

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

Form C-141
Revised April 3, 2017

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

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

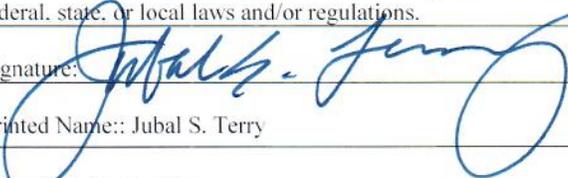
Name of Company: BIYA Operators, Inc.	Contact: Jubal Terry
Address: 1789 W. Littleton Blvd., Littleton CO 80120	Telephone No. (303) 797-5417
Facility Name: Roadside flow line	Facility Type: Flow line
Surface Owner: Ute Mountain Ute Tribe	Mineral Owner: Ute Mountain Ute Tribe
API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	33	31N	16W		2477 FSL		128 FEL	San Juan County

Latitude 36.855170 Longitude -108.499555 NAD83

NATURE OF RELEASE

Type of Release: Oil	Volume of Release	Volume Recovered
Source of Release Flow Line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES. To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES. Volume Impacting the Watercourse. Unknown	
If a Watercourse was Impacted. Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* An unreported release from the flowline from the previous operator. This roadside leak occurred due a poorly repaired flowline. Original release date is unknown. A trench was dug to remove contaminated soils.		
Describe Area Affected and Cleanup Action Taken.* The historical release is located 911' west of the main tank battery on the HGU lease. The release is directly next to the main road and underneath a very steep sandstone ridge. A trench was dug with a back hoe to determine depth and extent. All contaminated excavated soils have been removed and taken to a land farm. Samples were taken from the sides of the trench to determine extent of contamination. All flow lines that came through this ROW to the main tank battery were flushed and capped. A work plan was submitted and approved by the BLM with input from the Ute Mountain Ute Tribe and the BIA and has not been implemented due to the dangers this excavation would create. The depth of the trench is nearly 20' deep and is in close proximity to a high pressure gas line (8") and excavating in the direction of the sandstone cliff next to it would be extremely hazardous. Additional methods of treatment and containment of the contamination are being considered.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jubal S. Terry	Approved by Environmental Specialist: 	
Title: V.P. Exploration	Approval Date: 9/13/17	Expiration Date:
E-mail Address: jterry@diversifiedresourcesinc.com	Conditions of Approval:	
Date: 7/27/2018	Phone: (303) 797-5417	Attached <input checked="" type="checkbox"/>
SEE ATTACHED		

* Attach Additional Sheets If Necessary

NCS1725638943

SOIL REMEDIATION WORK PLAN

FOR

BIYA OPERATORS, INC.

ROADSIDE LINE LEAK
SECTION 33, T31N R16W, NMPM
SAN JUAN COUNTY, NM



Prepared for:
BIYA Operators, Inc.
1789 West Littleton Blvd.
Littleton, CO 80120

Prepared by:
Souder, Miller & Associates
401 W Broadway
Farmington, NM 87401
505-325-7535

April 24, 2017
SMA Reference
5124920 BG12



Souder, Miller & Associates
Engineering ♦ Environmental ♦ Surveying

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Figure 1: Site Map

1.0 Introduction

Souder, Miller & Associates (SMA) is pleased to submit this work plan for excavation and remediation at the BIYA Operators, Inc., Roadside Line Leak release site. The site is located in Unit I (NE ¼ SE ¼), Section 33, Township 31 North, Range 16 West; GPS: 36.857086°, -108.521920°, in San Juan County, New Mexico on Ute Mountain Ute tribal lands.

2.0 Site Ranking and Land Jurisdiction

The Roadside Line Leak release is located on Ute Mountain Ute tribal land with an elevation of approximately 5,384 feet above sea level. After evaluation of the site using aerial photography and topographic maps and review of ground water information provided by Colin Larrick, Water Quality Program Manager, Ute Mountain Ute Tribe, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. No wells are located within a 1000 foot radius of the site. The physical location of this release is within the jurisdiction of Ute Mountain Ute tribal land.

This release location has been assigned soil remediation standards of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH).

3.0 Assessment and Initial Results

In 2016, BIYA Operators, Inc. attempted to excavate contaminated soil from the site. However, site conditions (nearby pipelines, road access) have limited the extent of excavation using standard heavy equipment. On June 9, 2016 BIYA Operators, Inc. personnel collected soil samples from the excavated area. The laboratory samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for DRO and GRO by EPA Method 8015D.

Based on laboratory results of the samples collected by BIYA on June 9, 2016, further excavation is required. Per the Ute Mountain Ute Tribe, remediation and reclamation is to occur prior to June 30, 2017.

4.0 Soil Remediation Work Plan

Upon approval from the Ute Mountain Ute Tribe and with approval from area utilities owners via 811, SMA will guide the excavation activities utilizing hydrovac equipment to remove hydrocarbon impacted soil and rock. Excavation will continue to occur to sufficient to removal the impacted materials. Field screening will occur based on visual observation of stained soil and PetroFlag as needed. Affected soils will be removed from these areas before closure samples are collected at the final depth of excavation and sidewalls at which time SMA will conduct closure sampling.

Excavated material spoils are to be placed on a liner and within a bermed or fenced area. All excavated material is to be transported for disposal at an approved facility within 10 days of

excavation commencing. Excavated material is not to remain on location more than 10 consecutive days. The open excavated areas will remain fenced when excavation activities are not occurring to limit access by cattle and wildlife.

The Ute Mountain Ute Tribe has set a deadline of May 26, 2017 for closure sampling to occur.

5.0 Revegetation Plan

The Ute Mountain Ute Tribe has issued a deadline for reclamation to occur by June 30, 2017. Seed will be planted at one quarter to one-half-inch deep using a disc type or similar rangeland drill sufficient to accommodate variations in seed sizes. If broadcast, seeding rates should be doubled. Seeding can be accomplished as early as May given all dirt work for the location is stabilized. Soil in this area will be tilled to reduce compaction.

Seed-bed preparation will be performed to provide a hospitable environment for germinating seed by breaking up impermeable soil layers that have formed and increasing void spaces for air and water. Ground shall be roughed-up prior to planting by raking harrowing or other methods.

Seed shall be broadcast with a "cyclone" hand seeder or similar broadcast seeder to facilitate an even spread. After seed is broadcast, ground shall be raked or dragged, to help bury it and improve soil contact and provide texture.

Mulch will be placed to prevent loss of moisture and seed to wind.

Mulching shall be accomplished by using one of these following methods:

- a) weed free straw (2 tons/ac;kg/ha)
- b) wood residues (sawdust, wood chips, bar (2tons/ac;kg/ha)
- c) hydro-mulching (1,500 lb/ac;kg/ha)
- d) composted manure (5 tons/ac;kg/ha)
- e) excelsior blanket
- f) straw jute

Livestock will be temporarily fenced out of any seeded area, as they will otherwise greatly reduce possibility of successful revegetation. Probability of successful seeding will be considerably increased if fencing remains until reclamation is stable, and plants have grown well enough to withstand grazing. Stabilization would occur after a minimum of two full summer growing seasons after planting.

6.0 Conclusions and Recommendations

This site has been assigned soil remediation standards of: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 100 ppm TPH. The release consisted of produced and associated petroleum found during the initial assessment and delineation.

After the soil remediation work plan is approved by the Ute Mountain Ute Tribe, SMA will begin the planned soil remediation activities on site.

If there are any questions regarding this report, please contact either Ashley Maxwell or Shawna Chubbuck at 505-325-7535.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

A handwritten signature in black ink, appearing to be 'AM' or similar initials, written in a cursive style.

Ashley Maxwell
Staff Scientist

A handwritten signature in blue ink that reads 'Shawna Chubbuck' in a cursive script.

Shawna Chubbuck
Senior Scientist

FIGURE 1
SITE MAP



SITE LOCATION

11



NOT TO SCALE

BIYA

SOUDER, MILLER & ASSOCIATES

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Designed AP	Drawn DJB	Checked RSA
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THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED

Date:	APRIL 2017
Scale:	Horiz: N.T.S. Vert: N/A
Project No:	5124920
Sheet:	1

SITE MAP
 Section 33, Township 31 North, Range 16 West
 ROADSIDE LINE LEAK