	881.6
MW17	43-09'44.96976"N	88-48'52.66339"W	616014.1247	853426.0442	884.36	882.2
MW18D	43-09'45.38999"N	88-48'52.78566"W	616056.6776	853417.0019	884.37	881.8
MW19C	43-09'44.84399"N	88-49'03.28575"W	616001.7773	852638.7278	865.71	863.6
MW1C	43-09'44.87677"N	88-49'05.50145"W	616005.1799	852474.5054	870.79	868.8
MW2	43-09'42.78357"N	88-49'06.14537"W	615793.2682	852426.6694	868.85	867.0
MW20C	43-09'43.90190"N	88-49'05.93828"W	615906.4913	852442.0773	869.96	867.6
MW21D	43-09'37.44776"N	88-48'58.20038"W	615252.7204	853015.2785	863.51	861.9
MW22C	43-09'43.40880"N	88-49'09.97283"W	615856.722	852143.016	832.34	831.2
MW23D	43-09'43.41848"N	88-49'10.03312"W	615857.7045	852138.5478	832.75	830.7
MW24	43-09'43.42722"N	88-49'10.10628"W	615858.5919	852133.1258	832.50	830.4
MW25C	43-09'38.45226"N	88-48'45.99841"W	615354	853919.7431	854.83	853.3
MW26C	43-09'46.02629"N	88-48'45.09369"W	616120.8401	853987.1449	848.10	846.1
MW27	43-09'45.03019"N	88-49'03.42142"W	616020.6351	852628.682	866.00	864.2
MW28D	43-09'43.93626"N	88-49'05.85490"W	615909.9672	852448.2591	870.41	867.9
MW29	43-09'43.93148"N	88-49'05.81896"W	615909.4811	852450.923	870.07	868.1
MW3	43-09'44.22149"N	88-49'07.92047"W	615938.926	852295.1772	847.06	845.5
MW30D	43-09'44.65295"N	88-49'03.23629"W	615982.4324	852642.3837	865.14	862.8
MW32D	43-09'45.83061"N	88-48'42.12625"W	616100.9304	854207.0763	819.53	817.2
MW33D	43-09'39.94804"N	88-48'41.64812"W	615505.3046	854242.2544	817.09	815.6

Well	Latitude	Longitude	Northing	Easting	Casing Elevation Leveled	Ground Elevation
MW34D	43-09'37.22776"N	88-48'41.60276"W	615229.8748	854245.4965	822.57	821.2
MW39D	43-09'40.13513"N	88-48'45.83809"W	615524.3851	853931.703	852.75	850.3
MW4	43-09'43.72243"N	88-49'03.59806"W	615888.2309	852615.522	863.42	861.6
MW40D	43-09'44.26076"N	88-49'02.35947"W	615942.6898	852707.3523	863.82	861.3
MW40D	43-09'44.26186"N	88-49'02.35905"W	615942.8019	852707.3836	863.82	861.3
MW41D	43-09'43.14106"N	88-49'02.33366"W	615829.3195	852709.2077	860.63	858.1
MW42D	43-09'42.54744"N	88-49'03.32000"W	615769.2524	852636.0713	861.81	859.1
MW43D	43-09'44.99115"N	88-49'07.92453"W	616016.8542	852294.9171	848.99	846.6
MW46D	43-09'44.35802"N	88-49'09.29151"W	615952.8033	852193.5656	836.24	834.4
MW5	43-09'44.70483"N	88-49'03.86542"W	615987.7088	852595.7567	865.21	864.0
MW6	43-09'43.88559"N	88-49'05.79115"W	615904.8344	852452.982	869.75	868.0
MW7	43-09'38.35479"N	88-48'46.49214"W	615344.1481	853883.1433	861.03	859.3
MW8	43-09'40.52803"N	88-48'47.82277"W	615564.2332	853784.6172	883.01	881.2*
MW9	43-09'46.17470"N	88-48'47.45379"W	616135.9454	853812.2262	886.57	885.6
RW1	43-09'43.81276"N	88-49'02.65065"W	615897.3413	852685.7476	861.60	859.6
RW2	43-09'38.83816"N	88-48'45.97867"W	615393.0718	853921.224	854.24	852.4
TW1	43-09'45.26114"N	88-48'52.74808"W	616043.6301	853419.7812	884.70	882.6

Data from survey by Burse Survey and Engineering, Inc. (July 2018) except where indicated.

* - determined by measurement (1.80 feet) from casing elevation by SCS (8/1/18)

I:\25218118.00\Deliverables\Monitoring Well Inventory Summary\Attachment B - Survey Information\[Survey_All Wells Except Those in Cornfield.xlsx]Sheet1

			Jefferson				
	Latitude	Longitude	County Coords		Casing Elevation Leveled	(GPS Shot)Casing Elevation	Ground Elevation
INJ6	43-09'44.65000"N	88-49'01.89146"W	615982.0836	852742.0601	<u>CORN FIELD</u>	863.97	861.3
MW44D	43-09'44.97830"N	88-49'01.73253"W	616015.3177	852753.8569	<u>CORN FIELD</u>	864.41	861.8
INJ7	43-09'45.08744"N	88-49'01.86853"W	616026.3732	852743.7822	<u>CORN FIELD</u>	864.36	861.6
MW35D	43-09'44.44745"N	88-49'00.86542"W	615961.5372	852818.0982	CORN FIELD	861.74	858.9
MW45D	43-09'43.76074"N	88-48'59.06162"W	615891.9407	852951.7586	CORN FIELD	860.69	857.1
MW36	43-09'43.37242"N	88-49'00.87393"W	615852.6906	852817.4133	CORN FIELD	860.52	857.9
MW36D	43-09'43.37664"N	88-49'00.98472"W	615853.1217	852809.2015	<u>CORN FIELD</u>	860.12*	858.1
MW37D	43-09'41.75675"N	88-49'01.30982"W	615689.1206	852785.0231	CORN FIELD	858.36	855.5
MW38D	43-09'41.70871"N	88-49'02.66208"W	615684.3064	852684.7925	CORN FIELD	859.47	856.7

Data from survey by Burse Survey and Engineering, Inc. (July 2018) except where indicated.

* - determined by measurement (2.05 feet) from ground surface by SCS (8/1/18)

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