Souder, Miller & Associates♦201 S. Halagueno St.♦Carlsbad, NM 88220
(575) 689-8801

May 6, 2024

Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

SUBJECT: Reclamation Report for the Artesia Metex Unit #018, Eddy County, New Mexico

1.0 Introduction

On behalf of the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (OCD), Souder, Miller and Associates (SMA) has prepared five separate Reclamation Reports that describe the reclamation of the land related to oil and gas production activities at the Artesia Metex (AM) Units. The project area consists of five Unit Locations: AM #005, AM #006, AM #017, AM #018, and AM #019, all located on private land approximately 12 miles southeast of Artesia, within Eddy County, New Mexico. All five well locations have been plugged and abandoned, though residual equipment, piping, and debris remained on site.

This Reclamation Report details reclamation activities for AM Unit #018, located in Unit Letter N, Section 24, Township 18S, Range 27E, (32.72646, -104.23312) Eddy County, New Mexico. A summary of the site is detailed in Table 1.

Table 1. Summary of Artesia Metex Unit

Site Name (Type of Well)	API	Surface Location Latitude, Longitude	Plug and Abandonment Date	Notes (Pre-Reclamation, per OCD)
Artesia Metex Unit #018 (Oil)	30-015-00946	Unit N, S24, T18S, R27E 32.72646, -104.23312	8/21/2018	Suspected former pit, no environmental orders, visible non-reportable operational staining, unvegetated area, cement washout area

2.0 Site Background and Information

Artesia Metex Unit #018 is located approximately 12 miles southeast of Artesia, NM on private land at an elevation of approximately 3,576 feet above mean sea level (amsl). This unit was plugged and abandoned on August 21, 2018.

3.0 Reclamation Activities

Initial site activities included marking the site for a New Mexico One Call (811) and an initial environmental site inspection. Marking for the 811 was conducted on January 1, 2024, with 811 activities commencing in the days

following. The initial overview of the site indicated that electrical equipment had been found on site, but upon further inspection, the equipment was not connected to power.

NORM Assessment

Following the initial inspection of the site, a Naturally Occurring Radioactive Material (NORM) assessment of the residual petroleum production infrastructure was performed on January 8, and January 9, 2024. This assessment was performed to determine if equipment and flowlines left after the cessation of production activities measured NORM readings greater than the disposal threshold of 50 microroentgens per hour (mR/hr) (20.3.14.1403 NMAC). The NORM assessment was performed using a Geiger counter with a scintillometer probe. All equipment of similar NORM reading and size, namely already cut cable wire, T-posts, or fencing wire, were marked, and labeled as one. Flowlines were marked, and labeled every 100 ft, as the NORM readings remained fairly stable. A total of 17 readings were performed and catalogued at AM Unit #018. None of the flowlines or equipment exceeded the disposal threshold. The highest exposure rate observed was 2,200 counts per minute (cpm), or 12.57 mR/hr.

All NORM values and equipment locations can be found in the field notes and photographic log in Appendix B. The Geiger counter calibration record is included in Appendix E.

Polyline Flushing, Scrap Removal and Surface Scraping

SMA and J&H Services, Inc (J&H) met onsite on February 26, 2024, to begin initial reclamation activities, starting with a surface scrape of the operationally stained areas around the wellhead, and collection of scrap metal and debris within the area. Scrap metal was hauled to Sandpoint Landfill. Sandpoint Landfill is maintained by Eddy County.

On February 28, 2024, the crew utilized a freshwater truck and vacuum truck to flush polyline, estimated at 4,000 feet across all five sites. They had the freshwater truck connected to the polyline at AM Unit #019 and flushed the line to the vacuum truck located at AM Unit #005. Approximately 50 barrels (bbls) of freshwater were pumped into the flow line, and approximately 60 bbls of liquid were flushed out of the polyline, indicating there was approximately 10 bbls of petroleum product still in the line.

On February 29, 2024, J&H pulled the flushed polyline to AM Unit #018. AM Unit #018 was used as a consolidation location for all five of the Artesia Metex locations for polyline cutting and loading prior to removal and disposal. During flushing, cutting, and loading of the polyline, residual flush water leaked onto the pad and road areas of AM Unit #018. The subsequent soil was scraped with a backhoe and stockpiled with the non-reportable operationally stained soil. On March 1, 2024, J&H completed the cutting and loading of all the polyline and began transferring all scraped soil from other AM Units to AM Unit #018.

On February 29, 2024, approximately 57 cubic yards of non-reportable operationally stained soil from AM Unit #018 were scraped and temporarily stockpiled on site. On March 4, 2024, the stockpiled soil was transported to Lea Land LLC, an OCD-permitted surface waste facility, for disposal. Approximately 160 cubic yards of soil were disposed, which included scraped soil from the other four AM Units. The surface scraped areas were backfilled with clean, imported material and graded to match the surrounding topography.

Photos of the polyline flushing, scrap metal removal, and surface scraping are included in Appendix B. Copies of the soil waste manifests from Lea Land LLC are included in Appendix D. Due to the unregulated nature of scrap metal and polyline disposal, Sandpoint Landfill did not provide waste manifests for the scrap metal or polylines.

Ripping and Seeding

Preparation for tilling and seeding of AM Unit #018 began on March 12, 2024, and included ripping areas with little vegetation. The access road between AM Unit #018 and AM Unit #019 was also ripped on March 12, 2024, in preparation for tilling and seeding.

Tilling and seeding of AM Unit #018 and the access roads took place on March 19, and March 20, 2024. All seeded areas were mulched with straw blankets to promote seed growth by reducing evaporation, weed growth, and erosion. J&H laid straw blankets over the seeded ground on March 20, 2024. Application of the straw blankets to Unit #018 and access roads was completed on March 22, 2024. The area of reclamation corresponding to AM Unit #018 totals 34,115 square feet.

Photos of ripping, seeding, and application of the straw blankets are included in Appendix B. The seed mix list can be found in Appendix C.

Aerial Photos Drone Sweep

Along with the NORM assessment, on January 9, 2024, SMA performed a drone sweep of the area to obtain an aerial image prior to reclamation, as shown in Figure 1. Upon completion of reclamation activities, a second drone sweep was completed on April 3, 2024, to show the completion of reclamation activities, as shown in Figure 2. Figures 3 through 5 display post-reclamation of the access roads to and from AM Unit #018.

4.0 Scope and Limitations

Reclamation activities for AM Unit #018 began on January 1, 2024, and concluded on March 22, 2024. The scope of our services included: environmental assessment; regulatory liaison; reclamation guidance; and preparation of this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas reclamation in the Permian Basin in New Mexico.

This report concludes the reclamation activities at AM Unit #018 under the direction of OCD.

If there are any questions regarding this report, please contact Sarahmay Schlea at (330) 958-5689 or Stephanie Hinds at (505) 793-7079.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Sarahmay Schlea, GIT
Staff Geoscientist

Reviewed by:

Stephanie Hinds, P.E.
Senior Engineer

ATTACHMENTS:

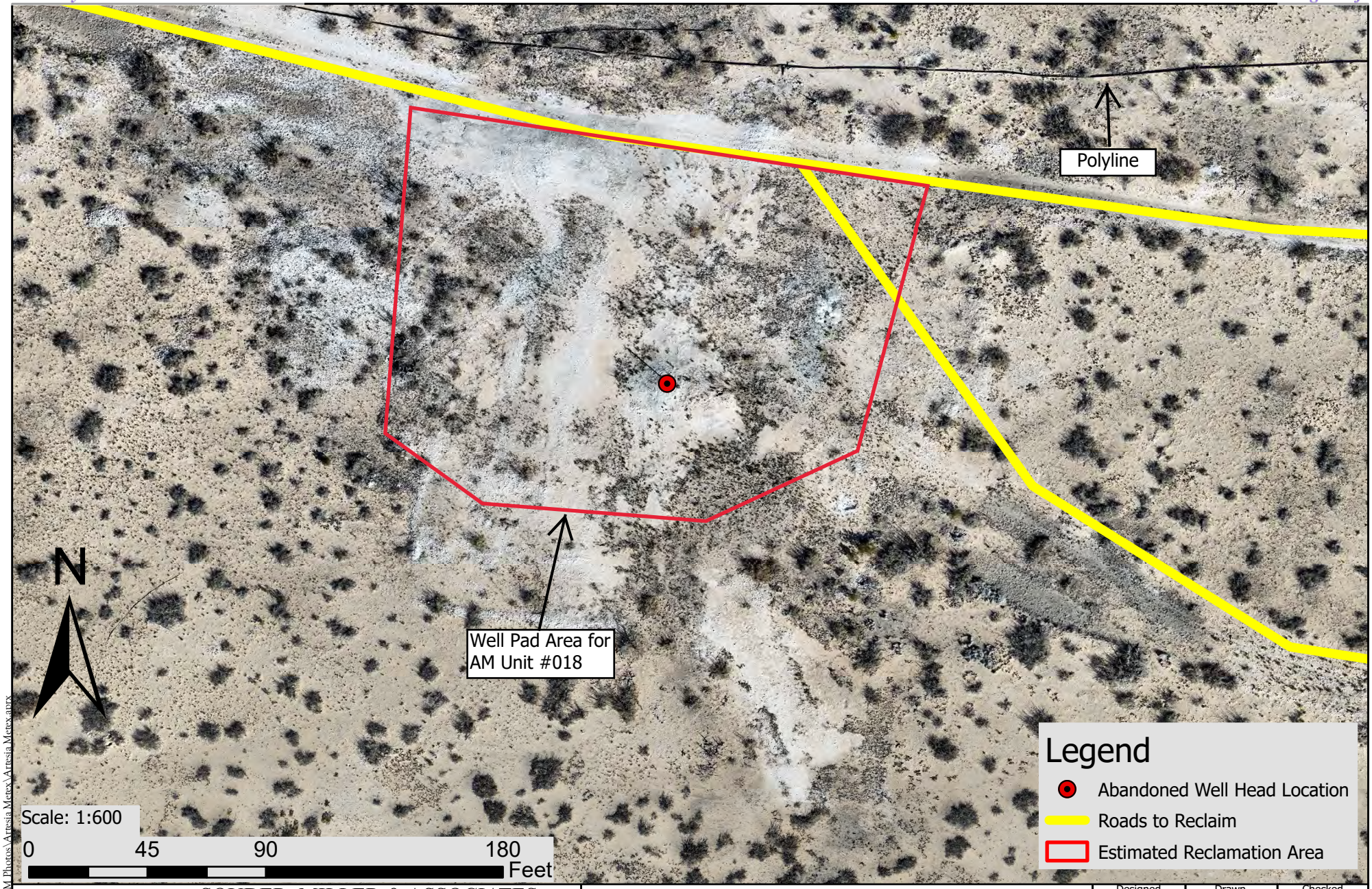
Figures:

Figure 1: Aerial Site Map Pre-Reclamation
Figure 2: Aerial Site Map Post-Reclamation
Figure 3: Aerial Access Roads Map Post-Reclamation
Figure 4: Aerial Access Roads Map Post-Reclamation
Figure 5: Aerial Access Roads Map Post-Reclamation

Appendices:

Appendix A: Correspondence
Appendix B: Field Notes and Photographic Log
Appendix C: Seed Mix List
Appendix D: Waste Manifests
Appendix E: Geiger Counter Calibration Record

FIGURES



C:\Users\ss\Desktop\Metex NORM Photos\Artesia Metex\Artesia Metex.aprx

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Site Map

Artesia Metex Unit #018
Pre-Reclamation and Reseeding

Figure 1

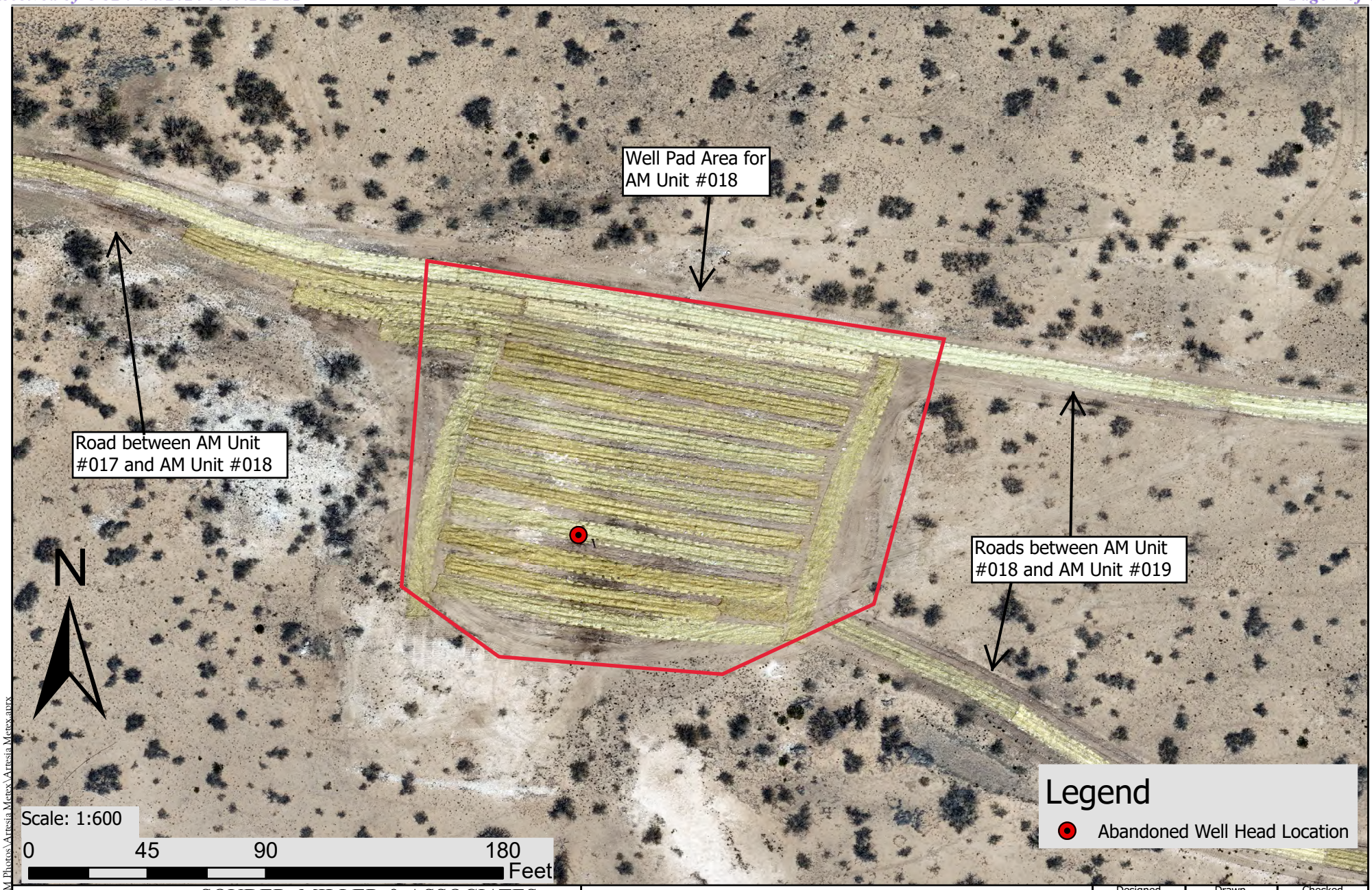
Designed	Drawn	Checked
SKS	SKS	SAH

Date: 4/19/2024

Scale:

Project No: 5E31796

Sheet:



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Site Map
Artesia Metex Unit #018
Post - Reclamation and Reseeding

Figure 2

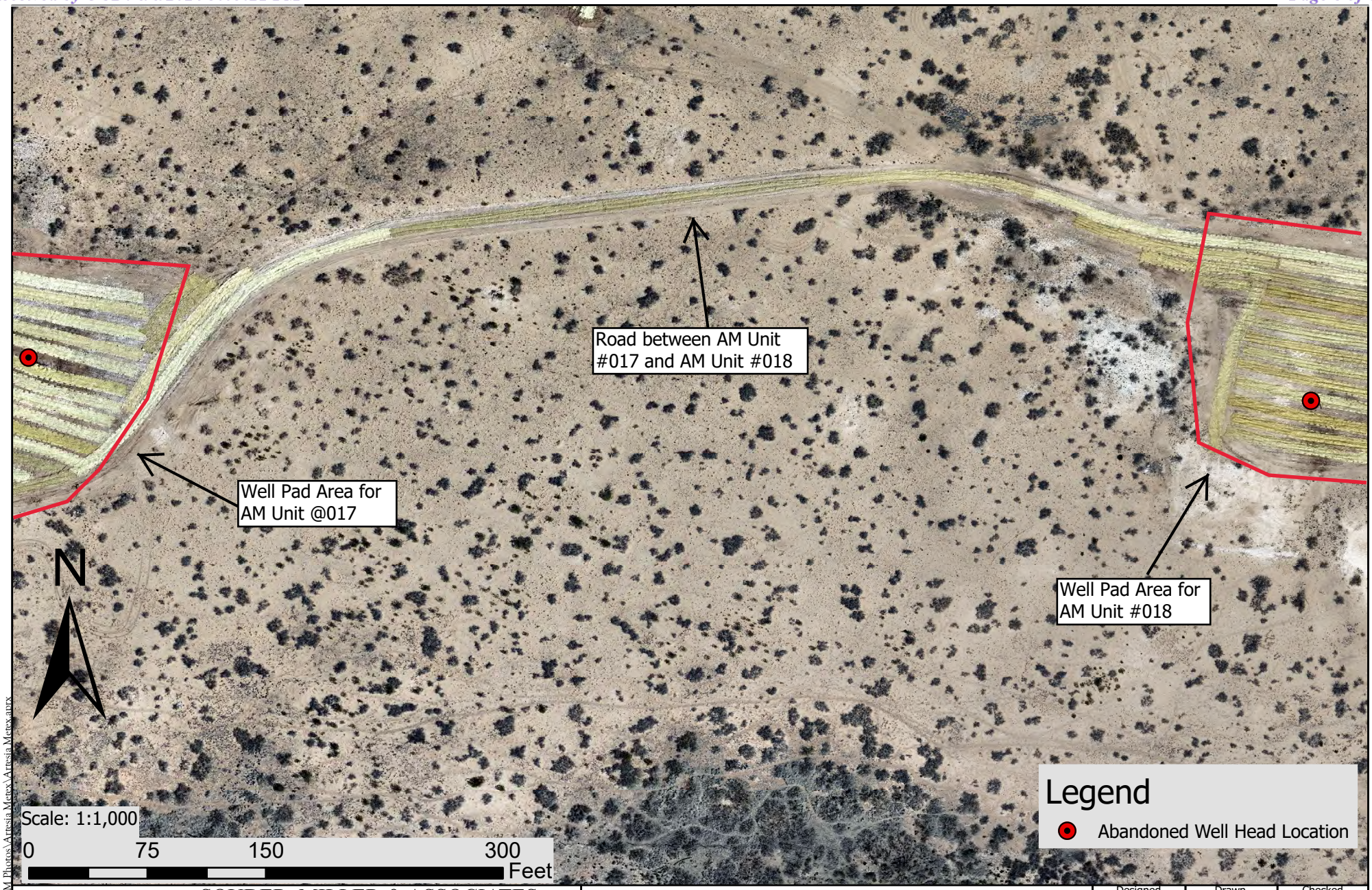
Designed	Drawn	Checked
SKS	SKS	SAH

Date: 4/8/2024

Scale:

Project No: 5E31796

Sheet:



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Site Map
Artesia Metex Unit #017 and
Artesia Metex Unit #018
Road Between AM 017 to AM 018
Post - Reclamation and Reseeding

Figure 3

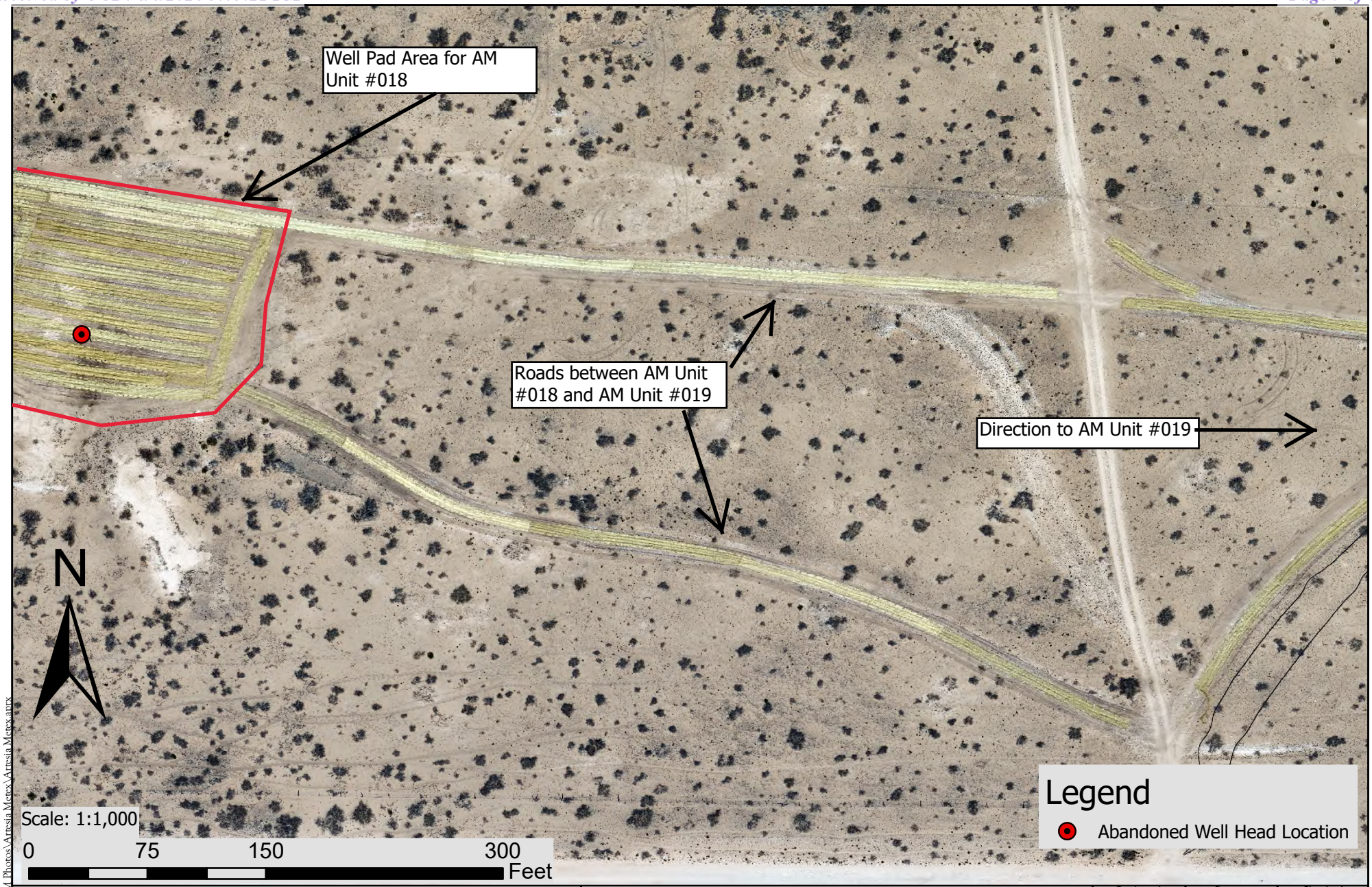
Designed	Drawn	Checked
SKS	SKS	SAH

Date: 4/8/2024

Scale:

Project No: 5E31796

Sheet:



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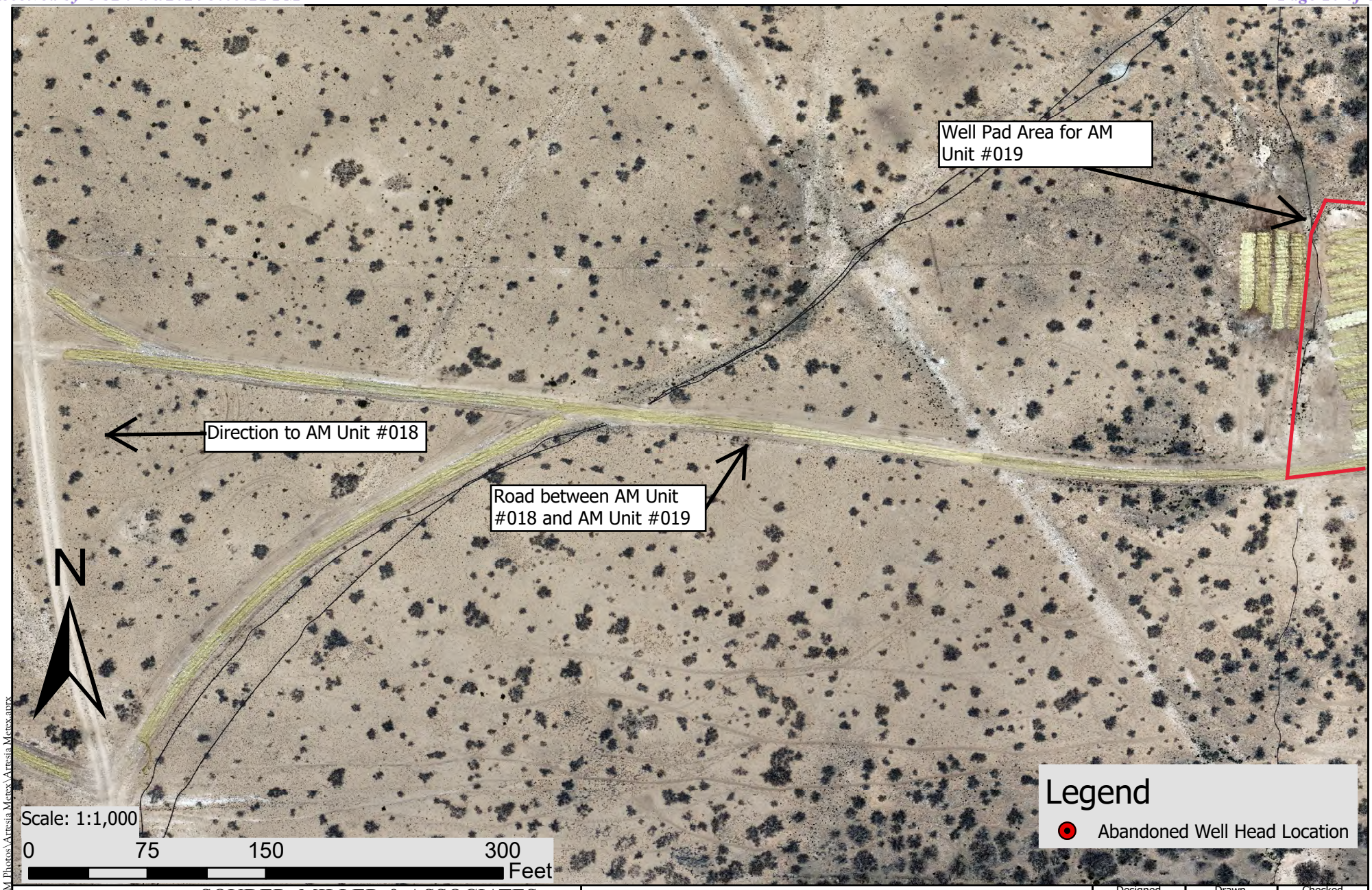
Site Map
Artesia Metex Unit #018
Road Between AM 018 to AM 019
Post - Reclamation and Reseeding

Figure 4

Designed	Drawn	Checked
SKS	SKS	SAH

Date: 4/8/2024
Scale:
Project No: 5E31796
Sheet:



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Site Map
Artesia Metex Unit #019
Road Between AM 018 to AM 019
Post - Reclamation and Reseeding

Figure 5

Designed	Drawn	Checked
SKS	SKS	SAH

Date: 4/8/2024

Scale:

Project No: 5E31796

Sheet:

APPENDIX A:

CORRESPONDENCE

From: Maxwell, Ashley, EMNRD
To: Stephanie Hinds
Cc: Smith, Cory, EMNRD; Hall, Brittany, EMNRD; Scott McKitrick; Reid Allan
Subject: [EXTERNAL]Artesia Metex Seeding Mix and NORM Surveying
Date: Monday, September 25, 2023 9:29:22 AM
Attachments: Seed Mix.kmz
Turkey_Track_ROW_Seed_Mix.pdf

Good Morning Steph,

We are working with the Artesia Metex surface owner, Conoco, on the preferred seeding mix. I have attached a KMZ file that details where the preferred seed mix is used. I am also including a pdf file of the preferred seed mix. I will handle the communication with Conoco. If you have any questions for them, please send them to me.

As far as NORM surveying is concerned, we received some additional guidance from NMED. In your report, provide all calibration records for the equipment that you will be using. Include a site map, identifying the equipment surveyed and the corresponding equipment readouts. If the equipment reads in picocuries per minute, also include the conversion for picocuries per hour. Also, include pictures of the equipment surveyed.

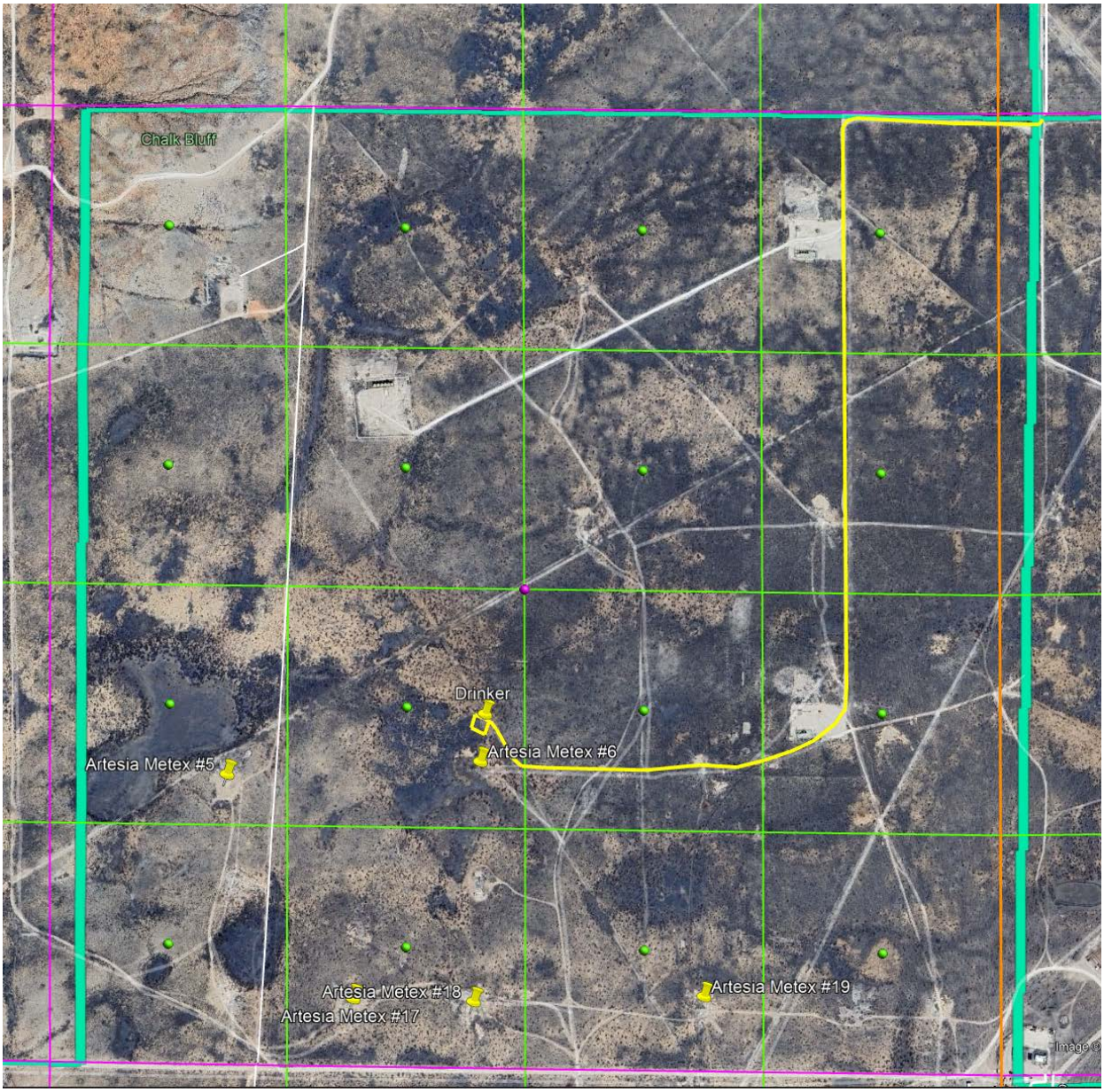
Prior to work starting, let's set up a meeting to establish a timeline and to answer any questions.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Maxwell, Ashley, EMNRD
To: Stephanie Hinds; Reid Allan
Cc: Smith, Cory, EMNRD; Hall, Brittany, EMNRD; Walker, Crystal, EMNRD
Subject: [EXTERNAL]Artesia Metex Land Owner Request
Date: Friday, February 16, 2024 11:54:34 AM
Attachments: image001.png
Importance: High

Steph,

Per the land owner, **DO NOT** disturb the yellow highlighted road below:



Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/or https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Maxwell, Ashley, EMNRD
To: Stephanie Hinds; Reid Allan
Subject: FW: [EXTERNAL] Google Earth Placemark: Seed Mix.kmz
Date: Friday, February 16, 2024 11:53:41 AM
Attachments: Needed ROAD.kmz

Steph, please see the email below from Brian Hall. Keep a copy of this email on site for your records. I am following up with a their request regarding the Drinker road.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

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From: Hall, Brian <Brian.Hall@conocophillips.com>
Sent: Friday, February 16, 2024 11:46 AM
To: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Cc: Sitka, Brooks <Brooks.Sitka@conocophillips.com>; Jonnes, Ryan <Ryan.Jonnes@conocophillips.com>; Sellers, Joshua E <Joshua.E.Sellers@conocophillips.com>; Valdez, Dani <Dani.Valdez@conocophillips.com>; Wood, Jesse <Jesse.Wood@conocophillips.com>; Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>; Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>; Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Google Earth Placemark: Seed Mix.kmz

Cory-

We have a drinker just north of the AM#6. We are requesting that the drinker is not disturbed and the road outlined in the attached .kmz remains in place.

Outside of that, you have permission to start the reclamation process.

Regards,

Brian Hall, MBA, CPL | Senior Surface Land Negotiator | Permian Non-OP Surface Land | **ConocoPhillips**
C: 432-638-8932 | **O:** 432-688-6913 | 600 W. Illinois Ave, 1CC-934, Midland, Texas 79701

APPENDIX B:

FIELD NOTES AND

PHOTOGRAPHIC LOG

SUBJECT NORM SWEEP | PROJECT Artesia Meter | PAGE 1 of 1

CLIENT NMOCD. | DATE 01/08/24 | BY SS

CHECKED | BY

General field notes:

Weather: lii ~46, high winds ~ 30-40 mph; high wind warning

Erin arrived onsite @ Artesia Meter Unit #005 @ ~ 0900

Sarahman arrived onsite @ ~ 0915.

gathered equipment; PID x2, 4-gas monitor x2, geiger counter, gps.

watched a brief video on how to work the geiger counter & ran a quick test to ensure proper functioning.

signed ~~HASP~~ & JHA/JSA and began work @ ~1000.

Geiger Counter: model 3 serial # 83222

~~drone~~ → w/ high winds, we could not reasonably ~~drone~~ fly the drone, will try again tomorrow.

no readings on geiger counter above 2500 cpm (~ 14-29 uR/hr)
→ counter was set @ x1 scale.

ran a quick test w/ the drone's software to see general length of time it would take to fly the area under optimal conditions.

left site @ ~ 1135

RCI - 1007805

SUBJECT NORM Sweep & Drone Imaging PROJECT Artesia Metex PAGE 1 of 1

CLIENT DATE 01/09/2024 BY SS

CHECKED BY

General field notes:

weather: lil ~55, morning temp ~35, winds ~10-15 mph

Erin arrived onsite @ Artesia Metex unit #0005 @ ~0800

Sarah may arrived onsite @ ~0830

@ 0830

Erin was working on getting the drone in the air for the aerial photography. The whole Metex reclamation area is large enough that the drone might need a battery recharge part way through.

→ the battery last around 20 min and the program said the flight would take 20 min, but with lift off, return, and landing it would likely take longer than 20 min.

@ 0836 → signed daily JHA/JSA and then had drone liftoff. waited for the Drone to finish.

→ ~0900 the drone's battery died and needed recharging before it could finish its flight.

instead of waiting for the battery to recharge, we plugged it in and then went and finished the NORM sweep.

NORM sweep notes on the field log for each individual stic[redacted]

[redacted] geiger counter: model 3 serial # 83222

[redacted]

after the NORM sweep we came back to the trucks (Unit #0005) and finished the drone flight, @ ~1245 to 1300

left site @ ~1310

SUBJECT Reclamation PROJECT ~~Artesia~~ Mitex PAGE 1

CLIENT NMOCD DATE Feb 26, 2024 BY SS

CHECKED BY

SMA arrived on site at unit #005 @ 0805
→ set up taw posters and got JSA + HASP ready for signing
J+H onsite @ ~0825
had everyone sign the HASP and JSA (J+H paper) @ 0830

talked over general plan for removing any contaminated soil and poly line/piping. plus gave an overview of which roads to reclaim.

@ ~0850 J+H began collecting scrap metal and loading in the back of their pickup.
once they collected all the equipment from unit #005 they began a surface scrape of the graded and concrete washout.
→ revealed some ~~sod~~ staining in which Zach w/ J+H suggested it might be asphaltene (?) or rust from the metal
as the removal of poly line commences, and once they are able to get dirt haulers out here, we will trace them scrape a little more off the surface, not to exceed 1in, to try and remove that staining.

after completing the surface scraping @ unit #005, we moved to unit #017 arriving @ 0945 and repeated the process.
~~continuing~~ continuing to #018 and #019 @ 1115 and 1215 respectively.
@ ~1355 the operator + spotter took their pickup truck w/ the scrap metal in it to the County landfill to dispose of.
→ they returned @ ~1510 for a second load

Steph arrived onsite @ ~1415

Everyone offsite @ 1540.

RCI - 100780S

SUBJECT Artesia Metex - Field Notes PROJECT PAGE

CLIENT NMOCD DATE 2/27/2024 BY SH

CHECKED BY

2/27/2024

0800 - SMA arrived onsite. At Unit 19.
0805 - J+H onsite.
Reviewed the days scope and safety items. Signed JSA.

0815 - J+H sets up at Unit 19. WH surface scrape a bit more.
Stained areas have definite oil odor. Not super strong though.

0925 - J+H (Zach) heading to pick up/pull ~~Polyline~~ metal cables from middle of field.
Cable is long. Crew pulled cable towards road. Trying to figure out how to cut without fraying and potential to impact face.

1010 - J+H crew off to town to pick up safety masks/shields to safely cut cable.

1015 - Steph + Zach to Unit 006 to see what is there.

1100 - Back at Unit 9. J+H starting to cut short polylines into 3 ft sections.
1130 - Finished cutting

1200 - J+H crew back from town. Marking poly lines every 3 ft. Too windy to scrape soil.

1330 - At Unit 6, picking up ~~buried~~ partially buried piping w/ tractor

1400 - At Unit 19, picking up cut polylines.

1415 - offsite. J+H also off site.

Artesia Field Notes 2/28/24

0800 - SMA arrived on site
0805 - JSA reviewed safty measures and ~~job~~ scope of work
Signed JSA.
0830 - waiting for vac truck adapter to Flush Flow lines
0900 - Second vac truck showed up
0930 - Steph on site
1100 - Started pump out on Flow line

SUBJECT Artesia Metex - Field Work PROJECT PAGE

CLIENT NMOCD DATE 2/28/2024 BY

CHECKED BY

11:00 - Georgeann offsite.

J + H prepping for flushing polyline, starting with long one from Unit 19 to Unit 5. Approximately 50 barrels of fresh water pumped through. Approximately ~~40~~ 60 bbls of petroleum liquid coming from poly line. ↳ + flush water
So total of about 10 bbls of petroleum liquid was in the line.

1200 - Finished flushing line. Began cutting poly into 3-ft sections.
1300 - Move over to Unit 18 and pulled polyline to that pad area.

1525 - Begin cutting the multiple polylines into 3 ft sections. Will come back tomorrow with generator and extra cutting tools.

1600 - Offsite. J + H offsite too.

Artesia Metex Units - Notes- 2/29/24

32° degrees
Cloudy/wet

0800 on site
0800 Signed JSA
0820 Cutting pipe
0845 Break to warm up
0930 J+J brought trash trailers to haul off pipe
1000 Back to cutting pipe and loading into trash bin
1215 lunch break
1240 Back to work Cutting pipe
1500 left Site

Artesia Metex - NMOCD March 1, 2024

Field Notes:

SMA onsite @ 0755 @ unit # 018

JSA @ 0800

J+H onsite @ 0700 w/ 2 hacksaws and began work on cutting the poly line

when SMA arrived onsite J+H had ~80% of the poly line cut but still has some metal pipe all over the units that needed to be collected & cut.

→ J+H is going to split cut poly between two trash trailers for weight

Completed cutting poly @ 0830

Started loading poly into trash trailers @ 0840

Miguel w/ J+H arrived onsite @ 0900

→ signed JSA

→ gave me more of a game plan

* J+H will finish loading poly in trash trailers and then scrape in areas where there was liquid release after poly flushing & cutting.

They will then work on gathering all of the spool piles to one location & the belly will have to travel to all 4 locations w/ piles.

once that is complete (which is their #1 priority because they will be hauling it off on monday) they will then gather any metal piping and begin cutting that.

@ 0945 they began moving dirt piles & scraping dirty areas

SMA left site @ 1100

Artesia Metals NMOCD 3-4-2024 CG

0800 - Arrived on site filled out JSA
0815 - Signed JSA with J+H
0830 - J+H had piled Contaminated soil onto Unit 018 From all units
1000 - Semi brought one load of top soil
1030 - Semi hauled one load of ~~top~~ ~~soil~~ Contaminated soil.
Miguel ~~out~~ estimated 40yrds (2 loads) hauled out
1200 - lunch - Semi had a blow out ~~tire~~
~~3:00~~ - Continued to Scrape the rest of the day.

- Going to continue hauling in the morning.

3-5-2024

- miguel - Hauled in' 20 yrds hauled out 40yrds

3-6-2024

- dozer arrived on site First thing.
1200 - Started ripping ~~pad~~ unit 005

~~3-7-2024~~

- NO Contamination observed on any Unit

3-11-2024

J+H OFF back to work on 3-12-24

-1030 - Filled out JSA
- J+h Crew Signed JSA
- When I Arrived guys were working on unit 018 'Ripping'
- Unit 005, Access road to unit ~~018~~ 017, Unit 017, Access road to Unit 018 were complete.

*No visible staining on any site

-1300 - Started Ripping Unit 019.

3-13-24

- J+h Continued Ripping Unit 019. And plan to do Access road in the morning

3-14-24

-1100 Arrived on site Filled out JSA J+H Signed JSA
- 1130 J+H were Ripping access roads from unit 019.
- 1200 walked around Unit 019 and observed darker colored soil was ripped up with the dozer. It also contained a smell.
-1215 Notified Steph of findings
- J+H notified as well as OCD
-1300 miguel and I walked ~~road~~ Unit 006 made a plan to only rip bare spots. Miguel said we may rip up more Contamination due to reserve pad.
-As for now no contamination has been ~~observed~~ observed.

Artesia, New Mexico NMOCD 3-18-24

- J+H are moving equipment For seeding in.
- J+H are moving equipment out that is no longer needed
- Bringing ino straw rolls to unit sites.

3-19-24

- J+H Started seeding and Finished up Unit 006 and unit 08 plus access roads.

3-20-24

- J+H Finished seeding all units and access roads @ noon and Started Laying Straw.

NORM SCREENING FORM

LOCATION NAME: Artesia Metex Unit #018	**DATE:** 01/09/2024
SMA PERSONNEL: Sarahmay Schlea & Erin Berry	**TIME ON SITE:** 1040
INSTRUMENT: Geiger Counter Ludlum Model 3 Serial Number 83222	**TIME OFF SITE:** 1145

EQUIPMENT ID	Time	Instrument Reading (cpm)	Exposure Rate (µR/hr)	Photo taken	NOTES/REMARKS (e.g. GPS)
AM18_001	1040	2200	12.57	☑ Yes	32.727363, -104.233727
AM18_002	1045	1300	7.43	☑ Yes	32.727295, -104.233538
AM18_003	1048	1200	6.86	☑ Yes	32.727430, -104.233364
AM18_004	1049	1200	6.86	☑ Yes	32.727692, -104.233522
AM18_005	1053	1700	9.71	☑ Yes	32.729076, -104.233682
AM18_006	1055	1200	6.86	☑ Yes	32.729760, -104.234086
AM18_007	1057	1400	8.00	☑ Yes	32.729847, -104.234061
AM18_008	1109	1200	6.86	☑ Yes	32.726746, -104.233137
AM18_009	1110	1500	8.57	☑ Yes	32.726752, -104.233118
AM18_010	1117	1500	8.57	☑ Yes	32.726043, -104.233386
AM18_011	1120	1700	9.71	☑ Yes	32.726192, -104.233534
AM18_012	1124	1500	8.57	☑ Yes	32.726729, -104.232866
AM18_013	1128	1500	8.57	☑ Yes	32.726355, -104.232251
AM18_014	1130	1200	6.86	☑ Yes	32.726593, -104.232033
AM18_015	1132	1900	10.86	☑ Yes	32.726593, -104.231731
AM18_016	1138	1600	9.14	☑ Yes	32.726605, -104.231045
AM18_017	1140	1500	8.57	☑ Yes	32.726667, -104.230612

Conversion rate: 175 cpm per µR/hr. Example: If instrument reading was 2000 cpm, then 2000/175 = 11.43 µR/hr.

NORM disposal threshold = 50 µR/hr. If exceeds, then notify SMA project manager/safety officer/OCD.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #1	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.727363N -104.233727W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline, NORM = 2200 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #2	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.727295N -104.233538W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1300 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #3	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.727430N -104.233364W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1200 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #4	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.727692N -104.233522W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1200 cpm.

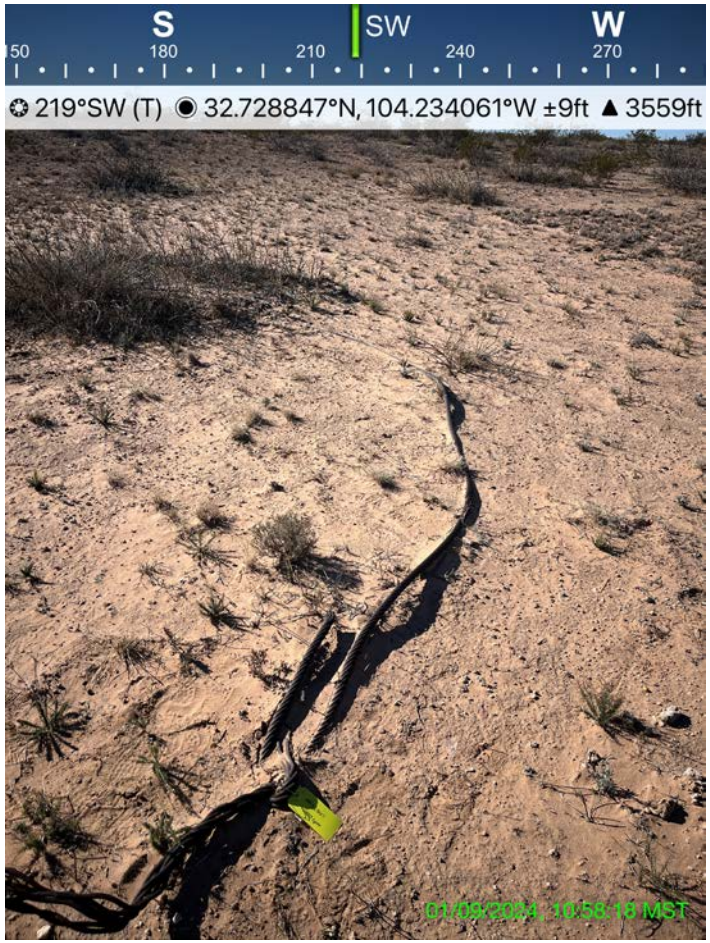
Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #5	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.728076N -104.233682W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1700 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #6	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.728760N -104.234086W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1200 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #7	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.728847N -104.234061W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1400 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #8	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726746N -104.233137W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline, NORM = 1200 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #9	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726752N -104.233118W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal piping, NORM = 1500 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #10	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726043N -104.233386W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal scraps, NORM = 1500 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #11	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726192N -104.233534W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal cable, NORM = 1700 cpm.

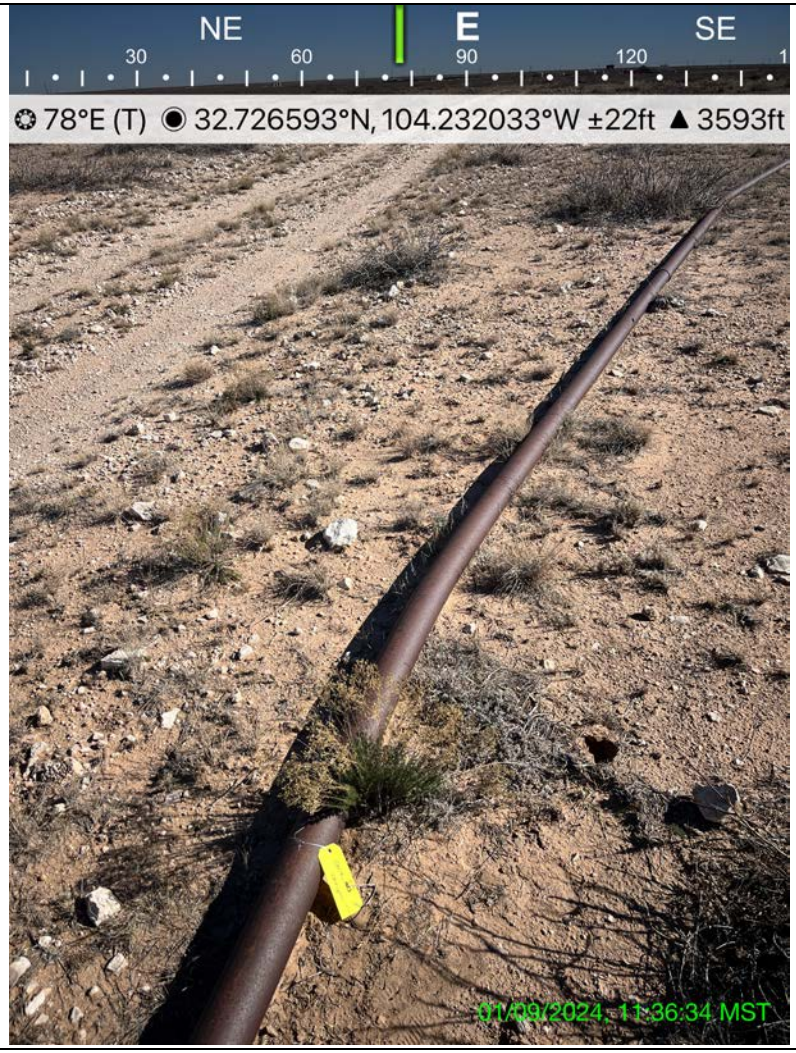
Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #12	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726729N -104.232866W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline T-junction with metal piping, NORM = 1500 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #13	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726855N -104.232251W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline, NORM = 1500 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #14	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726593N -104.232033W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, metal piping, NORM = 1200 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #15	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726593N -104.231731W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline, NORM = 1900 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #16	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726605N -104.231045W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline, NORM = 1600 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #17	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 01.09.2024	
Equipment Location: 32.726667N -104.230612W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Unit #018 debris, polyline, NORM = 1500 cpm.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #18	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 02.27.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Stephanie Hinds	Description: Cable length pulled from field and collected near AM Unit #018.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #19	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 02.27.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Stephanie Hinds	Description: Polyline tee connection near AM Unit #018.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #20	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 02.28.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Stephanie Hinds	Description: Polyline gathered at AM Unit #018.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #21	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 02.29.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Cutting of polyline gathered at AM Unit #018 into 3-foot sections. Surface scraping of operational staining stockpiled on wellpad.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #22	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 02.29.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Cutting of polyline gathered at AM Unit #018 and loading onto trailer. Surface scraping of operational staining stockpiled on wellpad.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #23	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.04.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Cutting of metal piping gathered at AM Unit #018.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #24	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.04.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Left: Surface scraping of operational staining stockpiled on wellpad. Right: Crews cutting polylines into 3-foot sections.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #25	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.04.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Surface scraping of operational staining stockpiled on wellpad.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #26	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.04.2024	
Site Location: 32.72646N -104.23312W S: 24 T: 18S R: 27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Loading and hauling of soil impacted by operational staining.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #27	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.12.2024	
Release Location: 32.726383N -104.235248W S:24 T:18S R:27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Access road and Unit #018 wellpad ripping in process.

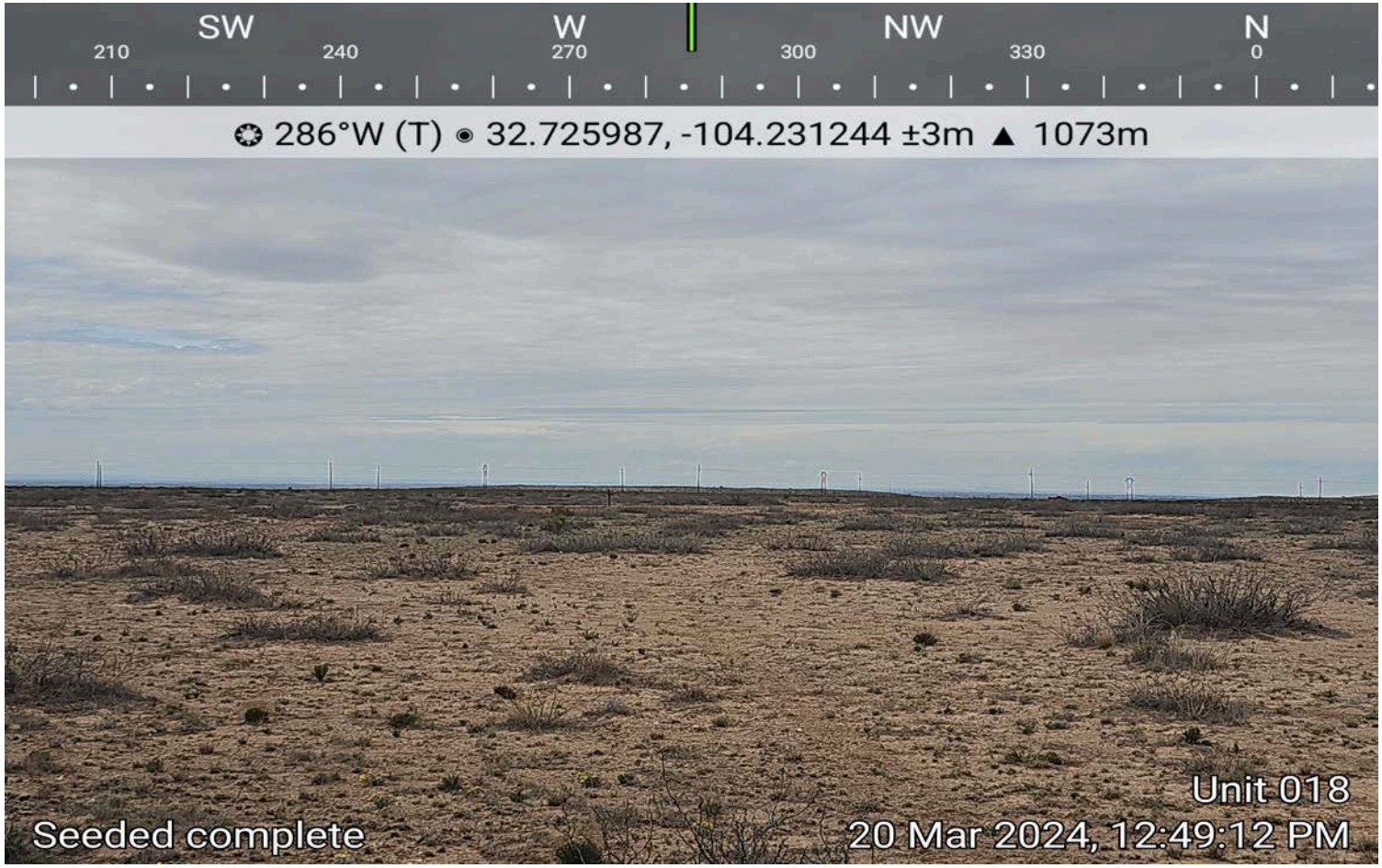
Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #28	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.12.2024	
Release Location: 32.726383N -104.235248W S:24 T:18S R:27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Access road and Unit #018 wellpad ripping complete.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #29	
Client: New Mexico OCD	
Site Name: Artesia Mtex Unit #018	
Date Photo Taken: 03.12.2024	
Release Location: 32.726652N -104.234835W S: 24 T:18S R:27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Ripping in process for road approaching Unit #018.

Photograph Log
SITE: Artesia Metex Unit #018
CLIENT: New Mexico OCD

Photograph #30	
Client: New Mexico OCD	
Site Name: Artesia Metex Unit #018	
Date Photo Taken: 03.20.2024	
Release Location: 32.725987N -104.231244W S:24 T:18S R:27E Eddy County, New Mexico	
Photo Taken by: Georgeann Goodman	Description: Unit #018 from a distance. Seeding process complete.

APPENDIX C:

SEED MIX LIST

Worksheet for Determining Seeding Rates and Amounts

Client: Turkey Track **Field Office:** Artesia W
Planned by: RSJ **Date:** 10/30/2020

Field No.	Acres to be Planted	Species	Planting Rate per Acre	% of Mix	Amount Required per Acre	Total Amount Required
1	1.0	Grama, Blue (Native)	10.0 Pls lb	40%	4.0 Pls lb	4.0 Pls lb
		Dropseed, Sand	1.0 Pls lb	10%	0.1 Pls lb	0.1 Pls lb
		Bluestem, Cane	6.0 Pls lb	5%	0.3 Pls lb	0.3 Pls lb
		Grama, Sideoats (Haskell)	4.5 Pls lb	40%	1.8 Pls lb	1.8 Pls lb
		Plains Bristlegrass, Native	3.0 Pls lb	15%	0.5 Pls lb	0.5 Pls lb
			Total	**110%**	**6.7**	**6.7**

Field No.	Acres to be Planted	Species	Planting Rate per Acre	% of Mix	Amount Required per Acre	Total Amount Required
2	1.0	Bluestem, Sand (Woodward)	5.0 Pls lb	20%	1.0 Pls lb	1.0 Pls lb
		Bluestem, Little (Native)	3.4 Pls lb	30%	1.0 Pls lb	1.0 Pls lb
		Plains Bristlegrass, Native	5.0 Pls lb	20%	1.0 Pls lb	1.0 Pls lb
		Dropseed, Sand	1.0 Pls lb	10%	0.1 Pls lb	0.1 Pls lb
		Grama, Blue (Native)	10.0 Pls lb	20%	2.0 Pls lb	2.0 Pls lb
		Bluestem, Cane	6.0 Pls lb	5%	0.3 Pls lb	0.3 Pls lb
		Grama, Sideoats (Haskell)	4.5 Pls lb	10%	0.5 Pls lb	0.5 Pls lb
			Total	**115%**	**5.9**	**5.9**

Artesia Metex seed mix

Field No.	Acres to be Planted	Species	Planting Rate per Acre	% of Mix	Amount Required per Acre	Total Amount Required
3	1.0	Grama, Sideoats (Haskell)	4.5 Pls lb	40%	1.8 Pls lb	1.8 Pls lb
		Bluestem, Little (Native)	3.4 Pls lb	25%	0.9 Pls lb	0.9 Pls lb
		Grama, Blue (Native)	10.0 Pls lb	40%	4.0 Pls lb	4.0 Pls lb
		Dropseed, Sand	1.0 Pls lb	10%	0.1 Pls lb	0.1 Pls lb
		Bluestem, Cane	6.0 Pls lb	5%	0.3 Pls lb	0.3 Pls lb
			Total	**120%**	**7.1**	**7.1**

Field No.	Acres to be Planted	Species	Planting Rate per Acre	% of Mix	Amount Required per Acre	Total Amount Required
4	1.0	Sacaton, Alkali	1.0 Pls lb	50%	0.5 Pls lb	0.5 Pls lb
		Saltbush, Fourwing	5.0 Pls lb	40%	2.0 Pls lb	2.0 Pls lb
		Grama, Sideoats (Haskell)	4.5 Pls lb	10%	0.5 Pls lb	0.5 Pls lb

				Total	100%	3.0	3.0
Field No.	Acres to be Planted	Species	Planting Rate per Acre		% of Mix	Amount Required per Acre	Total Amount Required
5	1.0	Sacaton, Alkali	1.0	Pls lb	40%	0.4 Pls lb	0.4 Pls lb
		Saltbush, Fourwing	5.0	Pls lb	15%	0.8 Pls lb	0.8 Pls lb
		Grama, Sideoats (Haskell)	4.5	Pls lb	50%	2.3 Pls lb	2.3 Pls lb
				Total	105%	3.4	3.4
Field No.	Acres to be Planted	Species	Planting Rate per Acre		% of Mix	Amount Required per Acre	Total Amount Required
				Total			

APPENDIX D:

WASTE MANIFESTS

Waste manifests indicates all operationally stained soil was removed from AM Unit #019. Operationally stained soil was stockpiled from all units onto AM Unit #018, and was removed from AM Unit #018

LEA LAND LLC

LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST	No. 201875	Trailer No. J&H SERVICES 682

GENERATOR

Company Name: J & H Services Phone: 505-896-9428	Address: 6616 Gulton Ct NE #190 Albuquerque, NM 87109	Disposal Date: 03-04-2024 12:06 PM

Name Or Description Of Waste Shipped:

[X] RCRA Exempt [ ] RCRA Non-Exempt

Weight (lbs): 35780, 36140 T@ 71920

Lease/Job Name: ARTESIA METEX UNIT # 19

Generator's Representative: Zach Conder

TRANSPORTER

Name: J&H Services, Inc.

Emergency Contact:

Emergency Contact Phone:

Transporter: Acknowledgment of Delivery of Material

Printed/Typed Name (Impreso/Mecanografico): Raul R Cardenas

Signature (Firma): X [signature] **Date:** 03-04-2024 12:06 PM

DISPOSAL FACILITY

Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	(575) 887-4048
Permit No: NM-1-0035-New Mexico	**Comments:**	

Disposal Facility's Certification:
I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.

Authorized Signature: [signature]	Unit No: IIA	Date 03-04-2024	Time 12:06 PM

LEA LAND LLC

LEA LAND, LLC SURFACE WASTE LANDFILL

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

NON-HAZARDOUS WASTE MANIFEST		No. 201902	Trailer No. J&H 682
GENERATOR	Company Name: J & H Services Phone: 505-896-9428	Address: 6616 Gulton Ct NE #190 Albuquerque, NM 87109	Disposal Date: 03-05-2024 09:22 AM
	Name Or Description Of Waste Shipped: [X] RCRA Exempt [ ] RCRA Non-Exempt		
	Weight (lbs): 42540, 43160, 43740 Ta 129440		
	Lease/Job Name: ARTISIA METEX UNIT # 19		
	Generator's Representative: Zach Conder		
TRANSPORTER	Name: J&H Services, Inc. Emergency Contact: Emergency Contact Phone:		
	Transporter: Acknowledgment of Delivery of Material Printed/Typed Name (Impreso/Mecanografico): Raul R Cardenas Signature (Firma): X [signature] Date: 03-05-2024 09:22 AM		
DISPOSAL FACILITY	Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East Of Carlsbad, NM	(575) 887-4048
	Permit No: NM-1-0035-New Mexico	Comments:	
	Disposal Facility's Certification: I Hereby Certify That The Above-Described Wastes Were Delivered To This Facility.		
	Authorized Signature: [signature]	Unit No: IIA	Date 03-05-2024 / Time 09:22 AM

APPENDIX E:

GEIGER COUNTER CALIBRATION RECORD

Designers and Manufacturers of Scientific and Industrial Instruments
www.ludlums.com

LUDLUM MEASUREMENTS, INC.
501 Oak Street
325-235-5494
Sweetwater, TX 79556, U.S.A.

CERTIFICATE OF CALIBRATION

ACCREDITED
CERT # 4084.01

Customer JAKD SOLUTIONS LLC ORDER NO. 20456634/547544

Mfg. Ludlum Measurements, Inc. Model 3 Serial No. 83222

Mfg. Ludlum Measurements, Inc. Model 44-2 Serial No. PR354334

Cal. Date 24-Oct-23 Cal Due Date 24-Oct-24 Cal. Interval 1 Year Meterface 202-002

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T. 72 °F RH 43 % Alt 702.3 mm Hg

☐ New Instrument Instrument Received ☑ Within Toler. +-10% ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair ☐ Other-See comments

☑ Mechanical ck. ☑ Meter Zeroed ☐ Background Subtract ☑ Input Sens. Linearity
☑ F/S Resp. ck ☑ Reset ck. ☑ Window Operation ☑ Geotropism
☑ Audio ck. ☐ Alarm Setting ck. ☑ Batt. ck.
☑ Calibrated in accordance with LMI SOP 14.8 ☐ Calibrated in accordance with LMI SOP 14.9

Instrument Volt Set 750 V Input Sens. 26 mV Det. Oper. 750 V at 26 mV Threshold Dial Ratio = mV

☐ HV Readout (2 points) Ref./Inst. / V Ref./Inst. / V

COMMENTS:
Cs-137 ≈ 0.5 µCi check source SN N/A reads ≈ 700 cpm (70 kcpm @ x100) with flat end of 44-2 placed on the label side of the check source.

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.
Multimeter uncertainty within 1.3% of reading, Gamma uncertainty within 5.0% of reading, Neutron uncertainty within 7.0% of reading, Count rate uncertainty within 5.4% of reading

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING
X 100	400K cpm	4 k cpm	4 k cpm
X 100	100K cpm	1	1
X 10	40K cpm	4	4
X 10	10K cpm	1	1
X 1	4K cpm	4	4
X 1	1K cpm	1	1
X 0.1	400 cpm	4	4
X 0.1	100 cpm	1	1

ALL **Range(s) Calibrated Electronically**

Digital Readout	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING

Log Scale	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques.
All pass/fail determinations are based on the manufacturer's specifications without considering uncertainty factors.
Measurement results represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k=2.
The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323AB-2013
ISO/IEC 17025:2017(E)
State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: Cs-137 S/N: ☐ 059 ☐ 2171CP ☐ 2261CP ☐ 720 ☐ 734 ☐ 781 ☐ 1131 ☐ 1616 ☐ 1696 ☐ 1909 ☐ 1916CP ☐ 2324/2521
☐ 5717CO ☐ 5719CO ☐ 60646 ☐ 70897 ☐ 73410 ☐ E552 ☐ G112 ☐ 2168CP ☐ S-394 ☐ S-1054 ☐ T10081 ☐ T10082 Neutron Am-241 Be ☐ T-304 Ra-226 ☐ Y982
☐ E551 ☐ 5105 ☐ CSV280

☐ Alpha S/N ☐ Beta S/N ☐ Other

☑ m 500 S/N 189509 ☐ Oscilloscope S/N ☑ Multimeter S/N 50970100

Calibrator Heather Crain Heather Crain Title Calibrator Date 24 Oct 23

QC'd By Title Final QC Date 25 Oct 23

AC Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 351701

CONDITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 351701
	Action Type: [IM-SD] Well File Support Doc (ENV) (IM-BWF)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	6/6/2024