Leking, Geoffrey R, EMNRD

From: Leking, Geoffrey R, EMNRD
Sent: Monday, May 03, 2010 3:10 PM
To: 'Tavarez, Ike'
Subject: RE: Stephens & Johnson Operating Company

Ike

I spoke with Larry. He also would like to see the chlorides excavated out. Therefore, please excavate both area BH1 and BH-2 to 26 feet. Collect the appropriate samples. Install the 40 mil liner as described in the workplan. And to reiterate, excavate the ramp area and sample for clean at this location, also. Follow the rest of the workplan as stated, making sure the sidewalls are scraped clean. Please call me if you have any questions. Thank you for your attention to this matter.

Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leking@state.nm.us

From: Tavarez, Ike [mailto:Ike.Tavarez@tetratech.com]
Sent: Monday, May 03, 2010 7:50 AM
To: Leking, Geoffrey R, EMNRD
Subject: RE: Stephens & Johnson Operating Company

Geoffrey,

I have reviewed the submitted work plan. In the Work Plan section of the report, the proposed area to be excavated should have been BH-2 (hydrocarbon impacted area) not BH-1. Sorry for the error. I have attached the revised work plan. I will call you to discuss the work plan, thanks

Ike Tavarez
Tetra Tech

From: Leking, Geoffrey R, EMNRD [mailto:GeoffreyR.Leking@state.nm.us]
Sent: Friday, April 30, 2010 4:07 PM
To: Tavarez, Ike
Subject: Stephens & Johnson Operating Company

Ike

Stephens & Johnson Operating Company
Denton North Wolfcamp Unit
Flowline Leak 12-5
Section 25, T14S, R 37E
Lea County, New Mexico
1RP 09-11-2338

Review of the doucment Re: Assessment Report and Work Plan for the Stephens and Hohnson Operating Co., Denton Wolfcamp Unit, Well 12-5 flow line leak, Unit K, Township 14 South, Range 37 East, Lea County, New Mexico, API#30-025-05123m (1RP 2338) is complete. Here are the NMOCD comments:

1) BH-2 displays concentrations of TPH and total BTEX above allowable limits at a depth of 25 to26 feet below the bottom of the excavation. However, only the BH-1 area is proposed to be excavated to this depth. Stephens & Johnson should also excavaate the BH-2 area to a depth of 25-26'.

2) The west/northwest end of the excavation contains the ramp for descending to the excavation floor. It is unkown what concentrations of contaminants are beneath the ramp. The company should excavate/remove the ramp upon finishing the excavation at BH-1 and BH-2 areas and test the soils beneath this location to assure no contamination exists in the underlying soils. If contmaination exists above allowable limts, additional excavation should be performed.

Please respond to the above comments. Thank you for your timely attention to this matter.

Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leking@state.nm.us

SITE INFORMATION

1 RP-2338 Report Type: Assessment Report and Work Plan

General Site Information:

Site:	Denton Wolfcamp Unit #12-5 Flow line
Company:	Stephens & Johnson Operating Co.
Section, Township and Range	Section 25, T14S, R37 E Unit Letter - K
Lease Number:	API-30-025-05123
County:	Lea County
GPS:	33.07256° N, 103.15474° W
Surface Owner:	Issak Bos
Mineral Owner:	Buckley
Directions:	From intersection of Hwy 206 and Hwy 82, go northeast Hwy 82 for 9.3 miles, turn left at plant
	go 0.8 mile, turn right go 0.2 mile, turn left go 0.9 miles, turn right go 0.3 miles, turn right go
	0.5 miles, turn right to well site and spill area approx. 200' east of well pad

Release Data:

Date Released:	9/24/2009 (discovered)
Type Release:	oil and water
Source of Contamination:	flow line (DNWCU Well # 12-5)
Fluid Released:	estimated 5 barrels
Fluids Recovered:	0

RECEIVED
MAR 3 1 2010
HOBBSOCD

Official Communication:

Name:	Bob Gilmore		Ike Tavarez
Company:	Stephens & Johnson Operating Co.		Tetra Tech
Address:	811 Sixth Street, Suite 300		1910 N. Big Spring
P.O. Box	PO Box 2249		
City:	Wichita Falls, Texas 76307		Midland, Texas
Phone number:	(940) 723-2166		(432) 682- 4559
Fax:	(940) 723-8113		
Email:	bgilmore@sjoc.net		ike.tavarez@tetratech.com

Ranking Criteria

Depth to Groundwater:	*Ranking Score*	*Site Data*
<50 ft	20	
50-99 ft	**10**	less than 100 - greater than 50'
>100 ft.	0	

WellHead Protection:	*Ranking Score*	*Site Data*
Water Source <1,000 ft., Private <200 ft.	*20*	
Water Source >1,000 ft., Private >200 ft.	***0***	*0*

Surface Body of Water:	*Ranking Score*	*Site Data*
<200 ft.	*20*	
200 ft - 1,000 ft.	10	
>1,000 ft.	**0**	0

Total Ranking Score:	**10**

Acceptable Soil RRAL (mg/kg)		
Benzene	*Total BTEX*	*TPH*
10	50	1,000

TETRA TECH

RECEIVED
MAR 3 1 2010
HOBBSOCD

March 29, 2010

Mr. Larry Johnson
Environmental Engineer Specialist
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Assessment Report and Work Plan for the Stephens and Johnson Operating Co., Denton Wolfcamp Unit, Well 12-5 flow line leak, Unit K, Section 25, Township 14 South, Range 37 East, Lea County, New Mexico, API#30-025-05123, (1RP 2338).

Mr. Johnson:

Tetra Tech, Inc. was contacted by Stephens and Johnson Operating Co. (Stephens & Johnson) to assess a spill at the Denton Wolfcamp Unit, Well 12-5 flow line leak, located in Unit G, Section 35, Township 14 South, Range 37 East, Lea County, New Mexico (Site). The spill site coordinates are N 33.07256° W 103.15474°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on September 24, 2009 on a fiberglass line located in an irrigated field, east of Well 12-5. Approximately 5 barrels of fluids were reported and none recovered. The flow line was abandoned and relocated down the lease road. Stephens and Johnson excavated the spill area and hauled the material to Jay Dan Landfarm for disposal. The excavation measured approximately 80' x 100' x 10' deep. The initial Form C-141 is enclosed in Appendix C.

Groundwater

The New Mexico State Engineer Well Reports showed wells in Section 25 with groundwater depths of 55' and 65'. Other water wells were located in the United States Geological Survey (USGS) database in adjoining Sections, with reported depths to water ranging from 68' to 85' bgs. Copies of available groundwater data are included in Appendix A.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of

Tetra Tech
1910 North Big Spring, Midland,TX 79705
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the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater (>50'- <100'), the proposed RRAL for TPH is 1,000 mg/kg.

Borehole Installation

Stephens and Johnson contacted Tetra Tech to assess the excavated spill area. On January 4, 2010, Tetra Tech personnel inspected the site and noted hydrocarbon staining on the north wall, south wall and east wall of the excavation. The excavation measured approximately 70' x 115' at a depth of 12' below surface. A total of six (6) boreholes were installed at the Site to evaluate the soils. Three (3) boreholes (BH-1, BH-2 and BH-3) were installed in the excavation to evaluate the bottom. The remaining boreholes (BH-4, BH-5 and BH-6) were installed outside the excavation perimeter to define horizontal extents.

Boreholes were installed using an air-rotary type drilling rig. Soil samples were collected using a core barrel sampler. All vadose zone samples were inspected for lithologic characteristics and field screened with an organic vapor meter. A headspace gas survey was performed by collecting discrete soil samples and placing a portion of the sample in a clean plastic sample bag, leaving a vacant headspace in the bag. The bag was sealed and after approximately fifteen minutes at ambient temperature storage, the concentrations of organic vapors in the sample bag headspace were measured using an Organic Vapor Meter (OVM). The OVM readings are summarized in Table 1.

The core barrel sampler was washed between sampling events using potable water and laboratory grade detergent. All down hole equipment (i.e., drill rods, drill bits, etc.) were thoroughly decontaminated between each borehole with a high-pressure hot water wash and rinse. Soil cuttings from drilling were stockpiled adjacent to the borehole. Following the completion of the drilling activities, all boreholes were grouted to surface.

Based on the OVM evaluation and field observation, selected samples were collected from each borehole. All samples were collected and preserved in laboratory prepared sample containers with standard QA/QC procedures. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix B. The results of the sampling are summarized in Table 1. The borehole locations are shown in Figure 3.

Soil Sample Results

TPH and BTEX

Referring to Table 1, boreholes (BH-1 and BH-3) did not exhibit any TPH or BTEX concentrations above the RRAL. However, BH-2 did show hydrocarbon impact to the subsurface soils. The total BTEX concentrations exceeded the RRAL from 2.0' to

25' below excavation bottom. The total BTEX ranged from 143.76 mg/kg (10-11') to 227.61 mg/kg (2-3') and TPH ranged from 8,300 mg/kg (2-3') to 7,340 mg/kg (25-26'). The total BTEX and TPH were below the RRAL at 30' below excavation bottom. The perimeter boreholes (BH-4, BH-5 and BH-6) did not show TPH or BTEX above the RRAL.

Chloride

BH-1 did show a chloride impact to the subsurface soils. The chloride concentrations ranged from high of 6,190 mg/kg at 10-11' and declined to <200 mg/kg at 35' below excavation bottom. Borehole (BH-2) showed shallow chloride impact of 1,990 mg/kg at 2-3.' Borehole (BH-3) showed a slight chloride impact to the shallow soils. In addition, the perimeter boreholes (BH-4, BH-5 and BH-6) did not show chloride impact to the subsurface soils.

Work Plan

Stephens and Johnson propose to excavate the impacted soil above the RRAL. The hydrocarbon staining on the north wall, south wall and east wall will be excavated and hauled to an approved facility for disposal. Once excavated, confirmation samples will be collected from the sidewalls for TPH, BTEX and chloride analysis.

Once the sidewalls are completed, the area of BH-1 will be excavated to remove the hydrocarbon impacted soil to a depth of approximately 20' to 25' below excavation bottom. Tetra Tech will collect bottom hole samples for TPH and BTEX evaluation. Based on the assessment, the hydrocarbon impact appears to be confined to the bottom of the excavation. However, during the excavation of this area, side wall samples will be collected for TPH and BTEX from the excavation from proper removal of the impacted soil.

Once completed, the excavation will be backfilled with clean soil to approximately 4.0' below surface and the areas of BH-1 and BH-2 will be capped with 40 mil liner. Once completed, the excavation will be backfill to surface.

If you require any additional information or have any questions or comments concerning this Assessment/Work Plan, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez, P.G.
Sr. Project Manager

cc: Bob Gilmore – Stephens & Johnson

FIGURES

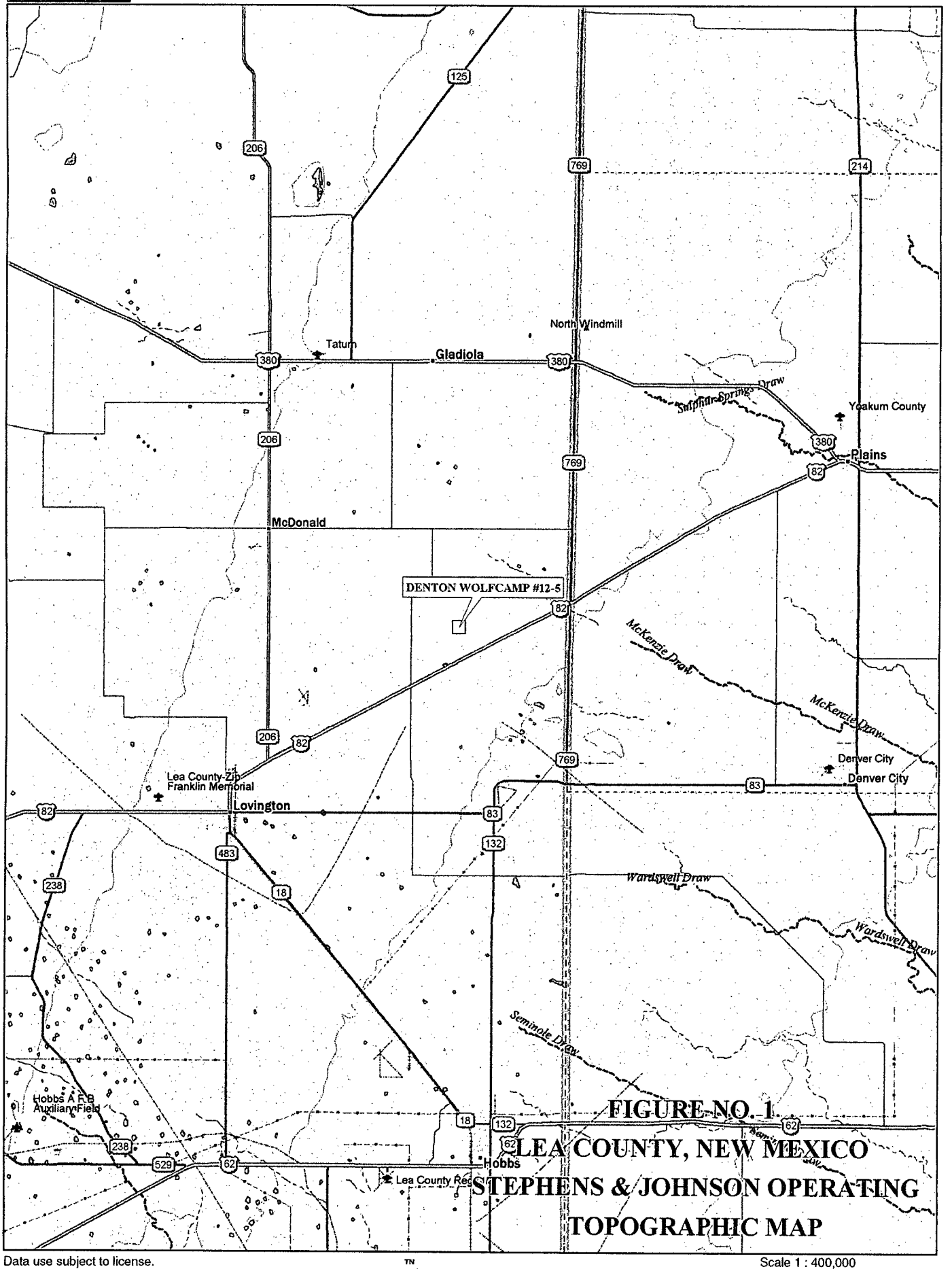


FIGURE NO. 1
LEA COUNTY, NEW MEXICO
STEPHENS & JOHNSON OPERATING
TOPOGRAPHIC MAP

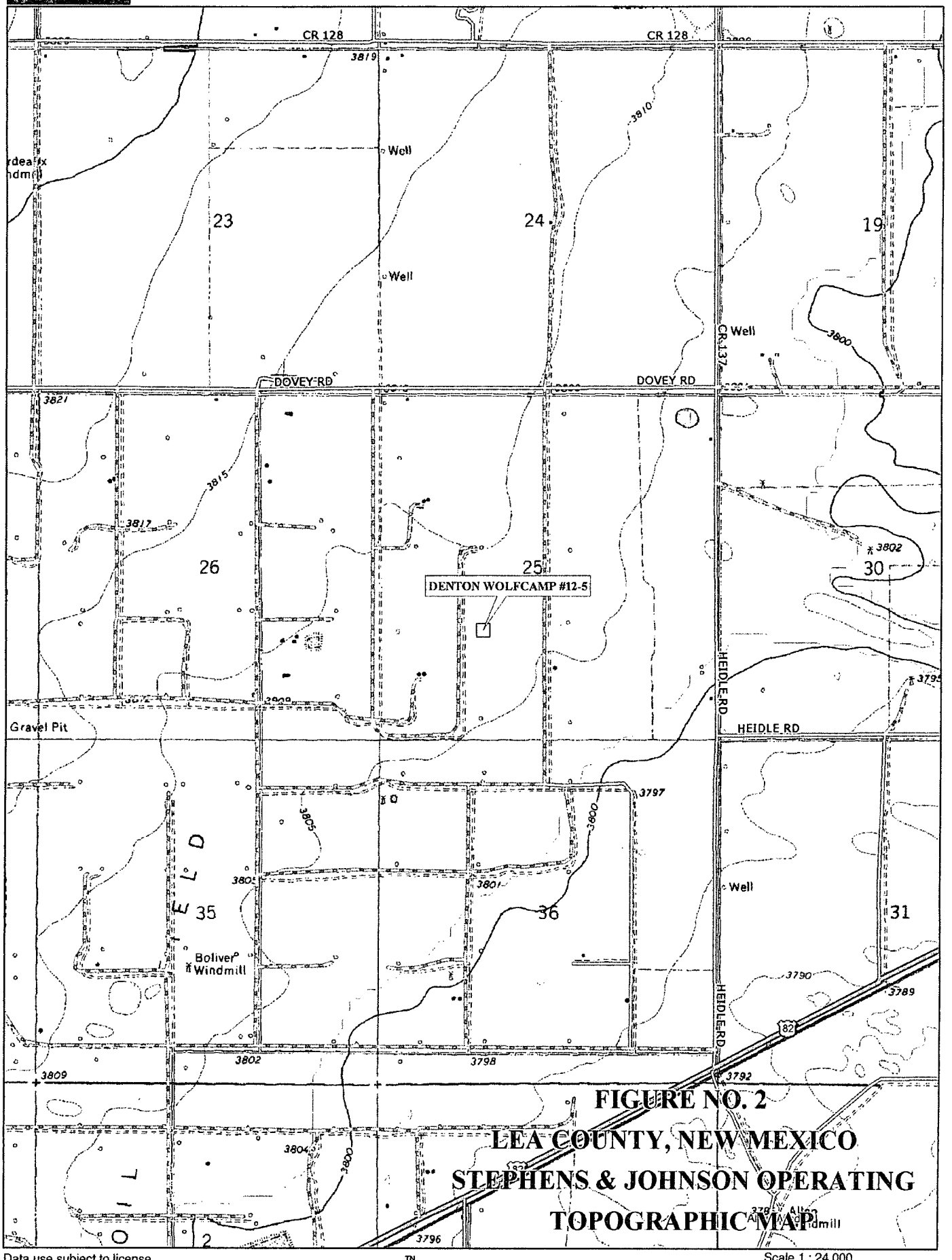
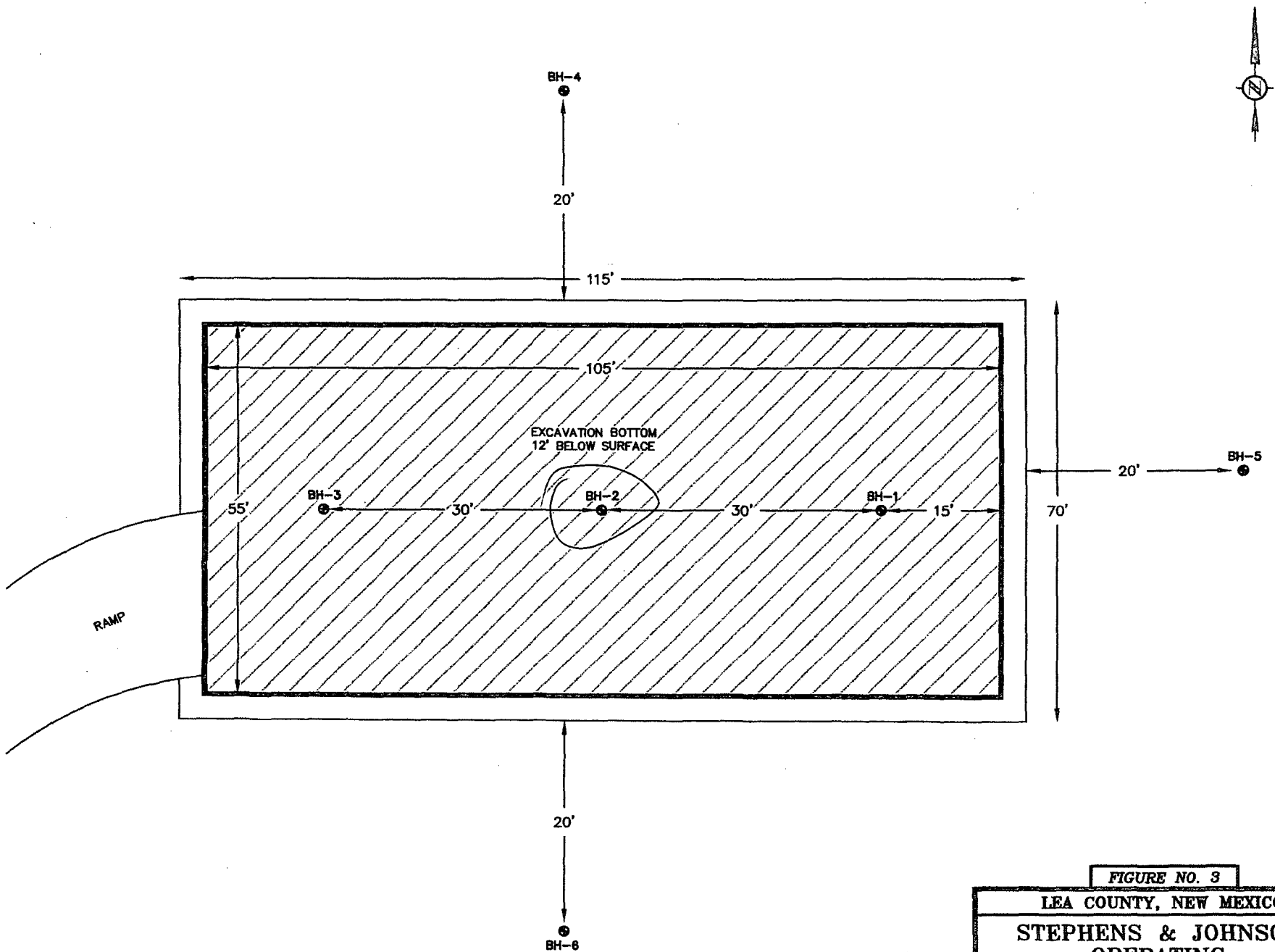


FIGURE NO. 2
LEA COUNTY, NEW MEXICO
STEPHENS & JOHNSON OPERATING
TOPOGRAPHIC MAP

TN
MN (7.6°E)

Scale 1 : 24,000
1" = 2,000.0 ft
Data Zoom 13-0



EXCAVATED AREA

BORE HOLE SAMPLE LOCATIONS

NOT TO SCALE

FIGURE NO. 3

LEA COUNTY, NEW MEXICO

STEPHENS & JOHNSON OPERATING

DENTON WOLFCAMP #12-5

TETRA TECH, INC.
MIDLAND, TEXAS

DATE: 1/15/10
DWG. BY: JJ
FILE: C:\STEPHENS & J 114-6400323

TABLES

Table 1
Stephens and Johnson Operating
Denton Unit, 12-5 Flow Line
Lea County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft) (BEB)	OVM (ppm)	Excavation Depth	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
					In-Situ	Removed	DRO	GRO	Total						
Installed Bottom of Excavation 12' below surface															
BH-1	1/4/2010	3-4	540	12	X		434	356	790	<0.100	1.26	3.26	9.84	14.36	5,330
		5-6	177		X		<50.0	<1.0	<50.0	<0.100	<0.100	<0.100	<0.100	<0.01	5,430
		10-11	8		X		-	-	-	-	-	-	-	-	6,190
		15-16	5		X		-	-	-	-	-	-	-	-	4,190
		20-21	5		X		-	-	-	-	-	-	-	-	2,940
		25-26	3.8		X		-	-	-	-	-	-	-	-	817
		30-31	3.8		X		-	-	-	-	-	-	-	-	567
		35-36	3.8		X		-	-	-	-	-	-	-	-	<200
BH-2	1/4/2010	2-3	1279	12	X		5,100	3,200	**8,300**	6.61	54.3	49.7	117	**227.61**	1,990
		5-6	1070		X		-	-	-	-	-	-	-	-	311
		10-11	1350		X		4,820	2,570	**7,390**	2.86	32.9	33	75.2	**143.96**	<200
		15-16	1235		X		-	-	-	-	-	-	-	-	<200
		20-21	1300		X		-	-	-	-	-	-	-	-	<200
		25-26	1700		X		4,240	3,100	**7,340**	4.54	49.6	44.2	100	**198.34**	<200
		30-31	30		X		<50.0	<1.0	<50.0	<0.01	<0.01	<0.01	<0.01	<0.01	<200
		35-36	15		X		-	-	-	-	-	-	-	-	<200
		40-41	12		X		-	-	-	-	-	-	-	-	-
BH-3	1/4/2010	2-3	137	12	X		137	73.3	210.3	<0.05	<0.05	<0.05	0.0744	0.0744	447
		5-6	76		X		<50.0	4.69	4.69	<0.01	<0.01	<0.01	<0.01	-	334
		10-11	16		X		-	-	-	-	-	-	-	-	<200
		15-16	7		X		-	-	-	-	-	-	-	-	<200
		20-21	6		X		-	-	-	-	-	-	-	-	<200
		25-36	6		X		-	-	-	-	-	-	-	-	-

(-) Not Analyzed

BEB - Below Excavation Depth

Table 1
Stephens and Johnson Operating
Denton Unit, 12-5 Flow Line
Lea County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	OVM (ppm)	Excavation Depth	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)		Chloride (mg/kg)
					In-Situ	Removed	GRO	DRO	Total						
Installed Top of Excavation															
BH-4	1/4/2010	5-6	3	12	X		<50.0	<1.0	<50.0	-	-	-	-		<200
		10-11	4		X		<50.0	<1.0	<50.0	<0.01	<0.01	<0.01	<0.01		<200
		15-16	3		X		<50.0	<1.0	<50.0	-	-	-	-		<200
		20-21	3		X		-	-	-	-	-	-	-		<200
BH-5	1/4/2010	5-6	3	12	X		<50.0	<1.0	<50.0	-	-	-	-		<200
		10-11	4		X		<50.0	<1.0	<50.0	<0.01	<0.01	<0.01	<0.01		<200
		15-16	3		X		<50.0	<1.0	<50.0	-	-	-	-		<200
		20-21	3		X		-	-	-	-	-	-	-		<200
BH-6	1/4/2010	5-6	3	12	X		<50.0	<1.0	<50.0	-	-	-	-		<200
		10-11	6.3		X		<50.0	<1.0	<50.0	<0.01	<0.01	<0.01	<0.01		<200
		15-16	2.5		X		<50.0	<1.0	<50.0	-	-	-	-		<200
		20-21	2.5		X		-	-	-	-	-	-	-		<200

(-) Not Analyzed

APPENDIX A

Water Well Data
Average Depth to Groundwater (ft)
Stephens and Johnson Operating Co.
Denton Worfcamp 12-5
Lea County, New Mexico

13 South 36 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

13 South 37 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

13 South 38 East

6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

14 South 36 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

14 South 37 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20 **90**	21	22	23	24
30 **75**	29 **75** **77**	28 **81**	27 **74** **62**	26 **44**	25 **85** **55** **65**
31 **80**	32 **74** **73**	33	34 **58** **83** **79**	35 **68**	36 **55** **63** **71**

14 South 38 East

6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19 **59** **50**	20	21	22	23
30 **40**	29	28	27	26
31	32	33	34	35

15 South 36 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

15 South 37 East

6	5	4 **74**	3 **58**	2 **42** **40**	1 **49**
7	8	9	10	11 **57**	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

15 South 38 East

6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)

Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - *Groundwater Data*

123 Field water level

143 NMOCD Groundwater map well location

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
L 00046 EXPLORE		IRR	LE	1	3	3	03	14S	37E	668296	3667033*	260	132	128
L 00046 S 8		IRR	LE	1	3	3	03	14S	37E	668296	3667033*	260	132	128
L 00046 S-6		IRR	LE	4	2	4	03	14S	37E	669701	3667254*	240		
L 00075 POD1		IRR	LE			4	20	14S	37E	666281	3662274*	190		
L 00075 POD2		IRR	LE	1	3	4	20	14S	37E	665979	3662172*	210		
L 00190 COMB S		IRR	LE	2	2	1	28	14S	37E	667394	3661786*	240		
L 00190 COMB.		IRR	LE			3	28	14S	37E	667117	3660676*	200		
L 00190 EXPLORE		IRR	LE	2	2	1	28	14S	37E	667394	3661786*	240	120	120
L 00242 S3		IRR	LE	2	2	4	21	14S	37E	668182	3662603*	190	100	90
L 00242 S4		IRR	LE	4	4	4	21	14S	37E	668190	3662001*	203	106	97
L 00324		IRR	LE	2	1	2	15	14S	37E	669343	3665034*	150		
L 00324 S		IRR	LE	3	1	2	15	14S	37E	669143	3664834*	150		
L 00328		IRR	LE		1	3	27	14S	37E	668517	3660900*	190		
L 00328 POD9		EXP	LE	3	3	3	27	14S	37E	668424	3660397*	220	115	105
L 00328 POD9		IRR	LE	3	3	3	27	14S	37E	668424	3660397*	220	115	105
L 00328 S		IRR	LE		2	3	27	14S	37E	668920	3660906*	190		
L 00328 S2		IRR	LE	1	3	1	34	14S	37E	668440	3659792*	190	85	105
L 00328 S3		IRR	LE	3	3	3	27	14S	37E	668424	3660397*	194	104	90
L 00328 S5		IRR	LE		2	2	27	14S	37E	669710	3661723*	200		
L 00342		IRR	LE	1	1	1	04	14S	37E	666671	3668217*	260	60	200
L 00342 S 2		IRR	LE	4	1	1	04	14S	37E	666871	3668017*	220		
L 00342 S-3		IRR	LE	1	1	2	04	14S	37E	667475	3668229*	262	262	0
L 00389 ETAL S3		IRR	LE	3	1	1	02	14S	37E	669889	3668065*	225	115	110
L 00389 EXPLORE		IRR	LE	3	1	1	02	14S	37E	669889	3668065*	225	115	110
L 00474		IRR	LE	3	1	2	13	14S	37E	672364	3664880*	150		
L 00474 S		IRR	LE	2	1	2	13	14S	37E	672564	3665080*	203	105	98
L 00475		IRR	LE	3	1	4	13	14S	37E	672380	3664076*	145		
L 00477		IRR	LE		1	1	22	14S	37E	668469	3663315*	128		
L 00477 EXPL		IRR	LE	2	1	1	22	14S	37E	668568	3663414*	193	93	100

***UTM location was derived from PLSS - see Help**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 00477 S-2		IRR	LE	2	1	1	22	14S	37E	668568	3663414*	185	80	105
L 00485		IRR	LE	1	1	3	13	14S	37E	671575	3664265*	130		
L 00526 L527COMBS3		IRR	LE	4	4	1	05	14S	37E	665670	3667599*	253	77	176
L 00592		IRR	LE	1	1	1	14	14S	37E	669950	3665047*	201	100	101
L 00604 EXPLORE		IRR	LE	4	1	1	25	14S	37E	671821	3661652*	150		
L 00604 S-3		IRR	LE	1	3	3	25	14S	37E	671644	3660646*	165		
L 00604 S-4		IRR	LE	4	1	1	25	14S	37E	671821	3661652*	150		
L 00606		IRR	LE	1	3	2	32	14S	37E	666026	3659757*	142		
L 00625		IRR	LE			1	11	14S	37E	670229	3666355*	260		
L 00625 A COMB S		IRR	LE	1	1	2	11	14S	37E	670724	3666667*	245	100	145
L 00625 A COMB S2		IRR	LE	4	4	2	11	14S	37E	671334	3666071*	220	100	120
L 00625 A COMB S5		IRR	LE	1	4	1	12	14S	37E	671938	3666282*	250		
L 00625 COMB S 6		IRR	LE	3	2	2	11	14S	37E	671126	3666473*	211	80	131
L 00625 S		IRR	LE	2	4	1	11	14S	37E	670529	3666259*	245	80	165
L 00626		IRR	LE	1	1	3	01	14S	37E	671513	3667483*	208	80	128
L 00626 A		IRR	LE	1	1	1	12	14S	37E	671528	3666679*	205	80	125
L 00626 S		IRR	LE	3	2	3	01	14S	37E	671915	3667288*	207	80	127
L 00673 S4		IRR	LE	3	2	2	14	14S	37E	671157	3664864*	220		
L 00763		IRR	LE	1	1	2	21	14S	37E	667564	3663402*	135		
L 00763 S		IRR	LE	1	3	2	21	14S	37E	667572	3662999*	100	75	25
L 00763 S2		IRR	LE	2	3	2	21	14S	37E	667772	3662999*	187	100	87
L 00954		DOM	LE	3	2	1	20	14S	37E	665553	3663173*			
L 01092 APPRO		PRO	CH		3	4	35	14S	37E	670971	3658925*	75	75	0
L 01096 APPRO		PRO	LE		2	2	34	14S	37E	669741	3660114*	110		
L 01155		DOM	LE	2	4	4	04	14S	37E	668094	3667028*	100	40	60
L 01223		DOM	LE		4	2	29	14S	37E	666498	3661273*	80	32	48
L 01223 REPAR		DOM	LE		4	2	29	14S	37E	666498	3661273*	120	75	45
L 01234 APPRO		PRO	LE		4	2	34	14S	37E	669749	3659711*	130	45	85
L 01299 APPRO		DOM	LE	3	2	1	20	14S	37E	665553	3663173*	80		
L 01299 REPAR		DOM	LE	3	2	1	20	14S	37E	665553	3663173*	90	55	35
L 01304 APPRO		DOM	LE		2	3	31	14S	37E	664124	3659226*	80	45	35
L 01318 APPRO		DOM	LE	4	2	2	21	14S	37E	668166	3663208*	85	38	47

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(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 01334 APPRO		PRO	LE			4 4	27	14S	37E	669733	3660516*	103	50	53
L 01343 APPRO		STK	LE			4	05	14S	37E	666186	3667102*	130	40	90
L 01402 APPRO		STK	LE	3	1	3	32	14S	37E	665230	3659143*	80	45	35
L 01403 APPRO		STK	LE	2	4	3	36	14S	37E	672278	3659043*	85	39	46
L 01440 APPRO		PRO	LE			1 2	34	14S	37E	669338	3660108*	110	45	65
L 01468 APPRO		PRO	LE			1 4	02	14S	37E	670809	3667373*	110	46	64
L 01488 APPRO		PRO	LE			4 1	35	14S	37E	670553	3659724*	115	36	79
L 01560 APPRO		PRO	LE	4	3	3	35	14S	37E	670265	3658812*	120	33	87
L 01562 APPRO		PRO	LE			3 2	26	14S	37E	670925	3661339*	110	45	65
L 01573 APPRO		PRO	LE			3 4	35	14S	37E	670971	3658925*	60	30	30
L 01661		DOM	LE			2 1	08	14S	37E	665591	3666493*	120	42	78
L 01661 APPRO		DOM	LE			2 1	08	14S	37E	665591	3666493*	120	42	78
L 01661 CPPU		DOM	LE			2 1	08	14S	37E	665591	3666493*	120	42	78
L 01665 APPRO		PRO	LE			4 4	35	14S	37E	671374	3658931*	110	30	80
L 01683		PRO	LE			3 3	36	14S	37E	671776	3658938*	115	55	60
L 01683 APPRO		PRO	LE			3 3	36	14S	37E	671776	3658938*	115	55	60
L 01686 APPRO		PRO	LE			4 4	27	14S	37E	669733	3660516*	115	50	65
L 01800		PRO	LE			1 4	26	14S	37E	670933	3660937*	110	50	60
L 01800 APPRO		PRO	LE			1 4	26	14S	37E	670933	3660937*	110	50	60
L 01839		PRO	LE	3	2	4	27	14S	37E	669624	3660818*	83	45	38
L 01839 APPRO		PRO	LE	3	2	4	27	14S	37E	669624	3660818*	83	45	38
L 01942		PRO	LE			3 3	35	14S	37E	670166	3658913*	110	55	55
L 01942 APPRO		PRO	LE			3 3	35	14S	37E	670166	3658913*	110	55	55
L 02085		PRO	LE			1 4	36	14S	37E	672574	3659352*	112	50	62
L 02085 APPRO		PRO	LE			1 4	36	14S	37E	672574	3659352*	112	50	62
L 02095 APPRO		PRO	LE			4 3	14	14S	37E	670476	3663747*			
L 02116		PRO	LE			2 3	36	14S	37E	672171	3659346*	112	50	62
L 02116 APPRO		PRO	LE			2 3	36	14S	37E	672171	3659346*	112	50	62
L 02129 APPRO		PRO	LE			4 4	26	14S	37E	671343	3660541*	110	33	77
L 02130		PRO	LE			4 1	26	14S	37E	670523	3661333*	110	34	76
L 02130 APPRO		PRO	LE			4 1	26	14S	37E	670523	3661333*	110	34	76
L 02140		PRO	LE	3	1	1	03	14S	37E	668279	3668040*	120	55	65

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POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 02140 APPRO		PRO	LE	3	1	1	03	14S	37E	668279	3668040*	120	55	65
L 02159		PRO	LE		4	4	26	14S	37E	671343	3660541*	110	33	77
L 02159 APPRO		PRO	LE		4	4	26	14S	37E	671343	3660541*	110	33	77
L 02207		PRO	LE			3	26	14S	37E	670337	3660723*	110	45	65
L 02207 APPRO		PRO	LE			3	26	14S	37E	670337	3660723*	110	45	65
L 02221		PRO	LE		1	4	26	14S	37E	670933	3660937*	131	50	81
L 02221 APPRO		PRO	LE		1	4	26	14S	37E	670933	3660937*	131	50	81
L 02222		PRO	LE		2	4	35	14S	37E	671366	3659334*	130	50	80
L 02222 APPRO		PRO	LE		2	4	35	14S	37E	671366	3659334*	130	50	80
L 02235		PRO	LE		4	3	26	14S	37E	670538	3660528*	65	30	35
L 02235 APPRO		PRO	LE		4	3	26	14S	37E	670538	3660528*	65	30	35
L 02237		PRO	LE		2	1	26	14S	37E	670515	3661735*	118	32	86
L 02237 APPRO		PRO	LE		2	1	26	14S	37E	670515	3661735*	118	32	86
L 02254		PRO	LE		1	1	26	14S	37E	670113	3661729*	105	55	50
L 02254 APPRO		PRO	LE		1	1	26	14S	37E	670113	3661729*	105	55	50
L 02289		DOM	LE	2	2	4	28	14S	37E	668214	3660994*	124	65	59
L 02289 APPRO		DOM	LE	2	2	4	28	14S	37E	668214	3660994*	105	45	60
L 02289 CLW		DOM	LE	2	2	4	28	14S	37E	668214	3660994*	124	65	59
L 02294		PRO	LE				27	14S	37E	669128	3661101*	120	50	70
L 02294 APPRO		PRO	LE				27	14S	37E	669128	3661101*	120	50	70
L 02297		PRO	LE		2	2	35	14S	37E	671351	3660138*	105	55	50
L 02297 APPRO		PRO	LE		2	2	35	14S	37E	671351	3660138*	105	55	50
L 02299		PRO	LE		3	3	25	14S	37E	671745	3660547*	107	41	66
L 02299 APPRO		PRO	LE		3	3	25	14S	37E	671745	3660547*	107	41	66
L 02304		PRO	LE		3	3	23	14S	37E	670105	3662132*	105	46	59
L 02304 APPRO		PRO	LE		3	3	23	14S	37E	670105	3662132*	105	46	59
L 02305		DOM	LE		3	1	27	14S	37E	668509	3661303*	100	60	40
L 02305 APPRO		DOM	LE		3	1	27	14S	37E	668509	3661303*	100	60	40
L 02334		PRO	LE		1	1	36	14S	37E	671753	3660144*	110	55	55
L 02334 APPRO		PRO	LE		1	1	36	14S	37E	671753	3660144*	110	55	55
L 02335		PRO	LE		1	1	25	14S	37E	671722	3661753*	110	55	55
L 02335 APPRO		PRO	LE		1	1	25	14S	37E	671722	3661753*	110	55	55

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POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng		X	Y	Depth Well	Depth Water	Water Column
L 02337		PRO	LE		1	1	25	14S	37E	✓	671722	3661753*	110	55	55
L 02337 APPRO		PRO	LE		1	1	25	14S	37E		671722	3661753*	110	55	55
L 02409		DOM	LE	3	3	3	22	14S	37E		668392	3662007*	110	48	62
L 02409 APPRO		DOM	LE	3	3	3	22	14S	37E		668392	3662007*	110	48	62
L 02421		PRO	LE		3	1	26	14S	37E		670120	3661327*	110	40	70
L 02421 APPRO		PRO	LE		3	1	26	14S	37E		670120	3661327*	110	40	70
L 02472		PRO	LE		4	1	26	14S	37E		670523	3661333*	73	32	41
L 02472 APPRO		PRO	LE		4	1	26	14S	37E		670523	3661333*	73	32	41
L 02473		PRO	LE		4	1	36	14S	37E		672163	3659748*	120	55	65
L 02473 APPRO		PRO	LE		4	1	36	14S	37E		672163	3659748*	120	55	65
L 02475 APPRO		PRO	LE		3	3	24	14S	37E		671714	3662156*	100		
L 02476		PRO	LE		3	3	24	14S	37E		671714	3662156*	120	68	52
L 02476 APPRO		PRO	LE		3	3	24	14S	37E		671714	3662156*	120	68	52
L 02517		PRO	LE	3	3	1	25	14S	37E	✓	671629	3661250*	110	45	65
L 02517 APPRO		PRO	LE	3	3	1	25	14S	37E	✓	671629	3661250*	110	45	65
L 02518		PRO	LE		4	2	26	14S	37E		671328	3661345*	125	45	80
L 02518 APPRO		PRO	LE		4	2	26	14S	37E		671328	3661345*	125	45	80
L 02531		PRO	LE		3	1	36	14S	37E		671761	3659742*	115	50	65
L 02531 APPRO		PRO	LE		3	1	36	14S	37E		671761	3659742*	115	50	65
L 02532		DOM	LE	3	3	3	15	14S	37E		668360	3663616*	85	50	35
L 02532 APPRO		DOM	LE	3	3	3	15	14S	37E		668360	3663616*	85	50	35
L 02592		DOM	LE	3	4	4	20	14S	37E		666381	3661977*	90		
L 02592 APPRO		DOM	LE	3	4	4	20	14S	37E		666381	3661977*	90		
L 02605		PRO	LE	3	2	3	25	14S	37E	✓	672039	3660854*	110	55	55
L 02605 APPRO		PRO	LE	3	2	3	25	14S	37E		672039	3660854*	110	55	55
L 02620		PRO	LE	3	1	1	26	14S	37E		670012	3661628*	108	32	76
L 02620 APPRO		PRO	LE	3	1	1	26	14S	37E		670012	3661628*	108	32	76
L 02627		PRO	LE	4	4	4	27	14S	37E		669832	3660415*	110	40	70
L 02627 APPRO		PRO	LE	4	4	4	27	14S	37E		669832	3660415*	110	40	70
L 02650		PRO	LE	4	3	3	25	14S	37E	✓	671844	3660446*	105	60	45
L 02650 APPRO		PRO	LE	4	3	3	25	14S	37E	✓	671844	3660446*	105	60	45
L 02693		DOM	LE	3	3	3	31	14S	37E		663620	3658717*	100	55	45

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(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 02693 APPRO		DOM	LE	3	3	3	31	14S	37E	663620	3658717*	100	55	45
L 02714		PRO	LE		4	1	25	14S	37E	672132	3661357*	107	55	52
L 02714 APPRO		PRO	LE		4	1	25	14S	37E	672132	3661357*	107	55	52
L 02731		PRO	LE		2	2	27	14S	37E	669710	3661723*	115	70	45
L 02731 APPRO		PRO	LE		2	2	27	14S	37E	669710	3661723*	115	70	45
L 02748		PRO	LE	3	3	1	25	14S	37E	671629	3661250*	108	48	60
L 02748 APPRO		PRO	LE	3	3	1	25	14S	37E	671629	3661250*	108	48	60
L 02754		PRO	LE		4	4	23	14S	37E	671312	3662150*	110	48	62
L 02754 APPRO		PRO	LE		4	4	23	14S	37E	671312	3662150*	110	48	62
L 02763		PRO	LE		2	4	36	14S	37E	672976	3659358*	100	40	60
L 02763 APPRO		PRO	LE		2	4	36	14S	37E	672976	3659358*	100	40	60
L 02874		DOM	LE	4	3	3	17	14S	37E	665342	3663570*	100	47	53
L 02874 APPRO		DOM	LE	4	3	3	17	14S	37E	665342	3663570*	100	47	53
L 02884		PRO	LE		3	2	25	14S	37E	672535	3661363*	115	50	65
L 02884 APPRO		PRO	LE		3	2	25	14S	37E	672535	3661363*	115	50	65
L 02944		DOM	LE	4	4	3	07	14S	37E	664103	3665159*	110	55	55
L 02944 APPRO		DOM	LE	4	4	3	07	14S	37E	664103	3665159*	110	55	55
L 02953		PRO	LE		2	4	36	14S	37E	672976	3659358*	120	65	55
L 02953 APPRO		PRO	LE		2	4	36	14S	37E	672976	3659358*	120	65	55
L 02973		DOM	LE	1	3	4	13	14S	37E	672387	3663874*	100	62	38
L 02973 APPRO		DOM	LE	1	3	4	13	14S	37E	672387	3663874*	100	62	38
L 03034		DOM	LE	1	1	1	02	14S	37E	669889	3668265*	130	55	75
L 03034 APPRO		DOM	LE	1	1	1	02	14S	37E	669889	3668265*	130	55	75
L 03296		DOM	LE	2	2	1	01	14S	37E	672100	3668292*	90	50	40
L 03296 APPRO		DOM	LE	2	2	1	01	14S	37E	672100	3668292*	90	50	40
L 03301 APPRO		DOM	LE	2	2	2	21	14S	37E	668166	3663408*			
L 03335		DOM	LE	4	4	2	11	14S	37E	671334	3666071*	100	60	40
L 03335 APPRO		DOM	LE	4	4	2	11	14S	37E	671334	3666071*	100	60	40
L 03414		DOM	LE	1	1	1	04	14S	37E	666671	3668217*	110	55	55
L 03414 APPRO		DOM	LE	1	1	1	04	14S	37E	666671	3668217*	110	55	55
L 03459		PRO	LE		1	1	01	14S	37E	671599	3668188*	110	58	52
L 03459 APPRO		PRO	LE		1	1	01	14S	37E	671599	3668188*	110	58	52

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POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04000		PRO	LE	3	1	4	01	14S	37E	672318	3667293*	120	75	45
L 04264		DOM	LE		2	2	06	14S	37E	664761	3668090*	105	85	20
L 04264 APPRO		DOM	LE		2	2	06	14S	37E	664761	3668090*	110	82	28
L 04264 REPAR		DOM	LE			4	06	14S	37E	664578	3667077*	105	85	20
L 04267		DOM	LE	4	3	3	21	14S	37E	666984	3661983*	100	76	24
L 04267 APPRO		DOM	XX	4	3	3	21	14S	37E	666984	3661983*	100	76	24
L 04338		DOM	LE	2	2	2	21	14S	37E	668166	3663408*	100	86	14
L 04454		STK	LE		3	4	10	14S	37E	669236	3665338*	109	62	47
L 04454 APPRO		STK	LE		3	4	10	14S	37E	669236	3665338*	108	62	46
L 04535		DOM	LE			4	06	14S	37E	664578	3667077*	155	125	30
L 04535 APPRO		DOM	LE			4	06	14S	37E	664578	3667077*	155	125	30
L 04660		STK	LE		2	4	17	14S	37E	666443	3664090*	107	68	39
L 04694		DOM	LE	3	4	1	36	14S	37E	672062	3659647*	122	90	32
L 04694 APPRO		DOM	LE	3	4	1	36	14S	37E	672062	3659647*	122	90	32
L 04792		DOM	LE			3	01	14S	37E	671823	3667183*	100		
L 04792 APPRO		DOM	LE			3	01	14S	37E	671823	3667183*	100	85	15
L 04792 REPAR		DOM	LE			3	01	14S	37E	671823	3667183*	100		
L 05528		DOM	LE		1	2	26	14S	37E	670917	3661741*	100	56	44
L 05589		DOM	LE			1	20	14S	37E	665460	3663067*	118	70	48
L 05600		PRO	LE		4	4	02	14S	37E	671219	3666976*	130	72	58
L 05633		DOM	LE		1	1	03	14S	37E	668380	3668141*	107	75	32
L 05997		DOM	LE				06	14S	37E	664191	3667466*	125	75	50
L 06071		DOM	LE		4	4	26	14S	37E	671343	3660541*	120	85	35
L 06085		DOM	LE		2	4	32	14S	37E	666537	3659261*	90	66	24
L 06232		DOM	LE	1	2	2	23	14S	37E	671188	3663455*	110	80	30
L 06260		PRO	LE		1	2	20	14S	37E	666056	3663280*	130	75	55
L 06262		DOM	LE		3	3	15	14S	37E	668461	3663717*	100	68	32
L 06263		DOM	LE	3	1	4	36	14S	37E	672473	3659251*	100	50	50
L 06270 CLW		DOM	LE	4	4	3	07	14S	37E	664103	3665159*	196	93	103
L 06753		DOM	LE	2	2	2	21	14S	37E	668166	3663408*	105	75	30
L 06899		DOM	LE			3	05	14S	37E	665382	3667091*	110	70	40
L 07010 (E)		PRO	LE	2	4	4	02	14S	37E	671318	3667075*	125	85	40

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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 07258		DOM	LE	2	1	2	15	14S	37E	669343	3665034*	107	73	34
L 07259		DOM	LE	2	3	3	10	14S	37E	668528	3665425*	112	78	34
L 07293		DOM	LE			2	05	14S	37E	666174	3667906*	105	35	70
L 07463		PRO	LE	3	3	3	04	14S	37E	666688	3666811*	140	90	50
L 07593		DOM	LE	3	3	3	15	14S	37E	668360	3663616*	120	88	32
L 08199		DOM	LE		3	4	23	14S	37E	670910	3662144*		80	
L 08211		STK	LE	2	2	2	27	14S	37E	669809	3661822*	130	80	50
L 08240		STK	LE				30	14S	37E	664298	3661030*	102	70	32
L 08270		STK	LE	4	4	4	22	14S	37E	669801	3662025*	130	90	40
L 08494		STK	LE		4	1	22	14S	37E	668880	3662918*	124	90	34
L 09601		PRO	LE		2	4	02	14S	37E	671212	3667378*	160	69	91
L 09814		DOM	LE		3	3	14	14S	37E	670074	3663741*	130	65	65
L 09969		STK	LE			4	25	14S	37E	672751	3660759*	90	75	15
L 10048		STK	LE	2	2	1	18	14S	37E	664111	3664957*	110	84	26
L 10091		STK	LE		2	1	29	14S	37E	665686	3661665*	141	95	46
L 10351		DOM	LE	4	2	2	25	14S	37E	673029	3661670*	120	83	37
L 10709		DOM	LE	1	1	3	02	14S	37E	669904	3667460*	154		
L 10711		DOM	LE			2	19	14S	37E	664656	3663055*	153	114	39
L 10871		DOM	LE		2	2	13	14S	37E	672868	3664987*	150		
L 10920		DOM	LE	3	1	1	27	14S	37E	668400	3661604*	158	70	88
L 11058		DOM	LE	2	1	2	11	14S	37E	670924	3666667*	209		
L 11166		STK	LE	3	2	2	26	14S	37E	671219	3661646*	150	90	60
L 11203		DOM	LE	4	2	2	32	14S	37E	666621	3659965*	140	86	54
L 11239		DOM	LE	1	1	2	26	14S	37E	670816	3661840*	150		
L 11360		DOM	LE	3	1	3	21	14S	37E	666776	3662385*	150		
L 11368		DOM	LE	2	2	2	21	14S	37E	668166	3663408*	180	98	82
L 11870 POD1		DOM	LE	1	1	3	18	14S	37E	663620	3664156	245	95	150
L 11879 POD1		STK	LE	2	4	3	09	14S	37E	667322	3665408*	196		
L 11880 POD1		STK	LE	2	2	2	16	14S	37E	668134	3665017*	195		
L 12187 POD1		DOL	LE	3	3	3	20	14S	37E	665233	3662015	165	105	60
L 12254 POD1		STK	LE	2	2	2	08	14S	37E	666516	3666620	194		
L 12362 POD1		SAN	LE	2	2	2	36	14S	37E	673058	3660277	193	95	98

***UTM location was derived from PLSS - see Help**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 12365 POD2		DOL	LE	3	4	4	14	14S	37E	671115	3663668	160	100	60
L 12420 POD1		EXP	LE	2	1	4	18	14S	37E	664512	3664187	253	135	118

Average Depth to Water: **64 feet**

Minimum Depth: **30 feet**

Maximum Depth: **262 feet**

Record Count: 255

PLSS Search:

Township: 14S Range: 37E

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 00018		IRR	LE		1	2	27	14S	38E	678963	3661877*	240		
L 00206		IRR	LE	3	2	2	33	14S	38E	677687	3660146*	220		
L 00206 EXPLORE 1		IRR	LE	3	2	2	33	14S	38E	677687	3660146*	220		
L 00206 EXPLORE 2		IRR	LE		1	2	33	14S	38E	677386	3660240*	220		
L 00206 S		IRR	LE	3	2	4	33	14S	38E	677703	3659342*	196	67	129
L 00206 S2		IRR	LE		1	2	33	14S	38E	677386	3660240*	220		
L 00440		IRR	LE	2	2	1	05	14S	38E	675319	3668345*	180		
L 00448 S4		IRR	LE	3	3	1	07	14S	38E	673146	3666097*	227	144	83
L 00572		IRR	LE	1	1	3	26	14S	38E	679682	3661187*	141		
L 00629 EXPLORE		IRR	LE		3	3	34	14S	38E	678214	3659048*	263	124	139
L 00629 S		IRR	LE	2	1	1	34	14S	38E	678289	3660354*	185	130	55
L 00629 S 3		IRR	LE	1	1	1	34	14S	38E	678089	3660354*	200		
L 00629 S 4		IRR	LE	3	2	1	34	14S	38E	678491	3660161*	254	130	124
L 00647		IRR	LE	3	1	3	26	14S	38E	679682	3660987*	193	116	77
L 00647 S		IRR	LE				26	14S	38E	680393	3661289*	240		
L 00647 S 2		IRR	LE	2	1	2	35	14S	38E	680702	3660397*	240	140	100
L 00694		IRR	LE	4	1	1	19	14S	38E	673400	3663283*	145		
L 00694 S		IRR	LE	1	1	2	19	14S	38E	674005	3663498*	120		
L 00737		IRR	LE	3	1	3	27	14S	38E	678074	3660958*	150		
L 00737 S		IRR	LE			3	27	14S	38E	678384	3660858*	256		
L 00740		IRR	LE	1	1	4	27	14S	38E	678878	3661172*	233	117	116
L 00740 S		IRR	LE	1	3	4	27	14S	38E	678885	3660770*	246	112	134
L 00950		DOM	LE	3	3	3	19	14S	38E	673224	3662077*	80	40	40
L 00965		DOM	LE	4	4	1	27	14S	38E	678668	3661367*	92		
L 00965 APPRO		DOM	LE	4	4	1	27	14S	38E	678668	3661367*	80		
L 00965 REPAR		DOM	LE	4	4	1	27	14S	38E	678668	3661367*	87	55	32
L 00979		DOM	LE	2	1	3	07	14S	38E	673354	3665895*	65		
L 00980		DOM	LE	1	1	3	06	14S	38E	673123	3667503*	55		
L 00981		DOM	LE	2	2	1	05	14S	38E	675319	3668345*	80		

***UTM location was derived from PLSS - see Help**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 01314 APPRO		DOM	LE	3	3	4	19	14S	38E	674028	3662092*	80	40	40
L 01328 APPRO		DOM	LE	3	1	2	19	14S	38E	674005	3663298*	100	65	35
L 01364		DOM	LE	1	1	3	10	14S	38E	677982	3665984*	85	50	35
L 01365 APPRO		DOM	LE	1	1	1	26	14S	38E	679666	3661991*	95	45	50
L 01566 APPRO		DOM	LE		1	4	06	14S	38E	674028	3667419*	84		
L 01566 REPAR		DOM	LE			4	06	14S	38E	674237	3667218*	127	77	50
L 02231		DOM	LE		3	1	28	14S	38E	676558	3661432*	80	45	35
L 02231 APPRO		DOM	LE		3	1	28	14S	38E	676558	3661432*	80	45	35
L 02370		DOM	LE			1	20	14S	38E	675119	3663212*	100	50	50
L 02370 APPRO		DOM	LE			1	20	14S	38E	675119	3663212*	100	50	50
L 02377		DOM	LE	1	1	3	20	14S	38E	674825	3662708*	100	50	50
L 02377 APPRO		DOM	LE	1	1	3	20	14S	38E	674825	3662708*	100	50	50
L 02397		DOM	LE	4	1	4	16	14S	38E	677408	3664160*	110	55	55
L 02397 APPRO		DOM	LE	4	1	4	16	14S	38E	677408	3664160*	110	55	55
L 02398		DOM	LE	3	4	1	16	14S	38E	676797	3664555*	110	55	55
L 02398 APPRO		DOM	LE	3	4	1	16	14S	38E	676797	3664555*	110	55	55
L 02469		STK	LE		1	4	33	14S	38E	677401	3659436*	100	40	60
L 02469 APPRO		STK	LE		1	4	33	14S	38E	677401	3659436*	100	40	60
L 02504		DOM	LE		4	3	21	14S	38E	676945	3662243*	85	40	45
L 02504 APPRO		DOM	LE		4	3	21	14S	38E	676945	3662243*	85	40	45
L 02526		DOM	LE	4	4	3	20	14S	38E	675435	3662113*	100	45	55
L 02526 APPRO		DOM	LE	4	4	3	20	14S	38E	675435	3662113*	100	45	55
L 02576		DOM	LE	3	1	2	33	14S	38E	677285	3660139*	100	50	50
L 02576 APPRO		DOM	LE	3	1	2	33	14S	38E	677285	3660139*	100	50	50
L 02977		DOM	LE	4	2	1	27	14S	38E	678661	3661769*	130	80	50
L 02977 APPRO		DOM	LE	4	2	1	27	14S	38E	678661	3661769*	130	80	50
L 03217		STK	LE	1	1	1	17	14S	38E	674778	3665121*	100	70	30
L 03217 APPRO		STK	LE	1	1	1	17	14S	38E	674778	3665121*	100	70	30
L 03218		DOM	LE	3	3	3	11	14S	38E	679597	3665411*	100	84	16
L 03218 APPRO		DOM	LE	3	3	3	11	14S	38E	679597	3665411*	100	84	16
L 03218 POD3		DOM	LE	3	3	3	11	14S	38E	679597	3665411*	230	100	130
L 03303		DOM	LE	2	2	1	09	14S	38E	676959	3666766*	100	45	55

***UTM location was derived from PLSS - see Help**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng		X	Y	Depth Well	Depth Water	Water Column
L 03303 APPRO		DOM	LE	2	2	1	09	14S	38E		676959	3666766*	100	45	55
L 03327		PRO	LE		1	1	03	14S	38E		678036	3668297*	110	110	0
L 03327 APPRO		PRO	LE		1	1	03	14S	38E		678036	3668297*	110	110	0
L 03364		DOM	LE		1	2	33	14S	38E		677386	3660240*	70	50	20
L 03364 APPRO		DOM	LE		1	2	33	14S	38E		677386	3660240*	70	50	20
L 03396		DOM	LE	4	3	3	19	14S	38E		673424	3662077*	110	60	50
L 03396 APPRO		DOM	LE	4	3	3	19	14S	38E		673424	3662077*	110	60	50
L 03851		PRO	LE		2	2	05	14S	38E		676025	3668261*	101	45	56
L 03851 APPRO		PRO	LE		2	2	05	14S	38E		676025	3668261*	101	45	56
L 05057		STK	LE		3	1	18	14S	38E		673278	3664590*	125	115	10
L 05074		STK	LE			3	33	14S	38E		676806	3659220*	100	90	10
L 05921		STK	LE			4	23	14S	38E		680765	3662509*	118	90	28
L 05967		PRO	LE		2	2	34	14S	38E		679396	3660276*	125	45	80
L 06152		STK	LE	3	4	2	33	14S	38E		677695	3659744*	190		
L 06686 1		DOM	LE		4	4	33	14S	38E		677811	3659041*	75	45	30
L 06686 2		DOM	LE		4	4	33	14S	38E		677811	3659041*	127	78	49
L 06867		DOM	LE				26	14S	38E		680393	3661289*	95	65	30
L 06930		DOM	LE			2	35	14S	38E		680811	3660098*	120	50	70
L 07066		STK	LE				03	14S	38E		678662	3667694*	150	71	79
L 07235		DOM	LE	4	4	1	27	14S	38E		678668	3661367*	105	66	39
L 08029		DOM	LE	3	3	4	35	14S	38E		680525	3658992*	132	71	61
L 08182		DOM	LE		3	4	19	14S	38E	✓	674129	3662193*	128	69	59
L 09213		DOM	LE	1	1	1	23	14S	38E		679635	3663600*	158	95	63
L 10107		DOM	LE		3	4	27	14S	38E		678986	3660671*	160		
L 10233		STK	LE	4	4	4	34	14S	38E		679518	3658969*	173	60	113
L 10285		PRO	LE	2	2	3	27	14S	38E		678676	3661165*	165	70	95
L 10746		DOM	LE	4	4	1	27	14S	38E		678668	3661367*	235		
L 10934		STK	LE	4	4	1	30	14S	38E	✓	673841	3661280*	137		
L 11028		DOM	LE		1	4	16	14S	38E		677309	3664261*	200	100	100
L 11321		DOM	LE	1	3	4	22	14S	38E		678855	3662378*	240		
L 11322		STK	LE	1	1	3	10	14S	38E		677982	3665984*	240		
L 11465		DOM	LE	3	3	3	19	14S	38E		673224	3662077*	175		

***UTM location was derived from PLSS - see Help**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 11546		DOM	LE	1	1	4	35	14S	38E	680517	3659594*	203	80	123
L 11623		STK	LE	2	3	2	02	14S	38E	680557	3668038*	150	70	80
L 11909 POD1		EXP	LE	4	2	2	23	14S	38E			234		
L 12009 POD1		STK	LE	4	2	4	22	14S	38E	679449	3662588*	160		
L 12083 POD1		DOM	LE	4	2	4	14	14S	38E			170	68	102
L 12263 POD1		EXP	LE			2	02	14S	38E	680536	3668195	170		
L 12513 POD1		DOM	LE	4	4	3	30	14S	38E	673852	3660392	215		

Average Depth to Water: **69 feet**

Minimum Depth: **40 feet**

Maximum Depth: **144 feet**

Record Count: 100

PLSS Search:

Township: 14S Range: 38E

***UTM location was derived from PLSS - see Help**

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USGS Water Resources

Data Category: Ground Water | Geographic Area: New Mexico | GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330358103134901
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

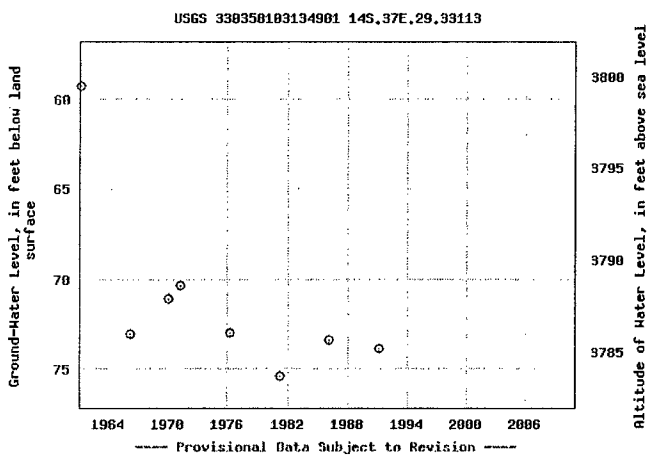
USGS 330358103134901 14S.37E.29.33113

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 33°04'16", Longitude 103°13'50" NAD27
Land-surface elevation 3,858.90 feet above sea level NGVD29
The depth of the well is 118 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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Page Last Modified: 2010-02-22 09:50:25 EST
2.01 1.97 nadww01

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330355103110301
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

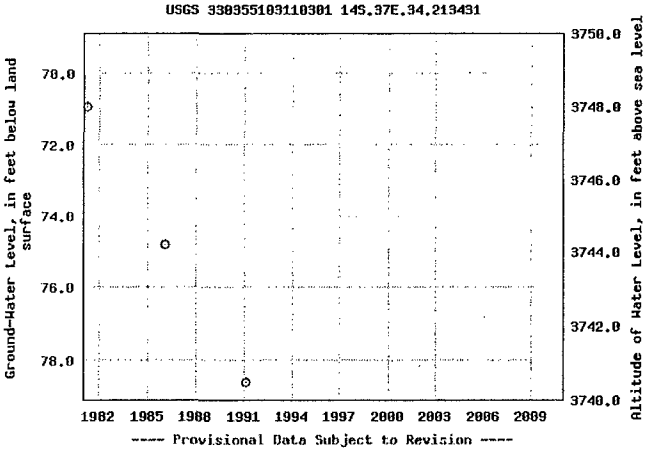
USGS 330355103110301 14S.37E.34.213431

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°03'53", Longitude 103°11'11" NAD27
Land-surface elevation 3,819.00 feet above sea level NGVD29
The depth of the well is 110 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330403103143501
Minimum number of levels = 1

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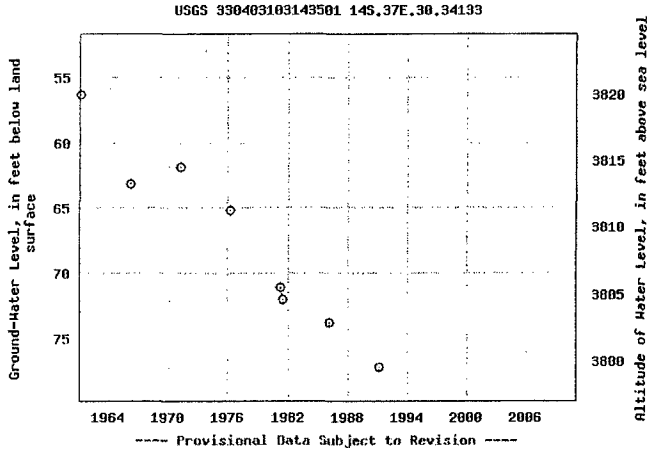
USGS 330403103143501 14S.37E.30.34133

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 33°04'13", Longitude 103°14'37" NAD27
Land-surface elevation 3,876.50 feet above sea level NGVD29
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Title: Ground water for New Mexico: Water Levels
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Page Contact Information: New Mexico Water-Data Support Team
Page Last Modified: 2010-02-22 09:51:14 EST
1.97 1.93 nadww01

USA.gov

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330343103093901
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

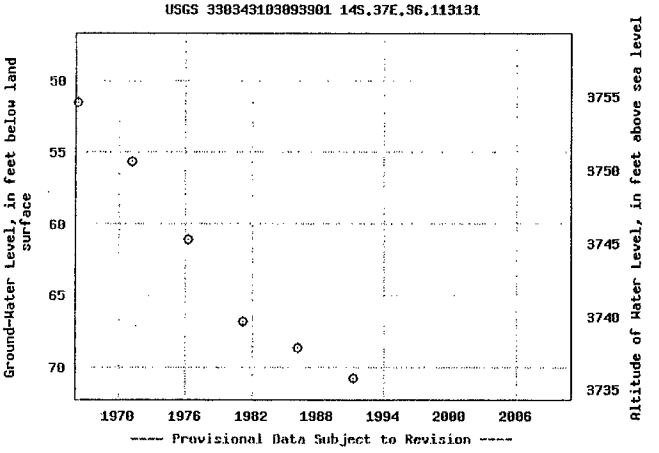
USGS 330343103093901 14S.37E.36.113131

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°03'56", Longitude 103°09'42" NAD27
Land-surface elevation 3,806.30 feet above sea level NGVD29
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Search Results -- 1 sites found

Search Criteria

site_no list = • 330347103131101
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

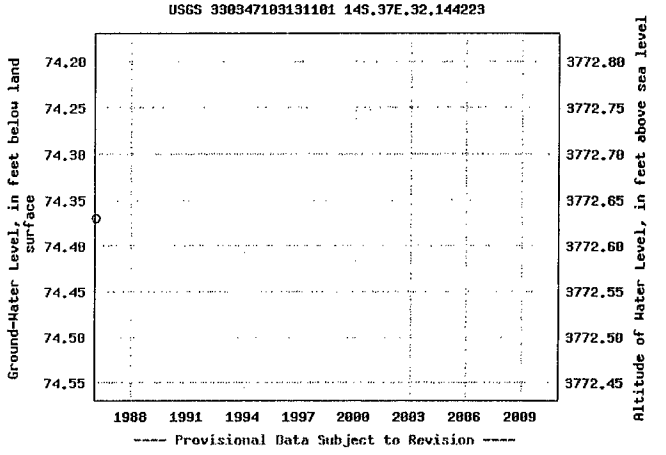
USGS 330347103131101 14S.37E.32.144223

Available data for this site | Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°03'45", Longitude 103°13'21" NAD27
Land-surface elevation 3,847.00 feet above sea level NGVD29
The depth of the well is 112 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Title: Ground water for New Mexico: Water Levels
URL: http://waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water-Data Support Team
Page Last Modified: 2010-02-22 09:51:56 EST
1.95 1.91 nadww01

News - updated January 2010

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330338103130901
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

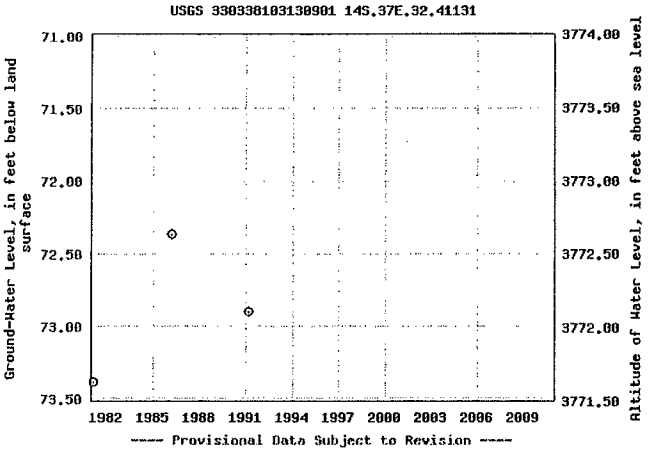
USGS 330338103130901 14S.37E.32.41131

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°03'35", Longitude 103°13'19" NAD27
Land-surface elevation 3,845.00 feet above sea level NGVD29
The depth of the well is 120 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Title: Ground water for New Mexico: Water Levels
URL: http://waterdata.usgs.gov/nm/nwis/gwlevels?

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Page Last Modified: 2010-02-22 09:52:18 EST
1.95 1.92 nadww01

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Data Category: Ground Water | Geographic Area: New Mexico | GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330330103144501
Minimum number of levels = 1

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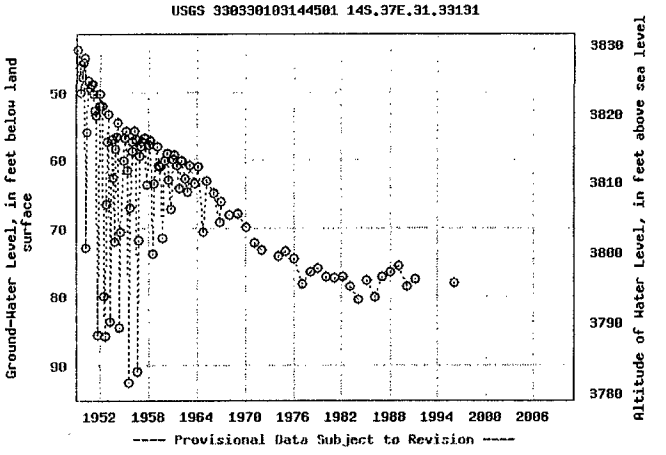
USGS 330330103144501 14S.37E.31.33131

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 33°03'23", Longitude 103°14'54" NAD27
Land-surface elevation 3,873.50 feet above sea level NGVD29
The depth of the well is 130 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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2.08 2.04 nadww01

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Search Results -- 1 sites found

Search Criteria

site_no list = • 330330103144501
Minimum number of levels = 1

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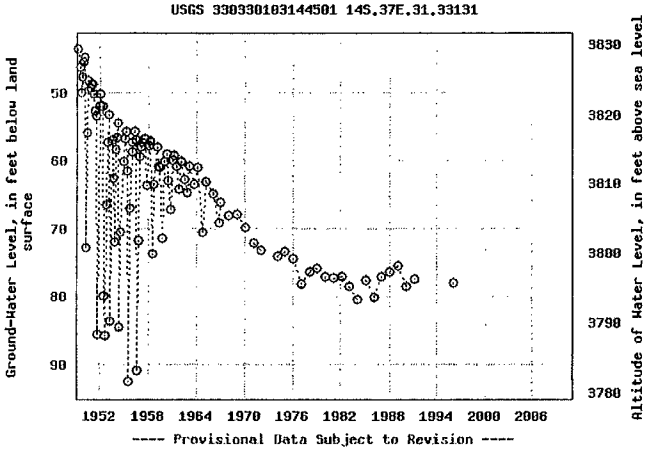
USGS 330330103144501 14S.37E.31.33131

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 33°03'23", Longitude 103°14'54" NAD27
Land-surface elevation 3,873.50 feet above sea level NGVD29
The depth of the well is 130 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Search Results -- 1 sites found

Search Criteria

site_no list = • 330315103090201
Minimum number of levels = 1

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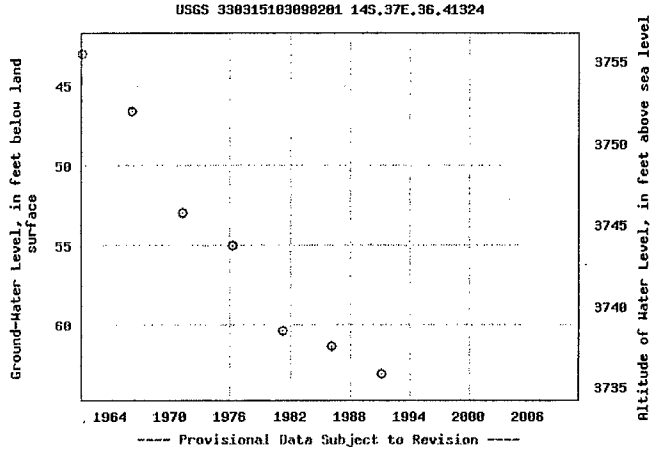
USGS 330315103090201 14S.37E.36.41324

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°03'30", Longitude 103°09'04" NAD27
Land-surface elevation 3,798.70 feet above sea level NGVD29
The depth of the well is 150 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Title: Ground water for New Mexico: Water Levels
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1.98 1.94 nadww01

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Data Category: Ground Water | Geographic Area: New Mexico | GO

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Search Results -- 1 sites found

Search Criteria

site_no list = • 330314103101601
Minimum number of levels = 1

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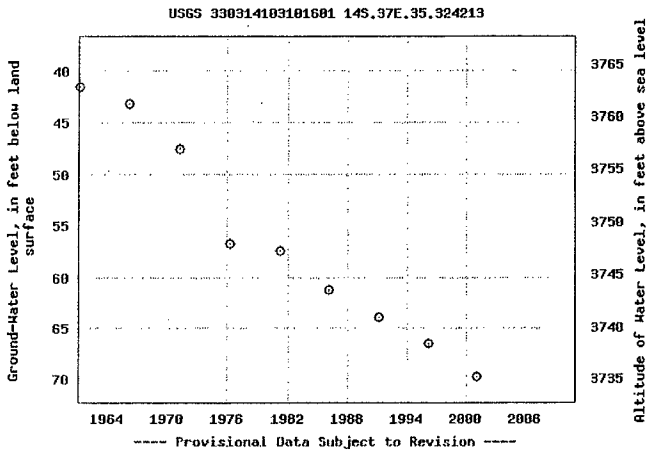
USGS 330314103101601 14S.37E.35.324213

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°03'32", Longitude 103°10'19" NAD27
Land-surface elevation 3,804.60 feet above sea level NGVD29
The depth of the well is 120 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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2.08 1.95 nadww01

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Data Category: Ground Water | Geographic Area: New Mexico | GO

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Search Results -- 1 sites found

Search Criteria

site_no list = • 330322103114401
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

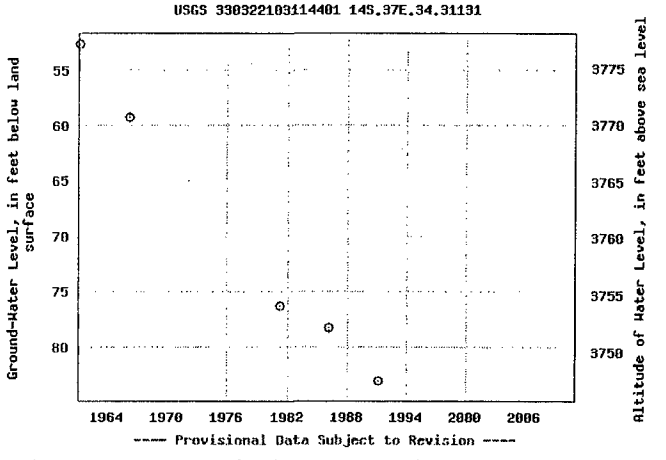
USGS 330322103114401 14S.37E.34.31131

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080003
Latitude 33°03'35", Longitude 103°11'46" NAD27
Land-surface elevation 3,830.10 feet above sea level NGVD29
The depth of the well is 135 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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1.98 1.92 nadww01

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Data Category: Ground Water GO | Geographic Area: New Mexico GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330412103093301
Minimum number of levels = 1

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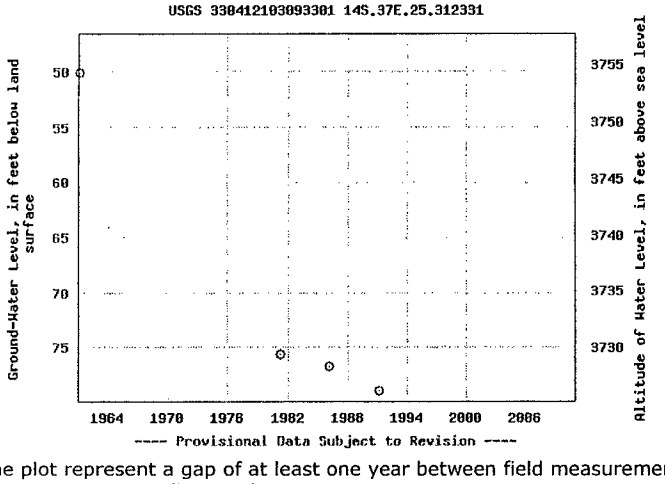
USGS 330412103093301 14S.37E.25.312331

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'26", Longitude 103°09'35" NAD27
Land-surface elevation 3,804.70 feet above sea level NGVD29
The depth of the well is 130 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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1.95 1.91 nadww01

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Data Category: Ground Water GO | Geographic Area: New Mexico GO

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Search Results -- 1 sites found

Search Criteria

site_no list = • 330426103104501
Minimum number of levels = 1

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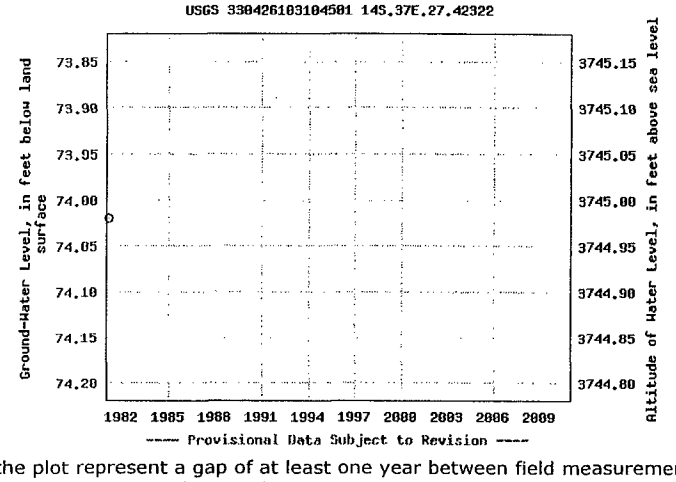
USGS 330426103104501 14S.37E.27.42322

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°04'24", Longitude 103°10'53" NAD27
Land-surface elevation 3,819.00 feet above sea level NGVD29
The depth of the well is 83 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Data Category: Ground Water | Geographic Area: New Mexico | GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330430103120501
Minimum number of levels = 1

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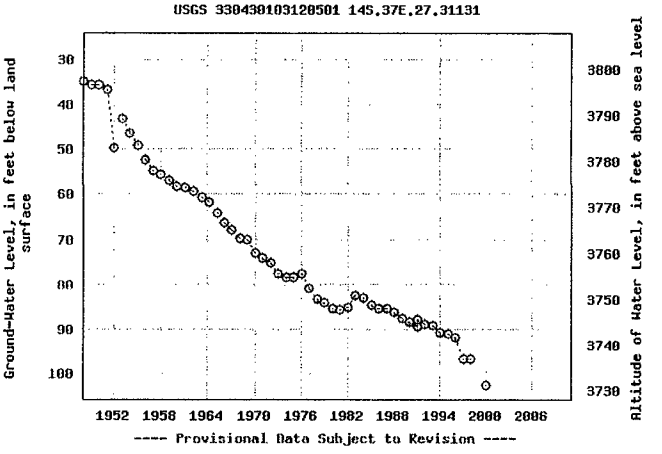
USGS 330430103120501 14S.37E.27.31131

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'28", Longitude 103°11'48" NAD27
Land-surface elevation 3,832.80 feet above sea level NGVD29
The depth of the well is 130 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Title: Ground water for New Mexico: Water Levels
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2 1.96 nadww01

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National Water Information System: Web Interface

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Data Category: Ground Water | Geographic Area: New Mexico | GO

News - updated January 2010

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330433103123801
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

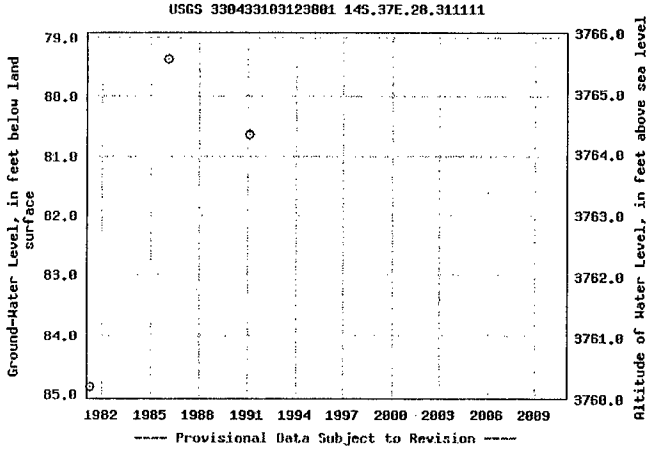
USGS 330433103123801 14S.37E.28.311111

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°04'31", Longitude 103°12'48" NAD27
Land-surface elevation 3,845.00 feet above sea level NGVD29
The depth of the well is 218 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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1.98 1.95 nadww01

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Data Category: Ground Water | Geographic Area: New Mexico | GO

News - updated January 2010

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330443103093701
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

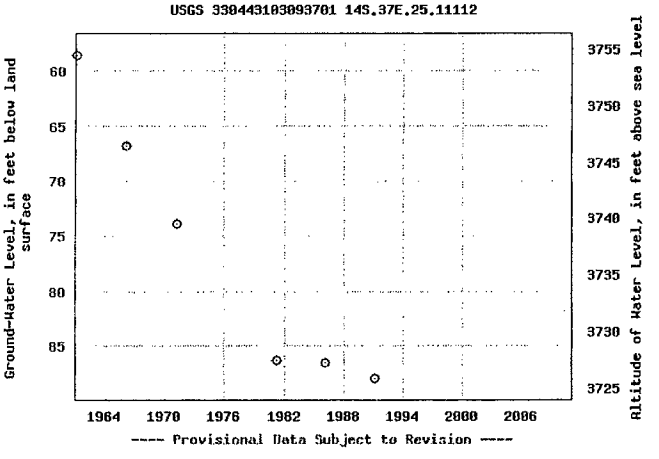
USGS 330443103093701 14S.37E.25.11112

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'56", Longitude 103°09'40" NAD27
Land-surface elevation 3,813.40 feet above sea level NGVD29
The depth of the well is 131 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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Data Category: Ground Water | Geographic Area: New Mexico | GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330443103131701
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

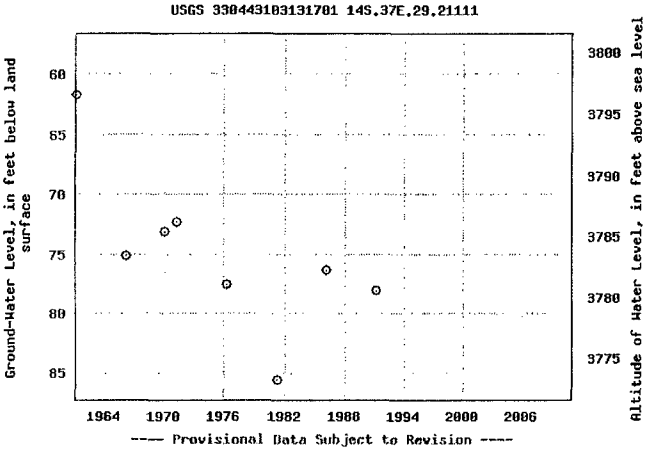
USGS 330443103131701 14S.37E.29.21111

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'57", Longitude 103°13'19" NAD27
Land-surface elevation 3,858.50 feet above sea level NGVD29
The depth of the well is 226 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Page Contact Information: New Mexico Water-Data Support Team
Page Last Modified: 2010-02-22 10:04:57 EST
2.02 1.98 nadww01

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Data Category: Ground Water GO | Geographic Area: New Mexico GO

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Search Results -- 1 sites found

Search Criteria

site_no list = • 330440103111201
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

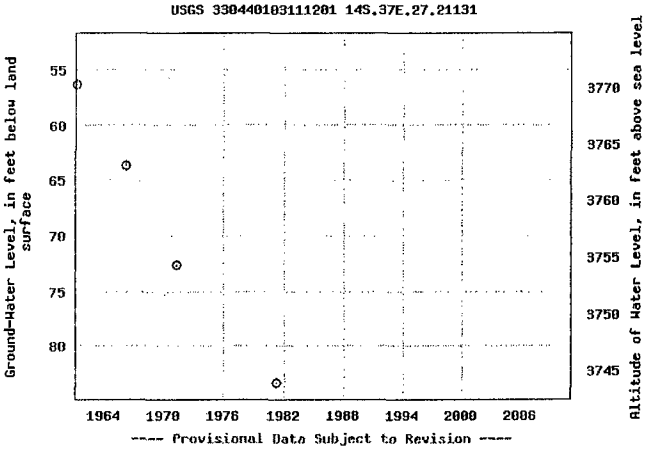
USGS 330440103111201 14S.37E.27.21131

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'53", Longitude 103°11'15" NAD27
Land-surface elevation 3,826.90 feet above sea level NGVD29
The depth of the well is 135 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Data Category: Ground Water | Geographic Area: New Mexico GO

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Search Results -- 1 sites found

Search Criteria

site_no list = • 330442103121501
Minimum number of levels = 1

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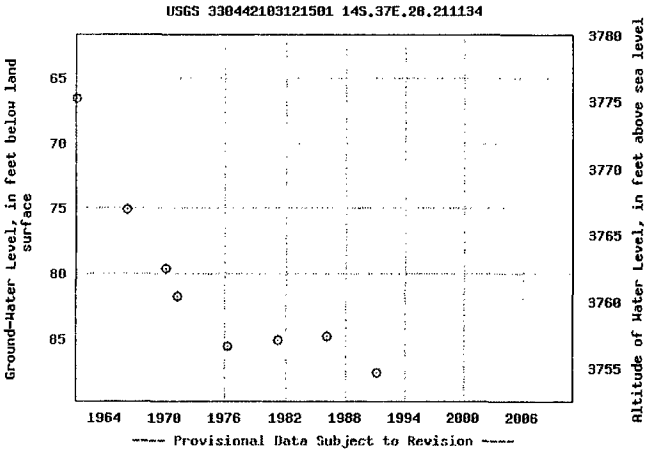
USGS 330442103121501 14S.37E.28.211134

Available data for this site | Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'55", Longitude 103°12'16" NAD27
Land-surface elevation 3,842.00 feet above sea level NGVD29
The depth of the well is 170 feet below land surface.
This well *is completed in* the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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1.96 1.92 nadww01

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Data Category: Ground Water | Geographic Area: New Mexico GO

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Search Criteria

site_no list = • 330451103131801
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

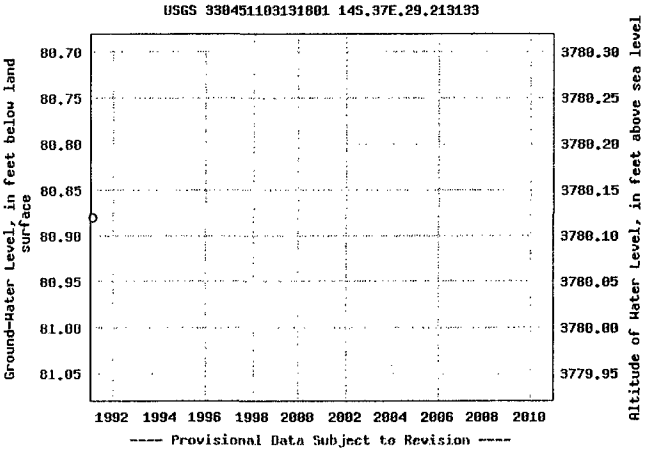
USGS 330451103131801 14S.37E.29.213133

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°04'51", Longitude 103°13'18" NAD27
Land-surface elevation 3,861 feet above sea level NGVD29
The depth of the well is 196 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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USGS Water Resources

Data Category: Ground Water | Geographic Area: New Mexico | GO

News - updated January 2010

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330458103120801
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

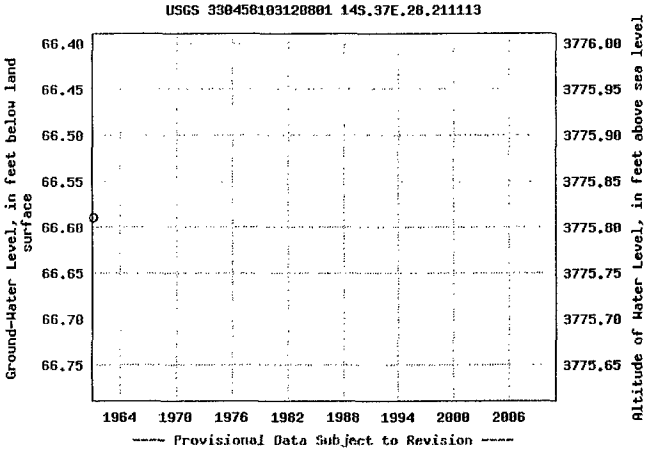
USGS 330458103120801 14S.37E.28.211113

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°04'56", Longitude 103°12'17" NAD27
Land-surface elevation 3,842.40 feet above sea level NGVD29
The depth of the well is 115 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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U.S. Department of the Interior | U.S. Geological Survey
Title: Ground water for New Mexico: Water Levels
URL: http://waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water-Data Support Team
Page Last Modified: 2010-02-22 10:06:29 EST
1.97 1.94 nadww01

USA.gov

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Data Category: Ground Water | Geographic Area: New Mexico GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330500103083401
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

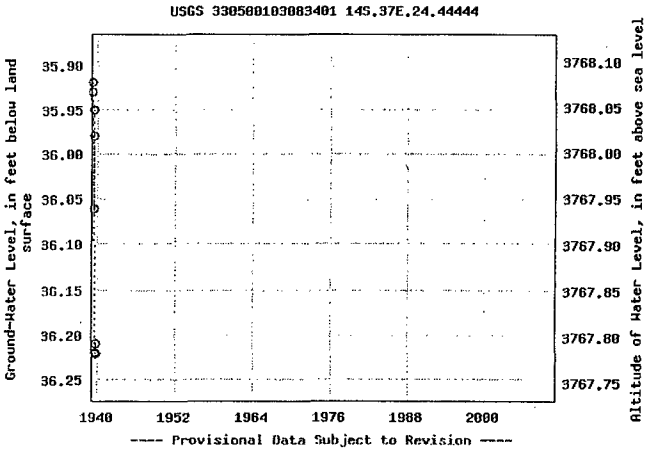
USGS 330500103083401 14S.37E.24.44444

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°04'58", Longitude 103°08'42" NAD27
Land-surface elevation 3,804.00 feet above sea level NGVD29
The depth of the well is 270 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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1.96 1.93 nadww01

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USGS Water Resources

Data Category: Ground Water GO | Geographic Area: New Mexico GO

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Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 330523103124801
Minimum number of levels = 1

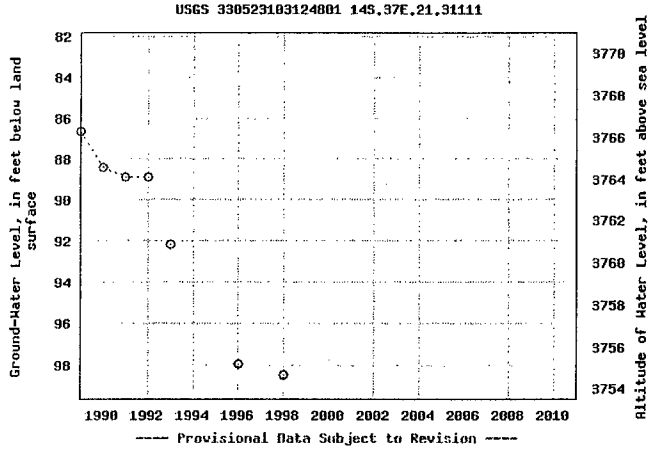
Save file of selected sites to local disk for future upload

USGS 330523103124801 14S.37E.21.31111

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 33°05'23", Longitude 103°12'48" NAD27
Land-surface elevation 3,853 feet above sea level NGVD29

Output formats
Table of data
Tab-separated data
Graph of data
Reselect period



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1.98 1.94 nadww01

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Data Category: Ground Water | Geographic Area: New Mexico | GO

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Search Criteria

site_no list = • 330534103124601
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

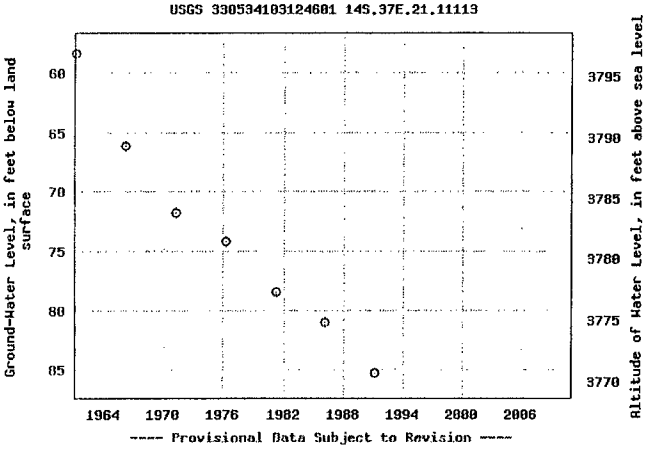
USGS 330534103124601 14S.37E.21.11113

Available data for this site | Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 12080004
Latitude 33°05'47", Longitude 103°12'48" NAD27
Land-surface elevation 3,855.60 feet above sea level NGVD29
The depth of the well is 150 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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U.S. Department of the Interior | U.S. Geological Survey
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1.95 1.92 nadww01

APPENDIX B

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: January 11, 2010

Work Order: 10010706

Project Location: Lea County, NM
Project Name: Stephens & Johnson/Denton Unit. 12-5 Flowline
Project Number: 114-6400323

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
218958	BH-1 3-4	soil	2010-01-04	00:00	2010-01-06
218959	BH-1 5-6	soil	2010-01-04	00:00	2010-01-06
218960	BH-1 10-11	soil	2010-01-04	00:00	2010-01-06
218961	BH-1 15-16	soil	2010-01-04	00:00	2010-01-06
218962	BH-1 20-21	soil	2010-01-04	00:00	2010-01-06
218963	BH-1 25-26	soil	2010-01-04	00:00	2010-01-06
218964	BH-1 30-31	soil	2010-01-04	00:00	2010-01-06
218965	BH-1 35-36	soil	2010-01-04	00:00	2010-01-06
218966	BH-2 2-3	soil	2010-01-04	00:00	2010-01-06
218967	BH-2 5-6	soil	2010-01-04	00:00	2010-01-06
218968	BH-2 10-11	soil	2010-01-04	00:00	2010-01-06
218969	BH-2 15-16	soil	2010-01-04	00:00	2010-01-06
218970	BH-2 20-21	soil	2010-01-04	00:00	2010-01-06
218971	BH-2 25-26	soil	2010-01-04	00:00	2010-01-06
218972	BH-2 30-31	soil	2010-01-04	00:00	2010-01-06
218973	BH-2 35-36	soil	2010-01-04	00:00	2010-01-06
218975	BH-3 2-3	soil	2010-01-04	00:00	2010-01-06
218976	BH-3 5-6	soil	2010-01-04	00:00	2010-01-06
218977	BH-3 10-11	soil	2010-01-04	00:00	2010-01-06
218978	BH-3 15-16	soil	2010-01-04	00:00	2010-01-06
218979	BH-3 20-21	soil	2010-01-04	00:00	2010-01-06
218981	BH-4 5-6	soil	2010-01-04	00:00	2010-01-06
218982	BH-4 10-11	soil	2010-01-04	00:00	2010-01-06
218983	BH-4 15-16	soil	2010-01-04	00:00	2010-01-06
218984	BH-4 20-21	soil	2010-01-04	00:00	2010-01-06
218985	BH-5 5-6	soil	2010-01-04	00:00	2010-01-06
218986	BH-5 10-11	soil	2010-01-04	00:00	2010-01-06
218987	BH-5 15-16	soil	2010-01-04	00:00	2010-01-06
218988	BH-5 20-21	soil	2010-01-04	00:00	2010-01-06
218989	BH-6 5-6	soil	2010-01-04	00:00	2010-01-06

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
218990	BH-6 10-11	soil	2010-01-04	00:00	2010-01-06
218991	BH-6 15-16	soil	2010-01-04	00:00	2010-01-06
218992	BH-6 20-21	soil	2010-01-04	00:00	2010-01-06

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
218958 - BH-1 3-4	<0.100	**1.26**	**3.26**	**9.84**	**434**	**356**
218959 - BH-1 5-6	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
218966 - BH-2 2-3	**6.61**	**54.3**	**49.7**	**117**	**5100**	**3290**
218968 - BH-2 10-11	**2.86**	**32.9**	**33.0**	**75.2**	**4820**	**2570**
218971 - BH-2 25-26	**4.54**	**49.6**	**44.2**	**100**	**4240**	**3100**
218972 - BH-2 30-31	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
218975 - BH-3 2-3	<0.0500	<0.0500	<0.0500	**0.0744**	**137**	**73.3**
218976 - BH-3 5-6	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	**4.69**
218981 - BH-4 5-6					<50.0	<1.00
218982 - BH-4 10-11	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
218983 - BH-4 15-16					<50.0	<1.00
218985 - BH-5 5-6					<50.0	<1.00
218986 - BH-5 10-11	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
218987 - BH-5 15-16					<50.0	<1.00
218989 - BH-6 5-6					<50.0	<1.00
218990 - BH-6 10-11	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
218991 - BH-6 15-16					<50.0	<1.00

Sample: 218958 - BH-1 3-4

Param	Flag	Result	Units	RL
Chloride		**5330**	mg/Kg	4.00

Sample: 218959 - BH-1 5-6

Param	Flag	Result	Units	RL
Chloride		**5430**	mg/Kg	4.00

Sample: 218960 - BH-1 10-11

Param	Flag	Result	Units	RL
Chloride		**6190**	mg/Kg	4.00

Sample: 218961 - BH-1 15-16

continued ...

sample 218961 continued ...

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		**4190**	mg/Kg	4.00

Sample: 218962 - BH-1 20-21

Param	Flag	Result	Units	RL
Chloride		**2940**	mg/Kg	4.00

Sample: 218963 - BH-1 25-26

Param	Flag	Result	Units	RL
Chloride		**817**	mg/Kg	4.00

Sample: 218964 - BH-1 30-31

Param	Flag	Result	Units	RL
Chloride		**567**	mg/Kg	4.00

Sample: 218965 - BH-1 35-36

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218966 - BH-2 2-3

Param	Flag	Result	Units	RL
Chloride		**1990**	mg/Kg	4.00

Sample: 218967 - BH-2 5-6

Param	Flag	Result	Units	RL
Chloride		**311**	mg/Kg	4.00

Sample: 218968 - BH-2 10-11

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218969 - BH-2 15-16

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218970 - BH-2 20-21

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218971 - BH-2 25-26

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218972 - BH-2 30-31

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218973 - BH-2 35-36

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218975 - BH-3 2-3

Param	Flag	Result	Units	RL
Chloride		**447**	mg/Kg	4.00

Sample: 218976 - BH-3 5-6

Param	Flag	Result	Units	RL
Chloride		**334**	mg/Kg	4.00

Sample: 218977 - BH-3 10-11

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218978 - BH-3 15-16

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218979 - BH-3 20-21

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218981 - BH-4 5-6

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218982 - BH-4 10-11

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218983 - BH-4 15-16

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218984 - BH-4 20-21

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218985 - BH-5 5-6

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218986 - BH-5 10-11

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218987 - BH-5 15-16

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218988 - BH-5 20-21

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218989 - BH-6 5-6

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218990 - BH-6 10-11

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218991 - BH-6 15-16

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 218992 - BH-6 20-21

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

APPENDIX C

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd, Aztec, NM 87410
District IV
1220 S St. Francis Dr, Santa Fe, NM 87505

RECEIVED
OCT 30 2009
HOBBSOCD

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
MAR 31 2010
HOBBSOCD

Form C-141
Revised October 10, 2003
Submit 2 Copies toappropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name	Contact
Stephens & Johnson Operating Co.	Bob Gilmore
Address	Telephone No.
P.O. Box 2249 Wichita Falls, Texas 76307-2249	[940] 723-2166
Facility Name	Facility Type
Denton North Wolfcamp Unit	Oil Lease

Surface Owner	Mineral Owner	Lease No.
Issak Bos	Buckley	009782

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	25	14S	37E	1500	South	2000	West	Lea

Latitude 33 deg 4' 21.25N Longitude 103 deg 9'19.83W

NATURE OF RELEASE

API# 30-025-05123-00-00

Type of Release	Volume of Release	Volume Recovered
Flowline leak	Est 5	0
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
DNWCU well No 12-5		9-24-09
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully. *

WATER @ 75'

Describe Cause of Problem and Remedial Action Taken. *

SEE ATTACHED

Describe Area Affected and Cleanup Action Taken. *

SEE ATTACHED

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state or local laws and/or regulations.

Signature: Bob Gilmore

Printed Name: Bob Gilmore

Title: Petroleum Engineer

E-mail Address: bgilmore@sjoc.net

Date: 10/29/09 Phone: [940] 723-2166

OIL CONSERVATION DIVISION

Approved by ENV. ENGINEER: Geoffrey Leking

~~District Supervisor:~~

Approval Date: 11/02/09 Expiration Date: 01/04/10

Conditions of Approval: SUBMIT ALL SAMPLING DATA. SUBMIT 3RD PARTY INVESTIGATION WORKPLAN. DELINEATE TO CLEAN #1. REMEDIATE TO NMOCD REQUIREMENTS. IRP-09-11-2338 Attached ☐

* Attach Additional Sheets If Necessary

fGRL0931451624

Stephens & Johnson Operating Co.
Denton North Wolfcamp Unit Well No. 12-5
Flowline Leak
October 29, 2009

ATTACHMENT TO C-141

Describe Cause of Problem and Remedial Action Taken:

On 9-24-09 Denton North Wolfcamp Unit well No. 12-5 flowline was found to have leaked east of the well located in Sec. 25 14S 37E in Lea County. Well was shut-in, flowline was flushed with fresh water. On 9-28-09 dug up flowline leak and found split in fiberglass on top of line. Dug up an area of approximately 80' x 100' x 10' and hauled contaminated soil to Jay Dan Land Farm Disposal. Due to line being located in irrigated land, flowline has been abandoned and relocated down lease road. Well turned back on using new flowline.

Describe Area Affected and Cleanup Action Taken:

An area of 80' x 100' has been dug out to approximately 10' deep. Samples were taken from area on 10-8-09 with TPH of the samples being 418.1 and chlorides being 96-126 mg/kg. Since the contaminated area has developed larger than expected, it is planned to hire Tetra-Tech Environmental Company and drill test bore holes and find area extent of contamination. Upon test results from bore holes, new plan of action will be forwarded.