TETRA TECH

June 18, 2012

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, NM 88210

Re: Assessment, Remediation, and Closure Request for the Basic Energy Services, Inc., Myrtle Myra Saltwater Disposal, Unit C, Section 21, Township 21 South, Range 27 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech Inc. (Tetra Tech) was contacted by Basic Energy Services, Inc. (Basic) to assess and remediate a release of produced water which occurred at the Myrtle Myra SWD, located in Unit C, Section 21, Township 21 South, Range 27 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.46894°, W 104.1987°. 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 October 2, 2009, with approximately 600 barrels of produced water released, when a charge pump engaged rupturing a 4-inch clamp on the suction line. A total of 590 barrels of fluids were recovered. The C-141 (initial and final) are enclosed in Appendix A.

Hydrology

According to *The New Mexico State Engineers Well Reports*, one domestic water well is located within the same Section as the site. The listed well, located in Section 21, has an average reported depth of 75 feet below ground surface (bgs). No additional water wells were located within the Section. The well reports are shown in Appendix B.

According to the *Geology and Groundwater Resources of Eddy County, New Mexico (Report 3)*, the Rustler and Castile formations (Ochoa Series) are present west and east of the Pecos River. The Rustler and Castile formations consist of anhydrite, gypsum, interbedded sandy clay and beds of dolomite. Groundwater from the Castile and Rustler formations west of the Pecos River is historically high in chloride and sulfate

Tetra Tech
1910 North Big Spring, Midland, TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

concentrations which increase towards the river. The site is located on the eastern edge of the Rustler formation.

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 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, the proposed RRAL for TPH is 1,000 mg/kg.

Soil Assessment and Results

On November 11, 2009, Tetra Tech personnel inspected the site and installed a total of four (4) auger holes (AH-1 to AH-4) to assess the spill area and to determine background levels for chlorides at the site. The spill area is shown on the attached Figure 3. The auger holes were advanced to depths ranging from 1.5 feet to 9.5 feet bgs. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. The results of the sampling are summarized in Table 1.

Referring to Table 1, all of the samples analyzed were below the RRAL for both BTEX and TPH. Chloride concentrations were elevated in auger holes AH-1 through AH-3. The background auger hole AH-4 had chloride concentrations of less than 200 mg/kg.

In order to further delineate the chloride concentrations at the site, Tetra Tech personnel were onsite December 21, 2009, to install 4 backhoe trenches (T-1 to T-4). The trenches were placed adjacent to and named in accordance with the auger holes. Each of the trenches was extended from 10 to 16 feet bgs and samples were collected and submitted for analysis of chlorides. Referring to Table 1, the chlorides remained elevated in trenches T-1 to T-3, with background trench T-4 ranging from less than 200 mg/kg to 309 mg/kg.

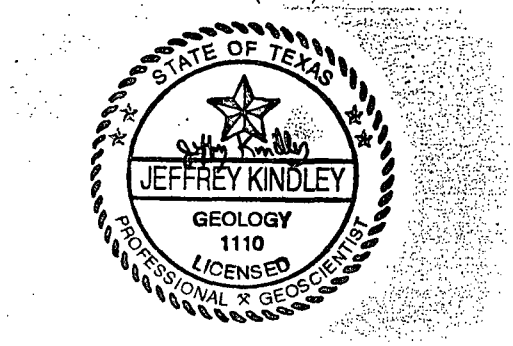
In order to complete delineation of the chloride concentrations at the site, Tetra Tech personnel were onsite March 25 and June 17, 2010, to drill three boreholes (BH-1 to BH-3) at the location. The boreholes were placed adjacent to the trenches and named in accordance with the trenches. The boreholes were extended to a depths ranging from 25 feet to 70 feet bgs. Samples were collected with a split spoon sampler every five feet beginning at 15 to 20 feet bgs and were submitted to the laboratory for analysis of chlorides. Referring to Table 1, the chlorides decreased to near background concentrations in BH-1 at a depth of 15 to 20 feet bgs, at 30 feet bgs in BH-2, and at 65 feet bgs in BH-3. Borehole BH-3, which is located adjacent and south of the original drilling mud pit, had elevated chlorides to a depth of 60 feet bgs. The chloride concentration in BH-3 declined to a low of 968 mg/kg in sandy soil at 25 feet bgs, which immediately increased to 2,620 mg/kg in the underlying clay layer which extends to 40

feet bgs. With the completion of the borings, it appears the chlorides are vertically defined at the site. No groundwater was encountered during drilling activities at the site.

Soil Remediation

As per the August 30, 2010 *Assessment Report and Work Plan*, and incorporated NMOCD comments/recommendations from an email dated September 23, 2010, Basic was onsite September 19 through 23, 2011 to oversee the implementation of the work plan. As part of the work plan, an area measuring 85 feet by 12 feet by 10 feet deep was excavated in the vicinity of BH-1 and BH-2, while a 45 foot by 25 foot by 16 foot deep area was excavated in the area of BH-3. In addition, soil in the area by the meter run and around the former location of the injection pump and associated appurtenances, was scrapped to a depth of 2 feet below the surface pad area. Upon completion of the excavation, two 40-mil polyethylene liners were installed at the site. The first liner measured 45 feet by 25 feet and was installed to a depth of 7 feet below pad surface (approximately 4 feet below natural grade) in the vicinity of BH-3. The second liner, measuring 25 feet by 12 feet to a depth of 8 feet below pad surface (approximately 4 feet below natural grade), was installed in the vicinity of BH-2. See Figure 4 for excavation areas and liner locations. After placement of the liners, the site was backfilled with clean soils and brought up to surface grade. Approximately 1,212 cubic yards of chloride impacted soils were excavated and transported offsite for disposal at Lea Land, Inc. of Carlsbad, New Mexico.

With the placement of the impermeable barriers, the removal of a majority of the chloride impacted soils, and in accordance with the approved work plan, Basic respectfully requests the NMOCD consider closure of the soils at the site. If you require additional information or have any questions or comments, please call either Lyn Sockwell of Basic at (432) 571-8592 or myself at (432) 682-4559.



Respectfully submitted,
TETRA TECH

Jeff Kindley, P.G.
Senior Project Manager

cc: Lyn Sockwell – Basic Energy Services, Inc.

FIGURES

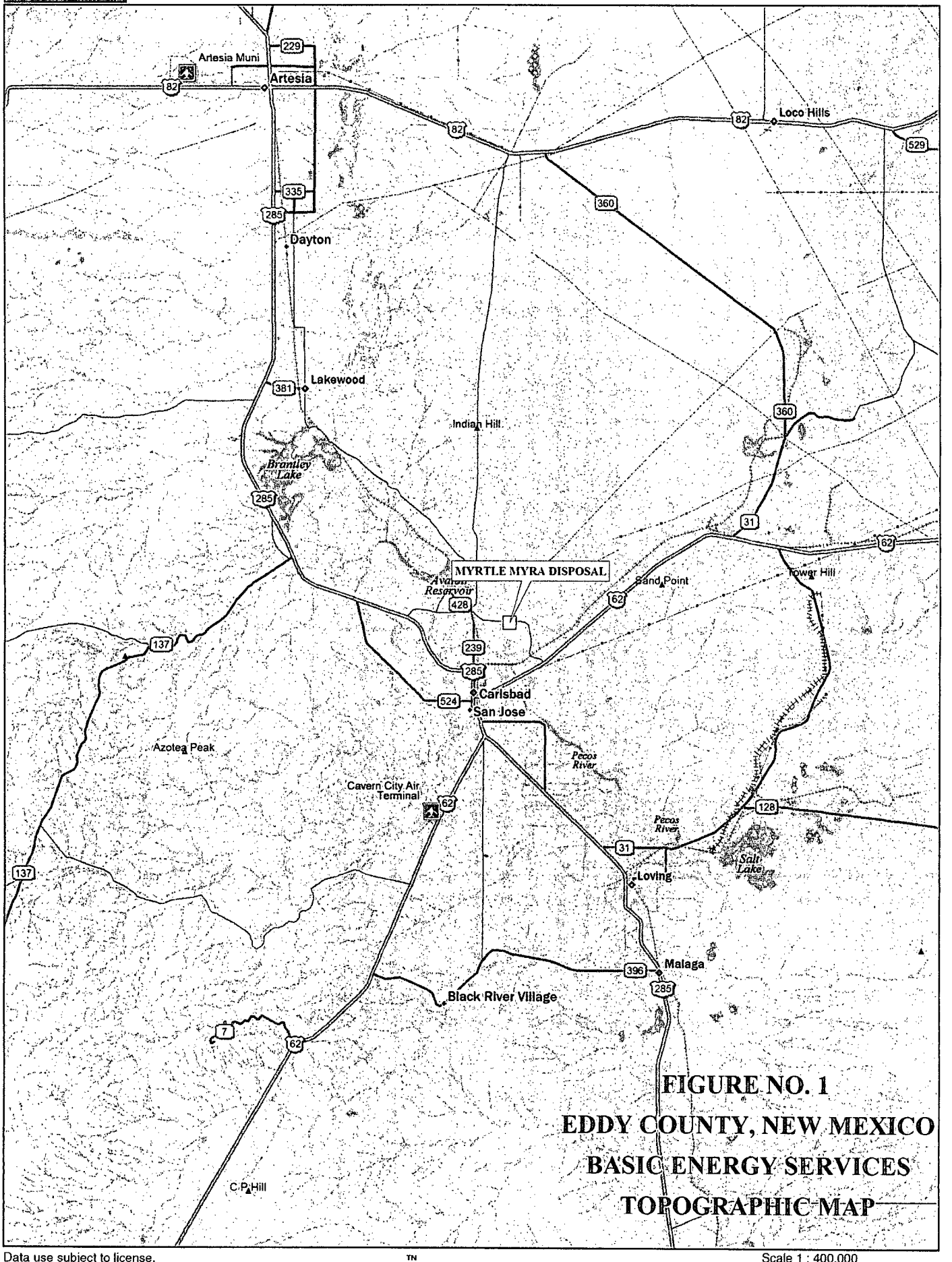


FIGURE NO. 1
EDDY COUNTY, NEW MEXICO
BASIC ENERGY SERVICES
TOPOGRAPHIC MAP

TN
MN (7.8°E)

Scale 1 : 400,000
1" = 6.31 mi
Data Zoom 9-0

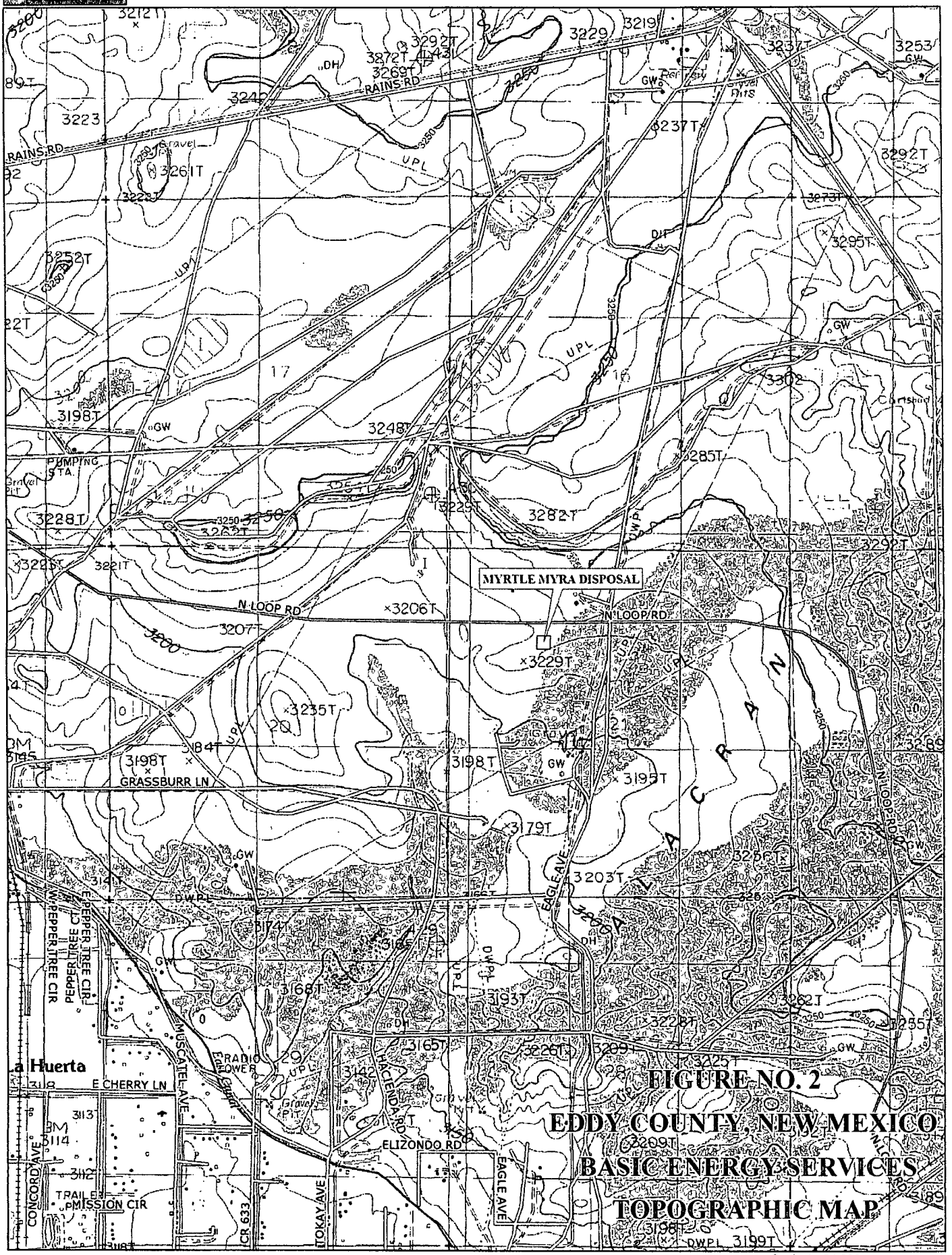
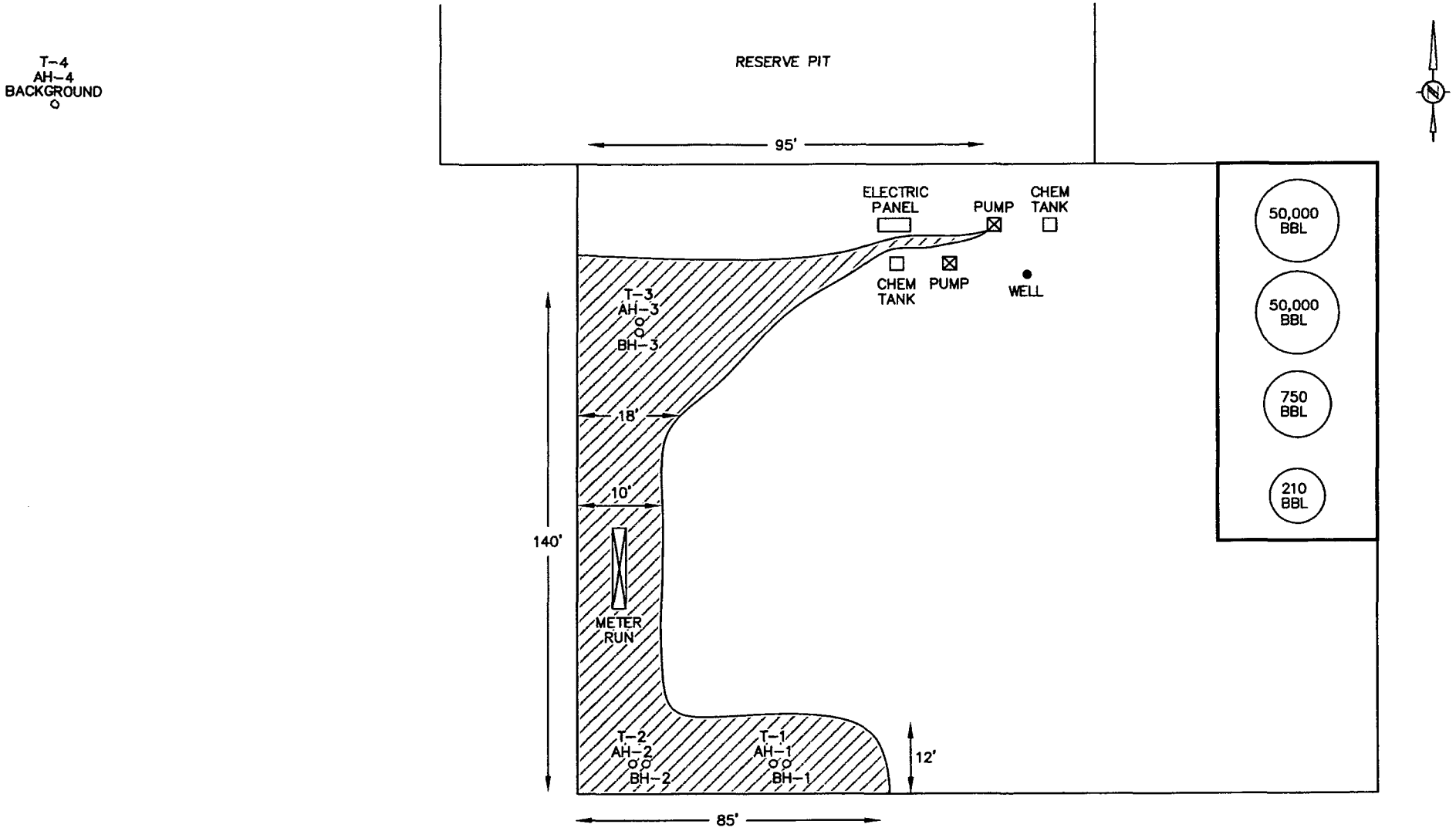


FIGURE NO. 2
EDDY COUNTY, NEW MEXICO
BASIC ENERGY SERVICES
TOPOGRAPHIC MAP

TN
MN (7.8°E)

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



SPILL AREA
SAMPLE LOCATIONS
SAMPLE TRENCH
BORE HOLE SAMPLE LOCATIONS

NOT TO SCALE

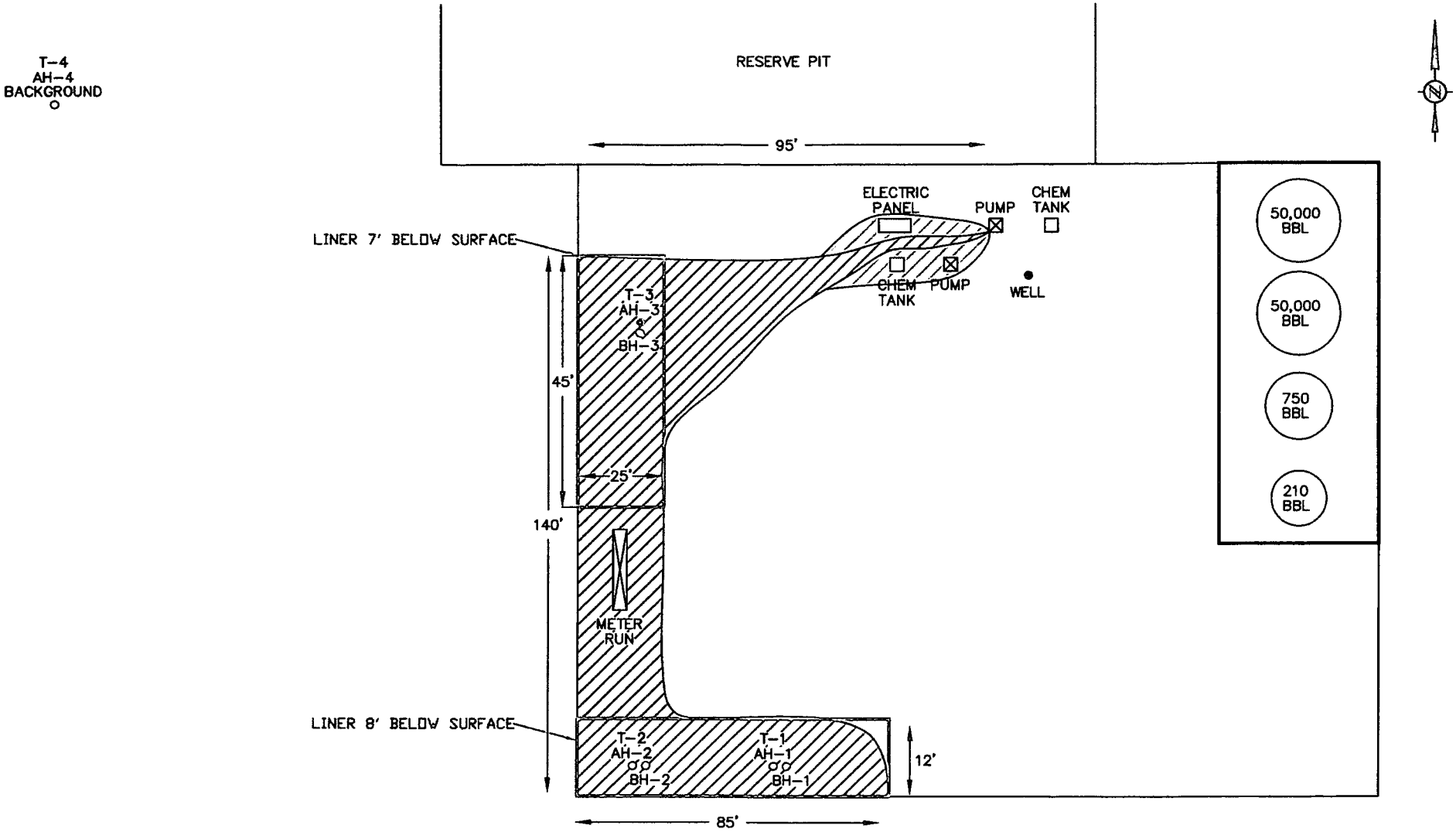
DATE: 12/27/2011
DWN. BY: IM
FILE: C:\BASIC\84003\MYRTLE MYRA

FIGURE NO. 3

EDDY COUNTY, NEW MEXICO

BASIC ENERGY SERVICES, LP
MYRTLE MYRA DISPOSAL
SPILL / SAMPLE LOCATIONS

TETRA TECH, INC.
MIDLAND, TEXAS



- SAMPLE LOCATIONS
- SAMPLE TRENCH
- BORE HOLE SAMPLE LOCATIONS
- AREA SCRAPED TO 2' BELOW SURFACE
- AREA EXCAVATED TO 10' BELOW SURFACE
- AREA EXCAVATED TO 16' BELOW SURFACE
- INSTALLED LINER
- EQUIPMENT REMOVED

NOT TO SCALE

DATE: 12/27/2011
DWN. BY: IM
FILE: C:\BASIC\64000369\MYRTLE MYRA

FIGURE NO. 4

EDDY COUNTY, NEW MEXICO

BASIC ENERGY SERVICES, LP
MYRTLE MYRA DISPOSAL
EXCAVATION AREA AND DEPTHS

TETRA TECH, INC.
MIDLAND, TEXAS

TABLES

Table 1
BASIC ENERGY
MYRTLE MYRA SWD
EDDY COUNTY, NEW MEXICO

Sample ID	Date Sampled	Sample Depth (ft)	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					
AH-1	11/11/09	0-1'	X		<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	2,300
		1-1.5'	X		-	-	-	-	-	-	-	2,890
		2-2.5'	X		-	-	-	-	-	-	-	2,120
T-1	12/21/09	2.0	X		-	-	-	-	-	-	-	2,380
		3.0	X		-	-	-	-	-	-	-	1,650
		4.0	X		-	-	-	-	-	-	-	2,420
		5.0	X		-	-	-	-	-	-	-	4,560
		6.0	X		-	-	-	-	-	-	-	2,010
		8.0	X		-	-	-	-	-	-	-	2,580
		10.0	X		-	-	-	-	-	-	-	1,690
BH-1	03/25/10	15.0	X		-	-	-	-	-	-	-	392
		20.0	X		-	-	-	-	-	-	-	504
		25.0	X		-	-	-	-	-	-	-	214
AH-2	11/11/09	0-1'	X		<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	3,330
		1-1.5'	X		-	-	-	-	-	-	-	1,310
T-2	12/21/09	2.0	X		-	-	-	-	-	-	-	1,670
		3.0	X		-	-	-	-	-	-	-	2,340
		4.0	X		-	-	-	-	-	-	-	1,080
		5.0	X		-	-	-	-	-	-	-	978
		6.0	X		-	-	-	-	-	-	-	1,340
		8.0	X		-	-	-	-	-	-	-	2,500
		10.0	X		-	-	-	-	-	-	-	2,680
		12.0	X		-	-	-	-	-	-	-	2,660
		14.0	X		-	-	-	-	-	-	-	2,370
		16.0	X		-	-	-	-	-	-	-	2,080
BH-2	03/25/10	20.0	X		-	-	-	-	-	-	-	571
		25.0	X		-	-	-	-	-	-	-	1,160
BH-2	03/25/10	30.0	X		-	-	-	-	-	-	-	239

Table 1
BASIC ENERGY
MYRTLE MYRA SWD
EDDY COUNTY, NEW MEXICO

Sample ID	Date Sampled	Sample Depth (ft)	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					
		35.0	X		-	-	-	-	-	-	-	219
AH-3	11/11/09	0-1'	X		<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	1,410
		1-1.5'	X		-	-	-	-	-	-	-	13,900
		2-2.5'	X		-	-	-	-	-	-	-	6,340
		3-3.5'	X		-	-	-	-	-	-	-	5,700
		4-4.5'	X		-	-	-	-	-	-	-	4,030
		5-5.5'	X		-	-	-	-	-	-	-	2,760
		6-6.5'	X		-	-	-	-	-	-	-	2,500
		7-7.5'	X		-	-	-	-	-	-	-	2,930
		8-8.5'	X		-	-	-	-	-	-	-	2,270
		9-9.5'	X		-	-	-	-	-	-	-	2,160
T-3	12/21/09	8.0	X		-	-	-	-	-	-	-	2,020
		10.0	X		-	-	-	-	-	-	-	2,260
		12.0	X		-	-	-	-	-	-	-	4,890
		14.0	X		-	-	-	-	-	-	-	3,140
		16.0	X		-	-	-	-	-	-	-	3,870
BH-3	03/25/10	20.0	X		-	-	-	-	-	-	-	2,340
		25.0	X		-	-	-	-	-	-	-	968
		30.0	X		-	-	-	-	-	-	-	2,620
		35.0	X		-	-	-	-	-	-	-	1,750
		40.0	X		-	-	-	-	-	-	-	2,900
	06/17/10	45.0	X		-	-	-	-	-	-	-	2,580
		50.0	X		-	-	-	-	-	-	-	1,950
		55.0	X		-	-	-	-	-	-	-	679
		60.0	X		-	-	-	-	-	-	-	1,020
		65.0	X		-	-	-	-	-	-	-	231
		70.0	X		-	-	-	-	-	-	-	391
AH-4	11/11/09	0-1' (BG)	X		<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<200
Background		1-1.5' (BG)	X		-	-	-	-	-	-	-	<200

Table 1
BASIC ENERGY
MYRTLE MYRA SWD
EDDY COUNTY, NEW MEXICO

Sample ID	Date Sampled	Sample Depth (ft)	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					
T-4	12/21/09	2.0	X		-	-	-	-	-	-	-	<200
		3.0	X		-	-	-	-	-	-	-	229
		4.0	X		-	-	-	-	-	-	-	<200
		5.0	X		-	-	-	-	-	-	-	309
T-4	12/21/09	6.0	X		-	-	-	-	-	-	-	274
		8.0	X		-	-	-	-	-	-	-	229
		10.0	X		-	-	-	-	-	-	-	214
		12.0	X		-	-	-	-	-	-	-	257

(-) Not Analyzed

_____ Depth of liner placement.

_____ Depth of excavation

APPENDIX A
INITIAL/FINAL C-141

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

OCT 05 2009

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Repor

Name of Company Basic Energy Services 2463608	Contact David Alvarado
Address P.O. Box 10460 MIDLAND TX. 79702	Telephone No.575.746.9663
Facility Name MYRTLE MYRA SWD 001	Facility Type

Surface Owner STATE	Mineral Owner	Lease No. 3001521515

30-015-21515

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	21	21S	27E	660	NORTH	1980	WEST	EDDY

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release PRODUCED WATER WITH IRON SULFATE	Volume of Release 600 BBLS	Volume Recovered 590 BBLS
Source of Release SUCKTION SIDE OF PUMP FROM TANK	Date and Hour of Occurrence 10-2-09 UNDETERMAN TIME	Date and Hour of Discovery 10-2-09 7:30 AM.
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? JERRY HANAWAY, DAVID ALVARADO, ROGER MASSEY, LYN SOCLWELL	
By Whom? RICHARD PENA	Date and Hour 10-2-09 7:30 AM	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse. NONE	

If a Watercourse was Impacted, Describe Fully.*

NO WATERCOURSE IMPACTED.

Describe Cause of Problem and Remedial Action Taken.*

4" Clamp broke on suction side of fluid end and separated when charge pump turned on..

Vacuum Truck was used to recover 590 bbls. and placed back in the storage tanks. Will have a blade scrape up material send to CRI.

Describe Area Affected and Cleanup Action Taken.*

South side and west side of location was affected. Before we can blade location gas lines are to be flagged.

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: David H. Alvarado

Printed Name: David H. Alvarado

Title: S.E.N.M. DISTRICT MANAGER

E-mail Address: david.alvarado@basicenergyservices.com

OIL CONSERVATION DIVISION

Approved by District Supervisor: RDade by Sgn

Remediation Actions to be complet
Final C-141 submitted with confi
analyses/documentation on or bef
Expiration Date.

Approval Date: 10/6/09

Expiration Date: 12-31-09

Conditions SEE ATTACHED STIPULATIONS

Attached ☑

2RP-358

LSEB0930036710
nSEB0930054 77

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Basic Energy Services, Inc.**	Contact **Lyn Sockwell**
Address **P.O. Box 10460, Midland, Tx 79702**	Telephone No. **(432) 571-8592**
Facility Name **Myrtle Myra SWD**	Facility Type **Salt Water Disposal Facility**

Surface Owner: State	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	21	21S	27E	660	North	1980	West	Eddy

Latitude N 32.46894° **Longitude** W 104.1987°

NATURE OF RELEASE

Type of Release: **Produced water with iron sulfate**	Volume of Release **600 bbls**	Volume Recovered **590 bbls**
Source of Release **Suction side of pump from tank**	Date and Hour of Occurrence **10/02/09 --- Unknown**	Date and Hour of Discovery **10/02/09 --- 7:30AM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Jerry Hanaway, David Alvarado, Roger Massey, Lyn Sockwell**	
By Whom? **Richard Pena**	Date and Hour **10-02-09 --- 7:30AM**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*
Four inch clamp broke on suction side of fluid end and separated when charge pump turned on. Vacuum truck was used to recover 590 BBLs and placed back in the storage tank.

Describe Area Affected and Cleanup Action Taken.*
In September 2011, approximately 1,212 cubic yards of chloride impacted soil was excavated and removed for disposal to Lea Land, Inc of Carlsbad, NM. Two areas were lined with 40 mil poly measuring 45 by 25 feet and 25 by 12 feet in order to impede further vertical migration of chloride laden soils in vicinity.

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: Lyn Sockwell	OIL CONSERVATION DIVISION	
Printed Name: Lyn Sockwell	Approved by District Supervisor:	
Title: Director of Environmental	Approval Date:	Expiration Date:
E-mail Address: Lyn.Sockwell@basicenergyservices.com	Conditions of Approval:	Attached ☐
Date: 6/21/12 Phone: (432) 571-8592		

* Attach Additional Sheets If Necessary

APPENDIX B
WATER WELL REPORTS

Water Well Data
Average Depth to Groundwater (ft)
Basic - Myrtle Myra SWD Facility
Eddy County, New Mexico

20 South 27 East

6	5 **50**	4	3	2	1
7 66	8	9	10	11	12
18	17	16	15	14 **66** **74**	13
19	20	21 **150**	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

20 South 28 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 **30**	27 **35**	26	25
31 **115**	32	33 **25** **29**	34	35	36 **19**

20 South 29 East

6	5	4	3 **91**	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20 **62**	21	22	23	24
30 **52**	29	28	27	26	25
31	32	33	34	35	36

21 South 26 East

6	5 **65**	4	3	2	1 **89**
7 **66**	8 **170**	9	10 **115**	11	12
18	17 **178 35**	16 **65**	15	14	13
19	20 **210**	21	22	23 **34**	24
30 **115**	29	28	27	26	25 **40**
31	32 **164**	33 **120**	34	35	36 **26**

21 South 27 East

6 **175**	5 **350**	4	3	2	1SITE **186**
7	8	9 **78**	10	11	12
18	17	16	15	14	13
19 **36 27**	20	21 Site **75**	22	23	24
30	29 **31 30**	28 **40** **46**	27	26 **70 32**	25
31 **17**	32 **15**	33	34	35 **30**	36

21 South 28 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17 **37**	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

22 South 26 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

22 South 27 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

22 South 28 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

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	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00061		STK	ED	1	2	4	21	21S	27E	576163	3592217*	150		
C 00206		STK	ED		2	4	21	21S	27E	576264	3592118*	150		
C 01449		DOM	ED	1	3	3	21	21S	27E	574950	3591807*	108	75	33

Average Depth to Water: **75 feet**

Minimum Depth: **75 feet**

Maximum Depth: **75 feet**

Record Count: 3

PLSS Search:

Section(s): 21 **Township:** 21S **Range:** 27E

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

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
C 00026		IRR	ED	1	1	1	31	21S	27E	571775	3589711*	190		
C 00046		IRR	ED				30	21S	27E	572477	3590614*	185		
C 00047 A		DOM	ED	2	3	2	26	21S	27E	579218	3591043*	90	70	20
C 00047 A		IRR	ED	2	3	2	26	21S	27E	579218	3591043*	90	70	20
C 00047 EXPL		IRR	ED	3	2	4	26	21S	27E	579429	3590444*	490		
C 00061		STK	ED	1	2	4	21	21S	27E	576163	3592217*	150		
C 00064 A		IRR	ED		1	1	32	21S	27E	573461	3589670*	95	15	80
C 00065		IRR	ED	4	4	4	30	21S	27E	573155	3589947*	72	15	57
C 00089		DOM	ED		2	2	31	21S	27E	573056	3589651*	275		
C 00096		IRR	ED				29	21S	27E	574063	3590675*	91		
C 00106		IRR	ED	2	1	1	32	21S	27E	573560	3589769*	105		
C 00112		DOM	ED				30	21S	27E	572477	3590614*	184	10	174
C 00129		IRR	ED			4	30	21S	27E	572853	3590226*	300		
C 00132		DOM	ED	1	3	4	19	21S	27E	572544	3591744*	34		
C 00156		IRR	ED	2	4	3	30	21S	27E	572348	3590116*	180		
C 00162		DOM	ED		3	3	30	21S	27E	571874	3590011*	175		
C 00164		DOM	ED	3	1	4	19	21S	27E	572541	3591961*	375		
C 00168		DOM	ED	4	4	3	30	21S	27E	572348	3589916*	179		
C 00188		DOM	ED		3	3	28	21S	27E	575076	3590094*	280		
C 00197		DOM	ED				32	21S	27E	574067	3589068*	300		
C 00201		IRR	ED		4	3	30	21S	27E	572249	3590017*	240		
C 00202		DOM	ED		4	1	30	21S	27E	572245	3590835*	200		
C 00206		STK	ED		2	4	21	21S	27E	576264	3592118*	150		
C 00207		DOM	ED		3	3	30	21S	27E	571874	3590011*			
C 00208		IRR	ED	2	1	3	30	21S	27E	571970	3590515*	270	14	256
C 00208		MUL	ED	2	1	3	30	21S	27E	571970	3590515*	270	14	256
C 00218		DOM	ED			3	30	21S	27E	572075	3590212*	170		
C 00221		IRR	ED	1	4	1	30	21S	27E	572144	3590934*	282		
C 00222		IRR	ED	1	3	4	29	21S	27E	574167	3590182*	297		

***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
C 00227		IRR	ED	4	1	4	19	21S	27E	572741	3591961*	435		
C 00237		DOM	ED	1	3	4	19	21S	27E	572544	3591744*	105	20	85
C 00240		DOM	ED	3	3	3	30	21S	27E	571773	3589910*	137	10	127
C 00242		DOM	ED	3	1	4	19	21S	27E	572541	3591961*	79	27	52
C 00243		DOM	ED	1	3	4	19	21S	27E	572544	3591744*			
C 00263		DOM	ED	3	3	4	30	21S	27E	572551	3589924*	260		
C 00264		DOM	ED	3	3	4	19	21S	27E	572544	3591544*	335	25	310
C 00288		DOM	ED	3	3	4	19	21S	27E	572544	3591544*	60		
C 00297		DOM	CH	1	1	2	35	21S	27E	579029	3589833*	130	30	100
C 00314		DOM	ED		1	4	24	21S	27E	580742	3592180*	397		
C 00336		DOM	ED		3	4	19	21S	27E	572645	3591645*	79	32	47
C 00337		DOM	ED	1	1	2	32	21S	27E	574168	3589780*	318		
C 00344		DOM	ED	3	3	3	31	21S	27E	571783	3588308*	180	17	163
C 00378		DOM	ED	1	3	3	30	21S	27E	571773	3590110*	350	15	335
C 00422		DOM	ED		3	4	19	21S	27E	572645	3591645*	74	28	46
C 00428		DOM	ED		2	3	31	21S	27E	572251	3588823*	37		
C 00440		DOM	ED				19	21S	27E	572466	3592235*	70	29	41
C 00448		DOM	ED	1	3	4	19	21S	27E	572544	3591744*	262	137	125
C 00460		DOM	ED				30	21S	27E	572477	3590614*	63	29	34
C 00468		DOM	ED	3	4	4	26	21S	27E	579432	3590041*	80		
C 00468		IRR	ED	3	4	4	26	21S	27E	579432	3590041*	80		
C 00487		DOM	ED	4	1	2	31	21S	27E	572751	3589531*	215		
C 00522		IRR	ED	4	3	1	30	21S	27E	571968	3590721*	100	33	67
C 00552		DOM	ED	1	2	3	29	21S	27E	573759	3590579*	240	24	216
C 00552		PRO	ED	1	2	3	29	21S	27E	573759	3590579*	240	24	216
C 00554		DOM	ED	3	1	4	19	21S	27E	572541	3591961*	60	38	22
C 00556		IRR	ED		4	3	30	21S	27E	572249	3590017*	200	31	169
C 00561		DOM	ED	2	3	1	32	21S	27E	573561	3589368*	340	11	329
C 00566		DOM	ED	2	2	2	32	21S	27E	574773	3589785*	323	18	305
C 00591		DOM	ED	1	3	1	31	21S	27E	571778	3589313*	200		
C 00592		DOM	ED				31	21S	27E	572487	3589012*	100	15	85
C 00593		DOM	ED				31	21S	27E	572487	3589012*	250		

***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
C 00594		DOM	ED				31	21S	27E	572487	3589012*	250		
C 00595		DOM	ED	2	3	1	30	21S	27E	571968	3590921*	210	24	186
C 00598		DOM	ED	1	3	1	31	21S	27E	571778	3589313*	100		
C 00600		DOM	ED				30	21S	27E	572477	3590614*	303	15	288
C 00606		DOM	ED	1	1	3	29	21S	27E	573355	3590573*	252	8	244
C 00632		COM	ED	2	2	2	32	21S	27E	574773	3589785*	270	30	240
C 00634		IRR	ED	4	1	3	29	21S	27E	573555	3590373*	122	17	105
C 00636		IRR	ED				30	21S	27E	572477	3590614*	134	25	109
C 00637		DOM	ED				19	21S	27E	572466	3592235*	100	29	71
C 00638		DOM	ED	3	1	3	30	21S	27E	571770	3590315*	50	27	23
C 00645		PRO	ED		1	1	25	21S	27E	579933	3591356*		100	
C 00647		DOM	ED	2	4	3	30	21S	27E	572348	3590116*	200	80	120
C 00652		COM	ED	2	4	4	29	21S	27E	574771	3590188*	458		
C 00652		IRR	ED	2	4	4	29	21S	27E	574771	3590188*	458		
C 00654		DOM	ED	1	1	1	29	21S	27E	573349	3591377*	250		
C 00655		DOM	ED	2	2	3	29	21S	27E	573959	3590579*	200		
C 00660		DOM	ED	2	1	2	32	21S	27E	574368	3589780*	325	14	311
C 00661		DOM	ED	3	2	4	30	21S	27E	572952	3590354*	200	10	190
C 00668		DOM	ED	2	4	2	30	21S	27E	573150	3590961*	280	12	268
C 00673		DOM	ED	2	3	4	29	21S	27E	574367	3590182*	309	30	279
C 00681		DOM	ED	2	2	3	31	21S	27E	572350	3588922*	44	18	26
C 00688		DOM	ED	2	2	3	29	21S	27E	573959	3590579*	90	31	59
C 00698		DOM	ED	4	3	2	36	21S	27E	580859	3589248*	110		
C 00699		DOM	ED	3	3	2	36	21S	27E	580659	3589248*	110		
C 00702		DOM	ED	4	4	1	30	21S	27E	572344	3590734*	330	15	315
C 00707		DOM	ED	1	3	1	31	21S	27E	571778	3589313*	25	6	19
C 00710		DOM	ED	1	3	1	31	21S	27E	571778	3589313*	32	5	27
C 00714		DOM	ED	3	1	4	19	21S	27E	572541	3591961*	50	32	18
C 00718		DOM	ED	1	1	4	30	21S	27E	572549	3590535*	205	15	190
C 00719		DOM	ED	1	4	1	30	21S	27E	572144	3590934*	170	30	140
C 00719		IRR	ED	1	4	1	30	21S	27E	572144	3590934*	170	30	140
C 00721		DOM	ED	2	3	4	19	21S	27E	572744	3591744*	74	55	19

***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
C 00722		DOM	ED	1	3	4	19	21S	27E	572544	3591744*	47	28	19
C 00722 A		DOM	ED				19	21S	27E	572466	3592235*	80		
C 00725		DOM	ED	4	3	1	29	21S	27E	573552	3590775*	222	22	200
C 00727		DOM	ED				30	21S	27E	572477	3590614*	200		
C 00732		DOM	ED	2	1	2	32	21S	27E	574368	3589780*	50		
C 00734		DOM	ED	4	3	1	29	21S	27E	573552	3590775*	230		
C 00741		DOM	ED				29	21S	27E	574063	3590675*	300	20	280
C 00749		DOM	ED	4	4	3	29	21S	27E	573963	3589977*	300		
C 00751		DOM	ED				32	21S	27E	574067	3589068*	325	15	310
C 00767		IRR	ED	1	3	4	29	21S	27E	574167	3590182*	150	26	124
C 00772		DOM	ED				32	21S	27E	574067	3589068*	350		
C 00775		DOM	ED	1	3	4	19	21S	27E	572544	3591744*	62	20	42
C 00779		DOM	ED				29	21S	27E	574063	3590675*	247	18	229
C 00781		DOM	ED				29	21S	27E	574063	3590675*	302	29	273
C 00782		DOM	ED				31	21S	27E	572487	3589012*	42	18	24
C 00796		DOM	ED	1	4	4	30	21S	27E	572955	3590147*	255	16	239
C 00797		DOM	ED		2	3	30	21S	27E	572247	3590426*	350		
C 00798		DOM	ED				30	21S	27E	572477	3590614*	300	17	283
C 00814		DOM	ED	1	3	2	30	21S	27E	572547	3590947*	36	17	19
C 00838		DOM	ED				30	21S	27E	572477	3590614*			
C 00844		DOM	ED	3	1	3	30	21S	27E	571770	3590315*	230		
C 00846		DOM	ED	1	1	3	30	21S	27E	571770	3590515*	241	23	218
C 00858		IRR	ED	4	4	3	25	21S	27E	580446	3590051*	304		
C 00859		DOM	ED				30	21S	27E	572477	3590614*	136	17	119
C 00866		DOM	ED	1	3	2	30	21S	27E	572547	3590947*	240	16	224
C 00871		DOM	ED		1	4	19	21S	27E	572642	3592062*	95	33	62
C 00877		DOM	ED		3	4	19	21S	27E	572645	3591645*	82	30	52
C 00888		DOM	ED				29	21S	27E	574063	3590675*	270	12	258
C 00909		DOM	ED				30	21S	27E	572477	3590614*	127	29	98
C 00914		DOM	ED	1	3	4	19	21S	27E	572544	3591744*			
C 00922		DOM	ED	1	1	4	30	21S	27E	572549	3590535*	265	12	253
C 00925		MUL	ED		1	3	28	21S	27E	575070	3590498*	300	46	254

***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
C 00940		DOM	ED	4	4	2	25	21S	27E	581258	3590872*	42	5	37
C 00940 CLW		DOM	ED	4	4	2	25	21S	27E	581258	3590872*	72	20	52
C 00943		DOM	ED	2	4	3	29	21S	27E	573963	3590177*	280	27	253
C 00947		IRR	ED	1	4	4	30	21S	27E	572955	3590147*	80		
C 00947		STK	ED	1	4	4	30	21S	27E	572955	3590147*	80		
C 00973		DOM	ED				26	21S	27E	578914	3590731*	80	32	48
C 00976		DOM	ED	3	2	1	30	21S	27E	572143	3591135*	155	25	130
C 00999		DOM	ED	3	4	1	30	21S	27E	572144	3590734*	48	22	26
C 01006		DOM	ED	3	4	1	30	21S	27E	572144	3590734*	265	17	248
C 01016		DOM	ED	3	1	3	30	21S	27E	571770	3590315*	215	25	190
C 01021		DOM	ED	3	2	4	31	21S	27E	572956	3588750*	255	12	243
C 01026		DOM	ED		2	3	30	21S	27E	572247	3590426*	190	17	173
C 01038		DOM	ED	3	4	3	29	21S	27E	573763	3589977*	293	14	279
C 01040		DOM	ED				30	21S	27E	572477	3590614*	301	19	282
C 01045		COM	ED	2	1	2	31	21S	27E	572751	3589731*	307		
C 01046		DOM	ED		1	4	19	21S	27E	572642	3592062*	360	32	328
C 01047		IRR	ED		3	1	29	21S	27E	573453	3590876*	288	256	32
C 01068		DOM	ED	3	1	3	29	21S	27E	573355	3590373*	350	20	330
C 01068 REPAR		DOM	ED	3	1	3	29	21S	27E	573355	3590373*			
C 01069		DOM	ED	3	3	1	29	21S	27E	573352	3590775*	355	20	335
C 01073		DOM	ED		1	1	31	21S	27E	571876	3589612*	170	40	130
C 01079		DOM	ED		3	4	19	21S	27E	572645	3591645*	360		
C 01096		DOM	ED				29	21S	27E	574063	3590675*	306	17	289
C 01101		DOM	ED	3	4	3	29	21S	27E	573763	3589977*	315	17	298
C 01106		DOM	ED	4	4	4	30	21S	27E	573155	3589947*	280	14	266
C 01118		DOM	ED		3	4	19	21S	27E	572645	3591645*	81	34	47
C 01119		DOM	ED	1	1	4	19	21S	27E	572541	3592161*	105	42	63
C 01126		DOM	ED	2	2	2	31	21S	27E	573155	3589750*	260	30	230
C 01128		DOM	ED	2	2	2	31	21S	27E	573155	3589750*	303	19	284
C 01130		SAN	ED	3	4	4	30	21S	27E	572955	3589947*	365	19	346
C 01134		COM	ED	1	2	2	31	21S	27E	572955	3589750*	275		
C 01134		IRR	ED	1	2	2	31	21S	27E	572955	3589750*	275		

***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
C 01142		STK	ED	3	1	4	03	21S	27E	577358	3596873*	100		
C 01152		DOM	ED	4	4	3	30	21S	27E	572348	3589916*	240	18	222
C 01155		DOM	ED		1	3	29	21S	27E	573456	3590474*	290	22	268
C 01157		DOM	ED		4	2	30	21S	27E	573051	3590862*	292	17	275
C 01159		DOM	ED			4	19	21S	27E	572846	3591846*	432	31	401
C 01160		DOM	ED		4	3	24	21S	27E	580340	3591767*	60	17	43
C 01160		EXP	ED		4	3	24	21S	27E	580340	3591767*	60	17	43
C 01163		EXP	ED		4	4	24	21S	27E	581157	3591783*	240		
C 01165		IRR	ED	2	4	2	30	21S	27E	573150	3590961*	180	26	154
C 01174		DOM	ED	1	3	1	29	21S	27E	573352	3590975*	280	27	253
C 01175		IRR	ED	4	4	2	30	21S	27E	573150	3590761*	100	19	81
C 01188		DOM	ED			4	30	21S	27E	572853	3590226*	277	16	261
C 01189		IRR	ED	1	2	2	30	21S	27E	572947	3591361*	100	26	74
C 01199		DOM	ED		1	4	19	21S	27E	572642	3592062*	389	57	332
C 01207		DOM	ED		3	4	19	21S	27E	572645	3591645*	70	31	39
C 01210		DOM	ED		1	4	30	21S	27E	572650	3590436*	60	26	34
C 01248		DOM	ED	3	3	1	29	21S	27E	573352	3590775*	240	19	221
C 01250		DOM	ED		3	3	29	21S	27E	573460	3590072*	250	45	205
C 01252		DOM	ED		1	1	32	21S	27E	573461	3589670*	260	17	243
C 01280		DOM	ED	2	1	4	19	21S	27E	572741	3592161*	100	58	42
C 01299		DOM	ED	1	3	1	29	21S	27E	573352	3590975*	284	23	261
C 01318		DOM	ED	4	1	3	28	21S	27E	575169	3590397*	52	40	12
C 01321		DOM	LE		2	3	29	21S	27E	573860	3590480*	270	60	210
C 01330		STK	ED	3	3	3	09	21S	27E	574941	3594849*	92	80	12
C 01333		PRO	ED	1	1	4	05	21S	27E	574128	3597045*	400	350	50
C 01339		EXP	ED		1	4	09	21S	27E	575842	3595353*	425	120	305
C 01349		DOM	ED	2	3	2	26	21S	27E	579218	3591043*	395	45	350
C 01357		DOM	ED		4	1	30	21S	27E	572245	3590835*	410	16	394
C 01359		DOM	ED		3	4	24	21S	27E	580748	3591775*	63	21	42
C 01373		DOM	ED	2	3	3	30	21S	27E	571973	3590110*	140	26	114
C 01389		DOM	ED	1	3	1	19	21S	27E	571758	3592539*	102	60	42
C 01393		DOM	ED		3	1	19	21S	27E	571859	3592440*	481	72	409

***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
C 01441		DOM	ED	2	3	3	19	21S	27E	571962	3591731*	175	34	141
C 01449		DOM	ED	1	3	3	21	21S	27E	574950	3591807*	108	75	33
C 01458		DOM	ED		4	3	30	21S	27E	572249	3590017*	188	20	168
C 01499		DOM	ED		3	1	30	21S	27E	571869	3590822*	104	26	78
C 01509		STK	ED	1	1	3	30	21S	27E	571770	3590515*	73	43	30
C 01520		DOM	ED	4	1	4	19	21S	27E	572741	3591961*	70	70	0
C 01550		IRR	ED	2	4	1	30	21S	27E	572344	3590934*	200		
C 01553		DOM	ED	3	1	1	29	21S	27E	573349	3591177*	84		
C 01581		DOM	ED	1	1	1	32	21S	27E	573360	3589769*	40		
C 01583		DOM	ED	3	3	2	25	21S	27E	580650	3590865*	270	80	190
C 01591		DOM	ED	2	2	3	30	21S	27E	572346	3590525*	100	20	80
C 01644		DOM	ED		1	1	29	21S	27E	573450	3591278*	66	35	31
C 01649		DOM	ED	3	1	1	29	21S	27E	573349	3591177*	88	25	63
C 01650		DOM	ED		4	4	29	21S	27E	574672	3590089*	45		
C 01651		DOM	ED	4	4	4	29	21S	27E	574771	3589988*	62		
C 01653		DOM	ED		4	1	29	21S	27E	573856	3590882*	60	20	40
C 01662		DOM	ED		3	1	29	21S	27E	573453	3590876*	40		
C 01664		DOM	ED	3	2	1	30	21S	27E	572143	3591135*	136	29	107
C 01685		DOM	ED	3	3	1	19	21S	27E	571758	3592339*	115	59	56
C 01686		DOM	ED	2	4	3	30	21S	27E	572348	3590116*	235	217	18
C 01687		DOM	ED	2	4	3	30	21S	27E	572348	3590116*	235	19	216
C 01692		DOM	ED	3	1	2	25	21S	27E	580649	3591270*	250	178	72
C 01709		DOM	ED				29	21S	27E	574063	3590675*	42	15	27
C 01755		DOM	ED		2	3	29	21S	27E	573860	3590480*	320	17	303
C 01835		DOM	ED	1	4	4	26	21S	27E	579432	3590241*	58	5	53
C 01838		DOM	ED		1	1	31	21S	27E	571876	3589612*	40	30	10
C 01868		DOM	ED		1	1	30	21S	27E	571866	3591227*	95	25	70
C 01875		DOM	ED	1	3	3	28	21S	27E	574975	3590193*	170	40	130
C 01928		DOM	ED			2	25	21S	27E	580952	3591167*	200		
C 01947		DOM	ED		3	4	29	21S	27E	574268	3590083*	43	18	25
C 02009		DOM	ED		3	3	32	21S	27E	573464	3588465*	50	32	18
C 02045		DOM	ED		2	3	29	21S	27E	573860	3590480*	80	29	51

***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
C 02049		DOM	ED		1	4	19	21S	27E	572642	3592062*	85	58	27
C 02075		DOM	ED		1	2	30	21S	27E	572646	3591246*	287	22	265
C 02075 RPR		DOM	ED		1	2	30	21S	27E	572646	3591246*	100	22	78
C 02133		DOM	ED		1	3	30	21S	27E	571871	3590416*	135	29	106
C 02135		DOM	ED		1	2	30	21S	27E	572646	3591246*	115	21	94
C 02164		DOM	ED		1	1	30	21S	27E	571866	3591227*	100	35	65
C 02170		DOM	ED		3	4	28	21S	27E	575876	3590100*	253	16	237
C 02177		DOM	ED	3	4	1	19	21S	27E	572136	3592358*	445	70	375
C 02177 PLG.		DOM	ED		4	1	19	21S	27E	572237	3592459*	200		
C 02193		DOM	ED			4	32	21S	27E	574476	3588675*	55	15	40
C 02208		DOM	ED	3	3	1	30	21S	27E	571768	3590721*	150		
C 02209		DOM	ED	2	2	1	31	21S	27E	572349	3589721*	202	22	180
C 02210		DOM	ED	3	3	3	30	21S	27E	571773	3589910*	60		
C 02215		DOM	ED	3	2	1	31	21S	27E	572149	3589521*	30		
C 02217		DOM	ED		4	2	30	21S	27E	573051	3590862*	270	17	253
C 02327		DOM	ED			1	30	21S	27E	572070	3591023*	100		
C 02380		DOM	ED	3	3	4	30	21S	27E	572551	3589924*	52	20	32
C 02380		IRR	ED	3	3	4	30	21S	27E	572551	3589924*	52	20	32
C 02385		DOM	ED	1	2	2	32	21S	27E	574573	3589785*	100		
C 02399		DOM	ED	1	2	3	30	21S	27E	572146	3590525*	100	18	82
C 02447		DOM	ED	4	1	1	31	21S	27E	571975	3589511*	41	23	18
C 02462		IRR	ED	2	4	3	30	21S	27E	572348	3590116*	100		
C 02467		IRR	ED	3	3	4	30	21S	27E	572551	3589924*			
C 02471		DOM	ED	1	3	3	29	21S	27E	573359	3590171*	120	50	70
C 02526		DOM	ED	3	2	4	30	21S	27E	572952	3590354*	41	14	27
C 02530		DOM	ED	3	1	3	29	21S	27E	573355	3590373*	30	17	13
C 02554		DOM	ED		1	3	28	21S	27E	575070	3590498*	180		
C 02591		DOM	ED		1	1	30	21S	27E	571866	3591227*	130	23	107
C 02592		DOM	ED	2	1	3	29	21S	27E	573555	3590573*	150		
C 02640		DOM	ED	1	2	1	31	21S	27E	572149	3589721*	42	15	27
C 02645		DOM	ED	2	4	4	29	21S	27E	574771	3590188*	195	45	150
C 02646		DOM	ED	4	3	3	31	21S	27E	571983	3588308*	25	13	12

***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
C 02673		DOM	ED		1	1	30	21S	27E	571866	3591227*	150	23	127
C 02729		DOM	ED	2	1	3	30	21S	27E	571970	3590515*	41	27	14
C 02788		PRO	ED	1	1	1	32	21S	27E	573360	3589769*	30	15	15
C 02831		DOM	ED	2	4	4	29	21S	27E	574771	3590188*	120		
C 02837		DOM	ED	2	4	4	29	21S	27E	574771	3590188*	179	155	24
C 02839		DOM	ED	2	4	1	30	21S	27E	572344	3590934*	200		
C 02900		DOM	ED	2	2	2	31	21S	27E	573155	3589750*	95		
C 02907		DOM	ED	1	2	3	30	21S	27E	572146	3590525*	52	14	38
C 02908		MUL	ED	4	4	4	19	21S	27E	573144	3591561*	95		
C 02917		DOM	ED	4	2	3	30	21S	27E	572346	3590325*	100		
C 02936		DOM	ED	1	2	3	30	21S	27E	572146	3590525*	150	143	7
C 02967		DOM	ED	2	4	3	29	21S	27E	573963	3590177*	95		
C 02968		DOM	ED	2	1	1	33	21S	27E	575177	3589790*	350		
C 02992		DOM	ED	3	3	2	01	21S	27E	580594	3597311*	235	186	49
C 02998		DOM	ED	1	2	2	32	21S	27E	574573	3589785*	48		
C 03018		DOM	ED	2	2	2	30	21S	27E	573147	3591361*	250		
C 03065		DOM	ED	3	4	2	30	21S	27E	572950	3590761*	47	12	35
C 03088		DOM	ED	1	4	1	30	21S	27E	572144	3590934*	200		
C 03163		STK	ED	3	1	2	06	21S	27E	572513	3597613*	440	175	265
C 03171 POD1		DOM	ED	3	2	3	29	21S	27E	573759	3590379*	100	31	69
C 03268 POD1		STK	ED	4	2	4	01	21S	27E	581201	3596915*	48		
C 03292 POD1		STK	ED	4	3	4	06	21S	27E	572716	3596407*	500		
C 03335 POD1		DOM	ED	4	1	3	29	21S	27E	573555	3590373*	225	31	194
C 03419 POD1		DOM	ED	4	3	3	30	21S	27E	572007	3589955	160	130	30

Average Depth to Water: **36 feet**

Minimum Depth: **5 feet**

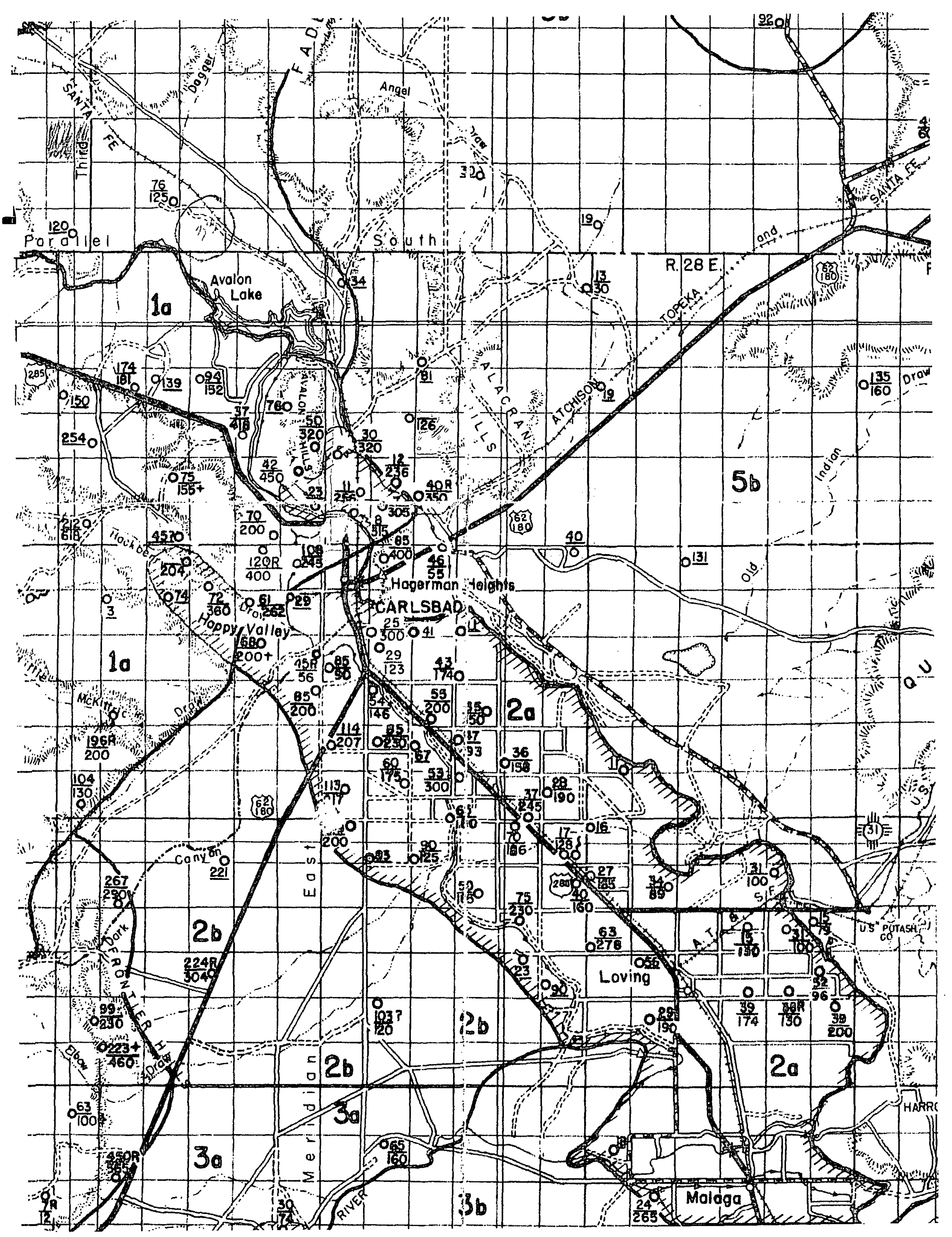
Maximum Depth: **350 feet**

Record Count: 277

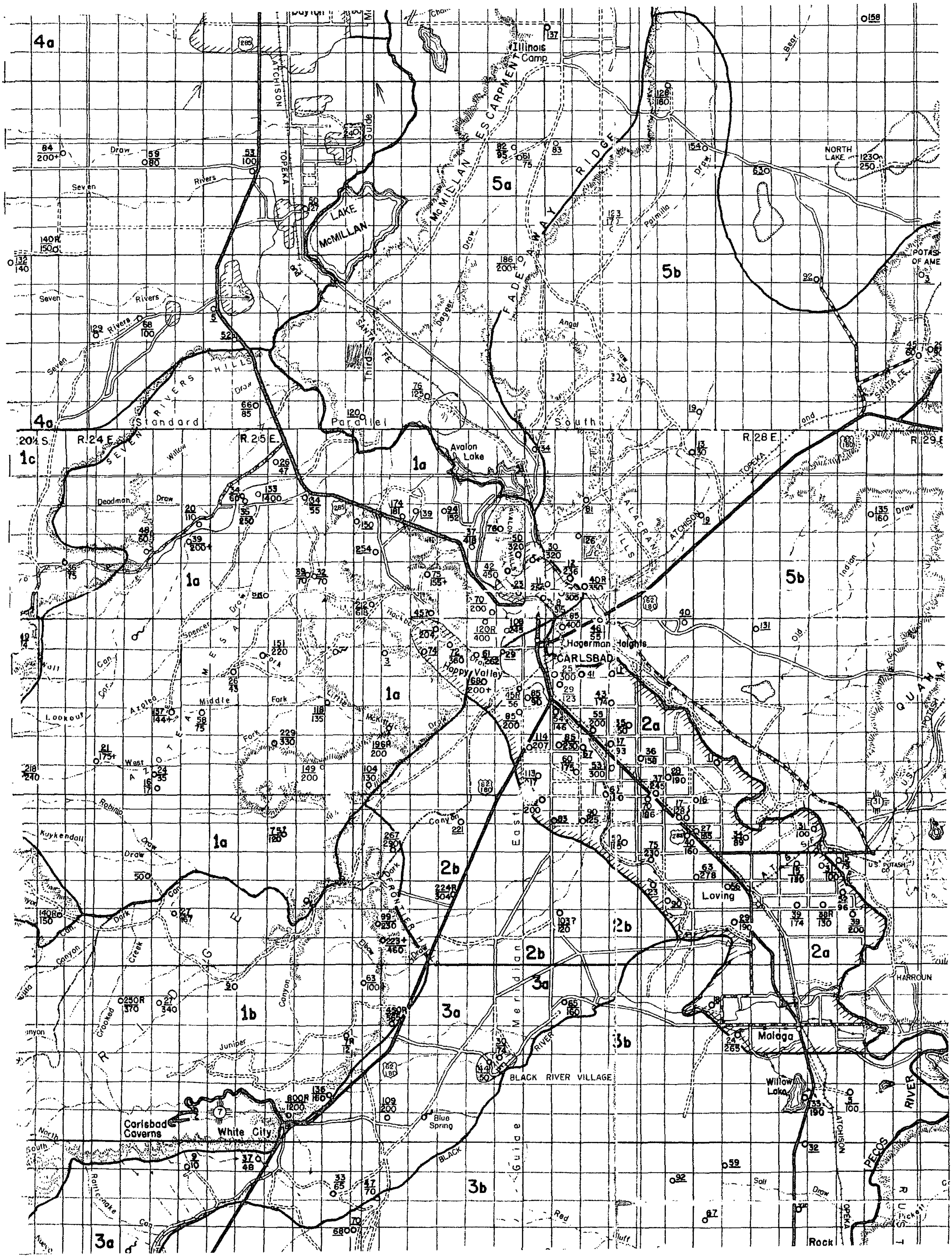
PLSS Search:

Township: 21S Range: 27E

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



Parallel South
R. 28 E.
Avalon Lake
1a
Avalon Hills
Alacran Hills
Angel
Dagger
Draw
Third
Santa Fe
Atchison Topeka and Santa Fe
5b
Indian
Old
Hagerman Heights
CARLSBAD
Happy Valley
McKittrick
Draw
2a
2b
Canyon
Dark
Frontier
Elbow
Draw
East
Meridian
3a
3b
River
Loving
Malaga
U.S. Potash Co.
Harro
A.T. & S.F.
Qu



4a
Illinois Camp
LAKE McMILLAN
McMILLAN ESCARPMENT
FADEAWAY RIDGE
5a
5b
NORTH LAKE
Seven Rivers
SEVEN RIVERS HILLS
Standard Parallel South
R.24 E.
R.25 E.
R.28 E.
R.29 E.
1c
1a
1b
Avalon Lake
Deadman Draw
Willow
Spencer Draw
MESA
AZOTEA
Lookout
Middle Fork
West Fork
Little McKittrick Draw
Happy Valley
Hagerman Heights
CARLSBAD
Loving
2a
2b
3a
3b
FRONTIER HILLS
Dark Canyon
Rattlesnake Can.
Crooked Canyon
Juniper
East Meridian
Guide Meridian
BLACK RIVER VILLAGE
BLACK RIVER
Blue Spring
Carlsbad Caverns
White City
HARROUN
Malaga
Willow Lake
PECOS RIVER
Salt Draw
Red Bluff
ATCHISON TOPEKA and SANTA FE
ALACRAN HILLS
QUAHADA
U.S. POTASH CO.
POTASH OF AMERICA
Indian Draw
Rock

TABLE 1. RECORDS OF WELLS IN EDDY COUNTY, NEW MEXICO. (Continued)

LOCATION NUMBER	OWNER OR NAME	DATE COMPLETED	TOPOGRAPHIC SITUATION	ALTITUDE ABOVE SEA LEVEL (feet)	DEPTH OF WELL (feet)	DIAMETER OF WELL (inches)	PRINCIPAL WATER-BEARING BED	
							CHARACTER OF MATERIAL	GEOLOGIC UNIT
21.26.31.243	Bobbit	–	Happy Valley	3,305	250	6	Limestone	Carlsbad
33.441	–	–	do.	3,240	–	6 (?)	Alluvium (?)	Quaternary (?)
35.122	E. M. Hoose	1932	Hillside	3,190	87.5	–	Limestone	Carlsbad
35.223	U. S. Govt. (?)	–	Terrace above river	3,150	146	8	Conglomerate or limestone	Quaternary or Carlsbad
35.343	C. F. Mongomery	–	E. edge Ocotilla Hills	3,250	200	6	Limestone	Carlsbad
35.441	Blake Spruill	1943	Terrace	3,175	200	12	do.	do.
36.212	–	–	Lakewood Terrace	3,122	–	12	–	–
21.27.1.420	Dinwitty	–	Draw	3,180	30	6	Redbeds and gypsum, or sand	Rustler or Quaternary
6.140	–	–	Gentle S. W. slope	3,190	–	–	Limestone (?)	Carlsbad (?)
9.330	–	–	Shallow depression	3,220	–	6	Alluvium (?)	Quaternary (?)
19.334	F. R. Dickson	–	Edge of terrace	3,136	320	–	Limestone	Carlsbad

See explanation at beginning of table.

LOCATION NUMBER	WATER LEVEL		YIELD (g.p.m.)	METHOD OF LIFT	USE OF WATER	REMARKS
	BELOW LAND SURFACE (feet)	DATE OF MEASUREMENT				
21.26.31.243	194.0	Nov. 21, 1949	–	W	S	See analysis, Table 3.
33.441	45	do.	–	W	S	
35.122	78.3	Dec. 15, 1947	3 E.	W	D & S	
35.223	52.9	Jan. 23, 1950	–	N	N	Abandoned. See analysis, Table 3.
35.343	135.5	May 22, 1949	1	W	S	Sulfur taste. See analysis, Table 3.
35.441	70.0	Oct. 7, 1948	300	T	P	Supplies 55 families. See analysis, Table 3.
36.212	23.0	Jan. 6, 1948	–	T	I	
21.27.1.420	12.7	Dec. 27, 1948	1 E.	W	S	Depth to water measured while pumping.
6.140	34.1	Sept. 3, 1948	–	W	S	
9.330	81.4	Jan. 25, 1950	2 E.	W	S	See analysis, Table 3.
19.334	30.1	Oct. 10, 1947	1,200 R.	T	I	

See explanation at beginning of table.

TABLE 1. RECORDS OF WELLS IN EDDY COUNTY, NEW MEXICO. (Continued)

LOCATION NUMBER	OWNER OR NAME	DATE COMPLETED	TOPOGRAPHIC SITUATION	ALTITUDE ABOVE SEA LEVEL (feet)	DEPTH OF WELL (feet)	DIAMETER OF WELL (inches)	PRINCIPAL WATER-BEARING BED	
							CHARACTER OF MATERIAL	GEOLOGIC UNIT
21.27.20.220	W. W. Simpson	1942	–	3,210	126	–	Redbeds, gypsum	Rustler (?)
28.331	–	1947	Hillside	3,150	350	16	Limestone	Carlsbad
29.311	T. Ives	–	Lakewood Terrace	3,112	236	16	Redbeds, gypsum	Rustler (?)
29.321	do.	–	do.	3,115	269	4 (?)	Limestone	Carlsbad (?)
29.331	P. H. Wailes	–	do.	3,110	268	5	do.	Carlsbad
29.343	O'Chesky	–	do.	3,109	–	18	Alluvium (?)	Quaternary (?)
29.423	Simpson	1916	Top Hill	3,150	150	6	Redbeds and gypsum	Rustler (?)
29.434	O'Chesky	1947	Terrace	3,120	324	8	Limestone (?)	Carlsbad (?)
30.341	H. H. Brahn	–	do.	3,117	–	12	–	–
30.431	C. S. McCasland	–	–	3,115	186	8	Limestone	Carlsbad
30.440	T. Ives	1947	Terrace	3,113	76	16	Alluvium	Quaternary

See explanation at beginning of table.

LOCATION NUMBER	WATER LEVEL		YIELD (g.p.m.)	METHOD OF LIFT	USE OF WATER	REMARKS
	BELOW LAND SURFACE (feet)	DATE OF MEASUREMENT				
21.27.20.220	–	–	–	W (?)	S	Sulfate water at 80 ft., better water at 126 ft.
28.331	40	–	–	T	D, S, & I	Limestone at 25 ft., water at 350 ft. Driller: Brennenstool.
29.311	11.5	Jan. 6, 1948	–	N	I	
29.321	7.5	Oct. 15, 1947	–	T	D, S, & I	
29.331	1.1	Feb. 6, 1947	–	G	D & I	From surface to 229 ft. in caving redbeds, limestone 229-268 ft.
29.343	13.7	Oct. 13, 1947	–	C	S & I	
29.423	41.3	Nov. 15, 1949	–	N	S	Water at 40 ft., 80 ft., and 120 ft.
29.434	19.8	Oct. 13, 1947	400 R.	C	S & I	Driller: Frank Gentry.
30.341	16.0	Oct. 10, 1947	–	T	D, S, & I	
30.431	7.0	–	1,000 R.	C	I	Redbeds at 55 ft., limestone at 160 ft. Cased to 135 ft.
30.440	14.7	Oct. 20, 1947	–	N	–	Driller: Spencer.

See explanation at beginning of table.

TABLE 1. RECORDS OF WELLS IN EDDY COUNTY, NEW MEXICO. (Continued)

LOCATION NUMBER	OWNER OR NAME	DATE COMPLETED	TOPOGRAPHIC SITUATION	ALTITUDE ABOVE SEA LEVEL (feet)	DEPTH OF WELL (feet)	DIAMETER OF WELL (inches)	PRINCIPAL WATER-BEARING BED	
							CHARACTER OF MATERIAL	GEOLOGIC UNIT
21.27.30.442	T. Ives	1941	Terrace	3,115	256	7	Limestone	Carlsbad
30.442a	J. F. Lumsford	1947	do.	3,115	68	12	Alluvium	Quaternary
30.443	G. Wiley	1942 (?)	do.	3,115	–	16	Alluvium (?)	Quaternary (?)
31.111	J. Stagner	–	do.	3,115	–	9	Limestone (?)	Carlsbad
31.130	–	–	do.	3,120	150 (?)	10 (?)	Alluvium (?)	Quaternary (?)
31.211	G. A. Blitch	–	do.	3,115	220	9	Limestone (?)	Carlsbad (?)
31.212	Int. Potash Co.	–	do.	3,120	250	5 3/16	Limestone	Carlsbad
31.212a	do.	1947	do.	3,120	315	18	do.	do.
31.212b	do.	1947 (?)	do.	3,120	315	18	do.	do.
31.214	Denhoff	–	do.	3,112	–	8	Alluvium (?)	Quaternary (?)
32.111	L. E. Loman	–	do.	3,113	70	12	Alluvium	Quaternary
32.112	do.	1947	do.	3,112	305	6	Limestone	Carlsbad
32.112a	S. Tracy	1949	do.	3,112	105	15	Alluvium	Quaternary
21.28.18.130	Bybee	–	Lone Tree draw	3,150	–	7	Alluvium (?)	Quaternary (?)
21.29.3.120	Wayne Cowden	–	–	3,380	302	6	Redbeds (?)	Dockum

See explanation at beginning of table.

LOCATION NUMBER	WATER LEVEL		YIELD (g.p.m.)	METHOD OF LIFT	USE OF WATER	REMARKS
	BELOW LAND SURFACE (feet)	DATE OF MEASUREMENT				
21.27.30.442	10.7	Oct. 20, 1947	–	C	D	
30.442a	15.0	Oct. 10, 1947	–	C	–	Driller: Spencer.
30.443	15.5	do.	–	C	I	
31.111	8.4	Oct. 20, 1947	–	C	I	
31.130	22.7	Nov. 14, 1949	–	T	I	
31.211	11.0	Oct. 10, 1947	–	C	D & I	
31.212	10.4	Oct. 9, 1947	–	C	D & I	
31.212a	7.6	Jan. 17, 1950	1,000 R.	T	PR	South well of two.
31.212b	–	–	1,000 R.	T	PR	North well of two.
31.214	15.8	Oct. 10, 1947	–	C	I	
32.111	13.7	Oct. 13, 1947	–	C	I	
32.112	7.5	do.	180 R.	C	D & I	
32.112a	15.0	Jan. 24, 1950	–	T	I	No limestone encountered. Driller: Gentry.
21.28.18.130	18.9	Jan. 21, 1950	–	W	S	See analysis, Table 3.
21.29.3.120	210+	Dec. 23, 1948	–	W	S	Cased to 37 ft.

See explanation at beginning of table.