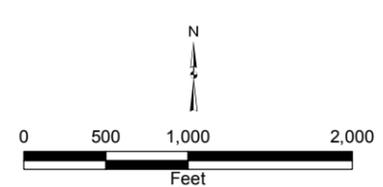


Aota Technical, LLC
Vecta Oil & Gas, Ltd.
Sammons Ranch 315310C
Geologic Hazards Map
 Las Animas County
 CSW Sec. 10, T31S R53W, 6th P.M.

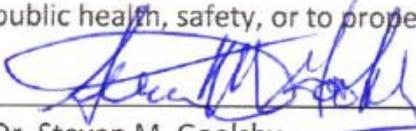
Date: 8/23/21
 Figure No.: Figure 6

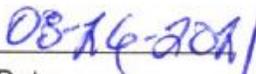
- Legend**
- Conventional Vertical Helium Gas Well
 - ⊕ Water Well Constructed
 - Working Pad Surface (200' x 200')
 - Oil and Gas Location (210' x 210')
 - 1 Mile from Working Pad Surface
 - Parcel Boundary



SELF-CERTIFICATION

I certify that I am qualified according to C.R.S. 23-41-208(1)(b) to have evaluated potential geologic hazards (including avalanche; dam/levee failure; drought; earthquake; erosion and deposition; expansive soils; extreme heat; flood; hail; landslide, mud/debris flow, rockfall (collectively, landslide); lightening; severe wind; subsidence; and tornado) within a 1-mile radius of the proposed Working Pad Surface from data provided by the Colorado Oil and Gas Conservation Commission, Colorado Geological Survey, Las Animas County Hazard Mitigation Plan and Map, USGS regional geologic mapping, and satellite imagery. My evaluation meets statutory and regulatory requirements by finding no geologic phenomenon which is so adverse to past, current, or foreseeable construction or land use as to constitute a significant hazard to public health, safety, or to property.


Dr. Steven M. Goolsby
AAPG DPA CPG #4053
Wyoming RPG #1927


Date

Sources:

Colorado Oil and Gas Conservation Commission,
https://cogccmap.state.co.us/cogcc_gis_online, Accessed: 04/26/21.

Colorado Geologic Survey, <https://coloradogeologicalsurvey.org/hazards/>, Accessed: 08/26/21.

Las Animas County Hazard Mitigation Plan and Map,
https://lasanimascounty.colorado.gov/sites/lasanimascounty/files/documents/Las_Animas_DRAFT_MASTER_9-12-16.pdf, Accessed: 06/10/21.

USGS Regional Geologic Mapping, <https://www.usgs.gov/products/maps/geologic-maps>, Accessed: 08/25/21.

Satellite Imagery, <https://earth.google.com/web/search>, Accessed: 08/25/21.