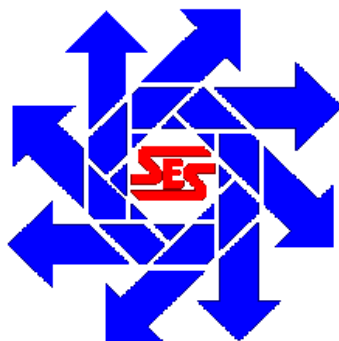


**Gandy Corporation
Nuckols 24 #1
Site Investigation
Section 24, Township 7S, Range 31E
Chaves County, New Mexico**

April 12, 2016



Prepared for:

**Gandy Corporation
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By:

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I. Company Contacts

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II. Background

SESI was contracted to perform a site investigation to determine the vertical extent of contamination at the Nuckols 24 #1 location. The subject area is located in Section 24, Township 7S, Range 31E in Chaves County, New Mexico.

II. Surface and Ground Water

The nearest groundwater water of record with the New Mexico State Engineer's Office is in section 26, township 07S and range 31E. The depth to water for this well is 120 feet bgs. However, there is no record of groundwater in the immediate vicinity. The average depth to water for this area is 238' bgs (Appendix A).

III. Soils

The soils in the area are predominantly sand and sandy loam.

IV. Work Performed

On April 11, 2016 SESI personnel, Gandy personnel together with a backhoe and operator, as well as a Rocky Mountain representative were on site to assess the spill area at this location. Heavy hydro carbon staining on the area were present (Figure 2). The location and spill area were mapped using a handheld Juno 3B (Figure 1). The spill area measured approximately 4,440.88 sq. ft. The backhoe operations included but were not limited to surface scraping of visual staining followed by the installation of test trenches. The results are recapped in the following table:

Date	ID	Depth	Cl ⁻	TPH
4-11-16	TT-1	6"	156	.06
4-11-16	TT-1	1.5'	108	No test
4-11-16	TT-2	6"	<108	.06
4-11-16	TT-2	1.5'	<108	No test

VI. Figures & Appendices

- Figure 1 – Site Plan
- Figure 2 – Photo Documentation
- Appendix A - Groundwater

Figure 1
Site Plan



Test Trench 1 ●

Release Point 2

X
Tank 3

Tank 4 X

X
Tank 5

● Test Trench 2

Figure 2
Photo Documentation

Gandy
Nuckols 24 #1 Location



Sign marking location



Release Point



Release Point Area



Impacted area West side of location



Pasture Impact



Fluid run Southwest pasture area

Gandy
Nuckols 24 #1 Location



Spill run impacting pasture



Impacted area west of location



Spill run looking south



Spill traverse west onto lease road



Spill Run North side



Surface Removal of north side

Gandy
Nuckols 24 #1 Location



Standing fluid west of pad



Removal of surface impact



Impact inside bermed area



Surface removal

Gandy
Nuckols 24 #1 Location



Test Trench



Test Trench



Surface removal at release point



Stockpiled soil

Appendix A

Groundwater



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 11245 POD1			CH	3	3	1	20	07S	31E	610806	3728777*	220	180	40
RA 11251 POD1			CH	1	2	4	10	07S	31E	615240	3731841*	210	190	20
RA 11252 POD1			CH	2	4	2	10	07S	31E	615436	3732243*	210		
RA 11255 POD1			CH	2	4	4	04	07S	31E	613805	3733024*	450	350	100
RA 11256 POD1			CH	2	4	4	04	07S	31E	613805	3733024*	450	350	100
RA 11260 POD1			CH	1	2	3	26	07S	31E	616038	3727739	158	120	38

Average Depth to Water: **238 feet**

Minimum Depth: **120 feet**

Maximum Depth: **350 feet**

Record Count: 6

PLSS Search:

Township: 07S

Range: 31E

*UTM location was derived from PLSS - see Help

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