NAPP2105549244

Hodges #015

API# 30-045-20186

Remediation Summary

On August 20, 2020 Coleman Oil and Gas removed the fiberglass below grade tank on the Hodges #015. When the BGT was removed it was noted the tank had lost integrity. Due to the sandy soil conditions the release was not previously noted as the hydrocarbons penetrated into the soil. 1 (5) point confirmation sample was collected where the BGT was removed. Once it was determined the release had occurred Coleman Oil and Gas immediately began remediation by excavation. Notice of analytical results were submitted to the NMOCD and Farmington BLM Office providing notice a release had occurred. A BLM representative was onsite during the BGT removal. Coleman excavated the release area, and all impacted soil was transported to Envirotech Landfarm.

INTAL BGT Analytical Results:

Benzene: 1.90 mg/kg

Total BETEX: 123 mg/kg

Gasoline Range 813 mg/kg

Diesel Range Organics 2,620 mg/kg

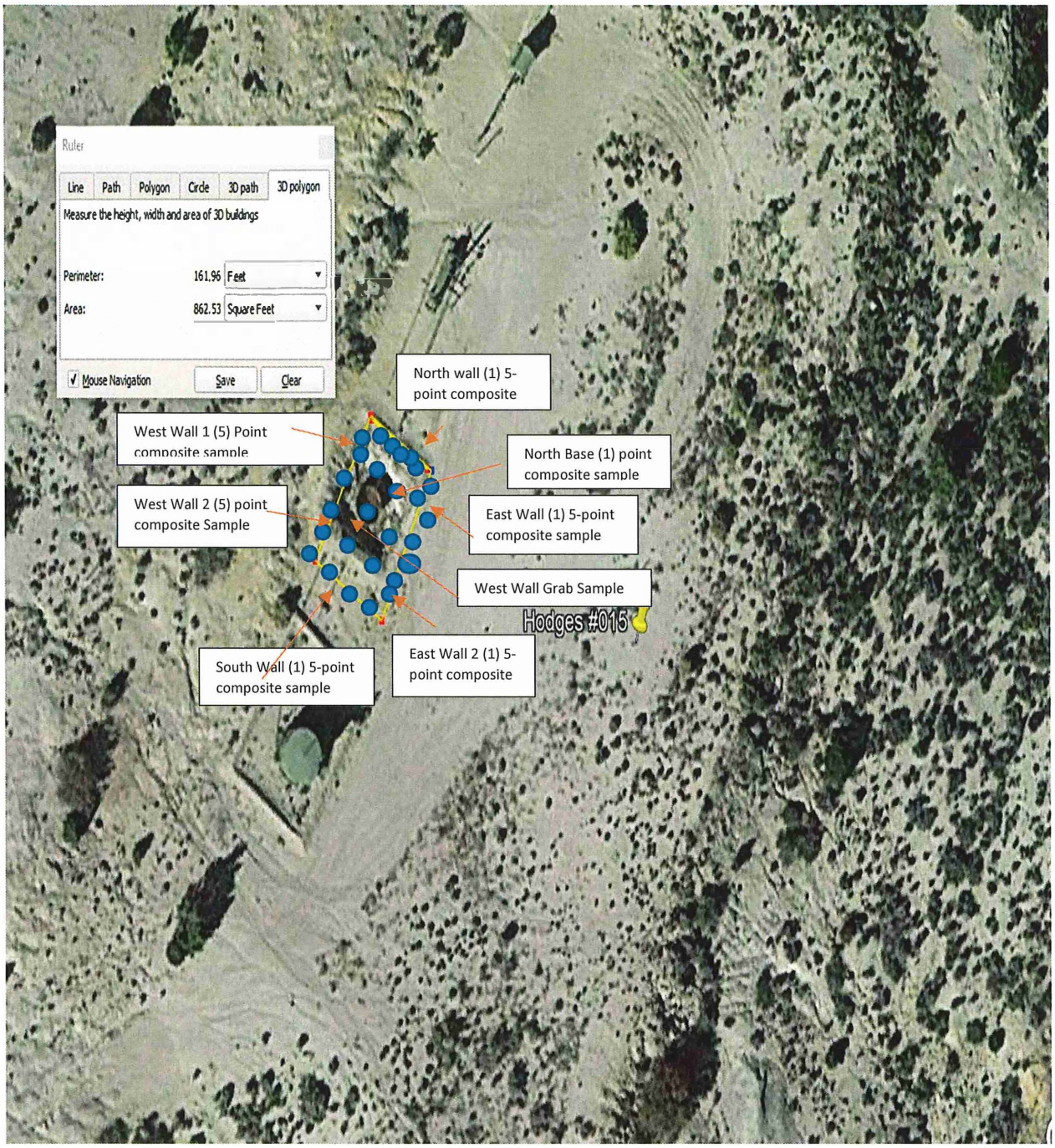
Oil Range Organics 488 mg/kg

Chlorides: 23.4 mg/kg

An initial C-141 is attached for Closure of the C-144 demonstrating a historical release. The NMOCD and BLM were notified of the release and given incident #. Final Confirmation Sampling was conducted on October 29,2020 (notification attached) the NMOCD representative was present for the sampling event. (8) 5 composite samples and (1) grab sample were collected each sampling area was 400sq feet quadrants with total square foot are of remediation of 60x20x 8. All analytical results were below regulatory standards except for West Wall 1 including the grab sample as well as the North Base. Coleman further exacted 1' of impacted soil and hauled to Envirotech Landfarm. Confirmation sampling of the two affected areas was scheduled on December 2, 2020. A NMOCD and/or BLM representative was not onsite for sampling. However, Walsh Engineering confirmed sampling area with NMOCD &BLM via phone prior to sampling. All analytical results returned below regulatory standards and the excavation area was backfilled to grade surface.

Sampling Table

Sampling Date:	Sampling Area:	Benzene	BTEX	Gasoline Range Organics	Diesel Range Organics	Oil Range Organics	Chloride
10/29/2020	South Base	Non-Detect	0.337 mg/kg	Non-Detect	384 mg/kg	143 mg/kg	Non-Detect
10/29/2020	North Base	Non-Detect	0.521 mg/kg	Non-Detect	1,220 mg/kg	445 mg/kg	Non-Detect
10/29/2020	Center Wall Grab	Non-Detect	126 mg/kg	1,220 mg/kg	4,770 mg/kg	888 mg/kg	Non-Detect
10/29/2020	West Wall #001	Non-Detect	0.496 mg/kg	Non-Detect	1,970 mg/kg	1,050 mg/kg	71.5 mg/kg
10/29/2020	West Wall #002	Non-Detect	0.103 mg/kg	Non-Detect	355 mg/kg	118 Mg/kg	Non-Detect
10/29/2020	East Wall #002	Non-Detect	0.0612 mg/kg	Non-Detect	408 mg/kg	152 Mg/kg	Non-Detect
10/29/2020	East Wall #001	Non-Detect	Non-Detect	Non-Detect	483 mg/kg	178 mg/kg	34.2 mg/kg
10/29/2020	South Wall	Non-Detect	0.136 mg/kg	Non-Detect	280 mg/kg	79.8 mg/kg	Non-Detect
10/29/2020	North Wall	Non-Detect	Non-Detect	Non-Detect	398 mg/kg	146 mg/kg	38.5 mg/kg
12/2/2020	West wall #001 including grab sample area	Non-Detect	1.58	Non-Detect	131 mg/kg	65.9 mg/kg	Non-Detect
12/2/2020	North Base	Non-Detect	0.557 Mg/kg	Non-Detect	42.6 Mg/kg	Non-Detect	Non-Detect


Ruler
Line
Path
Polygon
Circle
3D path
3D polygon
Measure the height, width and area of 3D buildings
Perimeter:
161.96
Feet
Area:
862.53
Square Feet
Mouse Navigation
Save
Clear
North wall (1) 5-point composite
West Wall 1 (5) Point composite sample
North Base (1) point composite sample
West Wall 2 (5) point composite Sample
East Wall (1) 5-point composite sample
West Wall Grab Sample
Hodges #015
East Wall 2 (1) 5-point composite
South Wall (1) 5-point composite sample

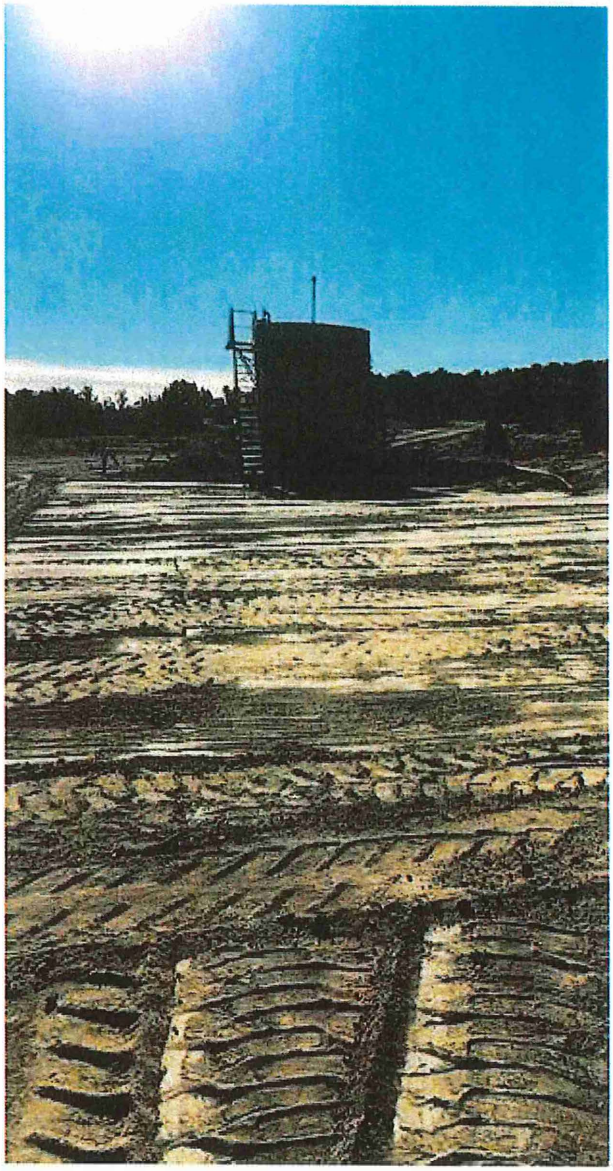
NMOCD 19.29.15

Closure Standard Table 1

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg


Coleman Oil & Gas, Inc.
(505) 327-0356
HODGES 15
LEASE# NMSF078432
API# 30-045-20186
NWNE Sec. 27-T26N-RO8W
872' FNL 1383' FEL Elev. 6954
Lat: 36.46274 Long: 107.66590
SAN JUAN COUNTY, NM.
DANGER
KEEP OUT
NO TRESPASSING



New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	SJ 00063	3	2	4	26	26N	09W	253268	4038101*

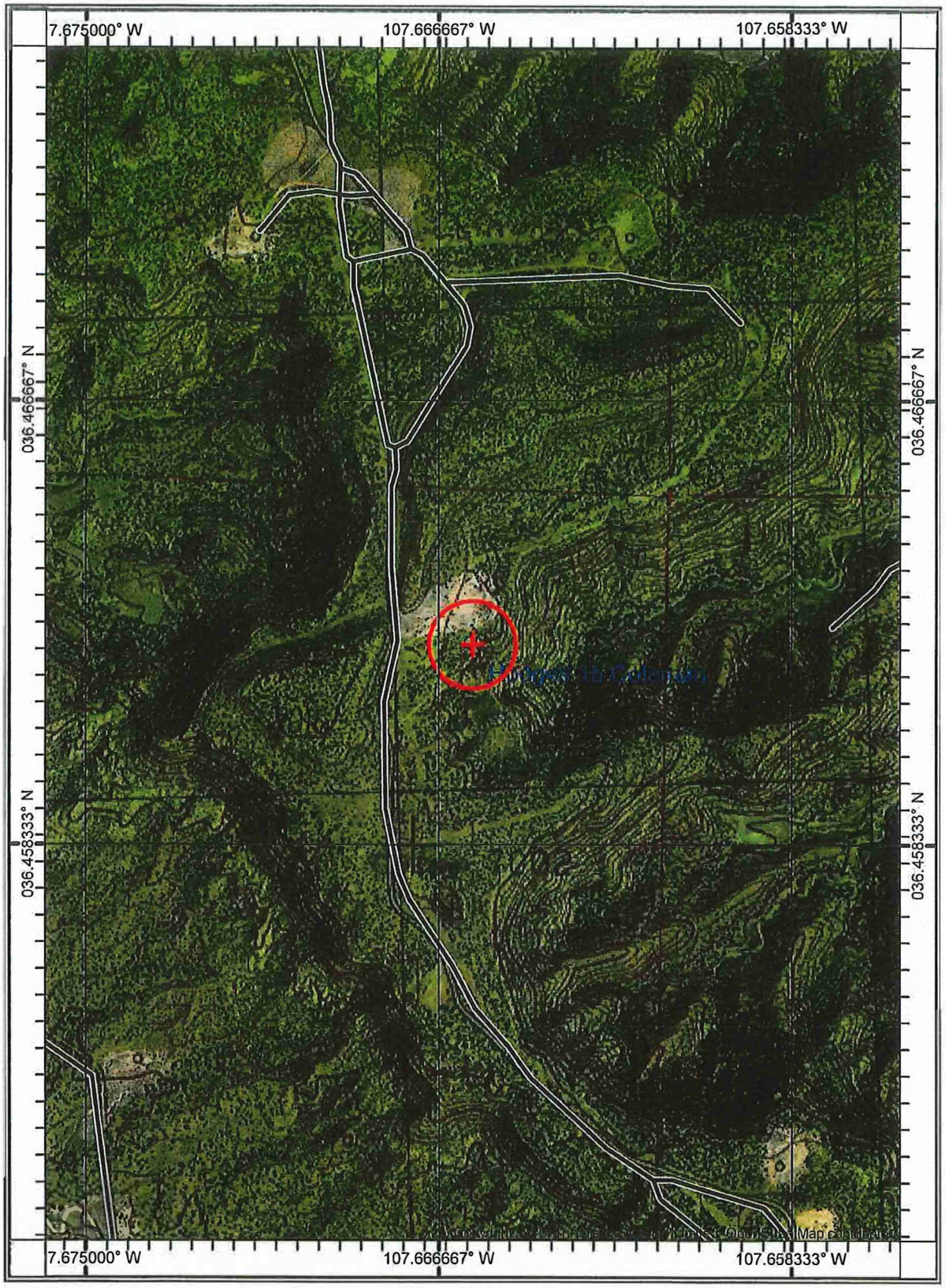
Driller License:	329	**Driller Company:**	BRANCH DRILLING COMPANY		
Driller Name:					
Drill Start Date:	08/02/1957	**Drill Finish Date:**	08/10/1957	**Plug Date:**	
Log File Date:	05/08/1958	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	32 GPM
Casing Size:	16.00	**Depth Well:**	479 feet	**Depth Water:**	234 feet

Water Bearing Stratifications:	Top	Bottom	Description
	421	465	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	307	479

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

10/3/19 9:08 AM POINT OF DIVERSION SUMMARY



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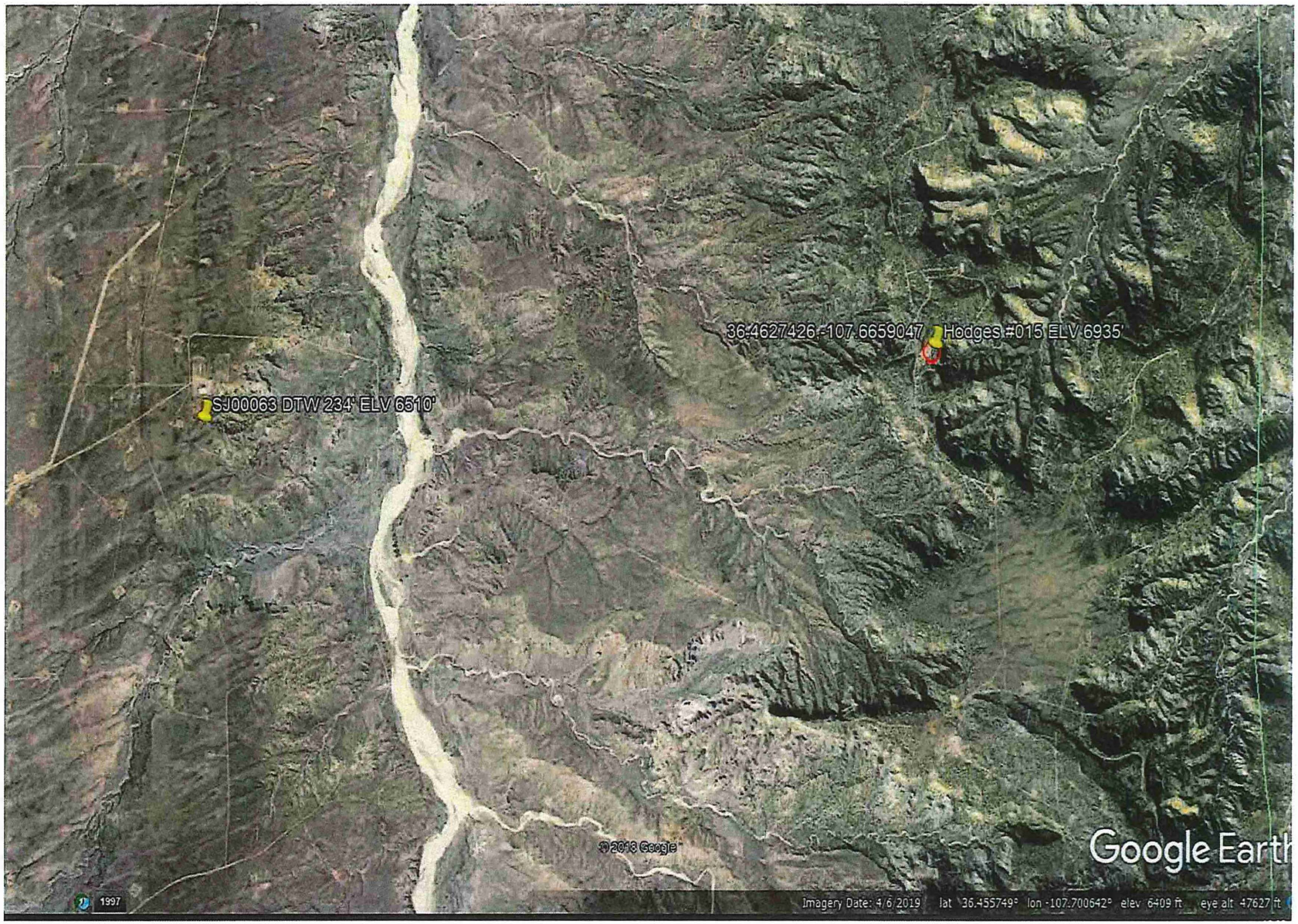
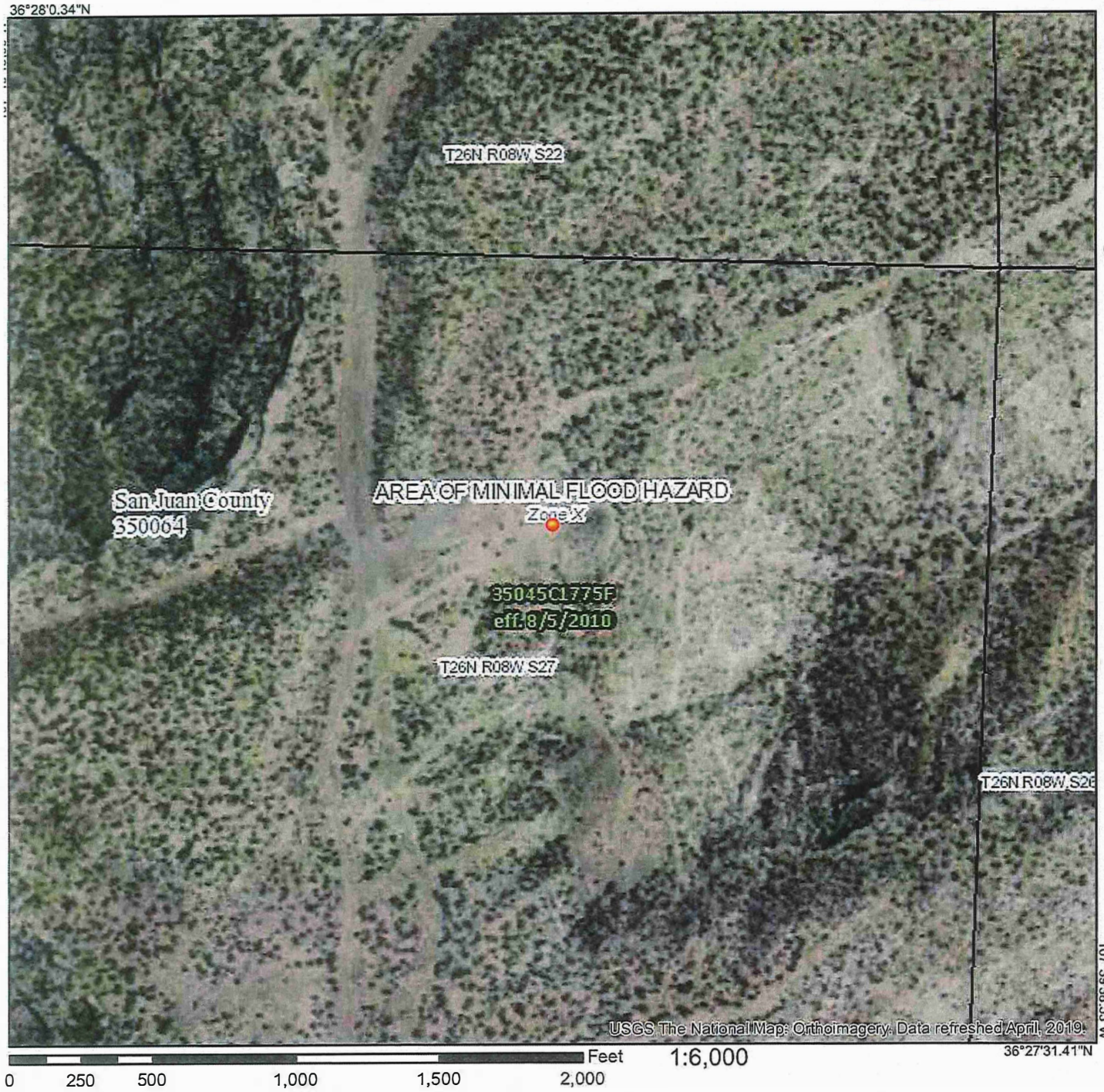
Feet


36.4627426 -107.6659047 Hodges #015 ELV 6935'
SJ00063 DTW 234' ELV 6510'
© 2018 Google
Google Earth
1997
Imagery Date: 4/6 2019 lat 36.455749° lon -107.700642° elev 6409 ft eye alt 47627 ft

National Flood Hazard Layer FIRMette

FEMA



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile *Zone*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

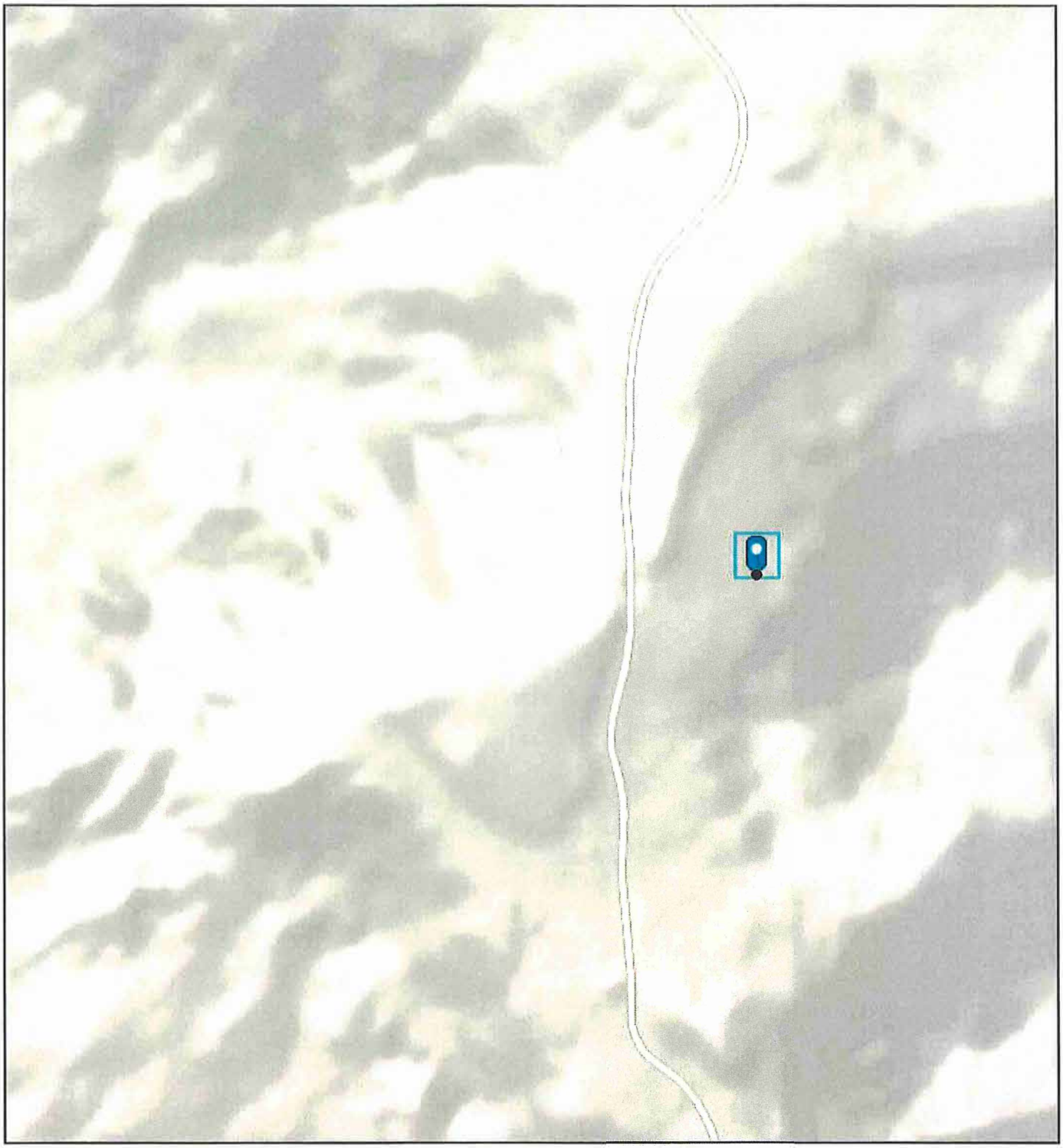
The pin displayed on the map is an approximate point selected by the user and does not represe an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/3/2019 at 11:50:13 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Coal Mines in New Mexico



10/3/2019, 9:41:33 AM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, Increment P Corp.

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappbuilder/index.html?id=7ebfa3c432db42978d66c99a9cc8311a)