

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 07 2016

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
Contract 167

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Roddy Production Co.

3a. Address
PO Box 2221 Farmington NM 87499

3b. Phone No. (include area code)
505 325 5750

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Amerada Jicarilla #4

9. API Well No.
30-039-22585

10. Field and Pool or Exploratory Area
West Lindrith Gallup-Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FNL x 1850' FEL Sec. 11, T23N, R3W

11. Country or Parish, State
Rio Arriba County New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Reclamation, seeding and fencing have been completed as of 9/12/2016 on the Amerada Jicarilla #4 API # 30-039-22585 for Roddy Production Co. Attached are notifications, photo's, soil analysis, lab results and documentation.

OIL CONS. DIV DIST. 3

OCT 31 2016

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Jeremy Divine

Title Foreman

Signature

Date 10-6-2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD

Accepted For Record
CS

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GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

**RODDY PRODUCTION CO.
AMERADA JICARILLA #4 (API 30-039-22585)
1850' FNL X 1850' FEL, S-11, T23N, R3W
CONTRACT 167, RIO ARRIBA COUNTY, NM
P&A Reclamation Plan**

PURPOSE AND SCOPE

The purpose of this Reclamation Plan is to ensure final reclamation of the Amerada Jicarilla #4 well pad site, associated access road and well tie pipeline based on the BLM/Roddy Production on-site inspection conducted on Date.

PROPOSED RECLAMATION PLAN

NOTE: NO disturbance will occur outside the areas currently disturbed by the well location, access road and pipeline ROW boundaries.

Roddy Production Co. will comply with the requirements in accordance with the approved Sundry Notice associated with this submittal.

- Contact BLM/Jicarilla Apache Nation 48 hours prior to commencing earthwork.
- Reclamation to be completed within 1 year of plugging date.
- Remove all underground production piping.
- Plug cathodic ground bed if present on location.
- Remove Power poles, rectifier and radio equipment.
- Remove all rig anchors on the location.
- Strip available topsoil from areas that will be disturbed during the reclamation of this well site. Stockpiled topsoil will be kept separate from fill material.
- Remove all gravel on well pad surface. Gravel may be used as fill material at the base of the cut slope to re-establish the natural topography.
- Use fill material on the well location to reconstruct natural topography.
- Rip the access road to eliminate surface compaction hard pan. Where the road has become imbedded (below natural grade), fill material will be hauled in to re-establish the natural grade of the road prior to disturbance.
- After location has been re-contoured, rip, disk and seed the location and access road to establish a proper seedbed. Seeds will be planted with a disk type seed drill.
- Install a woven wire fence at and across the access road leading to the well site at the intersection of the main road and take off point(s) to discourage access on rehabilitated access road.
- Install a sign on fence, i.e. "Seeded Area -- Do Not Disturb".

Waste Material Handling and Disposal

All surface equipment and trash, if any, will be removed from the location and disposed of at an approved waste disposal facility.

If contaminated soil is discovered during the reclamation of this well location, Roddy Production Co will follow NTL 93-1 "Guidelines for Unlined Surface Impoundments Closure" for testing requirements and allowable threshold limits.

Surface Reconstruction and Stabilization

The long term objective of final reclamation is to set the course for eventual ecosystem restoration including the restoration of natural vegetation. Roddy Production Co. will avoid disturbance to the mature vegetation that has become well established on the pad perimeter to the extent practicable, and will focus reclamation efforts toward de-compaction, removing sharp, angular features to more closely approximate the natural contours, re-establishing natural drainage patterns, and re-vegetating the abandoned well pad and associated access road.

Well Pad Reclamation

(Note: some steps may occur in a different sequence than listed below or may occur simultaneously as the case may be):

The following activities would take place before commencing with any dirt work to restore the pad surface:

- The BLM/Jicarilla Apache Nation Authorized Officer will be notified at least 48 hours prior to construction.
- Pre-construction conditions will be documented and pictures taken from the four cardinal directions for future reference.
- The P&A marker will remain as is. All pertinent well information is permanently imprinted onto the marker for future reference.
- Temporary and/or permanent storm water and erosion control (Best Management Practices (BMPs)) will be employed at appropriate locations around the pad as dictated by local drainage patterns and expected areas of disturbance and slopes AND across the access road. BMP selection will be determined by local factors and will be a combination of sediment and erosions controls that are deemed effective and low maintenance. Straw wattles, diversion ditches, mulch, soil blankets, and/or other suitable BMPs may be used in various combinations, as appropriate, during and after construction activities. All temporary measures will be maintained and if necessary, removed prior to submitting a Final Abandonment Notice (FAN) for approval.
- Remove all gravel on well pad surface. Gravel may be used at the base of the cut slope underneath the fill material to re-establish the natural topography.
- Topsoil from well pad will be stripped, stockpiled and kept separately from spoil material.
- Use fill material to reconstruct natural topography.
- Those areas where healthy, mature, and weed-free vegetation has established along the pad perimeter will remain undisturbed to the extent possible.
- Natural drainage patterns will be restored, as practical, as near as possible to pre-disturbance conditions.
- The pad surface will be ripped by Bulldozer or Grader to reduce compaction and to establish a suitable root zone in preparation for topsoil replacement.
- Topsoil will be redistributed evenly across the pad surface and disked to prepare the soil for seeding.

- All disturbed areas will be seeded in accordance with current industry BMP's. Drill seeding will follow the contour of the slope and under no circumstances will seed be drilled up and down the contours.

Access Road Reclamation

- Upon completion of all well pad reclamation activities, the associated access road will be reclaimed using much the same methods as described above. The road will be ripped and scarified to reduce compaction, and any sharp or angular cuts or fills would be restored as near as possible to pre-disturbance contours. Natural drainage patterns will be restored, to the extent practical, as near as possible to pre-disturbance conditions. Where the road has become imbedded (below natural grade), fill material will be hauled in to re-establish the natural grade of the road prior to disturbance. **NO disturbance will occur outside the areas currently disturbed by the access road boundaries.**

Established vegetation along the roadsides will remain undisturbed where possible to encourage native plant growth onto the new disturbance and to maintain erosion and sediment control. Straw wattles and/or diversion ditches will be placed at appropriate locations along the road as needed to prevent sediment transport to local drainages. Other suitable BMPs may be used in various combinations, as appropriate, during and after construction activities.

To discourage future use of the road, a temporary woven wire fence will be constructed at and across the access road leading to the well site at the intersection of the main road and take off point(s) to discourage access on rehabilitated access road and will serve as a barricade to discourage access to the newly reclaimed road and will be left in place until the road & well pad have been stabilized.

A sign will be installed on the fence, i.e. "Seeded Area -- Do Not Disturb" or equivalent.

Re-establishing Surface Hydrology

Natural drainage patterns will be restored as near as possible to pre-construction conditions, except where restoring the natural drainage will cause excessive disturbance and disrupt the natural rehabilitation processes that have already been established. In those areas, additional means for ensuring proper drainage, such as water bars or diversion ditches, may be employed.

Eroded areas will be filled in using fill material from the well location and Best Management Practices (BMP's) for Storm water pollution prevention such as silt traps, excelsior mats, wattles/sediment control logs and straw distributed on the surface and crimped or harrowed into the soil after drill seeding.

Given that the well pad will effectively be inaccessible following road reclamation and because the only potential pollution source will be runoff sediment; the temporary storm water BMPs will be removed upon completion of construction activities. Drainage, sediment, and erosion controls will be managed through vegetative practices and/or biodegradable materials (i.e. soil blankets, straw wattles, crimped straw, mulch, brush and woody debris, pocking, etc.).

All drainage, sediment, and erosion controls will be implemented in accordance with Roddy Production's standard Storm water Management Plan.

Site Preparation, Soil Management and Handling

Fill material will be pushed into cuts and over the back slope as necessary and any sharp, angular cuts and fills will be smoothed to conform as nearly as practical to the adjacent landform. The pad and road surfaces will then be ripped, scarified, and/or disked to a depth adequate for establishing a suitable root zone.

All salvaged topsoil material will be reused and spread evenly over the disturbed areas. Prior to seeding, all disturbed areas will be left with a rough surface to facilitate moisture and seed retention, and vegetative slash/brush will be placed at expected discharge areas to minimize sediment transport. The topsoil in the area is generally deep and no soil amendments are expected or proposed.

Revegetation

Following soil preparations, a range drill (disk type seed drill) will be used to apply the approved seed mix over the disturbed areas. The drill will be equipped with a depth regulator to ensure even planting depths appropriate to the plant species and soil types. Should broadcast seeding be deemed more appropriate in some areas, the seed application rates will be doubled and a rake or harrow used to incorporate the seed into the soil. Any steep slopes, greater than 2:1, will be blanketed for soil stabilization and seed retention.

The seed mixture and application rates for the Jicarilla Apache Nation (south reservation blend <12" Precip) Vegetative Community will be as follows:

Species	Variety	Pound/Acre (PLS)
Blue Grama	Hachita	.6
Galleta	Viva	.8
Indian Rice Grass	Paloma or Nezpar	1.1
Western Wheatgrass	Arriba or Barton	3.2
Pubescent Wheatgrass	Luna	2.1
Crested Wheatgrass	Ephraim or Hycrest	1.5
Blue Flax	Appar	.3
Palmar Penstemon	Cedar	1.0
		Total: 10.6

* Seed mix is available locally or from Southwest Seed in Dolores, CO.

Seed mixtures will be certified weed-free and the seeding records (bag labels) or other official documentation will be available to the Authorized Officer prior to seeding.

Seeding will be accomplished as soon as reasonably possible following completion of earthwork activities, generally within 7 days. The Authorized Officer will be notified forty-eight (48) hours prior to commencing with seed application.

Weed Management

Roddy Production's objective is to implement an integrated weed management program to control weed populations and establish desirable vegetation utilizing the following strategies:

- Control the introduction and spread of weeds through early detection.
- Establish desirable native vegetation on disturbed areas through successful re-vegetation efforts.
- Treat and control known weed populations.

Among the measures that will be implemented to prevent the introduction or establishment of weeds in areas not already infested include:

- Identification and eradication of new infestations as quickly as practical.
- Implement successful re-seeding efforts as quickly as practical in areas that have been disturbed.

Local factors, such as soil type and stability; grade; associated vegetation; existing and proposed land use; proximity to water; weed type and stage of growth; and severity of infestation; will be considered in selecting the appropriate weed management method(s). The management method(s) selected will be the least environmentally damaging, yet practical and reasonable in achieving the desired results.

Roddy Production will utilize chemical treatment as the preferred method of weed management and control. The proper use of herbicides at the optimum time can be an effective method for controlling persistent weeds. A Pesticide Use Proposal (PUP) will be pre-approved by the BLM/Jicarilla Apache Nation prior to any chemical treatment. The use and handling of herbicides will be in accordance with all application rates, restrictions, and warnings listed on the label and MSDS. Preparation and application of all herbicides will be licensed by the New Mexico Department of Agriculture, and a Daily Weed Pesticide Application Record will be completed and retained for all spraying activities.

Other methods to be used for weed control will include the following:

- Remove soil, seeds, and vegetative matter prior to entering or leaving the project site on all construction equipment and transport vehicles, trucks, pickups, and other vehicles.
- Ensure that all seed mixes, straw, and/or mulch used in reclamation are certified weed-free.
- Promptly establishing vegetation on disturbed areas.
- Treating and/or removing weeds prior to ground-disturbing activities to limit seed production and dispersal.
- Treating noxious weeds that have escaped the project area onto adjacent areas to prevent further expansion into un-infested areas and re-infestation of the treated area.

Monitoring

After the earthwork and seeding is completed, Roddy Production will submit a Sundry Notice informing the BLM/Jicarilla Apache Nation that reclamation has been completed and which includes a request for an inspection of the earthwork and seeding.

A joint inspection may be conducted by Roddy Production, BLM and/or Jicarilla Apache Nation.

After establishment of a self-sustaining, vigorous, diverse, native plant community is established on site, with a density sufficient to control erosion and non-native plant invasion and to re-establish wildlife or forage production vegetation, Roddy Production will submit a Sundry Notice (FAN) requesting approval

of the remediated well location and access road. Photos of the location and access road will be submitted as supporting documentation for the FAN Sundry Notice.

END OF PLAN



September 23, 2016

Project Number 07151-0020

Mr. Jeremy Divine
CrownQuest Operating
Post Office Box 2221
Farmington, New Mexico 87401

Phone: (505) 325-5750
Cell: (432) 557-6778

**RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE AMARADA JICARILLA #4 WELL SITE,
RIO ARriba COUNTY, NEW MEXICO**

Dear Mr. Divine:

Enclosed please find the *Field Notes*, *Summary of Analytical Results*, and *Analytical Results* for confirmation sampling activities performed at the Amarada Jicarilla #4 well site located in Section 11, Township 23 North, Range 3 West, Rio Arriba County, New Mexico. Based on the direction of Jicarilla Oil and Gas Administration (JOGA) Representative, Mr. Hobson Sandoval, the regulatory standards for the site were determined to be in accordance with the New Mexico Oil and Gas Conservation Division (NMOCD) and Bureau of Land Management (BLM) risk ranking criteria. Based on the horizontal distance to surface water being between 200 and 1,000 feet from the location, a depth to groundwater greater than 100 feet, and the well site not being located within a well head protection area, the regulatory standards were determined to be 1,000 parts per million (ppm) total petroleum hydrocarbons (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO), 100 ppm organic vapors, 10 ppm benzene, and 50 ppm BTEX.

On July 7, 2016, Envirotech personnel performed site assessment activities for an area near the P&A Marker with visible contamination. Envirotech personnel recommended excavation of the visible contamination to the extents of approximately eight (8) feet by eight (8) feet by 12 inches below ground surface (BGS) and sampling for closure.

On July 21, 2016, Envirotech personnel returned to the site. The area of concern was excavated approximately six (6) to 12 inches BGS. One (1) five (5) point composite sample was collected from the excavation and screened in the field for organic vapors using a photoionization detector (PID) and for TPH using USEPA Method 418.1; see enclosed *Field Notes*. The sample returned a result above the regulatory standard of 1,000 ppm for TPH, but below the regulatory standard for organic vapors; see enclosed *Field Notes*. Envirotech recommended excavating further. The area near the P&A Marker was excavated an additional one (1) foot BGS. One (1) five (5) point composite soil sample was collected and screened for organic vapors and TPH in the field. The sample returned a result below the regulatory standards for TPH and organic vapors; see enclosed *Field Notes*. The sample was placed into a four (4) ounce glass jar, capped headspace free, and transported on ice, under chain of custody to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015D and benzene and total BTEX using USEPA Method 8021B. The sample returned results below the regulatory standards for all

constituents analyzed; see enclosed *Analytical Results*. In concurrence with the JOGA representative Mr. Hopson Sandoval and NMOCD representative Mr. Cory Smith, Envirotech recommends *No Further Action* in regards to this project.

We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.



Isaac Garcia
Environmental Field Technician
igarcia@envirotech-inc.com

Enclosure(s): Field Notes
Summary of Analytical Results
Analytical Results

Cc: Client File Number 07151

CLIENT: <u>Crown Quest</u> CLIENT/JOB #: <u>07151-0020</u> START DATE: <u>7/21/16</u> FINISH DATE: <u>7/21/16</u> Page # <u>1</u> of <u>1</u>	 envirotech <small>(505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401</small>	Envmtl. Spclst: <u>R. Garcia</u> C.O.C. No: _____ LAT _____ LONG _____
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Field Report: Spill Closure Verification

NMOCD Ranking: <u>10</u>	Depth to GW: <u>>100</u>	WH Protection Area: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
NMOCD TPH Closure Std.: _____	Distance to SW: <u>~ 500'</u>	
LOCATION: Name: <u>Amarada Ticarilla</u> Well #: <u>4</u> API: _____ County: <u>Rio Arriba</u> State: <u>New Mexico</u>		
Cause of Release: _____	Material Released: _____	Amt. Released: _____
QUAD/UNIT: _____	SEC: <u>11</u>	TWP: <u>23</u> RNG: <u>3</u> PM: _____
Wellhead Lat/Long: _____	Land Jurisdiction: _____	QTR Footage: _____
Spill Located Approximately: _____ FT. FROM _____		
Excavation Approx: <u>15</u> FT. X <u>25</u> FT. X <u>1'865</u> FT. Cubic Yardage: _____		
Disposal Facility: _____ Remediation Method: _____		
Land Use: _____ Lease: _____ Land Owner: _____		

FIELD 418.1 ANALYSIS

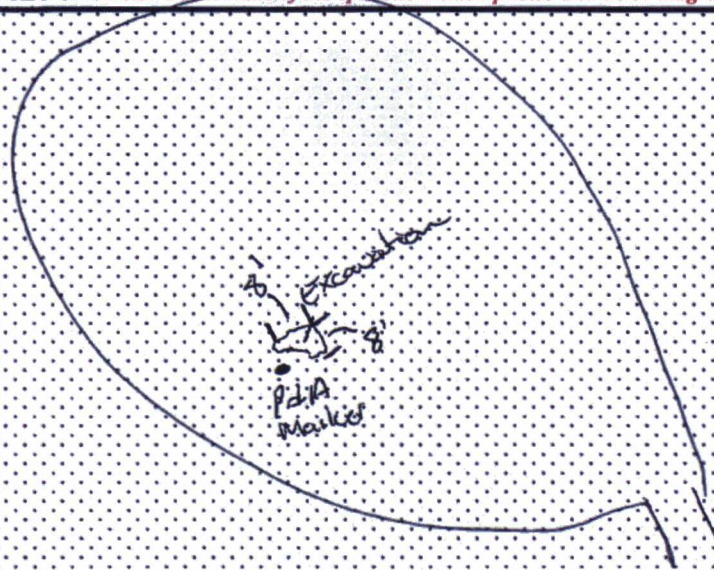
SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<u>Excavation 1</u>	<u>1:47</u>		<u>5</u>	<u>20</u>	<u>4</u>	<u>466</u>	<u>1864</u>
<u>Excavation 1 + 1'</u>	<u>2:40</u>		<u>5</u>	<u>20</u>	<u>4</u>	<u>169</u>	<u>676</u>

OVM Results

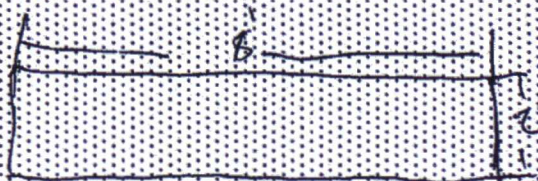
Lab Testing

Sample ID	Field Headspace PID (ppm)	Sample ID	Field Headspace PID (ppm)	Sample ID	Analysis Type	Time
<u>Excavation 1</u>	<u>2.1</u>					
<u>Excavation 14</u>	<u>1.1</u>					

SPILL PERIMETER: Draw a schematic of the spill site. Attach photos and other diagrams as needed.



EXCAVATION PROFILE:



NOTES:

Include number of samples and borings taken, and screening types completed.

Describe spill in narrative format including amount, source and type of product.

WO #:

Who Ordered/Site Rep:

Table 1, Summary of Analytical Results

CrownQuest Operating

Amarada Jicarilla # 4

Confirmation Sampling Report

Project Number 07151-0020

Date	Sample Description	Sample Number	PID (mg/kg)	OV (mg/kg)	USEPA Method 418.1 TPH (mg/kg)	USEPA Method 8015 TPH (GRO+DRO) (mg/kg)	USEPA Method 8021	
							Benzene (mg/kg)	BTEX (mg/kg)
NA	New Mexico Oil Conservation Division Standards	NA	100		1,000	1,000	10	50
7/21/2016	Excavation 1	1	2.1		1,864	NS	NS	NS
7/21/2016	Excavation 1+1'	2	1.1		676	101	ND	ND

*Values in **BOLD** above regulatory limits

*NS - Parameter not sampled *ND - Parameter not detected

*Closure Sample



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Crown Quest Operating
Sample No.: 1
Sample ID: Excavation 1
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 07151-0020
Date Reported: 9/23/2016
Date Sampled: 7/21/2016
Date Analyzed: 7/21/2016
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,864	5.0

ND = Parameter not detected at the stated detection limit.


References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Amarada Jicarilla #4**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Isaac Garcia
Printed


Review
Felipe Aragon, CES
Printed



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Crown Quest Operating
Sample No.: 2
Sample ID: Excavation 1+1'
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 07151-0020
Date Reported: 9/23/2016
Date Sampled: 7/21/2016
Date Analyzed: 7/21/2016
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	676	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Amarada Jicarilla #4**

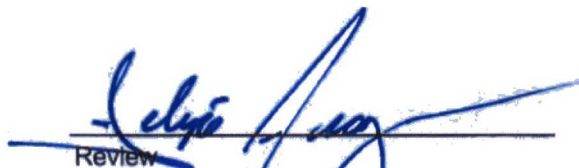
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Isaac Garcia

Printed



Review

Felipe Aragon, CES

Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 21-Jul-16

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	181
	200	
	500	
	1000	
	5000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

9/23/2016

Date

Isaac Garcia

Print Name

Review

9/23/2016

Date

Felipe Aragon, CES

Print Name



Analytical Report

Report Summary

Client: Crown Quest Operating
Chain Of Custody Number:
Samples Received: 7/21/2016 5:28:00PM
Job Number: 07151-0020
Work Order: P607057
Project Name/Location: Amarada Jicarilla #4

Report Reviewed By:

A handwritten signature in blue ink, appearing to read 'Walter Hinchman'.

Date: 7/28/16

Walter Hinchman, Laboratory Director

A handwritten signature in blue ink, appearing to read 'Tim Cain', followed by the initials 'TL'.

Date: 7/28/16

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Crown Quest Operating
PO 2221
Farmington NM, 87499

Project Name: Amarada Jicarilla #4
Project Number: 07151-0020
Project Manager: Greg Crabtree

Reported:
28-Jul-16 16:06

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Excavation Comp. + 1'	P607057-01A	Solid	07/21/16	07/21/16	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

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Crown Quest Operating
PO 2221
Farmington NM, 87499

Project Name: Amarada Jicarilla #4
Project Number: 07151-0020
Project Manager: Greg Crabtree

Reported:
28-Jul-16 16:06

Excavation Comp. + 1'
P607057-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %		50-150	1630010	07/22/16	07/27/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1630010	07/22/16	07/27/16	EPA 8015D	
Diesel Range Organics (C10-C28)	101	25.0	mg/kg	1	1630011	07/22/16	07/26/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %		50-150	1630010	07/22/16	07/27/16	EPA 8015D	
Oil Range Organics (C28-C40+)	199	50.0	mg/kg	1	1630011	07/22/16	07/26/16	EPA 8015D	
Surrogate: n-Nonane		90.9 %		50-200	1630011	07/22/16	07/26/16	EPA 8015D	

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Crown Quest Operating
PO 2221
Farmington NM, 87499

Project Name: Amarada Jicarilla #4
Project Number: 07151-0020
Project Manager: Greg Crabtree

Reported:
28-Jul-16 16:06

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1630010 - Purge and Trap EPA 5030A

Blank (1630010-BLK1)

Prepared: 21-Jul-16 Analyzed: 22-Jul-16

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							

Surrogate: 4-Bromochlorobenzene-PID 0.159 " 0.160 99.5 50-150

LCS (1630010-BS1)

Prepared: 21-Jul-16 Analyzed: 22-Jul-16

Benzene	11.6	0.10	mg/kg	10.0		116	70-130			
Toluene	11.3	0.10	"	10.0		114	70-130			
Ethylbenzene	11.3	0.10	"	10.0		113	70-130			
p,m-Xylene	22.5	0.20	"	20.0		112	70-130			
o-Xylene	11.0	0.10	"	10.0		110	70-130			

Surrogate: 4-Bromochlorobenzene-PID 0.162 " 0.160 101 50-150

Matrix Spike (1630010-MS1)

Source: P607050-01

Prepared: 21-Jul-16 Analyzed: 22-Jul-16

Benzene	11.4	0.10	mg/kg	10.0	ND	115	54.3-133			
Toluene	11.3	0.10	"	10.0	0.20	111	61.4-130			
Ethylbenzene	11.2	0.10	"	10.0	ND	112	61.4-133			
p,m-Xylene	22.3	0.20	"	20.0	0.32	110	63.3-131			
o-Xylene	11.0	0.10	"	10.0	0.22	108	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 0.162 " 0.160 102 50-150

Matrix Spike Dup (1630010-MSD1)

Source: P607050-01

Prepared: 21-Jul-16 Analyzed: 22-Jul-16

Benzene	11.1	0.10	mg/kg	10.0	ND	111	54.3-133	3.38	20	
Toluene	11.0	0.10	"	10.0	0.20	108	61.4-130	3.38	20	
Ethylbenzene	10.8	0.10	"	10.0	ND	108	61.4-133	3.42	20	
p,m-Xylene	21.6	0.20	"	20.0	0.32	106	63.3-131	3.37	20	
o-Xylene	10.6	0.10	"	10.0	0.22	104	63.3-131	3.25	20	

Surrogate: 4-Bromochlorobenzene-PID 0.164 " 0.160 102 50-150

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Crown Quest Operating
PO 2221
Farmington NM, 87499

Project Name: Amarada Jicarilla #4
Project Number: 07151-0020
Project Manager: Greg Crabtree

Reported:
28-Jul-16 16:06

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1630010 - Purge and Trap EPA 5030A										
Blank (1630010-BLK1)				Prepared: 21-Jul-16 Analyzed: 22-Jul-16						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.166		"	0.160		103	50-150			
LCS (1630010-BS1)				Prepared: 21-Jul-16 Analyzed: 22-Jul-16						
Gasoline Range Organics (C6-C10)	138	20.0	mg/kg	122		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.160		"	0.160		100	50-150			
Matrix Spike (1630010-MS1)				Source: P607050-01		Prepared: 21-Jul-16 Analyzed: 22-Jul-16				
Gasoline Range Organics (C6-C10)	141	20.0	mg/kg	122	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.159		"	0.160		99.3	50-150			
Matrix Spike Dup (1630010-MSD1)				Source: P607050-01		Prepared: 21-Jul-16 Analyzed: 22-Jul-16				
Gasoline Range Organics (C6-C10)	140	20.0	mg/kg	122	ND	115	70-130	0.928	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.163		"	0.160		102	50-150			

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Amarada Jicarilla #4 Project Number: 07151-0020 Project Manager: Greg Crabtree	Reported: 28-Jul-16 16:06
--	--	------------------------------

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1630011 - DRO Extraction EPA 3550M										
Blank (1630011-BLK1)				Prepared: 21-Jul-16 Analyzed: 25-Jul-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	45.3		"	50.0		90.6	50-200			
LCS (1630011-BS1)				Prepared: 21-Jul-16 Analyzed: 25-Jul-16						
Diesel Range Organics (C10-C28)	399	25.0	mg/kg	500		79.8	38-132			
Surrogate: n-Nonane	40.5		"	50.0		81.0	50-200			
Matrix Spike (1630011-MS1)				Source: P607050-01 Prepared: 21-Jul-16 Analyzed: 25-Jul-16						
Diesel Range Organics (C10-C28)	1070	25.0	mg/kg	500	685	76.4	38-132			
Surrogate: n-Nonane	44.7		"	50.0		89.4	50-200			
Matrix Spike Dup (1630011-MSD1)				Source: P607050-01 Prepared: 21-Jul-16 Analyzed: 25-Jul-16						
Diesel Range Organics (C10-C28)	1050	25.0	mg/kg	500	685	72.1	38-132	2.01	20	
Surrogate: n-Nonane	44.5		"	50.0		89.1	50-200			

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Crown Quest Operating
PO 2221
Farmington NM, 87499

Project Name: Amarada Jicarilla #4
Project Number: 07151-0020
Project Manager: Greg Crabtree

Reported:
28-Jul-16 16:06

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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[illegible]

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____		Container Type: g - glass, p - poly/plastic, ag - amber glass
**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.		
<input checked="" type="checkbox"/> Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing info:



COMMERCIAL LANDFARM TICKET

Ticket No.

T-N-T Environmental, Inc.

#70 CR 405 • Lindrith, NM 87029

09267

Date: 7-22-16 Customer: CR OANQUEST
~~Rodriguez~~Well Name & Number: Amarada Jic #4Customer Rep: Jeremy Charge Code: _____Trucking Co.: BB VAC Driver (print): Mariano Campello Phone #: 505-986-5581Truck No.: BB #3 Delivery Ticket No.: 3241

Once material is loaded it is your responsibility to secure your load.

By signing, you are releasing T-n-T Environmental Inc., its owners and its employees of any and all liabilities.

ITEM NO.	PAINT FILTER TEST RATIO	CHLORIDE RESULTS	CELL	TRASH CHARGE	Impacted Soil		Tank Bottoms		Drilling Fluid		Comments	Driver Signature
					YRDS	BBLS	YRDS	BBLS	YRDS	BBLS		
1	1-1	120	2		10							M. Gab
2												
3												
4												
5												
6												
7												
8												

MATERIAL

B = Backfill

T = Topsoil

S = Sandrock

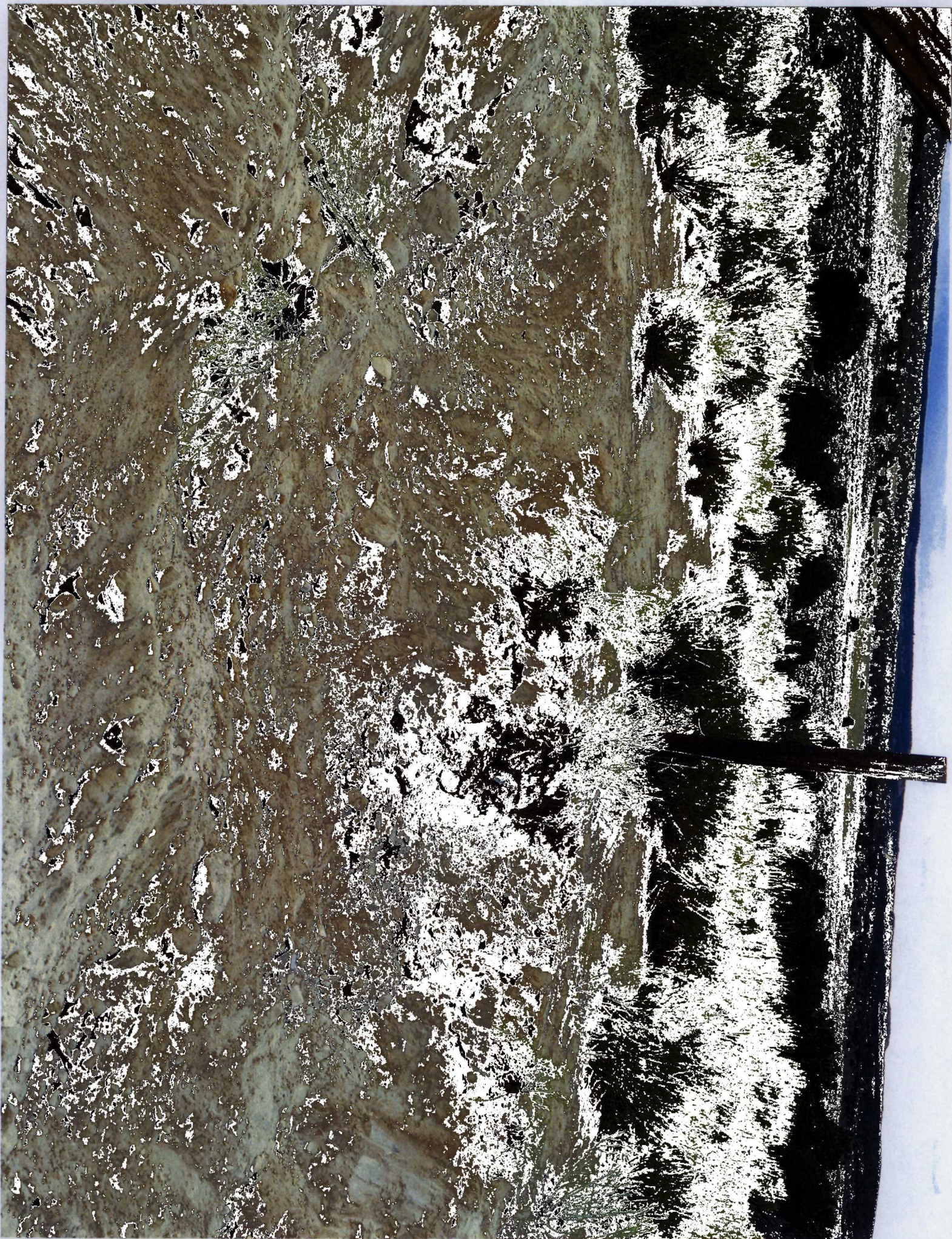
G = Gravel

ITEM NO.	DRIVER'S SIGNATURE	TYPE	YRDS	ITEM NO.	DRIVER'S SIGNATURE	TYPE	YRDS
1				8			
2				9			
3				10			
4				11			
5				12			
6				13			
7				14			

REPROGRAPHICS 031310T

Date: 7/22/16 T-N-T Attendant: Vicente Enyue

COPIES: WHITE — Landfarm YELLOW — Customer PINK — Transporter GOLD — Landfarm



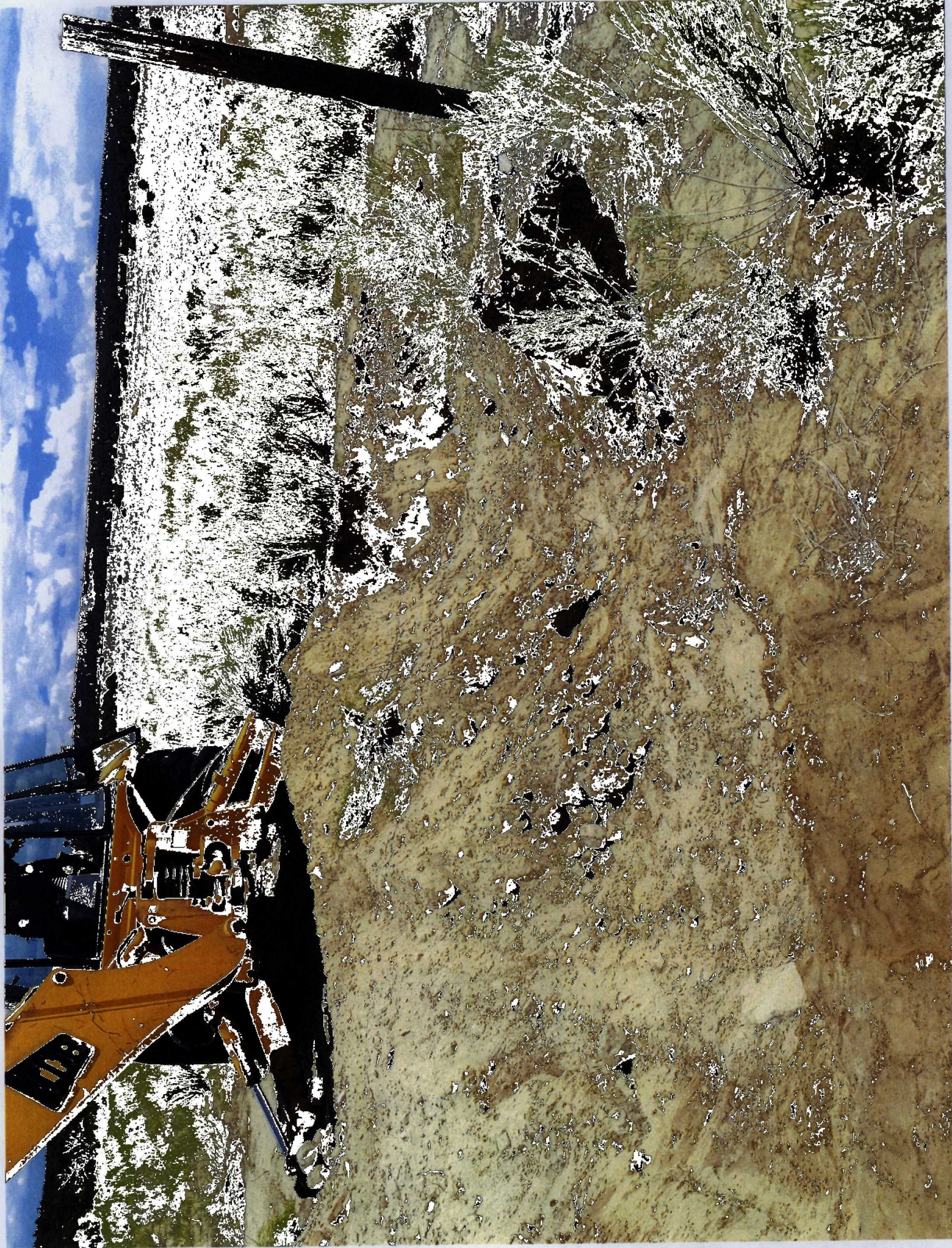


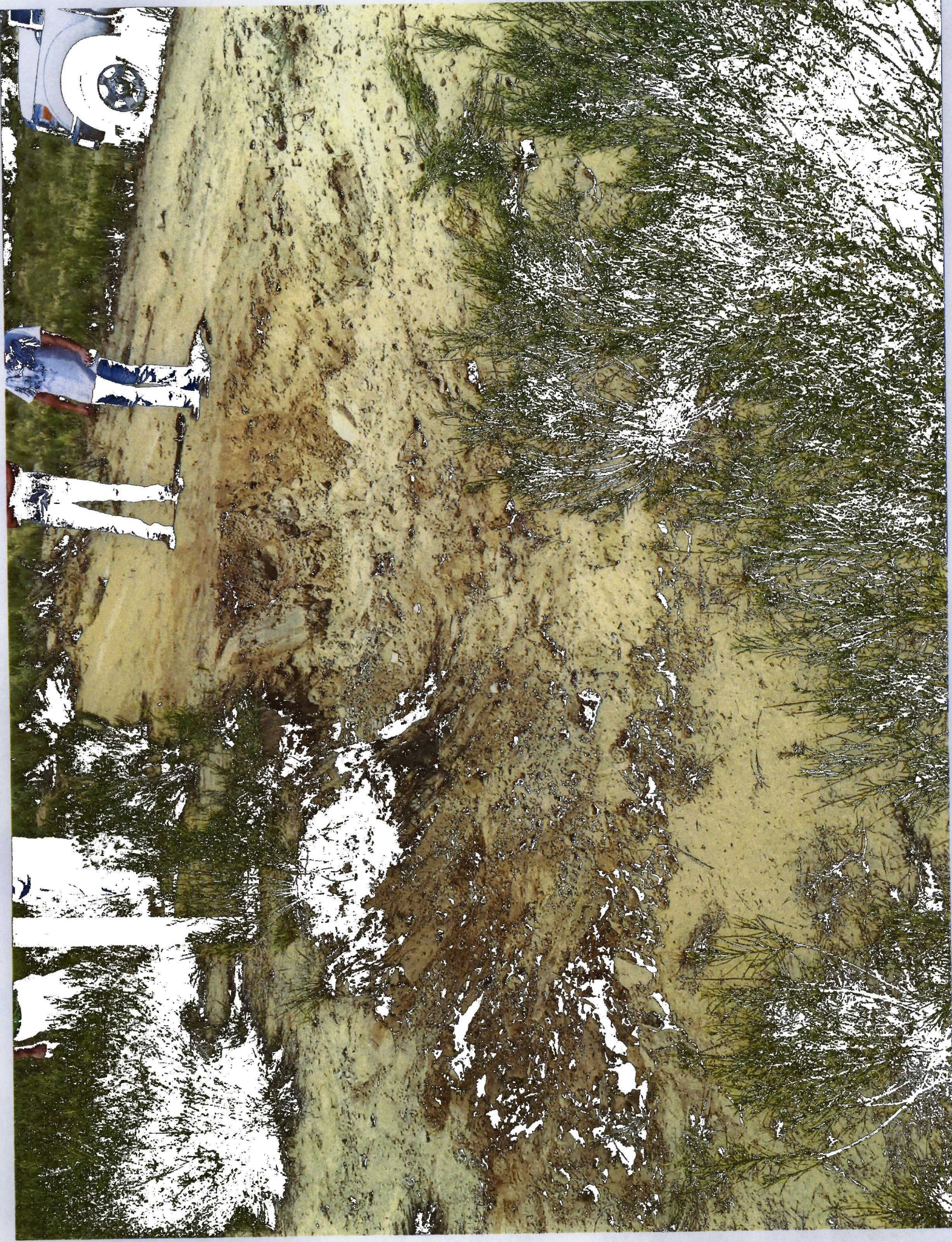


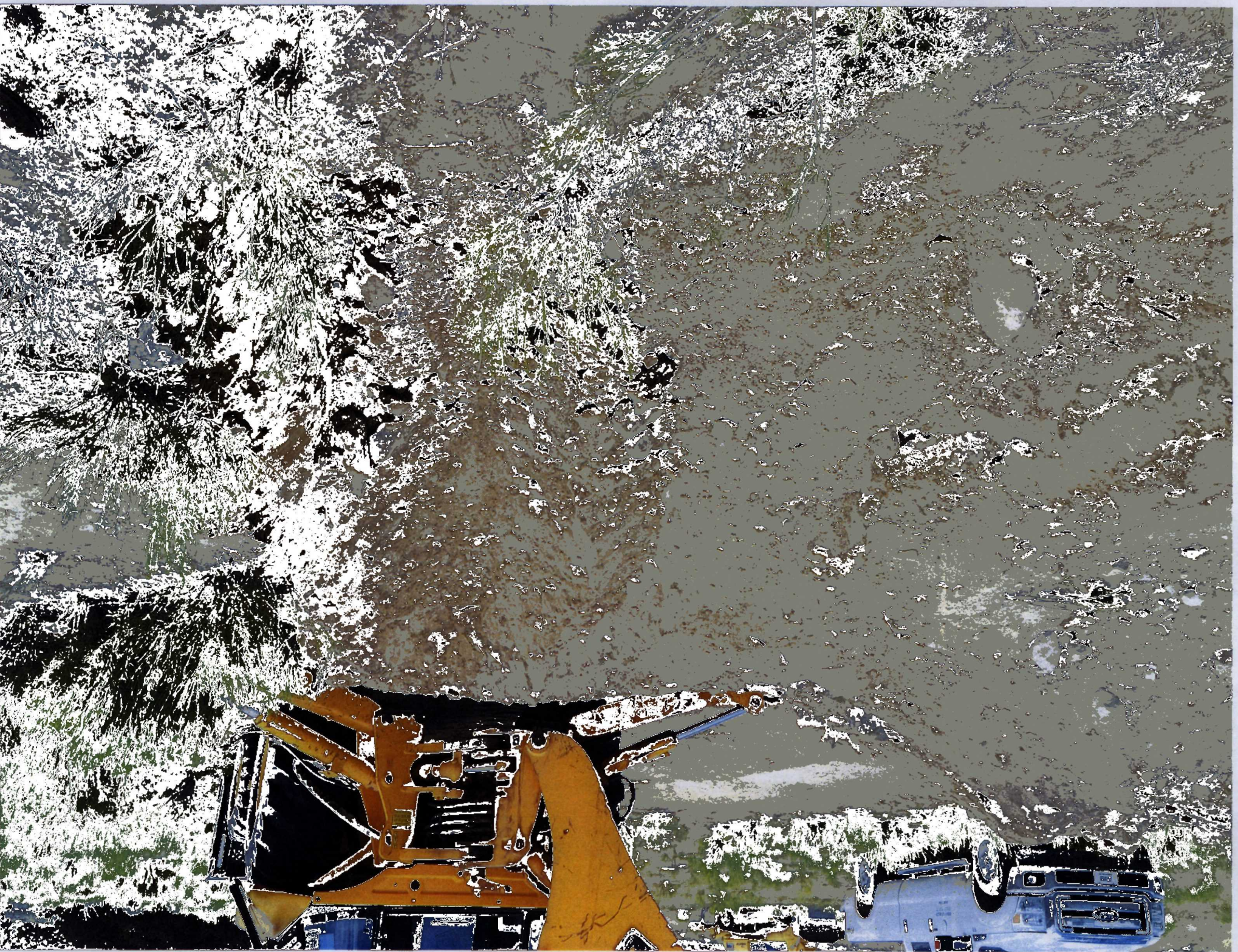




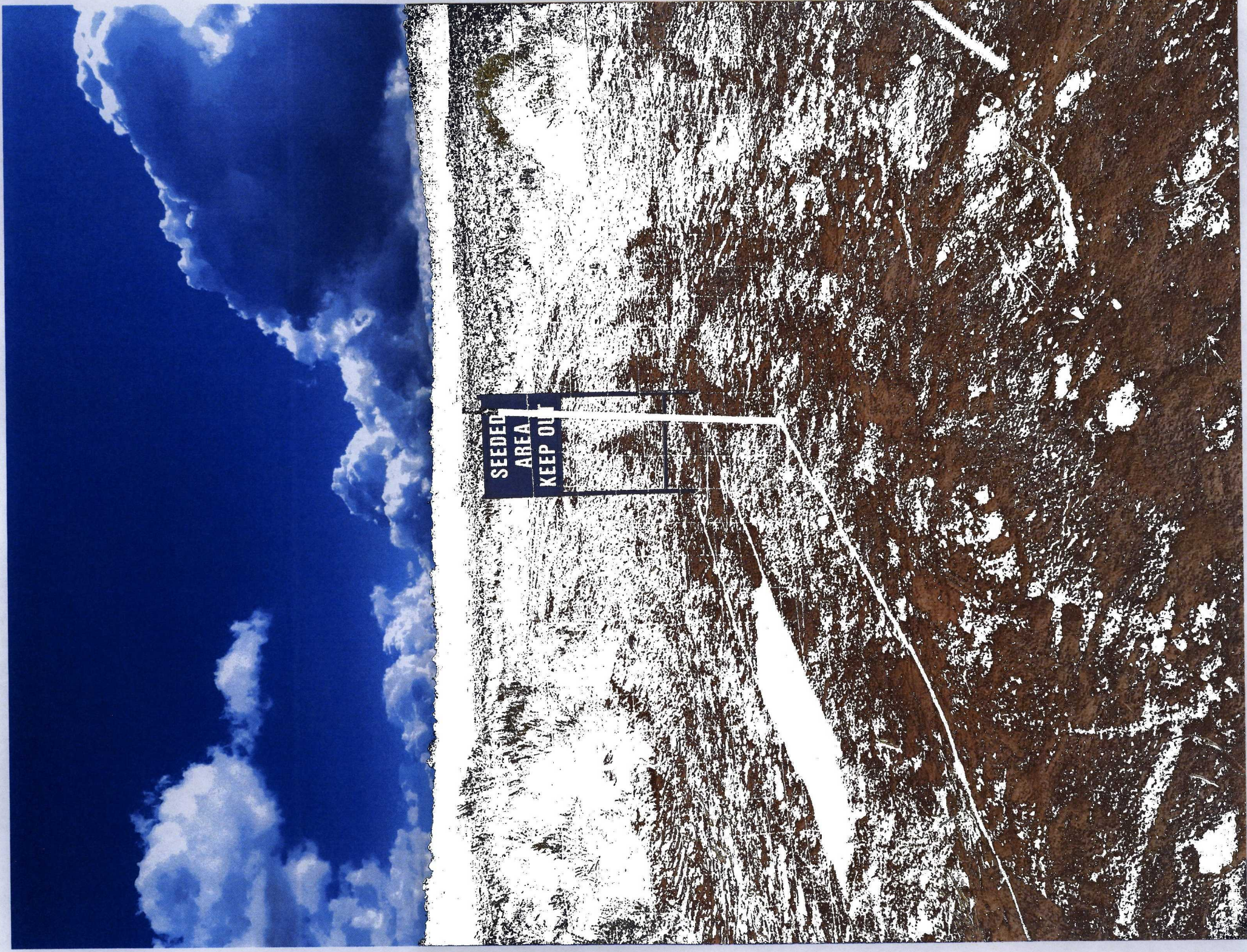


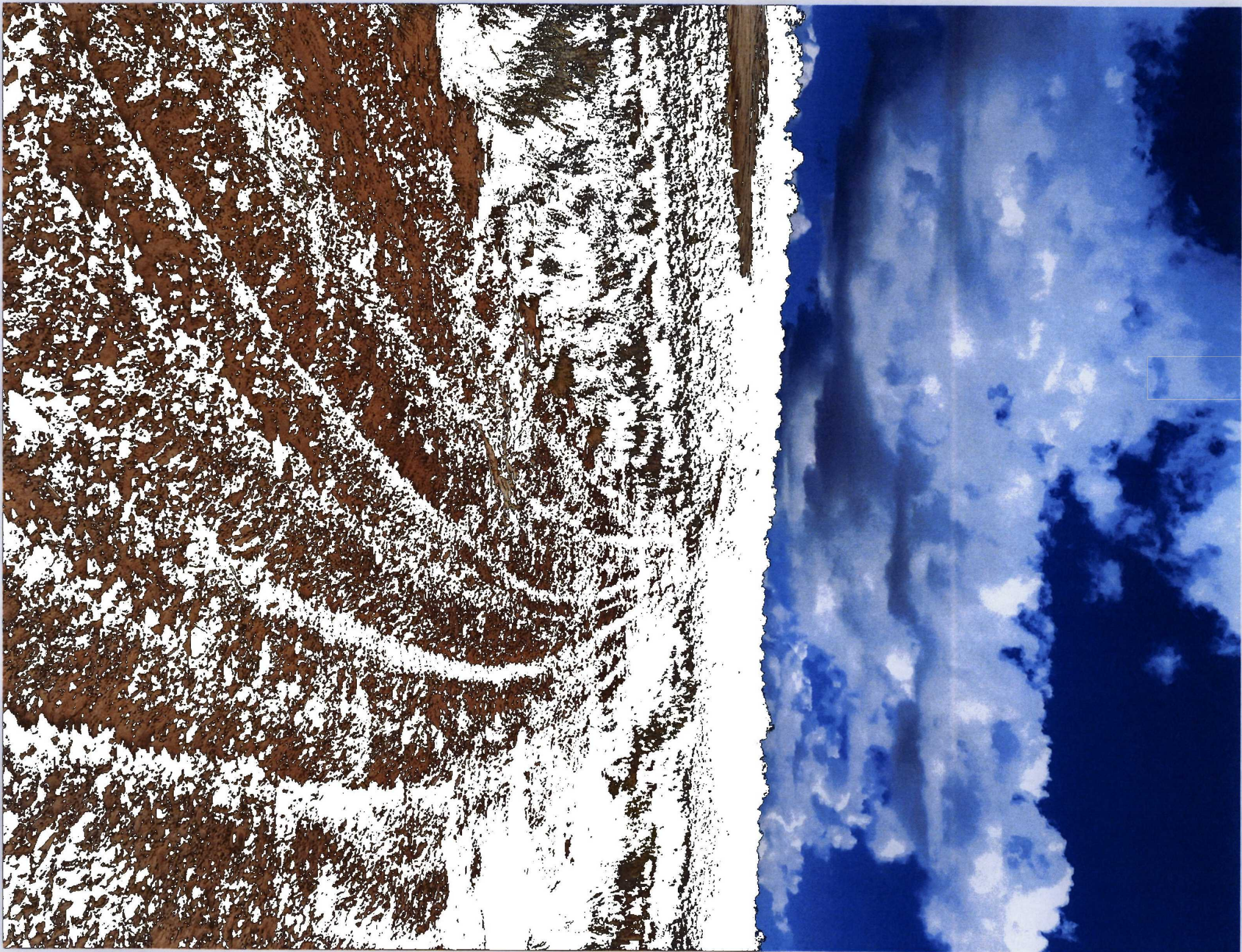






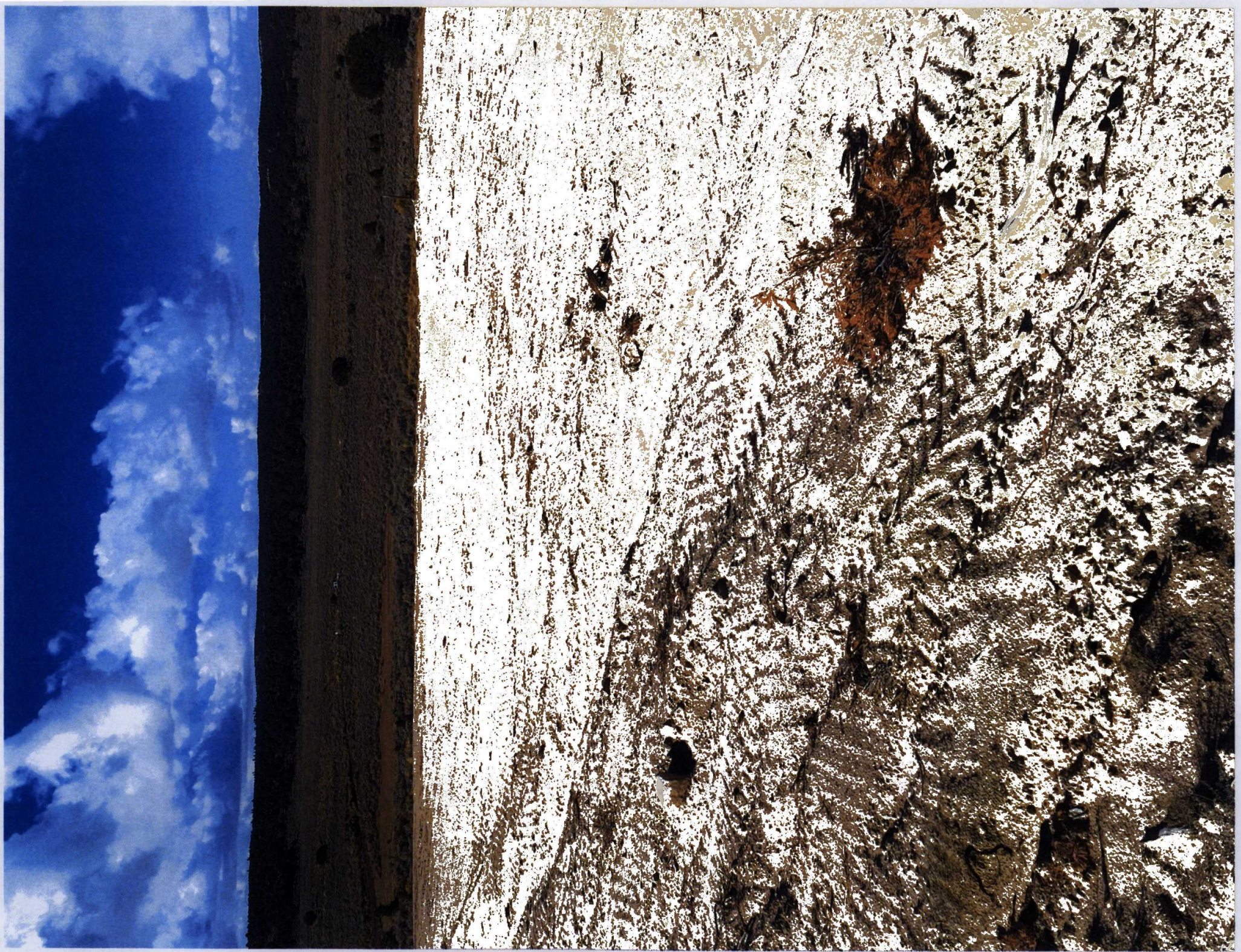












Jeremy Divine

From: Trey Tixier
Sent: Thursday, October 06, 2016 4:15 PM
To: Jeremy Divine
Subject: FW: Roddy Production Amerada Jicarilla #4

-----Original Message-----

From: Jeremy Divine
Sent: Monday, August 08, 2016 4:50 PM
To: Trey Tixier <ttixier@crownquest.com>
Subject: FW: Roddy Production Amerada Jicarilla #4

-----Original Message-----

From: Hobson Sandoval [mailto:hsandoval_99@yahoo.com]
Sent: Monday, August 08, 2016 3:19 PM
To: Jeremy Divine <jdivine@crownquest.com>
Cc: jsaonsandoval@jicarillaoga.com; cltlecube@yahoo.com; orsonharrision@jicarillaoga.com
Subject: Re: Roddy Production Amerada Jicarilla #4

Since you have done a good job cleaning up Amerada Jicarilla #4, I don't see why you can't proceed on the reclamation, so go ahead with the reclamation. Jason Sandoval should be back to work tomorrow. We can check with you.

On Mon, 8/8/16, Jeremy Divine <jdivine@crownquest.com> wrote:

Subject: Roddy Production Amerada Jicarilla #4
To: "Hobson Sandoval" <hsandoval_99@yahoo.com>
Date: Monday, August 8, 2016, 6:59 AM

Morning Hobson,

Just wanted to check and see if we were approved to start reclamation of the Amerada Jicarilla #4? Alfred was on location last Thursday with Trey to inspect. Let me know if you have any questions or need any more information.

Thanks

Jeremy Divine
Cell. 432 557 6778
Jdivine@crownquest.com

Jeremy Divine

From: Jeremy Divine
Sent: Tuesday, July 26, 2016 7:40 PM
To: 'Guillermo'
Cc: Trey Tixier; Reuben Perea; Jason Sandoval; alfredvigil@jicarillaoga.com; Bryce Hammond, BLM Supervisor
Subject: RE: Chacon Jicarilla Apache D#1 Reclamation Plan
Attachments: Chacon Jicarilla Apache D#1 Soil sampling pictures.pdf; Chacon Jicarilla Apache D#1 C-138 Non Exempt.pdf; Chacon Jicarilla Apache D#1 Non Exempt Soil Analysis TCLP Metals.PDF; Chacon Jicarilla Apache D#1 Amerada Jicarilla #4 Envirotech Field Analysis and Report.pdf; Amerada Jicarilla #4 Soil sampling pictures.pdf; Chacon Jicarilla Apache D#1 Subsequent Sundry notice P&A.pdf; Chacon Jicarilla Apache D#1 BGT Closure Plan.docx; Chacon Jicarilla Apache D#1 Approve Notice of Intent Reclamation Sundry.pdf; Amerada Jicarilla #4 Approved Reclamation Plan.pdf

Guillermo,

Thank you for the list of contacts and going forward I will use this distribution list for communication. Just to get everyone up to speed on where we are on the projects I have attached pictures of the soil sampling on the Chacon Jicarilla Apache D#1 and Amerada Jicarilla #4, field reports and analysis, sundry notices and closure plans. Right now we are waiting on lab results from Envirotech to confirm soil analysis are below regulatory levels and should receive them on Wednesday the 27th. If they are below limits we will notify the Jicarilla Apache Nation by certified mail of our intent to close the BGT and commence with the reclamation. If anyone would like to meet on location to discuss or look at what we have done so far I would be more happy to do that.

The Amerada Jicarilla #4 is a legacy well we are also going to start the reclamation process on. I have attached the reclamation plan that was approved by the BLM. We had visible contamination on the west side of the dry hole marker that was removed and took composite samples to the lab on 7/21/16. On July 7th we met with Hobson Sandoval and Envirotech to discuss soil sampling procedures and the proper criteria/contamination levels for both the CJA D#1 and Amerada #4. Please let me know if you have any questions or if you need any more information.

Thanks

Jeremy Divine
Cell. 432 557 6778
jdivine@crowquest.com
4001 N. Butler, Building 7101
Farmington, NM 87499

CrownQuest Operating

Roddy Production Co.

From: Guillermo [<mailto:guillermo.deherrera@jicarillaoga.com>]
Sent: Tuesday, July 26, 2016 3:49 PM
To: Jeremy Divine <jdivine@crowquest.com>
Cc: Trey Tixier <ttixier@crowquest.com>; Reuben Perea <reubenperea@jicarillaoga.com>; Jason Sandoval <jasonsandoval@jicarillaoga.com>; alfredvigil@jicarillaoga.com; Bryce Hammond, BLM Supervisor <brycehammond@jicarillaoga.com>
Subject: RE: Chacon Jicarilla Apache D#1 Reclamation Plan

Jeremy, thanks, for the Reclamation Plan. No my guys did not give it to me. I guess I haven't given them enough training. Please copy me on all your e-mails to our staff.

In addition, we're trying out a new system where one of our JOGA staff will be responsible at all times for coordinating all activities on a P&A well site. After BLM approves the Reclamation Plan and Plug and Abandon (P&A), the BLM inspectors inspect the P&A process (in this case it was Reuben Perea). Then a different staff (in this case it will be Alfred Vigil) will coordinate all activities until the Operator is ready to start the dirt moving portion of the Reclamation Plan (in this case Jason Sandoval).

So please coordinate with Alfred Vigil until you are ready to start the dirt moving process of Reclamation. He is copied here and will give you a call. Please Cc all of us in any e-mail communications.

Thanks,
Guillermo DeHerrera,

Director of Jicarilla Oil and Gas Administration
Jicarilla Apache Nation
P.O. Box 146, #6 Dulce Rock Drive
Dulce, NM 87528
(O) 575.759.3485 x230; (M) 575.419.0311 (note new mobile number)
www.jicarillaoga.com ; guillermo.deherrera@jicarillaoga.com

From: Jeremy Divine [<mailto:jdivine@crownquest.com>]
Sent: Thursday, July 21, 2016 10:31 AM
To: Guillermo
Cc: Trey Tixier
Subject: Chacon Jicarilla Apache D#1 Reclamation Plan

Guillermo,

Here is the approved reclamation plan in case you haven't seen it. We did a site visit before the P&A with Bob Switzer and Jason Sandoval. Right now the P&A has been complete and we are in the soil testing phase of the reclamation. Let me know if you have any questions.

Thanks

Jeremy Divine
Cell. 432 557 6778
jdivine@crownquest.com
4001 N. Butler, Building 7101
Farmington, NM 87499

CrownQuest Operating
Roddy Production Co.

Jeremy Divine

From: Jeremy Divine
Sent: Monday, August 01, 2016 1:22 PM
To: Guillermo (guillermo.deherrera@jicarillaoga.com); Jason Sandoval; 'Sandoval, Kurt'; Reuben Perea; alfredvigil@jicarillaoga.com; Bryce Hammond, BLM Supervisor; 'Hobson Sandoval'; 'rswitzer@blm.gov'; Smith, Cory, EMNRD
Cc: Trey Tixier; 'Isaac Garcia'; Felipe Aragon
Subject: Roddy Production Chacon Jicarilla Apache D#1 and Amerada Jicarilla #1 Soil Analysis Results
Attachments: P607057A.PDF; P607056 FINAL 01 Aug 16 0835.pdf

All,

Here are the test results from the Chacon Jicarilla Apache D#1 and Amerada Jicarilla #4 (legacy well). The Amerada Jicarilla #4 is below 1000 ppm and is ready to reclaim if approved. On the Chacon Jicarilla Apache D#1 we still have high TPH levels around the P&A marker area that will need to be dug out. Right now we are scheduled to continue digging on Wednesday the Aug. 3rd. There are several issues that we will need to address on the other results. The diesel and gasoline organics levels were below 100 ppm on the pump jack pad and slightly over 100 ppm on the oil tank but the oil organics were above 100 ppm on all. In the past oil organics were not included but now they considered on a case by case project. Please advise on what standard Roddy Production will need to follow.

Jeremy Divine
Cell. 432 557 6778
jdivine@crowquest.com
4001 N. Butler, Building 7101
Farmington, NM 87499

CrownQuest Operating

Roddy Production Co.

Jeremy Divine

From: Hobson Sandoval <hsandoval_99@yahoo.com>
Sent: Monday, August 08, 2016 3:27 PM
To: Jeremy Divine
Cc: cltecube@yahoo.com; jasonsandoval@jicarillaoga.com; orsonharrison@jicarillaoga.com; guillermo.deherrera@icarillaoga.com
Subject: Re: Roddy Production Amerada Jicarilla #4

I did not see the site last Thursday, but Alfred Vigil Jr. was there on August 4, 2016. He reported that the site "looks good..just nneed some spoil to be scooped out and another dirt pile to haul away." Therefore, now that the remediation is done, go ahead and proceed with the reclamation.

On Mon, 8/8/16, Jeremy Divine <jdivine@crownquest.com> wrote:

Subject: Roddy Production Amerada Jicarilla #4
To: "Hobson Sandoval" <hsandoval_99@yahoo.com>
Date: Monday, August 8, 2016, 6:59 AM

Morning Hobson,

Just wanted to check and see if we were approved to start reclamation of the Amerada Jicarilla #4? Alfred was on location last Thursday with Trey to inspect. Let me know if you have any questions or need any more information.

Thanks

Jeremy Divine
Cell. 432 557 6778
Jdivine@crownquest.com

4001 N. Butler, Building
7101
Farmington, NM 87499
CrownQuest
Operating
Roddy Production
Co.

Jeremy Divine

From: Jeremy Divine
Sent: Friday, August 26, 2016 2:16 PM
To: Guillermo (guillermo.deherrera@jicarillaoga.com); jasonsandoval@jicarillaoga.com; alfredvigil@jicarillaoga.com; 'rswitzer@blm.gov'; Reuben Perea; Bryce Hammond, BLM Supervisor; 'Sandoval, Kurt'; 'Hobson Sandoval'; Annette Torivio (annettetorivio@jicarillaoga.com)
Cc: Trey Tixier
Subject: Roddy Production 48 hour notice to start seeding operations

All,

Roddy Production will start seeding operations on the following locations starting next week. Below is the seed mix and volume to be used. Please let Trey Tixier or I know if you have any questions.

Amerada Jicarilla #2 30-039-22448, Contract #167
Amerada Jicarilla #4 30-039-22585, Contract #167
Chacon Jicarilla Apache D#1 30-043-20144, Contract #413
Chacon Jicarilla Apache D#110 30-043-20433, Contract #55A

The seed mixture and application rates for the Jicarilla Apache Nation (south reservation blend <12" Precip) Vegetative Community will be as follows:

Species	Variety	Pound/Acre (PLS)
Blue Grama	Hachita	.6
Galleta	Viva	.8
Indian Rice Grass	Paloma or Nezpar	1.1
Western Wheatgrass	Arriba or Barton	3.2
Pubescent Wheatgrass	Luna	2.1
Crested Wheatgrass	Ephraim or Hycrest	1.5
Blue Flax	Appar	.3
Palmar Penstemon	Cedar	1.0
	Total:	10.6

Jeremy Divine
Cell. 432 557 6778
jdivine@crownquest.com
4001 N. Butler, Building 7101
Farmington, NM 87499

CrownQuest Operating

Roddy Production Co.

Jeremy Divine

From: Jeremy Divine
Sent: Monday, August 08, 2016 4:02 PM
To: Guillermo (guillermo.deherrera@jicarillaoga.com); jasonsandoval@jicarillaoga.com; alfredvigil@jicarillaoga.com; 'Hobson Sandoval'; Reuben Perea; Bryce Hammond, BLM Supervisor; 'Sandoval, Kurt'; 'rswitzer@blm.gov'
Cc: Trey Tixier
Subject: 48 hour notification to start reclamation of Roddy Production Amerada Jicarilla #4 30-039-22585

All,

Wanted to notify everyone that we will start reclamation work on the Amerada Jicarilla #4 on Thursday August 11th.

Thanks

Jeremy Divine
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