Mine Operation Plan (MOP)

For New Mexico State Land Office Construction Materials Lease

Lease Number: HA-340-0

Date: 3-14-2023

Company Name: Uinta Basin Sand LLC

Address: 6602 Ilex Circle, Naples Florida, 34109

Legal Land Description: See Attachment-A

New Mexico State Highway and Transportation Department Project Number: N/A

All materials to be mined and marketed (i.e. sand, gravel, dirt, caliche, gypsum, clay, stone, perlite, shale, volcanic deposits, crusher fines):

"Volcanic Deposits" is the material to be mined.

- The active mining area will be no more than 5 acres at any one time (unless site specific mining operations require more disturbance area and this is detailed in the Mine Operation Plan) and reclamation will begin as soon as 5 acres have been mined.
- Reclamation is to be carried out contemporaneously with mining so that at any given time all previously mined acreage is under reclamation and no more than 5 acres are being actively mined without express written approval by the Commissioner of Public Lands.
- The area used for processing operations and stockpiling is to be kept to a minimum and reclaimed as soon as it is no longer needed for processing or stockpiling material.
- The topsoil on the processing area is to be removed and stockpiled prior to installing any equipment or improvements. No topsoil will be sold or removed from the site unless specifically approved in the lease.
- The lease site will be kept free of junk and debris. No trash or garbage will be buried on site.

REMINDER: If the total area of disturbance is 10 or more acres, the MOP is to be prepared, signed and stamped by a registered professional engineer.

The MOP for long-term projects, such as quarries, must include the long-range plans for the lease site as well as the plans for the lease term. The MOP for short-term projects, typically one year or less, addresses plans for the lease term only. Any other information relevant to the specific operation should also be included.

Required Mine Operations Plan information: (If any item does not apply, please explain an N/A.)

■ 1. Description of the existing road access to the lease site, including distances, state highway and county road numbers, and local and private road names. This may be done by annotating a topographic map.

ATTACHMENT-B, annotated Topographic Map shows access from State Land to Highway 193 via a new (4 mile) Haul Road to be constructed on Private Land (Silver Spur Ranch) per the ranch owners preference to access the property from the East.

■ 2. Locations and lengths of any proposed new haul or access roads to be constructed on the mineral lease site. Any road constructed on State Trust land has to be approved pursuant to SLO Rules 10 (19.2.10 NMAC) and 20 (19.2.20 NMAC). A right-of-way will be required if access is not through a county road or if crossing SLO trust land not included in the mining lease. When the mining operation is complete, the haul and access roads built for the mining operation may have to be removed following SLO Rule 20 (19.2.20 NMAC). The access or haul roads may be shown on a topographic map. The SLO Right-of-Way group may be contacted at 505-827-5789.

ATTACHMENT-B, also 2.5 mile new Haul Road on State Lease to serve all of Lease for life of mine.

■ 3. A plat showing scaled locations of the pit site or the area to be mined.

ATACHMENTS C-1&2 (map of Mine Plan Layout & Mining Sequence)

■ 4. Approximate amount, either weight or volume, of material to be removed during the term of the lease, or over the remaining life of the mine:

ATTACHMENT-D, approximately Seven (7) Million Tons are planned to be removed over life of mine.

■ 5. *Describe how you intend to track, record and pay the State Land Trust on a monthly basis for all material mined and removed from the site:

ATTACHMENT-E, All material mined and removed from the site will be measured, tracked, recorded, and reported using state of the art Loader Scales, onboard, and with 3G remote connection to computer in office.

***Note: Upon completion of mining and reclamation at the mineral lease site, the Commissioner may deem it necessary to conduct an audit of the lessee's records and/or a final volumetric survey of the mineral lease removal area as final verification that the volume of material removed and paid for was accurate. This survey will serve as final assurance that all material removed was appropriately measured and paid for. Should a volumetric discrepancy be found, it will be necessary for the lessee to reconcile that discrepancy to the Commissioners satisfaction prior to lease close-out and final bond release.**

■ 6. Number of acres to be disturbed during both the lease term and the life of the mine for the mining area and for the processing area:

Approximately 86 acres will be disturbed during lease term. Approximately 337 acres will be disturbed Life of Mine.

■ 7. Estimated depth and thickness of topsoil and depth and thickness of overburden present at the mine site:

Average Depth of Topsoil is estimated at two (2) feet. Topsoil is the overburden.

■ 8. Plans for preserving the topsoil and overburden stockpiles throughout the life of the mine so that they are available for use in reclamation, including topsoil that is removed prior to

construction of processing areas for equipment and improvements such as crushers, hot-mix plants, or water impoundments:

ATTACHMENT-F Details Topsoil handling.

■ 9. A list and short description of all improvements and equipment to be placed or built on the site for mining and processing the minerals, e.g. crushing and screening plants, hot-mix plants, concrete plants, weigh scales, concrete foundations and piers, fences, and water impoundments or storage tanks:

ATTACHMENT-G, Office & Shop with security fence with drain field, and a small diesel generator. Location on ATTACHMENT-H.

■ 10. List all material types and quantities that will be hauled, stored or utilized on-site as part of any processing activities (i.e. binders, additives, asphalt recycle, concrete additives, etc).

All of the mined material, except large rocks, will be hauled to off-site grinding plant.

■ 11. Description of disposal plan for any remaining material used for processing activities that was hauled from off-site (no off-site derived products may be disposed of on State Trust Lands for any reason).

No off-site material or products will be disposed of on State Land Lease.

■ 12. Plans for disposing of tailings and other mine waste materials, e.g. using crusher fines for backfilling the pit:

All fines, including crusher fines, will be hauled away from State Lease as part of the product. Oversized rocks will be screened out and returned to the pit before reclamation. Disposal of waste materials covered in ATTACHMENT - I.

■ 13. The plans, if any, for drilling and developing water wells on the lease site:

ATTACHMENT - J, A single GW well will be permitted, drilled, and fitted with a solar powered pump.

■ 14. Description and design of any dams, impoundments or other methods of control to be built for runoff and run-on water and sediment control:

The mine plan design retains natural (consequent) drainages, almost completely intact, and no dams or impoundments are planned except for necessary storm water management structures.

■ 15. Description and design of any slope stabilization methods to be used:

Temporary slopes created by the mining "lifts" are planned to be maximum of 20 feet. These slopes will be stabilized as needed with approved materials.

■ 16. Description of any blasting procedures to be used:

Blasting is not anticipated. The volcanic material is soft enough to be loaded directly from the pit into a haul truck with an excavator.

☐ 17. (A) Proposed depth of the pit at the end of the lease term; (B) proposed depth after mining is complete; and (C) proposed final depth after reclamation is complete. If a pit will not be excavated, please state what the total drop in mine site elevation is planned to be.

(A) **20 ft.** (B) **~30 ft.** (C) **~29 ft.**

Include an up-to-date Plan View sketch of the entire lease site showing the following:
(A map printed from the State Land Office website, using the GIS system may be helpful: http://landstatus.nmstatelands.org):

■ 18. Location and dimensions of the current and proposed pit or mined area, mining sequence, direction of mining, and location of scales (if applicable).

ATTACHMENTS C-1 & C-2 details mining pit layout and direction of mining.

■ 19. Location and dimensions of any existing and proposed pits, trenches, highwalls, previously disturbed areas, etc.

No existing pits. Previously disturbed areas are limited to undeveloped roads.

■ 20. The locations and size of all existing and proposed stockpiles, such as topsoil, overburden, mined materials, crusher fines, waste materials, etc.

Topsoil will be stockpiled until used in reclamation. All mined material will be hauled from State Land with NO long-term stockpiles.

■ 21. Location and dimensions of all current and proposed improvements and equipment to be installed on the site.

There are currently no improvements. Planned improvements and equipment shown on ATTATHCMENT - G.

■ 22. Locations of current and proposed dams and impoundments to be built for runoff and run-on water and sediment control.

There are no current dams or impoundments within the lease area. Detailed storm water planning may include small impoundments for runoff and sediment control.

■ 23. Existing and planned fences and roads.

ATTACHMENT-H shows Existing Fences, ATTACHMENT-B shows haul roads.

■ 24. Anything else located on the lease site such as pipelines, oil/gas wells, electric transmission lines, etc.

We are not aware of any pipelines, oil/gas wells, electrical transmission lines or other infrastructure on the lease area.

■ 25. If locations are specified in Universal Transmercator (UTM) coordinates, include the datum used.

Locations presented on Attachments C-1&2 are UTM NM-E Zone 13-S,. All other maps (Google Earth) are WGS 1984, EPSG:4326 datum.

■ 26. Location of on-site ROWs such as pipelines, oil/gas wells, and electric transmission lines. (SLO Right of Way group number: (505)827-5789)

We are not aware of any Rights of Way across the Lease Area.

Include sketches and discussion of the mining sequences, referenced to the Plan View sketch of the site, including:

■ 27. Where mining will begin:

Near the south edge of section 19. Mining blocks are numbered in order of mining on ATTACHMENT C-2.

■ 28. What direction the mining will move:

ATTACHMENT C-1 shows direction of mining with arrows.

■ 29. Area to be mined during new lease term:

Mining will commence in Section 19 then move into Section 18 during first Lease Term.

■ 30. Plans and schedules for concurrent mining and reclamation activities:

ATTACHMENT C-2 shows Mining & Reclamation Sequence planned in 5 acre pit layouts. Continuous Reclamation will ensure there will never be more than 10 acres open (awaiting reclamation) at any time.

■ 31. The proposed schedule and timetables, including months and years, for the entire operation:

Daylight operation only, during months that do not conflict with rancher hunting activities. Detailed Schedule created prior to mining start up.

■ 32. Where the crusher will be relocated as the pit or mined area expands:

We do not anticipate the need for a crusher. The mined material may be dumped into a mobile "grizzly or screen-set" in the pit.

Include:

■ 33. A description of methods to be used for dust suppression and control on the lease site:

Fugitive dust along the haul roads and within the pit will be suppressed/controlled using water sprayed from a water truck. Magnesium chloride may be used on haul roads as additional dust control.

■ 34. A Spill Prevention, Reporting, and Cleanup Plan for hazardous materials:

ATTACHMENT - I details the hazardous material containment plan.

■ 35. A Disposal Plan for solid and liquid wastes, and hazardous wastes:

ATTACHMENT - I, also details plan for disposal of hazardous wastes.

■ 36. A Security and Access Control Plan including a description of fencing and number and location of "No Trespassing" signs to be installed:

Security fencing will surround the mobile office and small shop area, which will also secure mining equipment during non-mining hours. No-Trespassing signs will be installed as appropriate with coordination of the State Land Office and Rancher.

☒ 37. Cultural Compliance

- If a new mining site (no prior mining), a Class III archaeological survey is required per the Cultural Properties Protection Rule (19.2.24.8 (E) (4) NMAC). Your archaeological consultant will provide you with the NMSLO Cultural Resources Cover Sheet to include in your plan. For more information, contact the Cultural Resources Office at croinfo@slo.state.nm.us.

- If a New Mexico Department of Transportation project, the letter of clearance must be sent to the SLO Minerals Manager; reports of findings are sent directly to the SLO Cultural Resources Office at croinfo@slo.state.nm.us.

ATTACHMENT-K is a Class I Archeological Survey. A Class III survey will be completed prior to disturbance.

☒ 38. A list of all federal, state, and local permits required for this particular operation, e.g. Army Corps of Engineers Section 404 permits, US EPA National Pollutant Discharge Elimination System (NPDES) Permits, New Mexico Environment Department (NMED) Air Quality Permits, etc.

NPDES and 404 permits are not anticipated. An Air Quality Permit will be obtained if required.

☒ 39. Endangered Species clearance (If applicable)
A letter of clearance must be sent to the SLO Minerals Manager; the full report is sent to the SLO Conservation Biologist.

Endangered Species Clearance is not anticipated, however, if appropriate a letter of clearance and full report will be obtained.

I affirm that the above statements are true and accurate to the best of my knowledge and belief.

Uinta Basin Sand LLC
Company Name

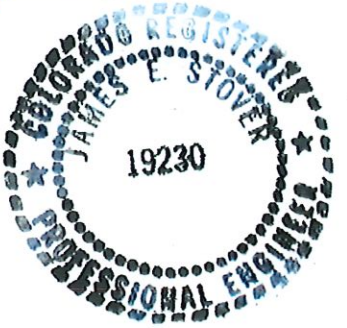
14 March 2023
Date

Authorized Agent Signature

Gregory Hunt
Printed Signature

Registered Professional Engineer Signature
(Required for total area disturbance of 10 or more acres)

SEAL:



NEW MEXICO STATE LAND OFFICE
REVIEWED BY:

Bryan Vleter
Name

3-22-2023
Date

ATTACHMENT – A

LEGAL DESCRIPTION

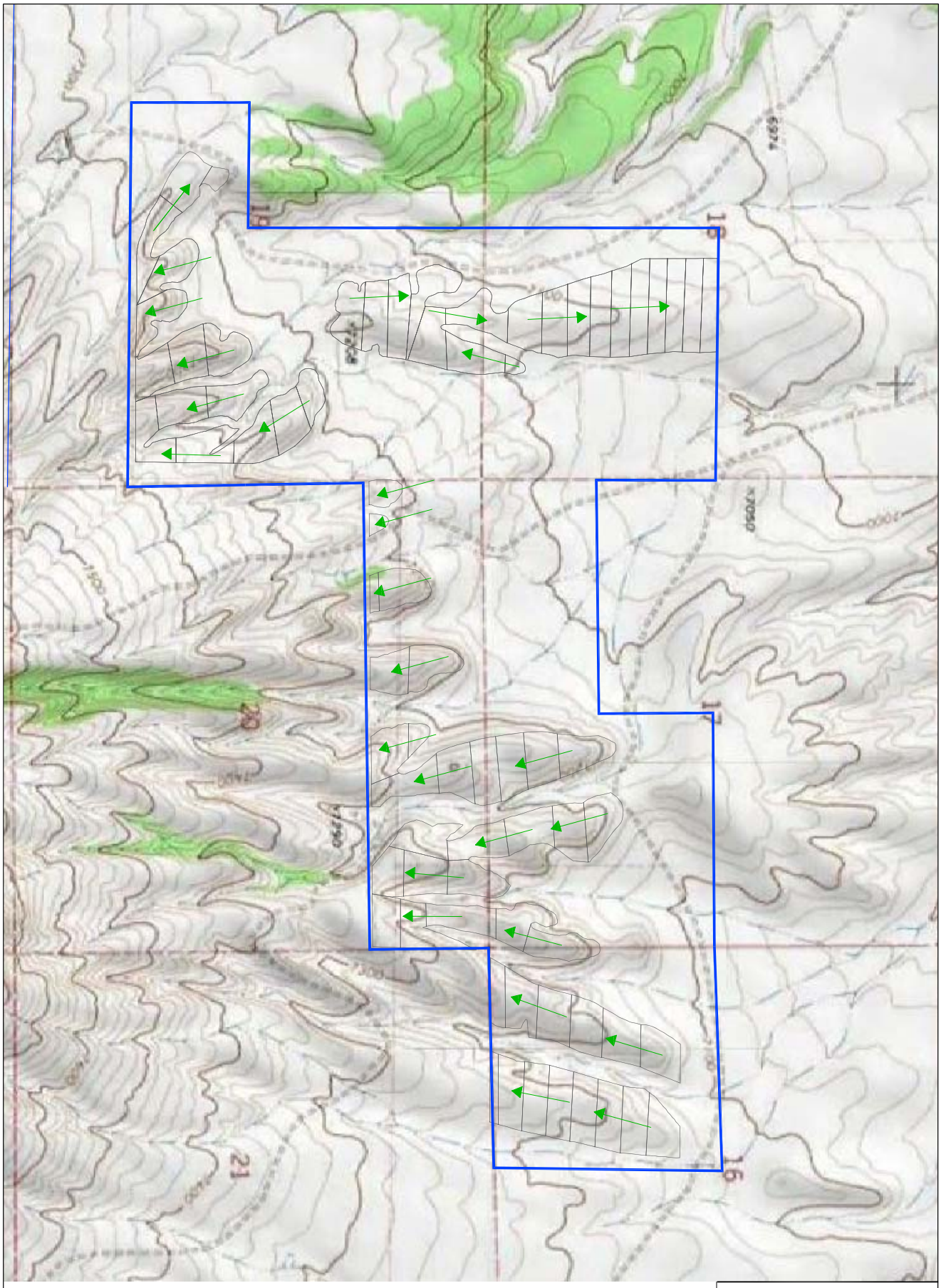
PROPOSED UINTA BASIN MINING LLC, NM SLO MINERAL LEASE

LEASE NO: HA-340-0

SURVEY TYPE	SUBDIVISION	TWP	RGE	SEC	ACRES
Aliquot Part	SW4	28N	26E	16	160.00
Aliquot Part	N2SE4, S2S2	28N	26E	17	240.00
Aliquot Part	SE4	28N	26E	18	160.00
Aliquot Part	NE4, N2SE4, NE4SW4	28N	26E	19	280.00
Aliquot Part	N2N2	28N	26E	20	160.00

TOTAL ACEAGE: 1000.00

ATTACHMENT-B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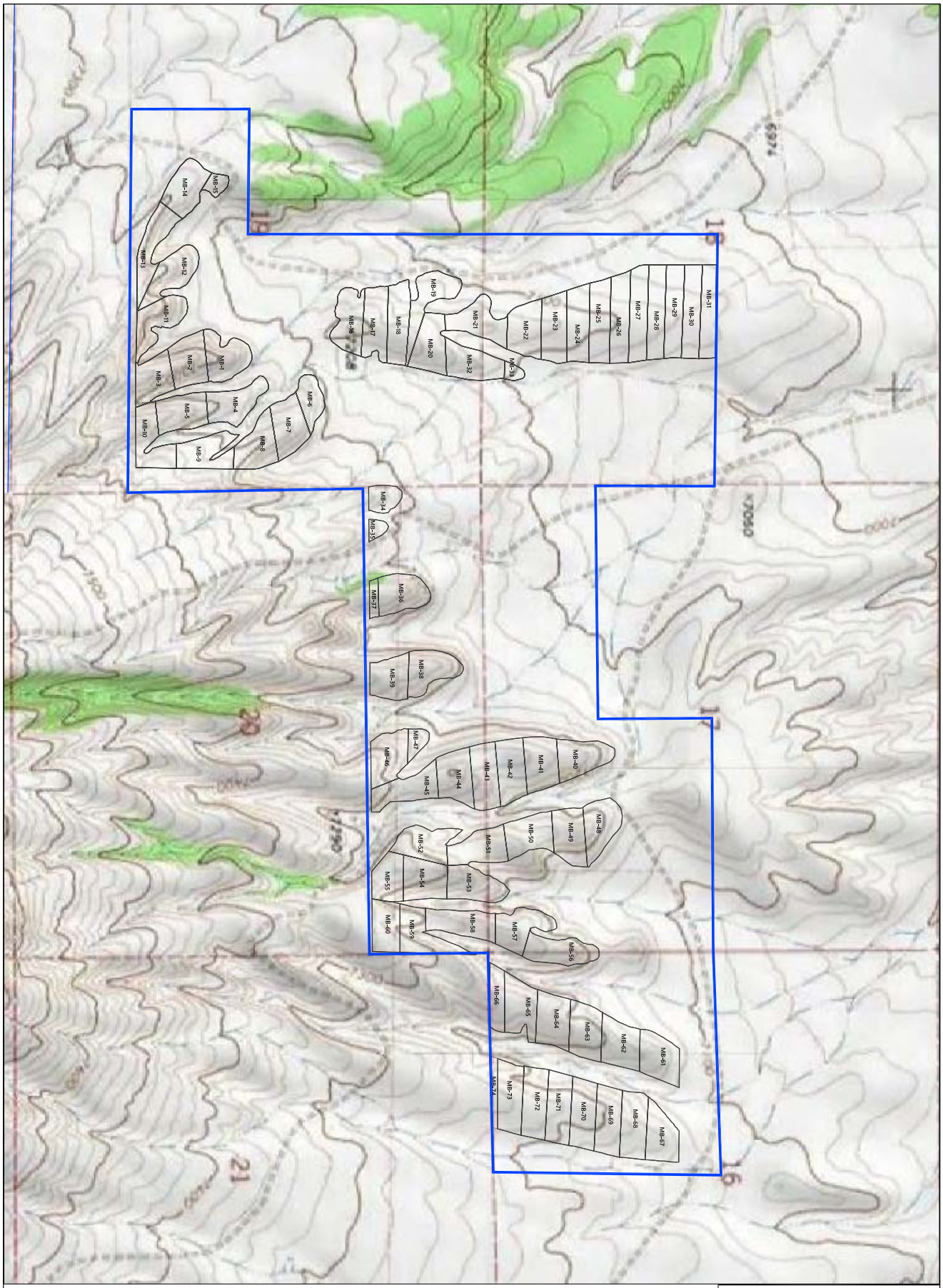
SCALE: 1:12,000 or 1" = 1,000'
1,000 ft
N
USGS Base Map
MESA LARGA Quadrangle
7.5 Minute Series
Coordinate System NAD 83
UTM NM-E Zone 13 S - Feet
Proposed Colfax County Lease Boundary
Five Acre Mining & Reclamation Block
Direction of Mining & Reclamation
Colfax County Mine
Attachment C-1
Mine Plan of Operation
Surface Mine Blocks
DRAWN BY: Gregory Hunt
DATE: 3/11/23
REVIEWED BY: J E Stover
DATE: 3/13/23
Geo-Hunt Consulting LLC



SCALE: 1:12,000 or 1" = 1,000'

0 1,000 ft

N

USGS Base Map
MESA LARGA Quadrangle
7.5 Minute Series
Coordinate System NAD 83
UTM NM-E Zone 13 S - Feet

Proposed Colfax County Lease Boundary

Five Acre Mining & Reclamation Block

Mining Block Number MB-1

Colfax County Mine

Attachment C-2

Mine Plan of Operation
Surface Mine Blocks

DRAWN BY: Gregory Hunt	DATE: 3/11/23
REVIEWED BY: J E Stover	DATE: 3/13/23

Geo-Hunt Consulting LLC

ATTACHMENT-D

Planned Mining Blocks & Mined Volume Estimate (3-21-22)

Prepared by Geo-Hunt Consulting LLC			In Place Density lbs/ft^3		80		AVG Recovery	95%
MINING BLOCK	AREA Acres	AREA ft sq	Mining LIFT THK ft.	In-Place CUBIC FEET	In-Place TONS	Recoverable TONS	PRODUCT TONS (Millions)	CUM TONS
LHMB-1	5.3	231,304	20.0	4,626,072	185,043	175,791	0.18	0.18
LHMB-2	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	0.34
LHMB-3	4.4	191,664	20.0	3,833,280	153,331	145,665	0.15	0.49
LHMB-4	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	0.65
LHMB-5	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	0.82
LHMB-6	3.0	130,680	20.0	2,613,600	104,544	99,317	0.10	0.92
LHMB-7	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	1.08
LHMB-8	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	1.25
LHMB-9	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	1.41
LHMB-10	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	1.58
LHMB-11	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	1.74
LHMB-12	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	1.91
LHMB-13	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	2.08
LHMB-14	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	2.24
LHMB-15	1.2	52,272	20.0	1,045,440	41,818	39,727	0.04	2.28
LHMB-16	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	2.41
LHMB-17	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	2.53
LHMB-18	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	2.65
LHMB-19	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	2.78
LHMB-20	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	2.90
LHMB-21	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	3.03
LHMB-22	5.0	217,800	12.0	2,613,600	104,544	99,317	0.10	3.13
LHMB-23	5.0	217,800	12.0	2,613,600	104,544	99,317	0.10	3.22
LHMB-24	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.31
LHMB-25	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.39
LHMB-26	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.47
LHMB-27	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.56
LHMB-28	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.64
LHMB-29	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.72
LHMB-30	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	3.80
LHMB-31	4.2	182,952	10.0	1,829,520	73,181	69,522	0.07	3.87
LHMB-32	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	4.00
LHMB-33	0.9	39,204	12.0	470,448	18,818	17,877	0.02	4.02
LHMB-34	2.3	100,188	12.0	1,202,256	48,090	45,686	0.05	4.06
LHMB-35	0.9	39,204	12.0	470,448	18,818	17,877	0.02	4.08
LHMB-36	5.0	217,800	20.0	4,356,000	174,240	165,528	0.17	4.24
LHMB-37	1.0	43,560	20.0	871,200	34,848	33,106	0.03	4.28
LHMB-38	5.0	217,800	12.0	2,613,600	104,544	99,317	0.10	4.38
LHMB-39	5.0	217,800	15.0	3,267,000	130,680	124,146	0.12	4.50

Prepared by Geo-Hunt Consulting LLC			In Place Density lbs/ft^3		80		AVG Recovery	95%
MINING BLOCK	AREA Acres	AREA ft sq	Mining LIFT THK ft.	In-Place CUBIC FEET	In-Place TONS	Recoverable TONS	PRODUCT TONS (Millions)	CUM TONS
LHMB-40	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	4.58
LHMB-41	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	4.67
LHMB-42	5.0	217,800	11.0	2,395,800	95,832	91,040	0.09	4.76
LHMB-43	5.0	217,800	11.0	2,395,800	95,832	91,040	0.09	4.85
LHMB-44	5.0	217,800	12.0	2,613,600	104,544	99,317	0.10	4.95
LHMB-45	5.0	217,800	13.0	2,831,400	113,256	107,593	0.11	5.06
LHMB-46	5.0	217,800	13.0	2,831,400	113,256	107,593	0.11	5.16
LHMB-47	1.4	60,984	11.0	670,824	26,833	25,491	0.03	5.19
LHMB-48	5.0	217,800	8.0	1,742,400	69,696	66,211	0.07	5.26
LHMB-49	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	5.34
LHMB-50	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	5.42
LHMB-51	5.0	217,800	11.0	2,395,800	95,832	91,040	0.09	5.51
LHMB-52	5.0	217,800	11.0	2,395,800	95,832	91,040	0.09	5.60
LHMB-53	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	5.69
LHMB-54	5.0	217,800	11.0	2,395,800	95,832	91,040	0.09	5.78
LHMB-55	4.0	174,240	12.0	2,090,880	83,635	79,453	0.08	5.86
LHMB-56	5.0	217,800	8.0	1,742,400	69,696	66,211	0.07	5.92
LHMB-57	5.0	217,800	8.0	1,742,400	69,696	66,211	0.07	5.99
LHMB-58	5.0	217,800	9.0	1,960,200	78,408	74,488	0.07	6.06
LHMB-59	5.0	217,800	9.0	1,960,200	78,408	74,488	0.07	6.14
LHMB-60	4.1	178,596	10.0	1,785,960	71,438	67,866	0.07	6.21
LHMB-61	5.0	217,800	8.0	1,742,400	69,696	66,211	0.07	6.27
LHMB-62	5.0	217,800	8.0	1,742,400	69,696	66,211	0.07	6.27
LHMB-63	5.0	217,800	9.0	1,960,200	78,408	74,488	0.07	6.35
LHMB-64	5.0	217,800	9.0	1,960,200	78,408	74,488	0.07	6.42
LHMB-65	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	6.50
LHMB-66	2.8	121,968	10.0	1,219,680	48,787	46,348	0.05	6.55
LHMB-67	5.0	217,800	7.0	1,524,600	60,984	57,935	0.06	6.61
LHMB-68	5.0	217,800	7.0	1,524,600	60,984	57,935	0.06	6.67
LHMB-69	5.0	217,800	8.0	1,742,400	69,696	66,211	0.07	6.73
LHMB-70	5.0	217,800	9.0	1,960,200	78,408	74,488	0.07	6.81
LHMB-71	5.0	217,800	9.0	1,960,200	78,408	74,488	0.07	6.88
LHMB-72	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	6.96
LHMB-73	5.0	217,800	10.0	2,178,000	87,120	82,764	0.08	7.05
LHMB-74	1.7	74,052	10.0	740,520	29,621	28,140	0.03	7.07
TOTALS	**337.2**						**7.1**	

ATTACHMENT-E

Mined Material volume will be tracked by:

- Loader Scales that measure every bucket full of material using hydraulic cylinder sensors that determine the load of each bucket of mined material and convert the data to digital information that can be stored on the loader and/or transmitted to a server in the office.
    - The onboard electronics is connected via 3G to office computer using Loup Electronics software tracks that tracks and stores data from each bucket load of mined material.
- The 3G signal at the proposed Lease site has confirmed in the field to be sufficient to support the Loup system.

Mined Material volume will be recorded:

- On the "on-board" electronics (mounted in the loader)
  and
- Simultaneously recorded on the office computer

Daily, weekly, and monthly summaries are available from the software.

Payment for Mined Material will made to the State Land Trust via any method desired by State Land Office.

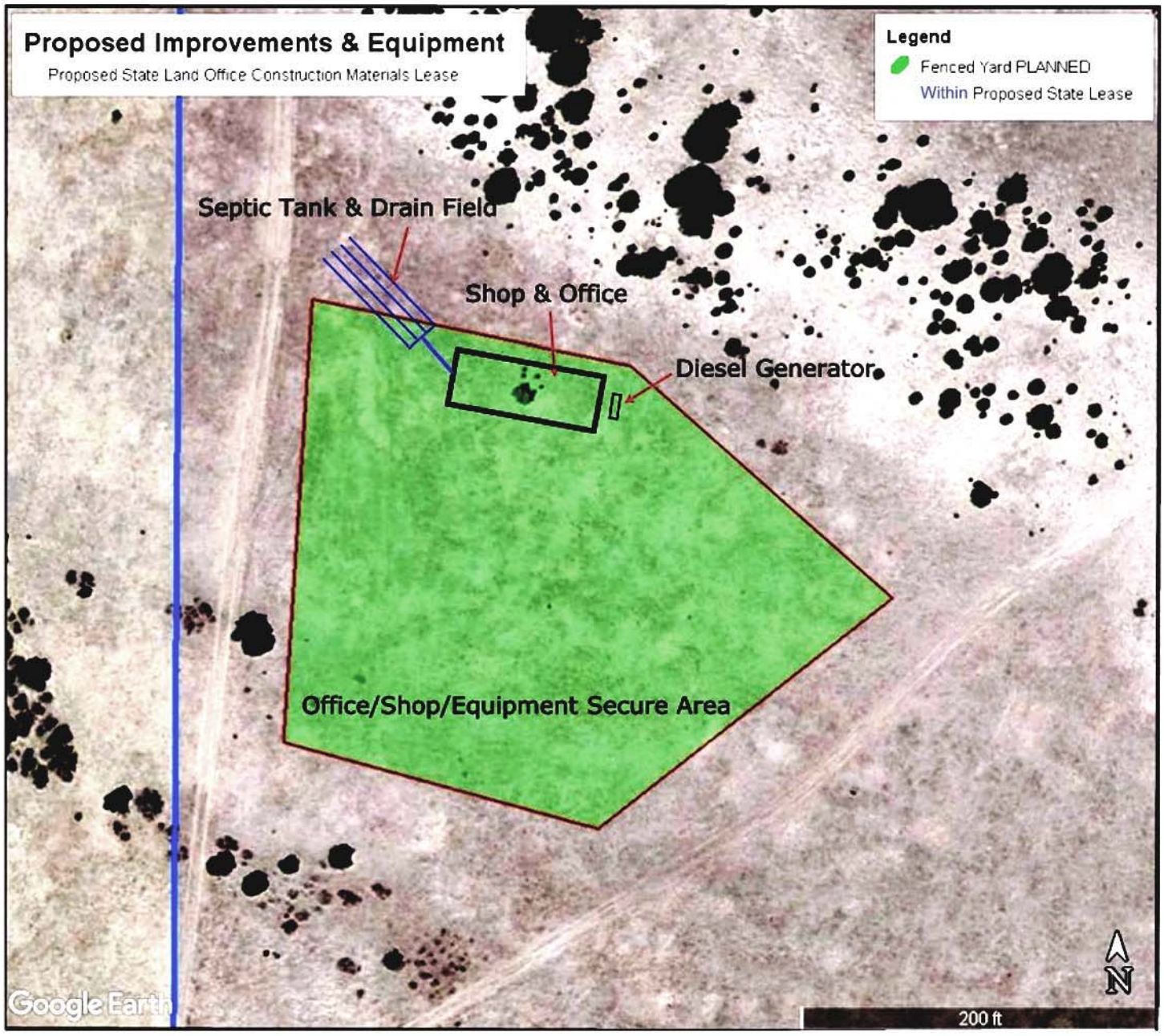
ATTACHMENT-F

Topsoil from each 10 acre mining block will be removed and stacked nearby the mining block in stable protected areas away from active operations, natural water-courses, and mined material handling.

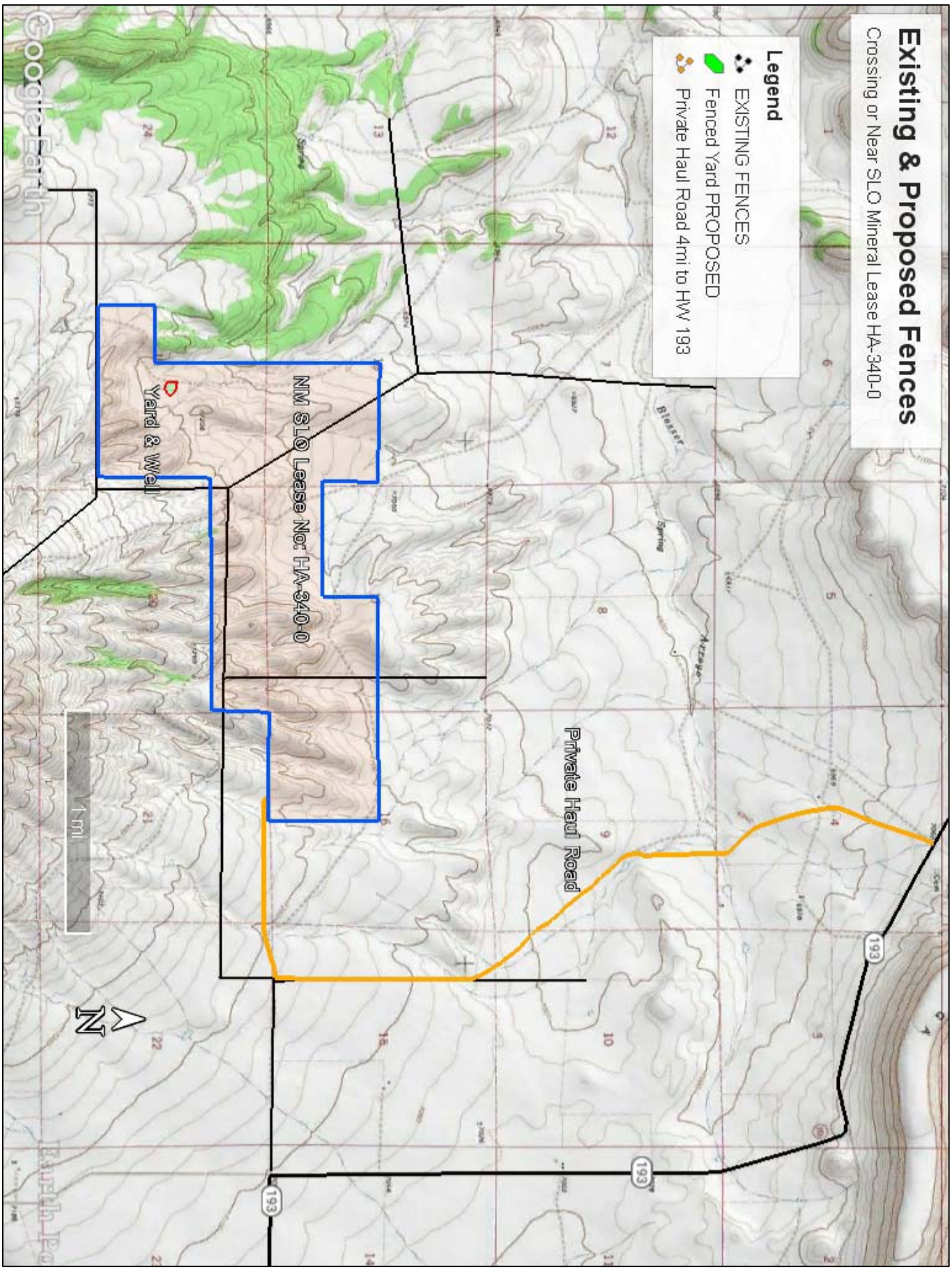
The topsoil stockpiles will be constructed by placing soil materials in successive horizontal layers with stockpile side slopes at approximately 4H: 1V. Highly visible plastic strips (thick ribbons) and or geosynthetic fabric will be laid down under the stockpiles prior to placing topsoil on the site to enable easy identification of the topsoil pile – non topsoil pile interface during reclamation. Stockpile construction activities will be designed to minimize compaction of the soil resource to the extent operationally feasible. Where necessary to prevent erosion of stockpiled material by up gradient drainage, temporary berms or diversion ditches will be used to intercept and route drainage around the stockpiles.

As ongoing reclamation proceeds, and upon final reclamation, the original "consequent drainage pattern" will be maintained. This will ensure that, following final reclamation, as subsequent erosion of the consequent drainage continues, the overall topographic/geomorphic expression of weathering will be maintained. Ten to twenty years following final reclamation, it should be difficult to recognize that a mining operation was conducted on this property, except the difference in elevation of the mined ridge tops.

ATTACHMENT-G



ATTACHMENT - H



ATTACHMENT-I

SPILL PREVENTION & WASTE DISPOSAL PLAN

The planned steps to prevent spills include:

- Identifying potential spill sources areas, loading and unloading etc., and places that generate dust or particulates.
- Train employees in spill control response procedures, post-spill response including having the emergency numbers for notification of the spill.
- Provide spill containment and cleanup kits at spill-prone areas.

With exception of petroleum products (oil & diesel), there is no plan or is it anticipated that any materials classified as "hazardous waste" will be utilized or generated in conjunction with the proposed mining and related operations. In the unlikely event that hazardous materials storage or disposal becomes necessary, we will comply with all applicable storage, labeling, and documentation requirements and disposal will occur off-site at a licensed hazardous waste disposal facility.

Any used oil, lubricants, or other potentially combustible materials will be collected and either recycled or disposed of by a licensed disposal contractor in accordance with all applicable New Mexico and EPA regulations.

A contract disposal service will regularly collect and haul the nonhazardous solid wastes from the dumpsters to the nearest permitted landfill. Colfax County does not currently have a permitted landfill and uses the Wagon Mound Landfill.

ATTACHMENT-J

GROUND WATER WELL PLAN

Application will be made on behalf of, or for the SLO (with SLO permission or assistance) to drill a single ground water well near the planned fenced yard and shop facility. The well will be equipped with a solar powered down-hole pump with a state of the art solar array, battery backup, and pressure switch use only the water needed without wasting any of the precious resource. Contact was made with the NM OSE, details below.

Upon final reclamation Uintah Basin Sand LLC will re-fit the solar powered well with a state of the art pressure switch, buried float value system, a custom designed "drinker" water trough for wildlife or livestock. This system will be an improvement to the standard conversion of windmill powered pumps to solar powered pumps where the solar powered pump operates at all times there is sufficient sunlight. Water flows into a "drinker" then overflows into a dirt tank and on down drainage. This standard practice is not efficient and wastes water to evaporation.

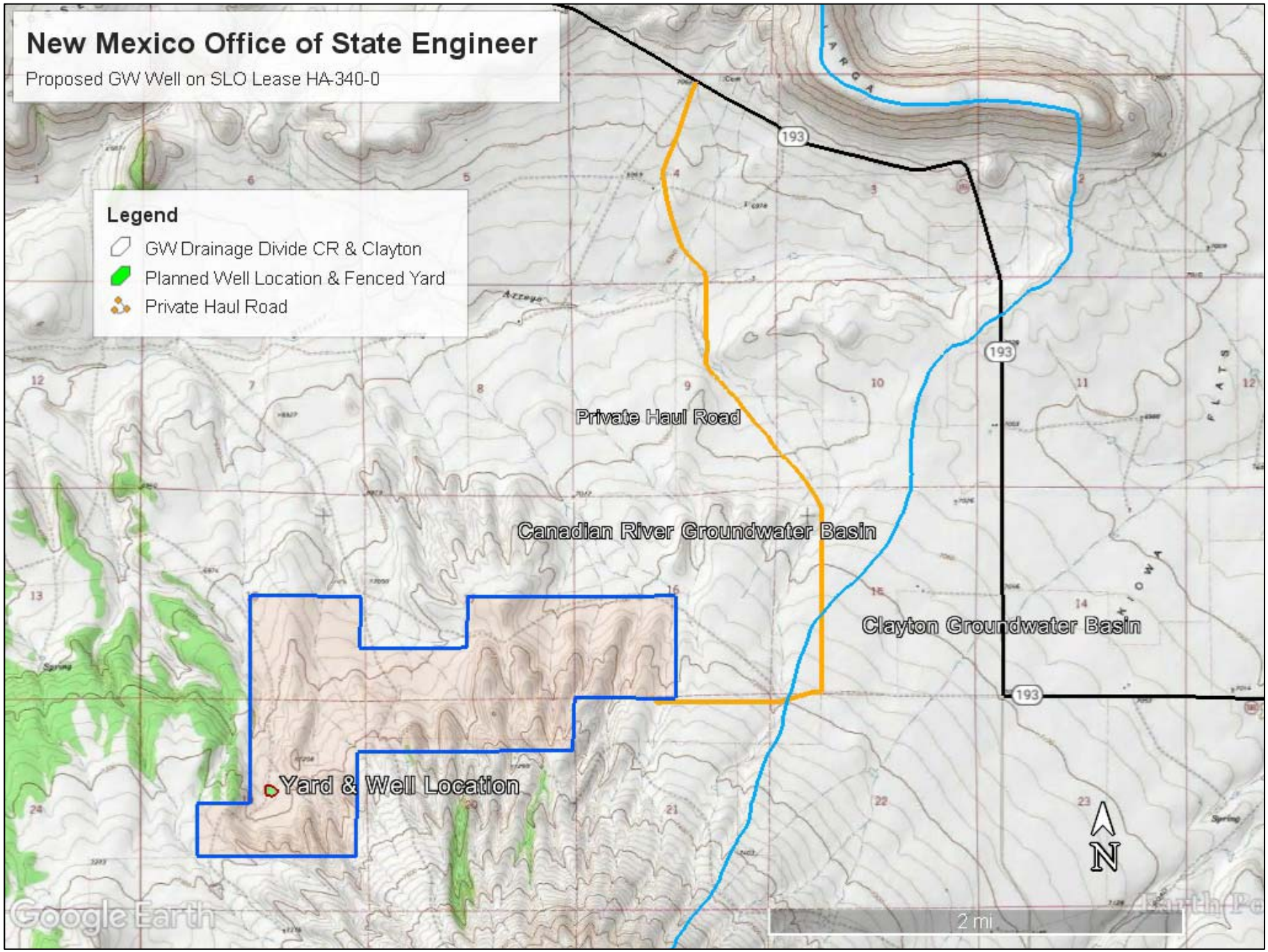
<u>New Mexico OSE (Office of State Engineer)</u>
District7- Cimarron Office
Tim Farmer, District Supervisor
Greg Quartieri
301 East 9th Street
Cimarron NM 87714
575-376-2918
575 376-2410

OSE's Website Statewide Ground Water Map:
State Lease area falls in Canadian River Groundwater Basin (see map below)
Spoke with Greg Quartieri (4-19-22) who indicated the Canadian River Ground Water Basin is open for applications to appropriate water.

<u>Industrial Use:</u>
$25.00 filing fee
Field Check
Public Notice 3 weeks in local paper for requested Acre Feet
Approximately 120 day's process

<u>Livestock Use:</u>
Up to 3 Acre Feet No Public Notice

ATTACHMENT – J (cont.)



Ron Winters

109 Calle Paula
Santa Fe, NM 87505

505-670-6952 mobile
rondigs@comcast.net

October 31, 2022

Gregory Hunt
Geo-Hunt Consulting
16577 Columbine Lane
Cedaredge, CO 81413

New Mexico State Land Office
Physical Address:
310 Old Santa Fe Trail
Santa Fe, NM 87501
Mailing Address:
P.O. Box 1148
Santa Fe, NM 87504

New Mexico State Historic Preservation Office
407 Galisteo Street, Suite 236
Santa Fe, NM 87501

Ron Winters, Archaeologist was contracted by Gregory Hunt, Geo-Hunt Consulting, Cedaredge, Colorado to conduct a Class I survey of 645 acres. The survey is for a proposed mineral lease located in Colfax County, New Mexico (Figures 1 and 2). The parcel is located within Township 28 North, Range 26 East, Sections 16-20, N.M.P.M., Santa Fe County, New Mexico (Figure 3).

The site files check of the project parcel, included a review of the resources in the Archaeological Resource Management Section (ARMS)/ Museum of New Mexico (Figure 4) and the Bureau of Land Management, General Land Office database (Figure 5).

NMCRIS Results

Data in New Mexico's NMCRIS database were reviewed to determine whether any past cultural resource surveys or previously recorded archaeological sites are present in the project area (Figures 1-4). The research found that there are no previously recorded surveys within the project area and that there are also no previously recorded sites within the project parcel boundaries (Figure 4). Because there were no sites or surveys recorded within or near the project area, the archaeologist expanded the search to between three and a half and four miles beyond the project boundaries. The results are indicated below.

There are four NMCRIS activity numbers that have been recorded within two to four miles of the project area and five sites recorded within two to three and a half miles. Figure 4 and Table 1 show the four archaeological surveys conducted within 2-4 miles of the project area. Figure 4 and Table 2 show the five previously recorded archaeological sites within 2-3 ½ miles of the project area.

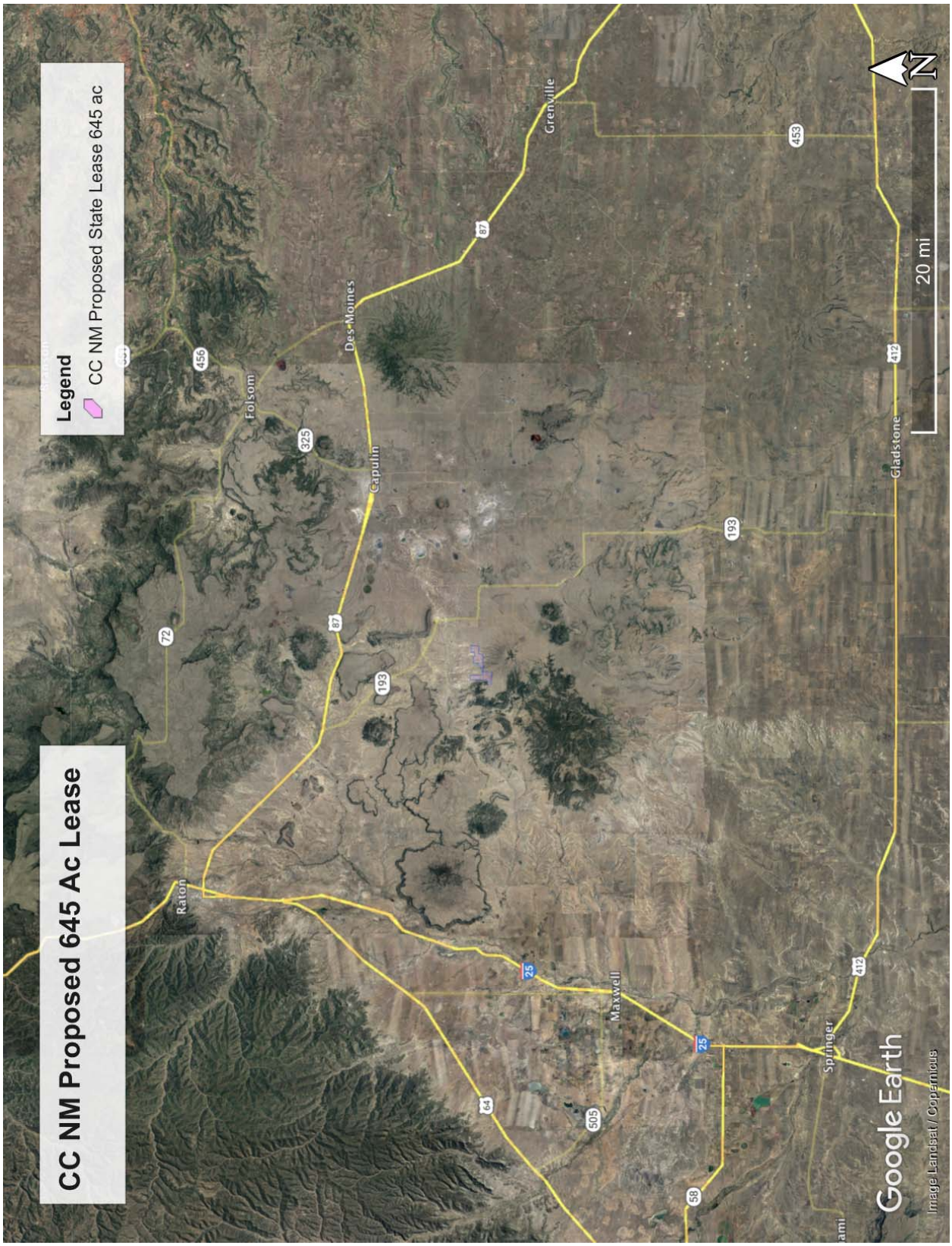


Figure 1: Aerial Showing Project Location Within the General Area

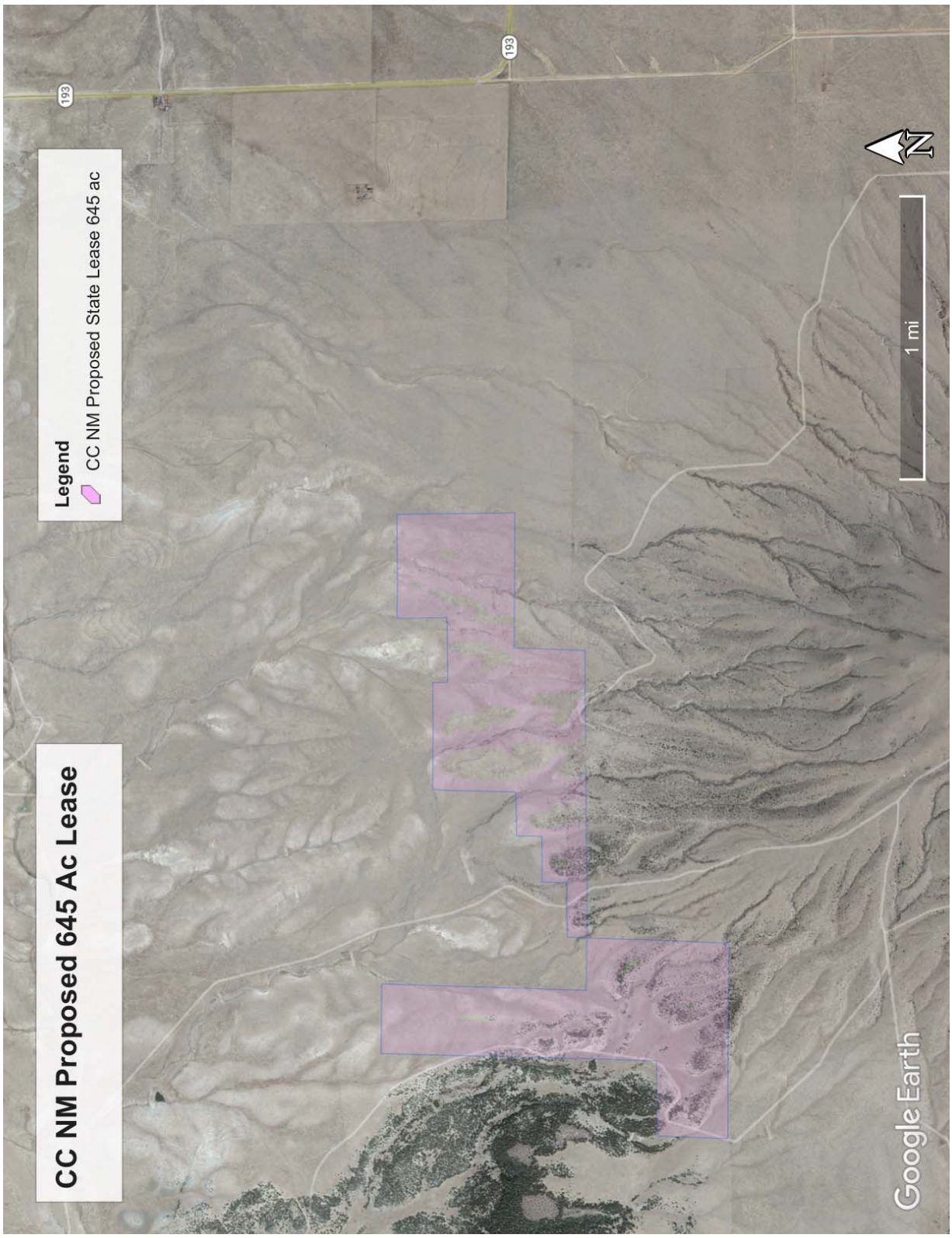


Figure 2: Aerial Showing CC NM 645-Acre Lease Area

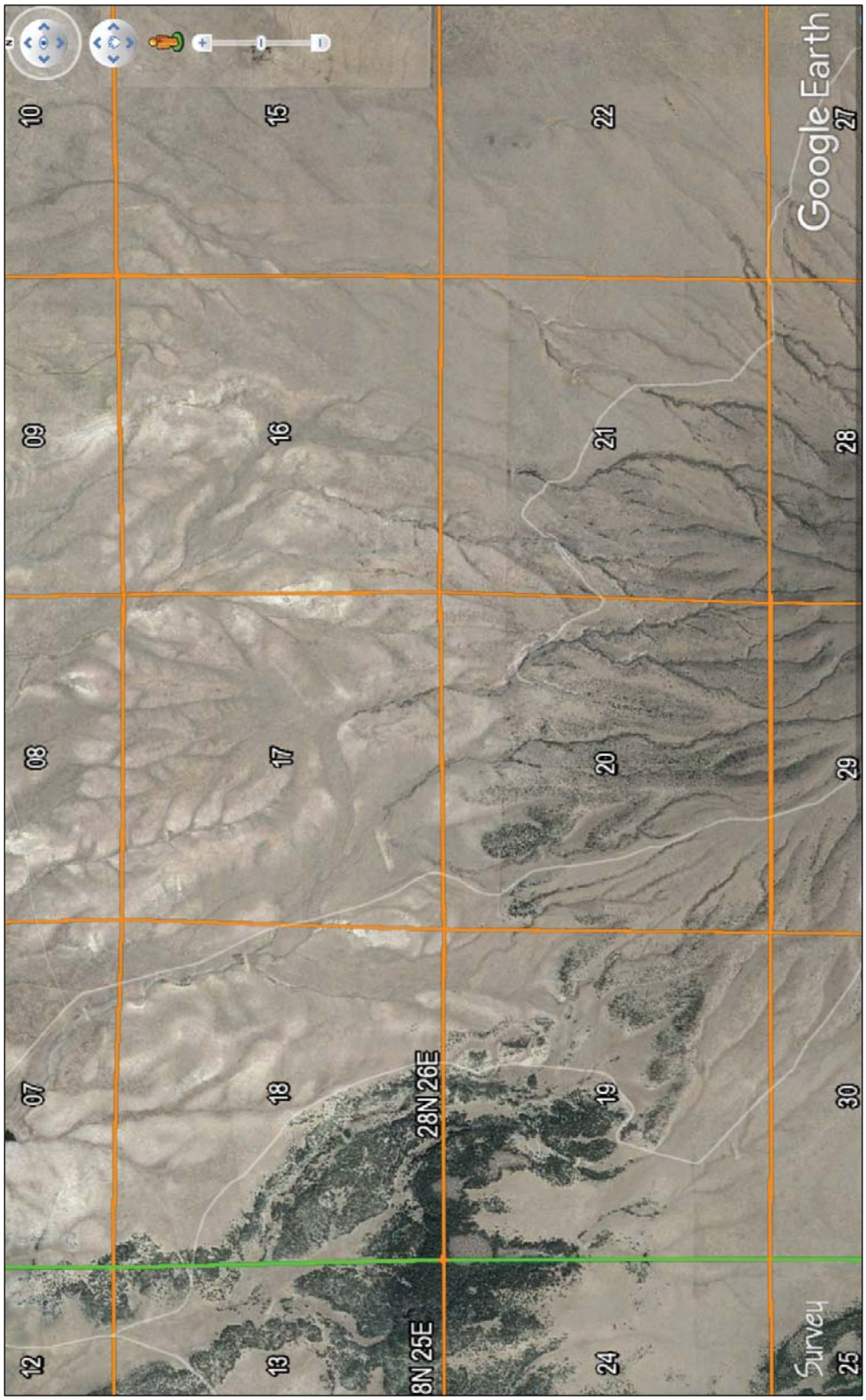


Figure 3: Aerial with Overlay Showing Township, Range and Sections Within the Project Area

Previous Archaeological Research

There are no previously recorded surveys within the project area (Figure 4). Table 1 shows the four archaeological surveys conducted within 2-4 miles of the project area.

A survey, NMCRIS 23546 is approximately 3 miles from the project area and was conducted by Charles M. Haecker for the New Mexico Department of Transportation in 1988. This block and linear survey covered 38.70 acres and resulted in no new sites or isolated occurrences being identified.

A second survey, NMCRIS 28871, is 4 miles from the current project area. The survey was conducted by Scott J. Geister, of the Laboratory of Anthropology in 1990, for the New Mexico Department of Transportation. This block and linear survey covered 34.90 acres and resulted in no new sites identified. A single isolated occurrence was found.

A third survey, NMCRIS 89951, is approximately 2 miles from the project area and was conducted by Susan Swan of the Northern Research Group, Inc in 2004. The linear survey covered 14.33 acres and resulted in no new sites or isolated occurrences being identified.

The last survey, NMCRIS 118646 is 3 ½ miles from the project area and was conducted by Stephen Townsend of Townsend Archaeological Consultants, for the Baca Valley Telco BIP Upgrades in 2010. The linear survey covered 535 acres and resulted in the discovery of 19 new sites and 44 isolated occurrences.

Table 1: Summary of Previous Research Within 2 to 4 Miles of the Project Area

NMCRIS Project #	Reference	Project Name	Sites Recorded (LA)	Acres
23546	Haecker 1988	Cultural Resource Survey of Three Proposed Borrow Pits in Colfax County NMSHTD District 4	0	38.70
28871	Geister 1990	Archaeological Survey near Springer, Colfax County, New Mexico	0	34.90
89951	Swan 2004	A Cultural Resources Survey of a Buried Telecommunications Line Project Colfax County Road A-19	0	14.33
118646	Townsend 2010	A Preliminary Report of Cultural Resource Findings with Eligibility, Management & Clearance Recommendations for the USDA-RUS Funded Baca Valley Telephone Company-Sierra Communications BIP Telecommunications Upgrade Project Union & Colfax Counties, New Mexico	167850-167867, 168106	535.00

There are no previously recorded sites within the project area (Figure 4). Table 2 shows the five previously recorded archaeological sites within 2-3 ½ miles of the project area.

LA 167856 is described as a historic artifact scatter with cobbles and concrete and rock alignment remnant.

LA 167857 is a moderate sized, lithic scatter. The artifacts include lithic debitage, a projectile point, and a metate.

LA 167858 is a large multicomponent site. The site contains lithic debitage, which included a chert chipping station, a biface and a projectile point. The historic component is comprised of glass and metal.

LA167859 is a large lithic scatter. The site contains three chipping stations, lithic debitage, an Archaic dart point base and a cobble scatter (possible tipi rings).

LA168106 is a moderate sized historic site. The site includes three depressions, a mound, a rock alignment that may be a building foundation and remnants of a historic stove.

Table 2: Previously Recorded Sites Within 2 to 3 ½ Miles of the Project Area

LA#	Description	Cultural Affiliation
167856	Historic Artifact Scatter, Rock Alignment	Historic, Unknown
167857	Lithic Artifact Scatter, Groundstone	Prehistoric, Unknown
167858	Lithic Artifact Scatter, Historic Trash Scatter	Prehistoric, Unknown Historic, Unknown
167859	Lithic Artifact Scatter, Cobble Scatter	Prehistoric, Unknown
168106	Historic Artifact Scatter, Mound, Depressions (3), Rock Alignment	Historic, Unknown

Bureau of Land Management, General Land Office Records Results

A review of the Bureau of Land Management's General Land Office Homestead database identified no records that intersect or are within the project area. In addition, early General Land Office Survey plats were reviewed. A detailed portion of an 1880 Survey Map showing the general location of the project area is Figure 5.

References Cited

Geister, J. Scott
1990 *Archaeological Survey near Springer, Colfax County, New Mexico.*

Haecker, Charles M.
1988 *Cultural Resource Survey of Three Proposed Borrow Pits in Colfax County NMSHTD.*

Swan, Susan
2004 *A Cultural Resources Survey of a Buried Telecommuniications Line Project, Colfax County, Road A-19.*

Townsend, Stephen
2010 *A Preliminary Report of Cultural Resource Findings with Eligibility, Management & Clearance Recommendations for the USDA-RUS Funded Baca Valley Telephone Company-Sierra Communications BIP Telecommunications Upgrade Project, Union and Colfax Counties, New Mexico.*

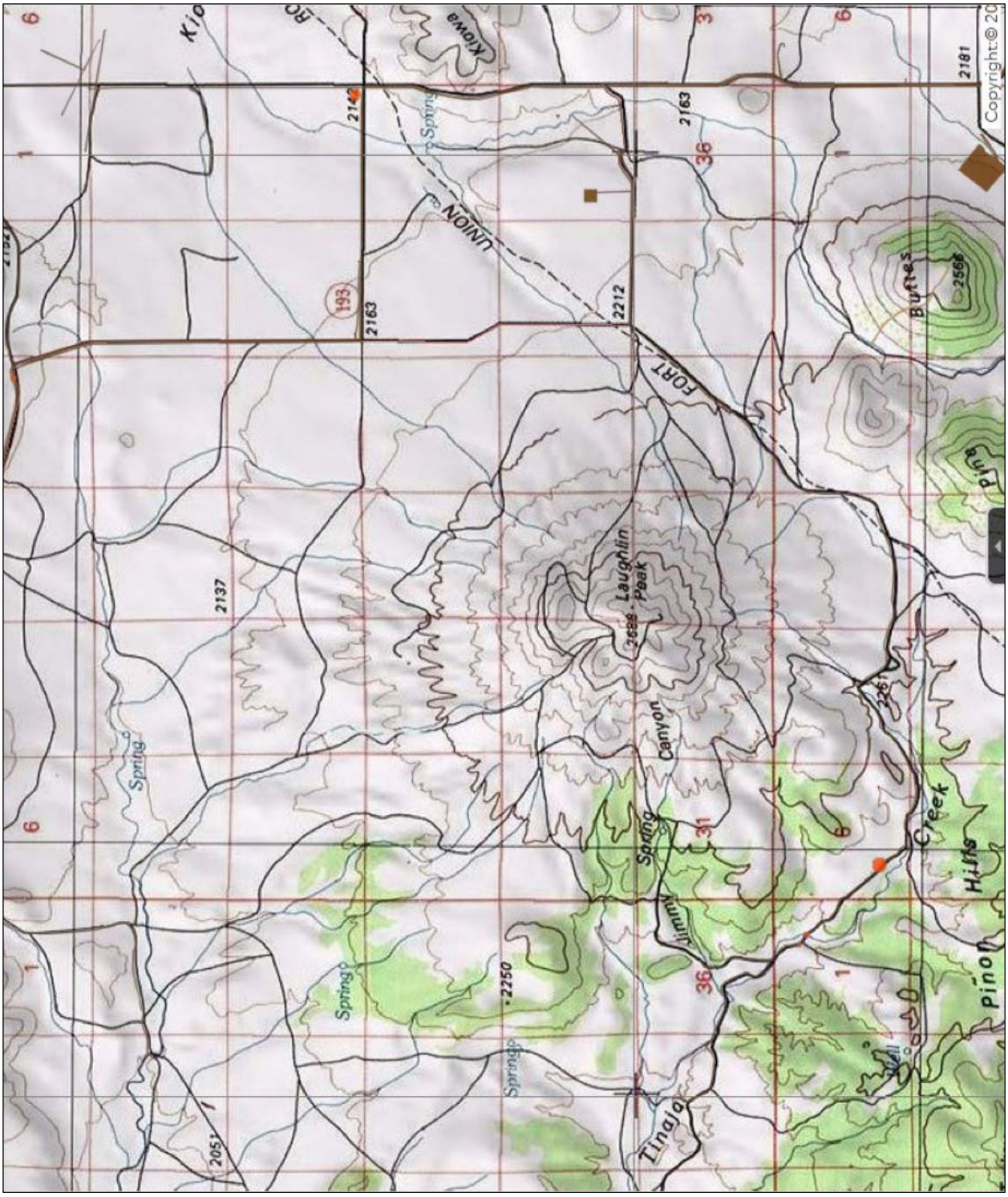


Figure 4: NMCRIS Mapserver Check

Figure 5: Bureau of Land Management, General Land Office, 1880 Survey Map Detail Showing General Location of Project Area (Sections 16-20)