

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M				EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)	
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600	
GA-121 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-122 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-123 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-124 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-124 West Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-124 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-125 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-126 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-127 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-128 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-129 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-130 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-131 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-132 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-133 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-134 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-134 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-134 West Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-135 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
GA-136 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-137 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-138 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
GA-139 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-140 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-141 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-142 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-143 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-144 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND S	ND
GA-145 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
GA-146 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

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SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-147 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	130		
GA-148 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	120		
GA-149 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		
GA-150 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-151 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	130		
GA-152 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	98		
GA-152 South Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	130		
GA-153 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		
GA-153 South Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	73		
GA-154 Floor Comp	Floor @ 4'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	130		
GA-154 South Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	65		
GA-154 East Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	150		
GA-155 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-156 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-157 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-158 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-159 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-160 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-161 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-162 Floor Comp	Floor @ 4'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-162 North Wall Comp	2'	2/25/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-163 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-164 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-165 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-166 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16		
GA-167 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-168 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-169 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-170 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-171 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		

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					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)			
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-172 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-173 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-173 West Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-174 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-174 West Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-175 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-175 North Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-175 West Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-176 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-177 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-178 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-179 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-180 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-181 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-182 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32		
GA-183 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-184 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16		
GA-185 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-186 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-187 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-188 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-189 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-190 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-191 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-192 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64		
GA-193 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112		
GA-194 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96		
GA-195 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96		
GA-196 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144		
GA-197 Floor Comp	Floor @ 4'	3/31/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80		

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Concentrations in **BOLD** exceed the NMOCD Closure Limit

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EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



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					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-198 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-199 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-200 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-201 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND	ND	
GA-202 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-202 North Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-202 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-202 West Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-203 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-204 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-205 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-206 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-207 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-208 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-209 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-210 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-211 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-212 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-213 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-214 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-215 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-216 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-216 East Wall Comp	2'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-217 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-217 East Wall Comp	2'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-218 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-218 East Wall Comp	2'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-219 Floor Comp	Floor	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-219 South Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-220 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY
ARCHDUKE 19 W2AP FEDERAL 001H
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-221 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-222 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
GA-223 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
GA-224 Floor Comp	Floor @ 4'	3/30/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
UB-222 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	
UB-223 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
UB-224 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77	
GA-225 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-225 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	780	
UB-225 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76	
GA-226 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-226 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	14	ND	14	14	8,100	
UB-226 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-227 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-227 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-228 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-228 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-229 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-229 South Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
GA-230 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)			
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-231 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-231 North Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	670		
UB-231 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	63		
GA-232 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-232 South Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-233 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-234 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-234 West Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	13	ND	13	6,700		
UB 234 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	62		
GA-235 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-235 South Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-236 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-237 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-237 North Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300		
UB-237 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	75		
GA-238 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-238 South Wall Comp	-	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-239 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-240 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-240 North Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,500		
UB-240 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	63		
GA-241 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-241 South Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY

ARCHDUKE 19 W2AP FEDERAL 001H

EDDY COUNTY, NEW MEXICO

NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-241 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-242 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-242 East Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0		
GA-243 Floor Comp	Floor @ 4'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND S	ND S	ND S	ND		
GA-243 North Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,300		
GA-243 East Wall Comp	2'	2/26/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	11 S	ND S	11 S	ND		
UB-243 Delineation	Under Battery @ 2'	3/16/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-244 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-244 West Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-245 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-245 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	270		
GA-246 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		
GA-246 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	280		
GA-246 East Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-247 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		
GA-247 West Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-247 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-248 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-248 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	89		
GA-249 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	83		
GA-249 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-250 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	65		
GA-250 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-251 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	63		
GA-251 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-252 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	190		

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY
ARCHDUKE 19 W2AP FEDERAL 001H
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)			
NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE	100	600	
GA-252 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-253 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74
GA-253 South Wall Comp	2'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250
GA-254 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-255 Floor Comp	Floor @ 4'	3/11/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-256 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
GA-257 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
GA-257 South Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
GA-258 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	130
GA-258 South Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150
GA-259 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140
GA-259 South Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
GA-260 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-260 South Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
GA-261 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120
GA-261 North Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370
GA-261 West Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
GA-262 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140
GA-262 North Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-263 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
GA-263 North Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
GA-264 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120
GA-264 North Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
GA-265 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-265 North Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GA-266 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	150
GA-267 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NE = Not Established

ND = Not Detected

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

MEWBOURNE OIL COMPANY
ARCHDUKE 19 W2AP FEDERAL 001H
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2102039553.



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M/D & 8015M					EPA 300.0 & SM4500CL-B
					BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)		
NMOCD Closure Limits					10	NE	NE	NE	50	NE	NE	NE	100	600		
GA-268 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	120		
GA-269 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-269 West Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	120		
GA-269 South Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	69		
GA-269 East Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	67		
GA-270 Floor Comp	Floor @ 4'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	160		
GA-270 North Wall Comp	2'	3/12/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	69		
GA-270 East Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	97		
GA-270 West Wall Comp	2'	3/15/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	160		
GA-270 South Wall Comp	2'	4/23/2021	Grab	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32		
GA-271 Floor Comp	Floor @ 4'	3/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
GA-272 Floor Comp	Floor @ 6"	3/22/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Well #1 Wall Comp	2'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	810*		
Well #1 Floor Comp	2'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		
Well #2 Wall Comp	2'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	9.7	ND	9.7	840*		
Well #2 Floor Comp	2'	3/17/2021	Grab	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND	100		
* Sample collected at tin horn at well head. No further sampling was practical at this location.																

NE = Not Established
ND = Not Detected
Concentrations in **BOLD** exceed the NMOCD Closure Limit



Legend:

- Delineation Sample
- Spill Area

Figure 5a
Delineation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
 P.O. Box 2587
 Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
 5/11/2021

1 inch equals 73
 feet



Legend:

- Delineation Sample
- Spill Area

Figure 5b
Delineation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
5/11/2021

1 inch equals 73
feet



Legend:

- Delineation Sample
- Spill Area

Figure 5c
Delineation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
 P.O. Box 2587
 Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
 5/11/2021

1 inch equals 72
 feet



Legend:

- Spill Area
- 20' x 10' Composite Area
- Remediation Sample

Figure 6a
Remediation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
5/11/2021

1 inch equals 42
feet



Legend:

- Spill Area
- 20' x 10' Composite Area
- Remediation Sample

Figure 6b
Remediation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
5/11/2021

1 inch equals 41
feet



Legend:

- Spill Area
- 20' x 10' Composite Area
- Remediation Sample

Figure 6c
Remediation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
 P.O. Box 2587
 Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
 5/11/2021

1 inch equals 41
 feet



Legend:

- Spill Area
- 20' x 10' Composite Area
- Remediation Sample

Figure 6d
Remediation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
5/11/2021

1 inch equals 41
feet



Legend:

- Spill Area
- 20' x 10' Composite Area
- Remediation Sample

Figure 6e
Remediation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



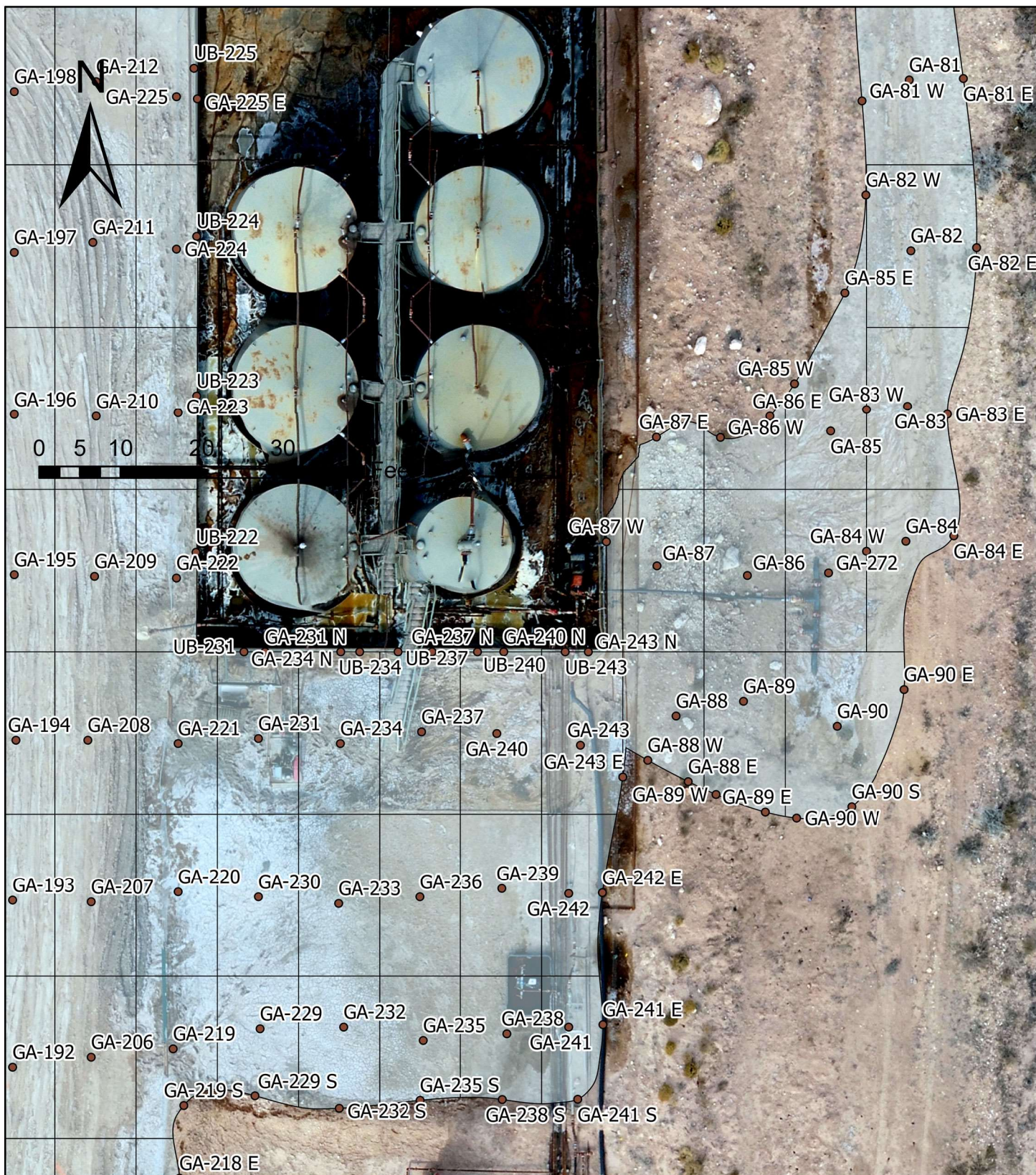
Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
5/11/2021

1 inch equals 41
feet



Legend:

- Spill Area
- 20' x 10' Composite Area
- Remediation Sample

Figure 6g
Remediation Sample Map
Mewbourne Oil Company
Archduke 19 W2 AP FED COM #001H
Eddy County, New Mexico
NMOCD Reference # nAPP2102039553



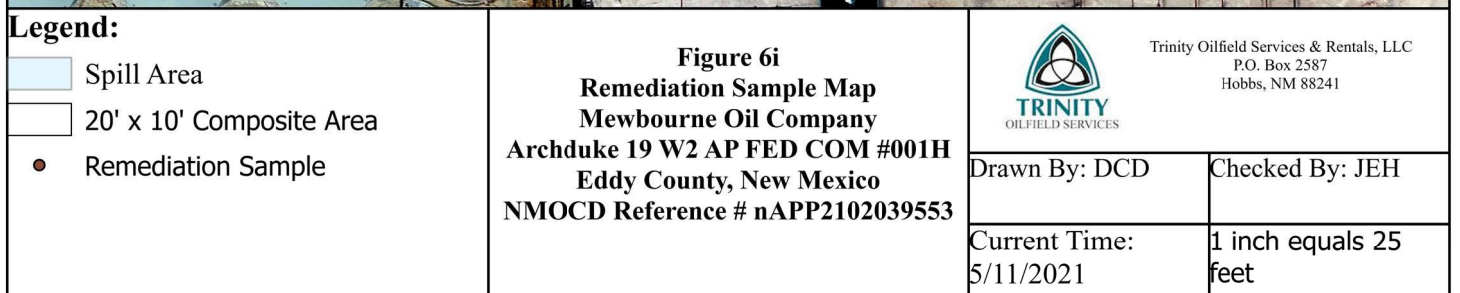
Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: DCD

Checked By: JEH

Current Time:
5/11/2021

1 inch equals 17
feet



Archduke 19 W2 AP Fed Com 1H

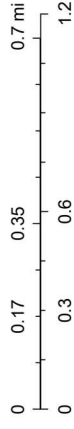


5/11/2021, 2:43:36 PM

GIS WATERS PODS

- Active
- Pending
- OSE District Boundary
- New Mexico State Trust Lands
- Both Estates
- Conveyances
- Ditch
- Lateral
- Site Boundaries

1:18,056



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, iPC, Maxar

ARCHDUKE 19 W2AP FED COM #1H

NAPP2102039553

A-19-24S-27E

32.209471,-104.222315

Legend



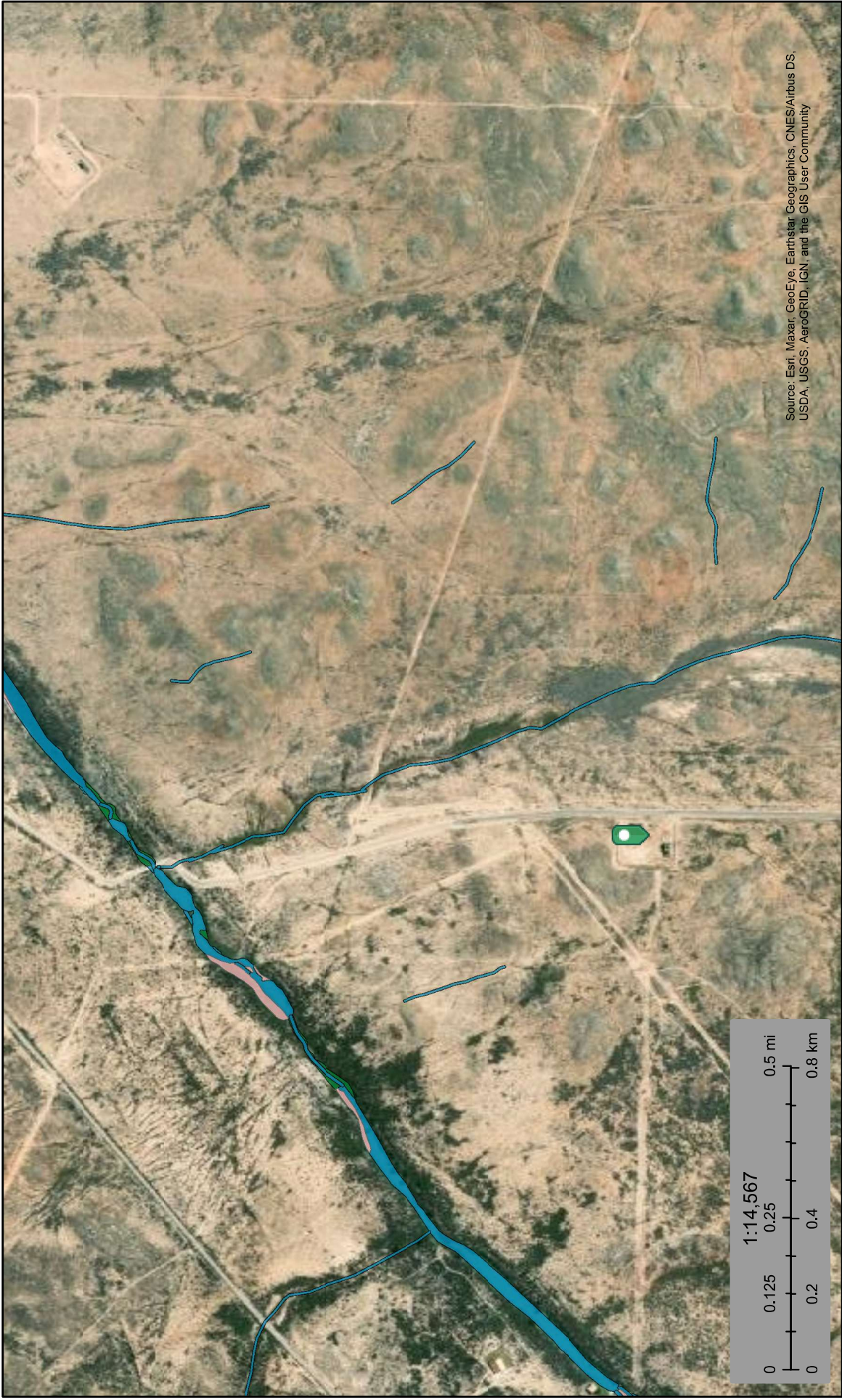
32.209471,-104.222315

High

Low

Medium





This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

May 11, 2021

- Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

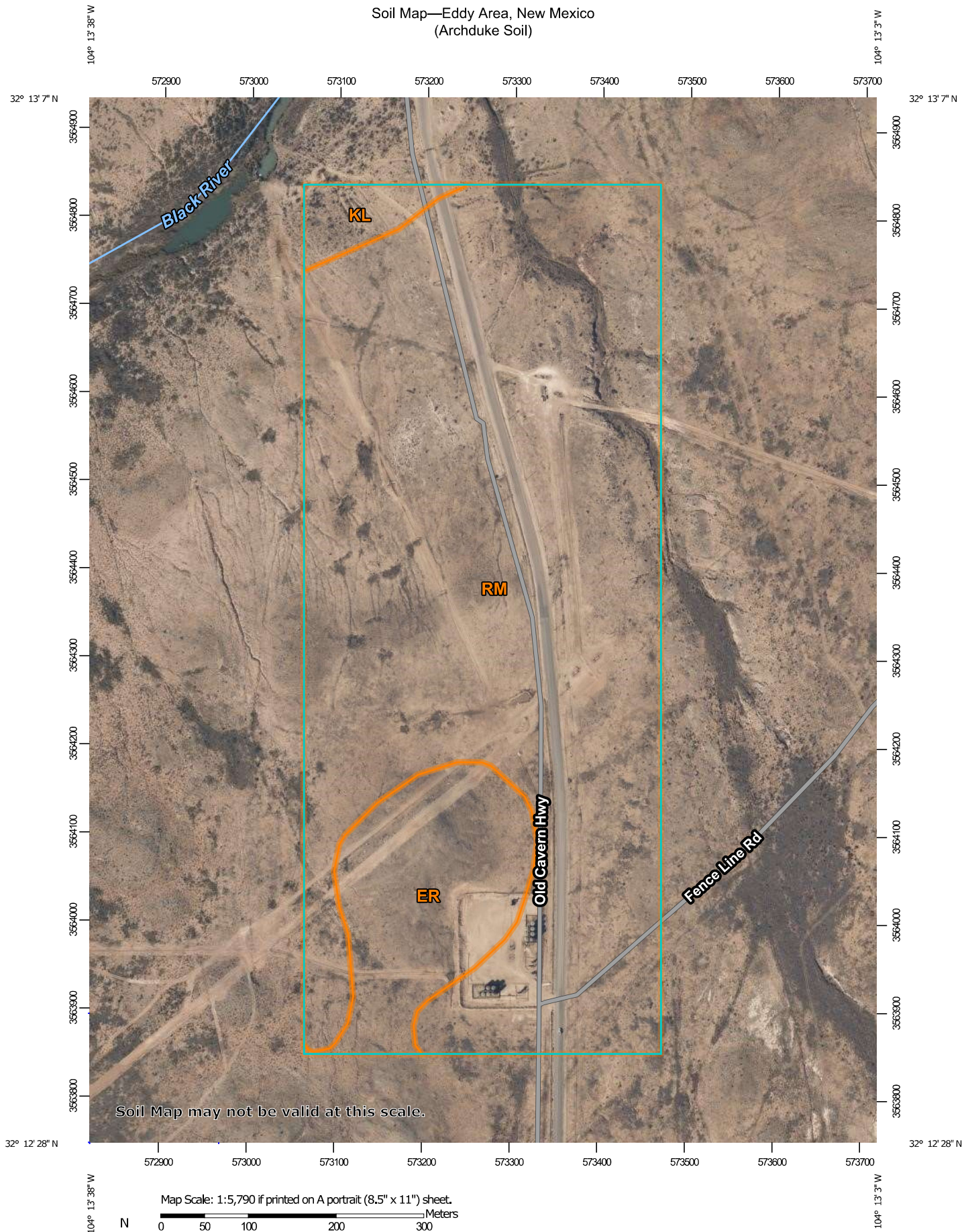
Freshwater Pond

Lake

Other

Riverine

Soil Map—Eddy Area, New Mexico (Archduke Soil)



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

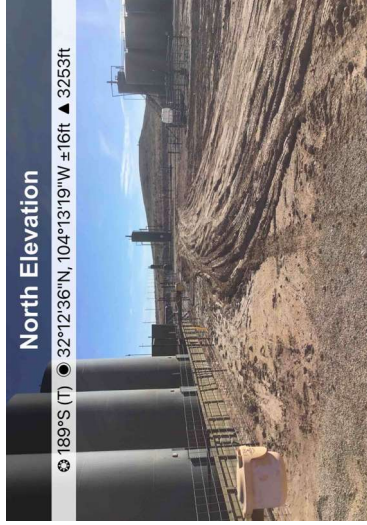
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

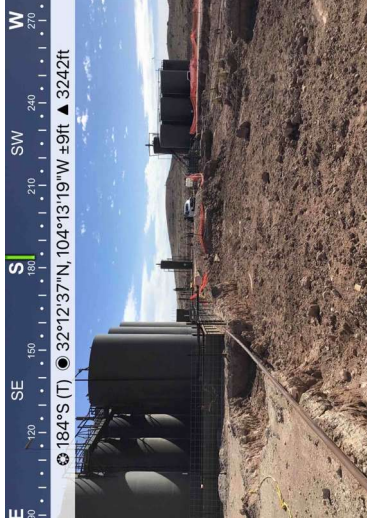
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ER	Ector-Reagan association, 0 to 9 percent slopes	12.9	13.0%
KL	Karro loam, 0 to 3 percent slopes	2.4	2.4%
RM	Reeves-Reagan loams, 0 to 3 percent slopes	84.3	84.6%
Totals for Area of Interest		99.7	100.0%

Facing North

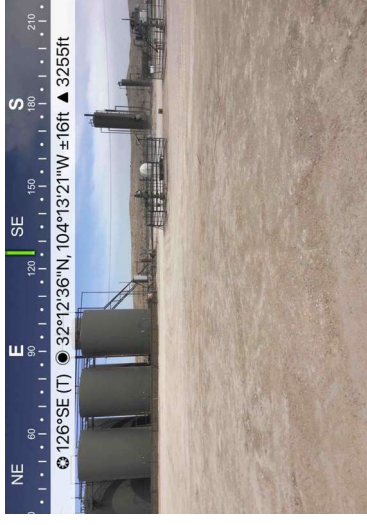
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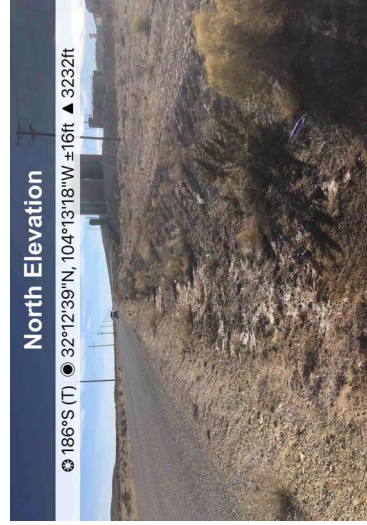
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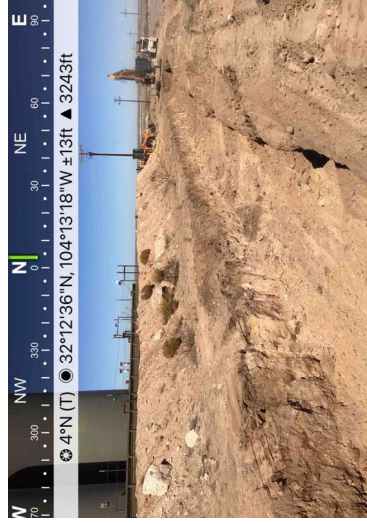
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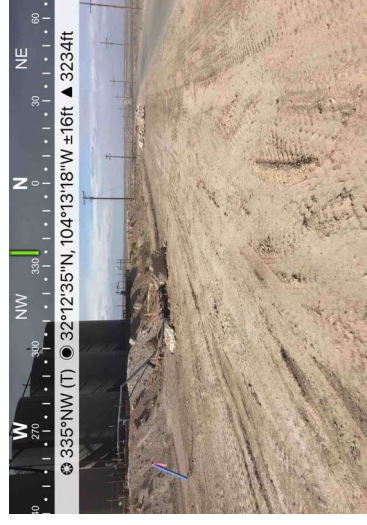
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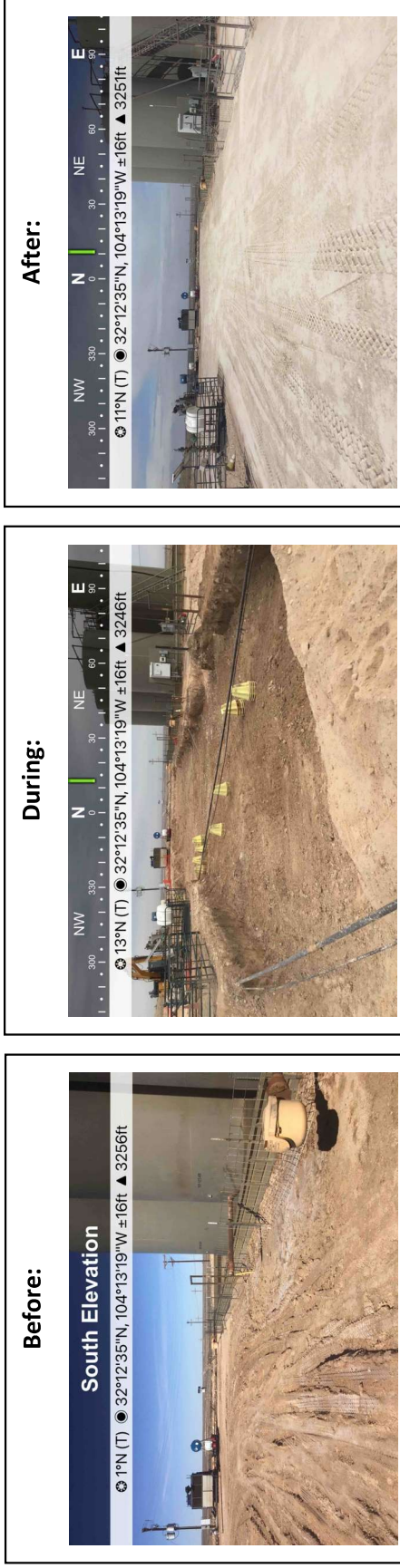
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After:

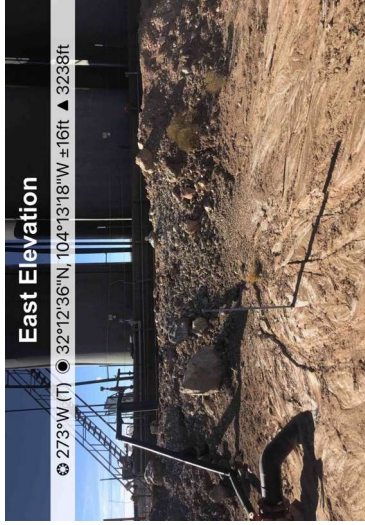


Facing South

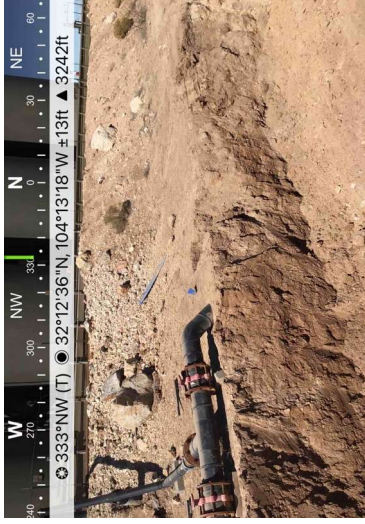


Facing East

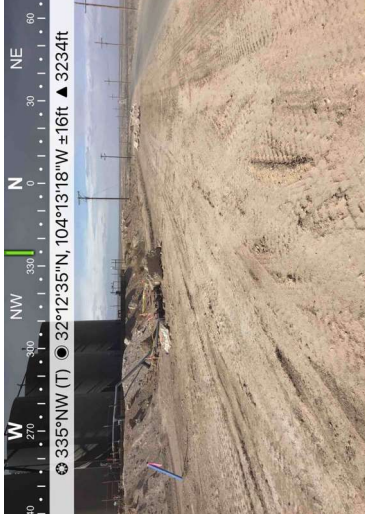
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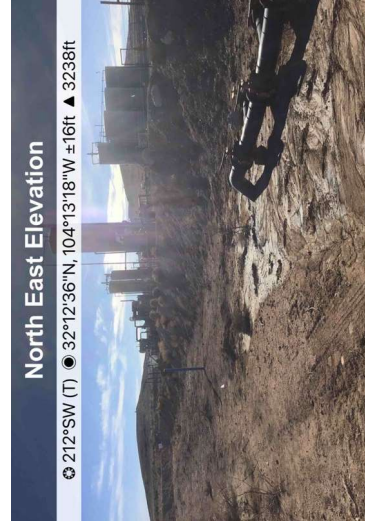
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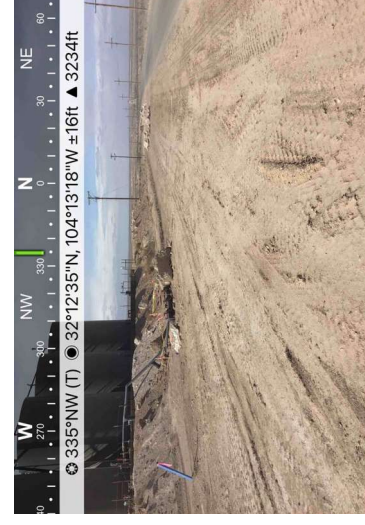
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During:

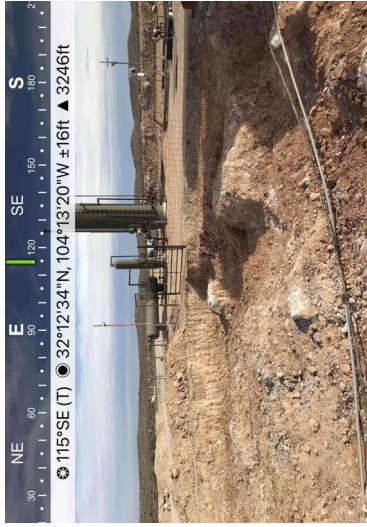


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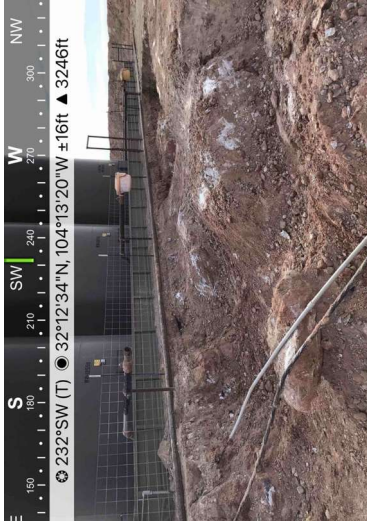


Further Photos

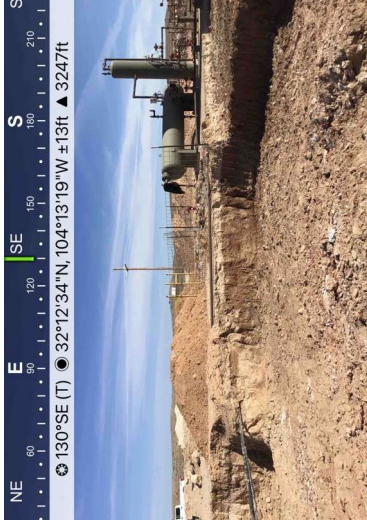
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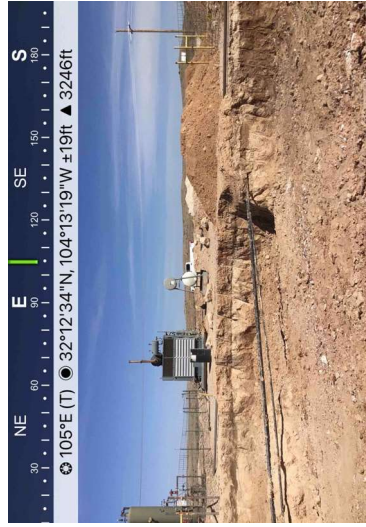
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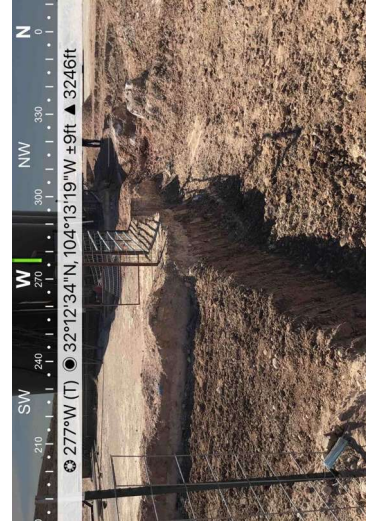
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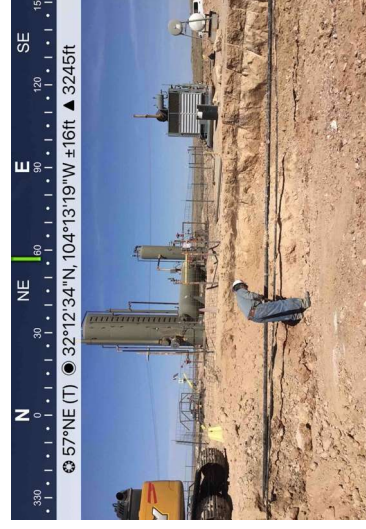
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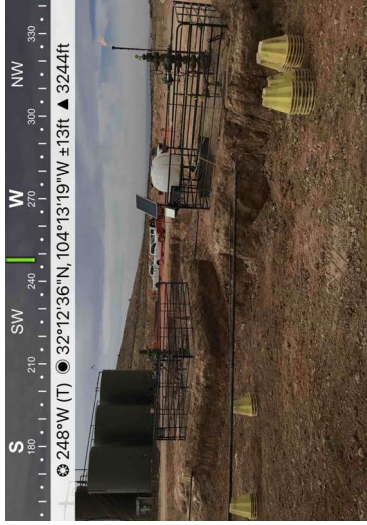


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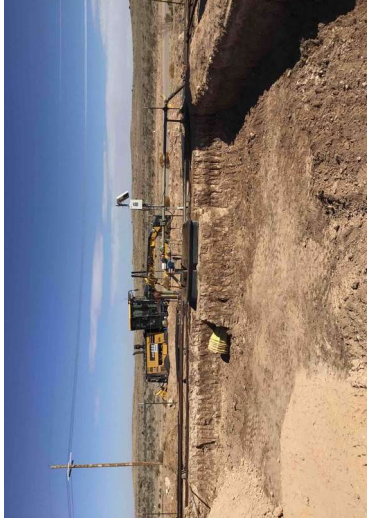


Further Photos

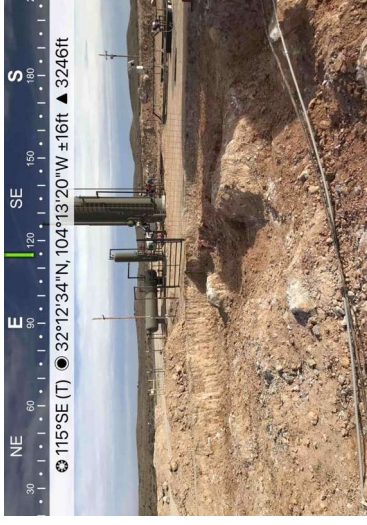
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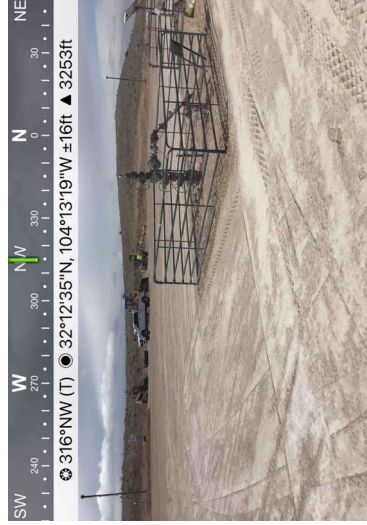
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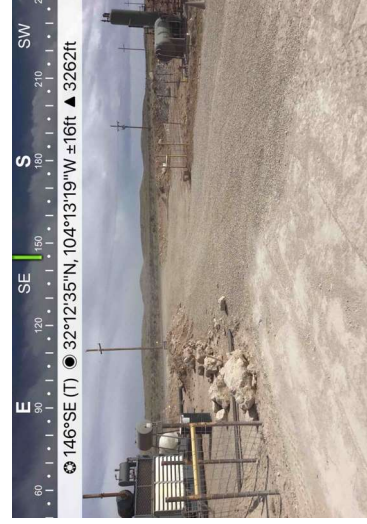
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After:



After:



After:

