

Date: 8/21/2015

SP1	CHL	SP2	CHL	SP3	CHL	SP3A	CHL	SP4	CHL	SP5	CHL	SP6	CHL	SP7	CHL	SP8	CHL	SP9	CHL
300	Surface	150	Surface	300	Surface	1,100	Surface	150	Surface	125	Surface	150	Surface	2,574	Surface	1,749	Surface	2,524	Surface
1 ¹	1 ¹	500	1 ¹	1,025	2 ¹	200	1 ¹	125	1 ¹	975	1 ¹	100	1 ¹	1,175	1 ¹	1,649	1 ¹	1,175	1 ¹
3,494	2 ¹	125	2 ¹	300	2 ¹	975	2 ¹	100	2 ¹	100	2 ¹	125	2 ¹	1,550	2 ¹	300	2 ¹	350	2 ¹
1,080	3 ¹	100	3 ¹	425	3 ¹	350	3 ¹	150	3 ¹	175	3 ¹	700	3 ¹	3,874	3 ¹	700	3 ¹	350	3 ¹
300	4 ¹	300	4 ¹	200	4 ¹	425	4 ¹	1,425	4 ¹	1,699	4 ¹	275	4 ¹	2,199	4 ¹	75	4 ¹	300	4 ¹
125	5 ¹	125	5 ¹	100	5 ¹	475	5 ¹	2,149	5 ¹	3,349	5 ¹								

SP10	CHL	SP11	CHL	SP12	CHL	SP13	CHL	SP14	CHL	SP15	CHL	SP16	CHL	SP18	CHL	SP19	CHL	SP20	CHL
Surface	4,973	Surface	225	Surface	125	Surface	75	Surface	400	Surface	2,749	Surface	275						
1'	2,999	1'	200	1'	75	1'	75	1'	675	1'	1,200	1'	75						
2'	100	2'	100	2'	100	2'	100	2'	550	2'	1,125	2'	75						
3'	225	3'	1,500	3'	100	3'	175	3'	1,050	3'	400	3'	450						
4'	150	4'	800	4'	50	4'	225	4'	150	4'	75	4'	750						

[illegible]

Lab Confirmation Sample
Field Sampling
Needs Delineation and confirmation samples

8/4/2015

SP Date: 8/4/2015
Rel Date:

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

Company Name:	<u>MEWBOURNE</u>
Location Name:	<u>RED HILLS SWD</u>

SP Date: 8/13/2015
Rel Date:

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible][illegible][illegible][illegible][illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

9/2/2015

SP Date: 9/2/2015
Rel Date:

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

9/9/2015

SP Date: 9/9/2015
Rel Date:

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

Company Name: Mewbourne
Location Name: Red Hills State SWD #1

SP Date: 9/16/2015
Rel Date:

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Diversified Environmental Services

[illegible]

	Lab Confirmation Sample
	Field Sampling
	Needs Delineation and confirmation samples

Table 3: Summary of Laboratory Analyses

Analytical Report- 1,611,403	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1611403-001	SB2	11/1/2016	1'	N/A	N/A	N/A	N/A	>30
1611403-002	SB2	11/1/2016	4'	N/A	N/A	N/A	N/A	>30
1611403-003	SB2	11/1/2016	8'	N/A	N/A	N/A	N/A	220
1611403-004	SB2	11/1/2016	5'	N/A	N/A	N/A	N/A	1100
1611403-005	SB2	11/1/2016	6'	N/A	N/A	N/A	N/A	1100
1611403-006	SB2	11/1/2016	12'	N/A	N/A	N/A	N/A	750
1611403-007	SB1	11/1/2016	1'	N/A	N/A	N/A	N/A	110
1611403-008	SB1	11/1/2016	4'	N/A	N/A	N/A	N/A	180
1611403-009	SB1	11/1/2016	8'	N/A	N/A	N/A	N/A	190
1611403-010	SB 1B	11/1/2016	1'	N/A	N/A	N/A	N/A	>30

Table 1: Summary of Field Screening Results

Red Hills West SWD
Produced Water
11/1/16

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	Chlorides Results	Lab Sample Collected Y/N
11/1/2016	9:30	SB1-A-1'	1	128	Y
11/1/2016	9:30	SB1-A-2'	2	160	N
11/1/2016	9:30	SB1-A-3'	3	160	N
11/1/2016	9:30	SB1-A-4'	4	220	Y
11/1/2016	9:30	SB1-A-5'	5	160	N
11/1/2016	9:30	SB1-A-6'	6	114	N
11/1/2016	9:30	SB1-A-7'	7	>100	N
11/1/2016	9:30	SB1-A-8'	8	205	Y
11/1/2016	10:00	SB1-B-1'	1	>100	Y
11/1/2016	10:00	SB1-B-2'	2	>100	Y
11/1/2016	10:00	SB1-B-3'	3	>100	N
11/1/2016	10:00	SB1-B-4'	4	>100	Y
11/1/2016	10:00	SB1-B-5'	5	>100	N
11/1/2016	10:00	SB1-B-6'	6	>100	N
11/1/2016	10:30	SB2-1'	1	>100	Y
11/1/2016	10:30	SB2-2'	2	>100	N
11/1/2016	10:30	SB2-3'	3	>100	N
11/1/2016	11:00	SB2-4'	4	>100	Y
11/1/2016	11:00	SB2-5'	5	1230	Y
11/1/2016	11:00	SB2-6'	6	1200	Y
11/1/2016	11:00	SB2-7'	7	1180	N
11/1/2016	11:00	SB2-8'	8	1250	Y
11/1/2016	11:00	SB2-9'	9	160	N
11/1/2016	11:00	SB2-10'	10	114	N
11/1/2016	11:00	SB2-11'	11	118	N
11/1/2016	11:45	SB2-12'	12	>100	Y
11/1/2016	11:45	SB3-1'	1	112	N
11/1/2016	11:45	SB3-2'	2	160	N
11/1/2016	11:45	SB3-3'	3	>100	N
11/1/2016	11:45	SB3-4'	4	>100	N
11/1/2016	11:45	SB3-5'	5	>100	N
11/1/2016	11:45	SB3-6'	6	>100	N



Table 3: Summary of Laboratory Analyses

Analytical Report- 1605A70	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1605A70-001	C1	5/18/2016	.5'	N/A	N/A	N/A	N/A	BDL
1605A70-002	C2	5/18/2016	.5'	N/A	N/A	N/A	N/A	BDL
1605A70-003	C3	5/18/2016	.5'	N/A	N/A	N/A	N/A	BDL
1605A70-004	C4	5/18/2016	.5'	N/A	N/A	N/A	N/A	BDL
1605A70-005	C5	5/18/2016	.5'	N/A	N/A	N/A	N/A	BDL
1605A70-006	C6	5/18/2016	.5'	N/A	N/A	N/A	N/A	BDL

Table 1b: Summary of Field Screening Results

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Reading	Lab Sample Collected Y/N
11/1/2016	9:30	SB1-A-1	1	>14	Y
11/1/2016	9:30	SB1-A-2	2	>14	N
11/1/2016	10:00	SB1-B-1	1	>14	Y
11/1/2016	10:00	SB1-B-2	2	>14	Y
11/1/2016	11:00	SB2-1	1	>14	Y
11/1/2016	11:00	SB2-2	2	>14	N
11/1/2016	10:00	SB3-1	1	>14	N
11/1/2016	10:00	SB3-2	2	>14	N



Table 2: Site Ranking

10/2015

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		USGS Topo Maps; NMOSE Well search	All area well log water a greater than 100ft
50' to 99' = 10			
>100' = 0	0		
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		USGS Topo Maps; Google Earth; PRCC Mapping Tool	Site located 15 Miles NE of the Pecos River
200' - 1000' = 10			
>1000' = 0	0		
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' from a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0		NM State Engineer Water Well Database	No wells within 2000ft of the location
	0		
Total Site Ranking	0		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM

