

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NCS1926728108
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Advanced Wireless Communications, LLC	OGRID 371710
Contact Name Krysten Moore	Contact Telephone 505-486-0045
Contact email krysten@advancedwirelessllc.com	Incident # (assigned by OCD)
Contact mailing address 5500 Rail Rd, Farmington, NM 87402	NCS1926728108

Location of Release Source

Latitude 36.8087578 Longitude -108.1155243
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Floyd #8	Site Type
Date Release Discovered 6/5/19	API# (if applicable) 30-045-30808

Unit Letter	Section	Township	Range	County
P	17	30N	12W	San Juan

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) est. 2 bbls	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Unknown
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Stuffing box packing leak.

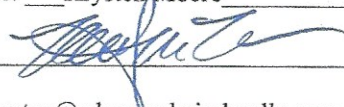
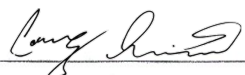
State of New Mexico
Oil Conservation Division

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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes X <input type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<p>X <input checked="" type="checkbox"/> The source of the release has been stopped.</p> <p>X <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p>X <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p>	
<p>If all the actions described above have <u>not</u> been undertaken, explain why: There were no free liquids.</p>	
<p>Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.</p>	
<p>I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.</p>	
<p>Printed Name: <u>Krysten Moore</u></p> <p>Signature: </p> <p>email: <u>krysten@advancedwirelessllc.com</u></p>	<p>Title: Member _____</p> <p>Date: <u>6/14/19</u></p> <p>Telephone: <u>505-486-0045</u></p>
<p>OCD Only</p> <p>Received by:  Date: <u>9/9/19</u></p>	

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	75 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☐ Depth to water determination *not found. estimated*
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs *N/A*
- ☐ Photographs including date and GIS information *?*
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Printed Name: Krysten Moore Title: member

Signature:  Date: 7/26/19

email: Krysten@advancedwirelessllc.com Telephone: 505-486-0045

OCD Only

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated *N/A per soil samples*
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) *already done*

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Krysten Moore Title: MemberSignature:  Date: 6/14/19email: krysten@advancedwirelessllc.com Telephone: 505-486-0045**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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N/A
- no pit closure
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kristen Moore Title: member
 Signature: [Signature] Date: 7/26/19
 email: kristen@adventurewinestore.com Telephone: 505-486-0045

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: [Signature] Date: 9/24/19
 Printed Name: Cory Title: Environmental Specialist

Floyd 8

Write a description for your map.

4/2/10



36.8087578, -108.1155243

Ruler

Line

Path

Polygon

Circle

3D path

3D polygon

Measure the distance between two points on the ground

Map Length:

3,669.83

Feet

Ground Length:

3,675.23

Heading:

122.94 degrees

☒ Mouse Navigation

Save

Clear

Farmington Lake

Ruler

Line Path Polygon Circle 3D path 3D polygon

Measure the distance between two points on the ground

Map Length: 516.63 Feet

Ground Length: 517.89

Heading: 219.53 degrees

☒ Mouse Navigation

Save

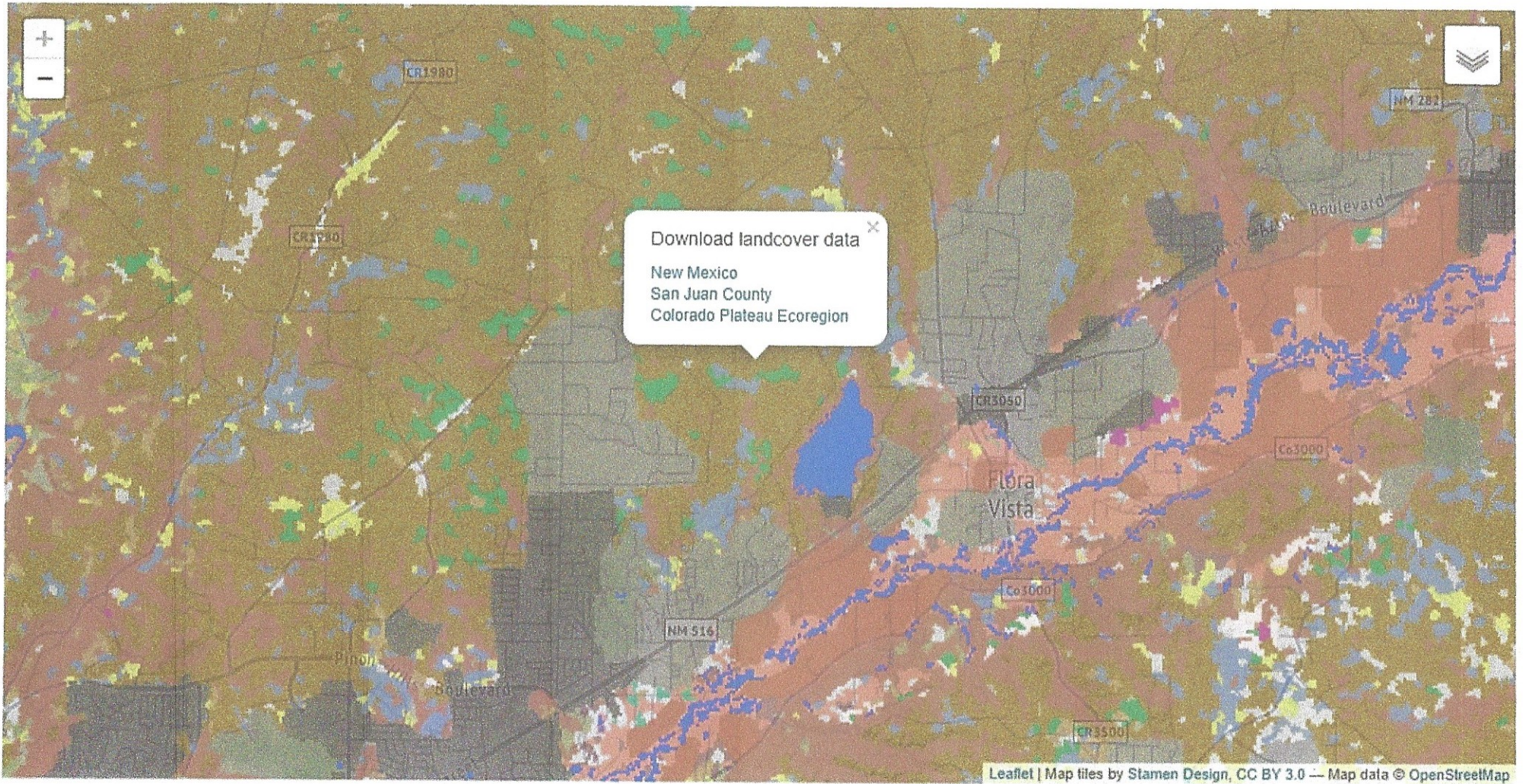
Clear

36.8087578,-108.1155243

Upper
Range

Floyds

Wyper Arroyo



- Juniperus monosperma / Agave lechuguilla Woodland (CEGL000703)
- Juniperus monosperma / Andropogon hallii Woodland (CEGL000704)
- Juniperus monosperma / Artemisia bigelovii Woodland (CEGL000705)
- Juniperus monosperma / Artemisia tridentata Woodland (CEGL000706)
- Juniperus monosperma / Atriplex confertifolia / Achnatherum hymenoides Woodland (CEGL000707)
- Juniperus monosperma / Bouteloua curtipendula Woodland (CEGL000708)
- Juniperus monosperma / Bouteloua eriopoda Woodland (CEGL000709)
- Juniperus monosperma / Bouteloua gracilis Woodland (CEGL000710)
- Juniperus monosperma / Bouteloua hirsuta Woodland (CEGL000711)
- Juniperus monosperma / Cercocarpus montanus - Ribes cereum Woodland (CEGL000714)
- Juniperus monosperma / Cercocarpus montanus Woodland (CEGL000713)
- Juniperus monosperma / Ericameria nauseosa - Fallugia paradoxa Woodland (CEGL000715)
- Juniperus monosperma / Fallugia paradoxa / Xanthoparmelia neoconspersa Woodland (CEGL000716)
- Juniperus monosperma / Hesperostipa neomexicana Woodland (CEGL000722)
- Juniperus monosperma / Krascheninnikovia lanata Woodland (CEGL000712)
- Juniperus monosperma / Nolina microcarpa - Agave lechuguilla Woodland (CEGL000718)
- Juniperus monosperma / Quercus turbinella Woodland (CEGL000720)
- Juniperus monosperma / Quercus X pauciloba Woodland (CEGL000721)
- PINUS EDULIS - (JUNIPERUS SPP.) WOODLAND ALLIANCE (A.516)
- Pinus edulis - (Juniperus monosperma) / Bouteloua gracilis Woodland (CEGL002151)
- Pinus edulis - (Juniperus monosperma, Juniperus osteosperma) / Hesperostipa comata Woodland (CEGL000797)
- Pinus edulis - Juniperus scopulorum Woodland [Provisional] (CEGL002907)
- Pinus edulis - Juniperus spp. / Artemisia tridentata Woodland (CEGL000776)
- Pinus edulis - Juniperus spp. / Cercocarpus montanus Woodland (CEGL000780)
- Pinus edulis - Juniperus spp. / Quercus gambelii Woodland (CEGL000791)
- Pinus edulis - Quercus arizonica / Rhus trilobata Woodland (CEGL000790)
- Pinus edulis / Achnatherum nelsonii ssp. dorei Woodland (CEGL000796)
- Pinus edulis / Achnatherum scribneri Woodland (CEGL000798)
- Pinus edulis / Andropogon hallii Woodland (CEGL000774)
- Pinus edulis / Arctostaphylos pungens Woodland (CEGL000775)
- Pinus edulis / Bouteloua curtipendula Woodland (CEGL000777)
- Pinus edulis / Cercocarpus ledifolius Woodland [Provisional] (CEGL002940)
- Pinus edulis / Festuca arizonica Woodland (CEGL000783)
- Pinus edulis / Leymus ambiguus Woodland (CEGL002908)
- Pinus edulis / Muhlenbergia dubia Woodland (CEGL000784)
- Pinus edulis / Muhlenbergia pauciflora Woodland (CEGL000785)
- Pinus edulis / Nolina microcarpa Woodland (CEGL000786)
- Pinus edulis / Poa fendleriana Woodland (CEGL000787)
- Pinus edulis / Pseudoroegneria spicata Woodland (CEGL000788)
- Pinus edulis / Purshia tridentata Woodland (CEGL000789)
- Pinus edulis / Quercus X pauciloba Woodland (CEGL000793)
- Pinus edulis / Rockland Woodland (CEGL000794)
- PINUS EDULIS FOREST ALLIANCE (A.135)
- Pinus edulis / Sparse Understory Forest (CEGL000795)

SOURCES

References: Alexander 1981, Barbour and Billings 1988, Blackburn and Tueller 1970, Bradley et al. 1992, Commons et al. 1999, Dwyer and Pieper 1967, Eager 1999, Erdman 1962, Hess and Wasser 1982, Ladyman and Muldavin 1996, Lindauer et al. 1982, Mehl 1992, Muldavin et al. 1992, Muldavin et al. 1996, Neely et al. 2001, Powell 1988b, West 1999, West 1999b, West and Van Pelt 1987, West and Young 2000, Young and Evans 1981

Last updated: 20 Feb 2003

Concept Author: NatureServe Western Ecology Team

Stakeholders: WCS

LeadResp: WCS

S039 COLORADO PLATEAU PINYON-JUNIPER WOODLAND

Division 304, Forest and Woodland, CES304.767

Spatial Scale & Pattern: Matrix

Classification Confidence: medium

Required Classifiers: Natural/Semi-natural, Vegetated (>10% vasc.), Upland

Diagnostic Classifiers: Montane [Lower Montane], Lowland [Foothill], Mesa, Ridge/Summit/Upper Slope, Sedimentary Rock, Temperate [Temperate Xeric], Aridic, Pinus edulis, Juniperus osteosperma

Non-Diagnostic Classifiers: Forest and Woodland (Treed), Foothill(s), Piedmont, Plateau, Sideslope, Alkaline Soil, Long Disturbance Interval, F-Patch/Medium Intensity

Concept Summary: This ecological system occurs on dry mountains and foothills of the Colorado Plateau region from the Western Slope of Colorado to the Wasatch Range, south to the Mogollon Rim and east into the NW corner of New Mexico. It is typically found at lower elevations ranging from 1500-2440 m. These woodlands occur on warm, dry sites on mountain slopes, mesas, plateaus, and ridges. Severe climatic events occurring during the growing season, such as frosts and drought, are thought to limit the distribution of pinyon-juniper woodlands to relatively narrow altitudinal belts on mountainsides. Soils supporting this system vary in texture ranging from stony, cobbly, gravelly sandy loams to clay loam or clay. *Pinus edulis* and/or *Juniperus osteosperma* dominate the tree canopy. In the southern portion of the Colorado Plateau in northern Arizona and northwestern New Mexico, *Juniperus monosperma* and hybrids of *Juniperus* spp may dominate or codominate tree canopy. *Juniperus scopulorum* may codominate or replace *Juniperus osteosperma* at higher elevations. Understory layers are variable and may be dominated by shrubs, graminoids, or be absent. Associated species include *Arctostaphylos patula*, *Artemisia tridentata*, *Cercocarpus intricatus*, *Cercocarpus montanus*, *Coleogyne ramosissima*, *Purshia stansburiana*, *Purshia tridentata*, *Quercus gambelii*, *Bouteloua gracilis*, *Pleuraphis jamesii*, or *Poa fendleriana*. This system occurs at higher elevations than Great Basin Pinyon-Juniper Woodland (CES304.773) and Colorado Plateau shrubland systems where sympatric.

Floyd
Lease *

DISTRIBUTION

Range: Occurs on dry mountains and foothills of the Colorado Plateau region from the Western Slope of Colorado to the Wasatch Range, south to the Mogollon Rim. It is typically found at lower elevations ranging from 1500-2440 m.

Ecological Divisions: 304, 306

TNC Ecoregions: 18:C, 19:C, 20:?

Subnations/Nations: AZ:c, CO:c, NM:c, UT:c

CONCEPT

Alliances and Associations:

- JUNIPERUS MONOSPERMA WOODLAND ALLIANCE (A.504)
 - Juniperus monosperma - Rhus trilobata / Schizachyrium scoparium Woodland (CEGL002121)
 - Juniperus monosperma / Agave lechuguilla Woodland (CEGL000703)
 - Juniperus monosperma / Andropogon hallii Woodland (CEGL000704)
 - Juniperus monosperma / Artemisia bigelovii Woodland (CEGL000705)
 - Juniperus monosperma / Artemisia tridentata Woodland (CEGL000706)
 - Juniperus monosperma / Atriplex confertifolia / Achnatherum hymenoides Woodland (CEGL000707)
 - Juniperus monosperma / Bouteloua curtipendula Woodland (CEGL000708)
 - Juniperus monosperma / Bouteloua eriopoda Woodland (CEGL000709)
 - Juniperus monosperma / Bouteloua gracilis Woodland (CEGL000710)
 - Juniperus monosperma / Bouteloua hirsuta Woodland (CEGL000711)
 - Juniperus monosperma / Cercocarpus montanus - Ribes cereum Woodland (CEGL000714)
 - Juniperus monosperma / Cercocarpus montanus Woodland (CEGL000713)
 - Juniperus monosperma / Ericameria nauseosa - Fallugia paradoxa Woodland (CEGL000715)
 - Juniperus monosperma / Fallugia paradoxa / Xanthoparmelia neoconspersa Woodland (CEGL000716)
 - Juniperus monosperma / Hesperostipa neomexicana Woodland (CEGL000722)
 - Juniperus monosperma / Krascheninnikovia lanata Woodland (CEGL000712)
 - Juniperus monosperma / Nolina microcarpa - Agave lechuguilla Woodland (CEGL000718)
 - Juniperus monosperma / Quercus turbinella Woodland (CEGL000720)
 - Juniperus monosperma / Quercus X pauciloba Woodland (CEGL000721)
- JUNIPERUS MONOSPERMA WOODED HERBACEOUS ALLIANCE (A.1502)
 - Juniperus osteosperma / Hesperostipa comata Wooded Herbaceous Vegetation (CEGL001489)
 - Juniperus osteosperma / Leymus salinus ssp. salmonis Wooded Herbaceous Vegetation (CEGL001488)
- JUNIPERUS MONOSPERMA WOODED SHRUBLAND ALLIANCE (A.2541)
 - Juniperus osteosperma Wooded Shrubland [Placeholder] (CEGL002964)
- JUNIPERUS MONOSPERMA WOODLAND ALLIANCE (A.536)
 - Juniperus osteosperma - Juniperus monosperma / Sparse Understory Woodland (CEGL000737)
 - Juniperus osteosperma / Artemisia arbuscula Woodland (CEGL002757)
 - Juniperus osteosperma / Artemisia nova / Rock Woodland (CEGL000729)
 - Juniperus osteosperma / Artemisia nova Woodland (CEGL000728)

- Juniperus osteosperma / Artemisia tridentata / Achnatherum hymenoides Woodland (CEGL000731)
- Juniperus osteosperma / Artemisia tridentata Woodland (CEGL000730)
- Juniperus osteosperma / Cercocarpus intricatus Woodland (CEGL000733)
- Juniperus osteosperma / Cercocarpus ledifolius Woodland (CEGL000734)
- Juniperus osteosperma / Cercocarpus montanus Woodland (CEGL000735)
- Juniperus osteosperma / Coleogyne ramosissima Woodland [Provisional] (CEGL002909)
- Juniperus osteosperma / Hesperostipa neomexicana Woodland (CEGL000740)
- Juniperus osteosperma / Pleuraphis mutica Woodland (CEGL000736)
- Juniperus osteosperma / Pseudoroegneria spicata Woodland (CEGL000738)
- Juniperus osteosperma / Sparse Understory Woodland (CEGL000732)
- Juniperus osteosperma / Symphoricarpos oreophilus Woodland (CEGL000741)
- Juniperus osteosperma Woodland (CEGL000727)
- PINUS EDULIS - (JUNIPERUS SPP.) WOODLAND ALLIANCE (A.516)
 - Pinus edulis - (Juniperus monosperma) / Bouteloua gracilis Woodland (CEGL002151)
 - Pinus edulis - (Juniperus monosperma, Juniperus osteosperma) / Hesperostipa comata Woodland (CEGL000797)
 - Pinus edulis - (Juniperus osteosperma) / Bouteloua gracilis Woodland (CEGL000778)
 - Pinus edulis - Juniperus osteosperma / Arctostaphylos patula Woodland (CEGL002939)
 - Pinus edulis - Juniperus osteosperma / Cercocarpus intricatus Woodland (CEGL000779)
 - Pinus edulis - Juniperus osteosperma / Coleogyne ramosissima Woodland (CEGL000781)
 - Pinus edulis - Juniperus osteosperma / Purshia stansburiana Woodland (CEGL000782)
 - Pinus edulis - Juniperus spp. / Artemisia tridentata Woodland (CEGL000776)
 - Pinus edulis - Juniperus spp. / Cercocarpus montanus Woodland (CEGL000780)
 - Pinus edulis - Juniperus spp. / Quercus gambelii Woodland (CEGL000791)
 - Pinus edulis - Quercus arizonica / Rhus trilobata Woodland (CEGL000790)
 - Pinus edulis / Achnatherum nelsonii ssp. dorei Woodland (CEGL000796)
 - Pinus edulis / Achnatherum scribneri Woodland (CEGL000798)
 - Pinus edulis / Andropogon hallii Woodland (CEGL000774)
 - Pinus edulis / Arctostaphylos pungens Woodland (CEGL000775)
 - Pinus edulis / Bouteloua curtipendula Woodland (CEGL000777)
 - Pinus edulis / Festuca arizonica Woodland (CEGL000783)
 - Pinus edulis / Muhlenbergia pauciflora Woodland (CEGL000785)
 - Pinus edulis / Nolina microcarpa Woodland (CEGL000786)
 - Pinus edulis / Poa fendleriana Woodland (CEGL000787)
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 - Pinus edulis / Rockland Woodland (CEGL000794)
- PINUS EDULIS FOREST ALLIANCE (A.135)
 - Pinus edulis / Sparse Understory Forest (CEGL000795)

SOURCES

References: Baker and Kennedy 1985, Stuever and Hayden 1997a, Tuhy et al. 2002, West et al. 1998

Last updated: 20 Feb 2003

Concept Author: NatureServe Western Ecology Team

Stakeholders: WCS

LeadResp: WCS

S040 GREAT BASIN PINYON-JUNIPER WOODLAND

Division 304, Forest and Woodland, CES304.773

Spatial Scale & Pattern: Matrix

Classification Confidence: medium

Required Classifiers: Natural/Semi-natural, Vegetated (>10% vasc.), Upland

Diagnostic Classifiers: Montane [Lower Montane], Lowland [Foothill], Forest and Woodland (Treed), Foothill(s), Piedmont, Plateau, Ridge/Summit/Upper Slope, Aridic, Pinus monophylla, Juniperus osteosperma

Non-Diagnostic Classifiers: Sideslope, Temperate [Temperate Continental], Alkaline Soil, Long Disturbance Interval, F-Patch/Medium Intensity

Concept Summary: This ecological system occurs on dry mountain ranges of the Great Basin region and eastern foothills of the Sierra Nevada. It is typically found at lower elevations ranging from 1600-2600 m. These woodlands occur on warm, dry sites on mountain slopes, mesas, plateaus, and ridges. Severe climatic events occurring during the growing season, such as frosts and drought, are thought to limit the distribution of pinyon-juniper woodlands to relatively narrow altitudinal belts on mountainsides. Woodlands dominated by a mix of *Pinus monophylla* and



New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

Basin/County Search:

Basin: San Juan

Subbasin: Animas River

PLSS Search:

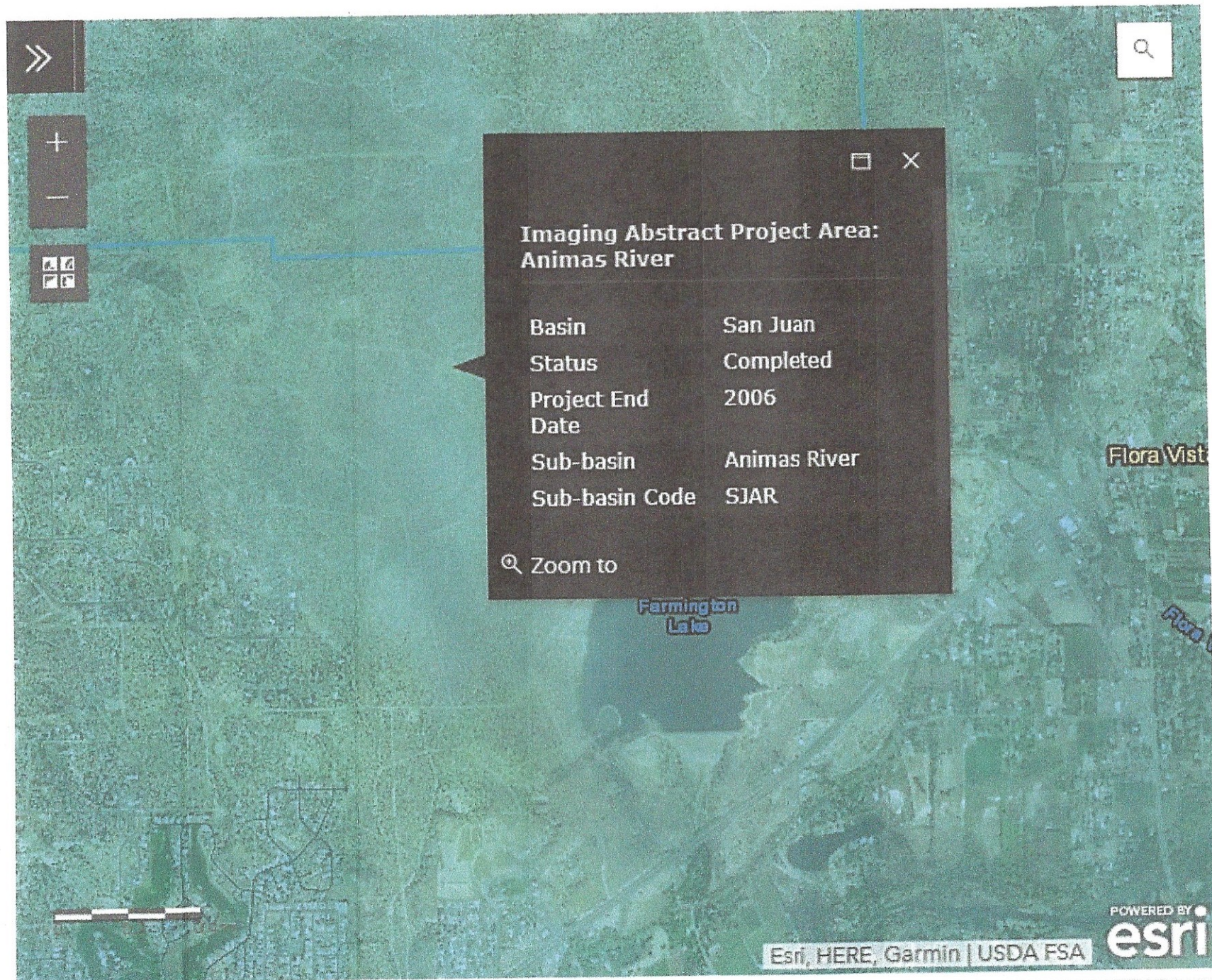
Section(s): 17

Township: 30N

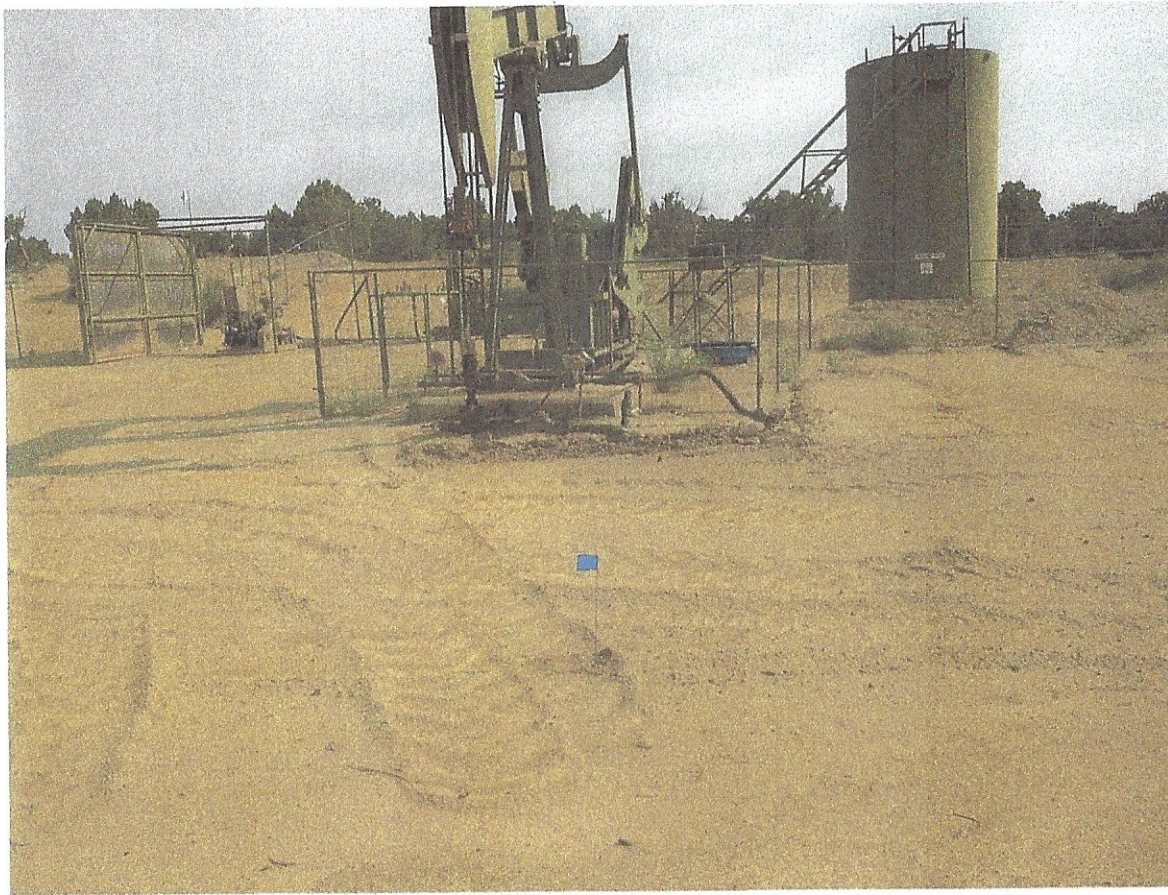
Range: 12W

Depth to water not found for area.
Estimated 75 feet

Water Map - Areas Abstracted in NMWRRS



Sample 1: on pad



Sample 2: off pad



Analytical Report

Report Summary

Client: Advanced Wireless

Samples Received: 7/17/2019

Job Number: [none]

Work Order: P907063

Project Name/Location: Floyd 8

Report Reviewed By:



Date: 7/24/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
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Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Advanced Wireless
5500 Rail Road
Farmington NM, 87402

Project Name: Floyd 8
Project Number:
Project Manager: Krysten Moore

Reported:
07/24/19 11:33

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Floyd 8 On-Pad	P907063-01A	Soil	07/17/19	07/17/19	Glass Jar, 4 oz.
Floyd 8 Off-Pad	P907063-02A	Soil	07/17/19	07/17/19	Glass Jar, 4 oz.

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Advanced Wireless
 5500 Rail Road
 Farmington NM, 87402

 Project Name: Floyd 8
 Project Number:
 Project Manager: Krysten Moore

 Reported:
 07/24/19 11:33

**Floyd 8 On-Pad
 P907063-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		97.3 %		70-130	1929035	07/19/19	07/23/19	EPA 8260B	
Surrogate: Toluene-d8		94.9 %		70-130	1929035	07/19/19	07/23/19	EPA 8260B	
Surrogate: Bromofluorobenzene		95.7 %		70-130	1929035	07/19/19	07/23/19	EPA 8260B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	55.9	50.0	mg/kg	2	1929032	07/19/19	07/19/19	EPA 8015D	
Surrogate: n-Nonane		120 %		50-200	1929032	07/19/19	07/19/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		97.3 %		70-130	1929035	07/19/19	07/23/19	EPA 8015D	
Surrogate: Toluene-d8		94.9 %		70-130	1929035	07/19/19	07/23/19	EPA 8015D	
Surrogate: Bromofluorobenzene		95.7 %		70-130	1929035	07/19/19	07/23/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	327	20.0	mg/kg	1	1929039	07/19/19	07/20/19	EPA 300.0/9056A	

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Advanced Wireless
 5500 Rail Road
 Farmington NM, 87402

 Project Name: Floyd 8
 Project Number:
 Project Manager: Krysten Moore

 Reported:
 07/24/19 11:33

**Floyd 8 Off-Pad
 P907063-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		102 %		70-130	1929035	07/19/19	07/23/19	EPA 8260B	
Surrogate: Toluene-d8		95.2 %		70-130	1929035	07/19/19	07/23/19	EPA 8260B	
Surrogate: Bromofluorobenzene		95.0 %		70-130	1929035	07/19/19	07/23/19	EPA 8260B	
Nonhalogenated Organics by 8015 - DRO/ORO									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1929032	07/19/19	07/19/19	EPA 8015D	
Surrogate: n-Nonane		103 %		50-200	1929032	07/19/19	07/19/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1929035	07/19/19	07/23/19	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		102 %		70-130	1929035	07/19/19	07/23/19	EPA 8015D	
Surrogate: Toluene-d8		95.2 %		70-130	1929035	07/19/19	07/23/19	EPA 8015D	
Surrogate: Bromofluorobenzene		95.0 %		70-130	1929035	07/19/19	07/23/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1929039	07/19/19	07/20/19	EPA 300.0/9056A	

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Advanced Wireless
 5500 Rail Road
 Farmington NM, 87402

 Project Name: Floyd 8
 Project Number:
 Project Manager: Krysten Moore

 Reported:
 07/24/19 11:33

Volatile Organic Compounds by 8260 - 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 1929035 - Purge and Trap EPA 5030A
Blank (1929035-BLK1)

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	0.515		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.465		"	0.500		93.0	70-130			
Surrogate: Bromofluorobenzene	0.472		"	0.500		94.4	70-130			

LCS (1929035-BS1)

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Benzene	2.40	0.0250	mg/kg	2.50		96.0	70-130			
Toluene	2.23	0.0250	"	2.50		89.4	70-130			
Ethylbenzene	2.29	0.0250	"	2.50		91.4	70-130			
p,m-Xylene	4.54	0.0500	"	5.00		90.7	70-130			
o-Xylene	2.24	0.0250	"	2.50		89.8	70-130			
Total Xylenes	6.78	0.0250	"	7.50		90.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		"	0.500		101	70-130			
Surrogate: Toluene-d8	0.478		"	0.500		95.5	70-130			
Surrogate: Bromofluorobenzene	0.490		"	0.500		98.0	70-130			

Matrix Spike (1929035-MS1)

Source: P907052-01

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Benzene	2.43	0.0250	mg/kg	2.50	ND	97.4	48-131			
Toluene	2.23	0.0250	"	2.50	ND	89.1	48-130			
Ethylbenzene	2.28	0.0250	"	2.50	ND	91.2	45-135			
p,m-Xylene	4.53	0.0500	"	5.00	ND	90.6	43-135			
o-Xylene	2.24	0.0250	"	2.50	ND	89.7	43-135			
Total Xylenes	6.77	0.0250	"	7.50	ND	90.3	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.498		"	0.500		99.6	70-130			
Surrogate: Toluene-d8	0.476		"	0.500		95.2	70-130			
Surrogate: Bromofluorobenzene	0.475		"	0.500		94.9	70-130			

Matrix Spike Dup (1929035-MSD1)

Source: P907052-01

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Benzene	2.43	0.0250	mg/kg	2.50	ND	97.4	48-131	0.00	23	
Toluene	2.21	0.0250	"	2.50	ND	88.4	48-130	0.766	24	
Ethylbenzene	2.26	0.0250	"	2.50	ND	90.3	45-135	0.948	27	
p,m-Xylene	4.51	0.0500	"	5.00	ND	90.3	43-135	0.376	27	
o-Xylene	2.24	0.0250	"	2.50	ND	89.5	43-135	0.201	27	
Total Xylenes	6.75	0.0250	"	7.50	ND	90.0	43-135	0.318	27	
Surrogate: 1,2-Dichloroethane-d4	0.516		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.471		"	0.500		94.1	70-130			
Surrogate: Bromofluorobenzene	0.479		"	0.500		95.7	70-130			

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Advanced Wireless
 5500 Rail Road
 Farmington NM, 87402

 Project Name: Floyd 8
 Project Number:
 Project Manager: Krysten Moore

 Reported:
 07/24/19 11:33

Nonhalogenated Organics by 8015 - DRO/ORO - 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 1929032 - DRO Extraction EPA 3570
Blank (1929032-BLK1)

Prepared: 07/19/19 0 Analyzed: 07/19/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	55.7		"	50.0		111	50-200			

LCS (1929032-BS1)

Prepared: 07/19/19 0 Analyzed: 07/19/19 1

Diesel Range Organics (C10-C28)	510	25.0	mg/kg	500		102	36-132			
Surrogate: n-Nonane	50.4		"	50.0		101	50-200			

LCS Dup (1929032-BSD1)

Prepared: 07/19/19 0 Analyzed: 07/19/19 1

Diesel Range Organics (C10-C28)	513	25.0	mg/kg	500		103	36-132	0.501	20	
Surrogate: n-Nonane	50.0		"	50.0		99.9	50-200			

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Advanced Wireless
 5500 Rail Road
 Farmington NM, 87402

 Project Name: Floyd 8
 Project Number:
 Project Manager: Krysten Moore

 Reported:
 07/24/19 11:33

Nonhalogenated Organics by 8015 - GRO - 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 1929035 - Purge and Trap EPA 5030A
Blank (1929035-BLK1)

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.515		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.465		"	0.500		93.0	70-130			
Surrogate: Bromofluorobenzene	0.472		"	0.500		94.4	70-130			

LCS (1929035-BS2)

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Gasoline Range Organics (C6-C10)	46.0	20.0	mg/kg	50.0		92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		"	0.500		103	70-130			
Surrogate: Toluene-d8	0.480		"	0.500		95.9	70-130			
Surrogate: Bromofluorobenzene	0.489		"	0.500		97.7	70-130			

Matrix Spike (1929035-MS2)

Source: P907052-01

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Gasoline Range Organics (C6-C10)	48.4	20.0	mg/kg	50.0	ND	96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		"	0.500		99.6	70-130			
Surrogate: Toluene-d8	0.482		"	0.500		96.3	70-130			
Surrogate: Bromofluorobenzene	0.473		"	0.500		94.6	70-130			

Matrix Spike Dup (1929035-MSD2)

Source: P907052-01

Prepared: 07/19/19 0 Analyzed: 07/23/19 0

Gasoline Range Organics (C6-C10)	46.7	20.0	mg/kg	50.0	ND	93.5	70-130	3.57	20	
Surrogate: 1,2-Dichloroethane-d4	0.496		"	0.500		99.2	70-130			
Surrogate: Toluene-d8	0.481		"	0.500		96.2	70-130			
Surrogate: Bromofluorobenzene	0.483		"	0.500		96.5	70-130			

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Advanced Wireless
 5500 Rail Road
 Farmington NM, 87402

 Project Name: Floyd 8
 Project Number:
 Project Manager: Krysten Moore

 Reported:
 07/24/19 11:33

Anions by 300.0/9056A - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1929039 - Anion Extraction EPA 300.0/9056A										
Blank (1929039-BLK1)				Prepared & Analyzed: 07/19/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1929039-BS1)				Prepared & Analyzed: 07/19/19 1						
Chloride	260	20.0	mg/kg	250		104	90-110			
Matrix Spike (1929039-MS1)				Source: P907052-01 Prepared: 07/19/19 1 Analyzed: 07/19/19 2						
Chloride	309	20.0	mg/kg	250	38.2	109	80-120			
Matrix Spike Dup (1929039-MSD1)				Source: P907052-01 Prepared: 07/19/19 1 Analyzed: 07/19/19 2						
Chloride	314	20.0	mg/kg	250	38.2	110	80-120	1.59	20	

QC Summary Report
Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Advanced Wireless
5500 Rail Road
Farmington NM, 87402

Project Name: Floyd 8
Project Number:
Project Manager: Krysten Moore

Reported:
07/24/19 11:33

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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