



Southern Ute Indian Tribe Department of Energy Plug & Abandonment Form and Checklist

14929 Hwy 172 Ignacio, CO 81137

A draft of this form and all attachments are to be sent to the Southern Ute Indian Tribe's Department of Energy (DOE) prior to or after the plug and abandonment onsite. Please submit form to PA@sudoe.us.

SECTION 1 - OPERATOR INFORMATION

Name of Operator: _____ Operator No.: _____
 Address: _____ Phone: _____
 City: _____ State: _____ Zip: _____ Mobile: _____
 Contact Person: _____ Email: _____

Name of ROW holder/gatherer and contact information: _____

Lat/Long of custody transfer point: Latitude: _____ Longitude: _____

Has gatherer been notified: Yes No

****ROW holder/gatherer for off location flowlines/gathering lines (gas, water, etc.) must complete sections 1, 2, 3, 4, 5 & 6 of the DOE Notice of Intent to Abandon Pipeline and Well Site Flowline Form and submit the NOI to the email link provided on that form.*

P/A Form Checklist (All information in checklist must be present and completely filled out for plan to be accepted)

Well Site Flowline Abandonment Plan (Section 2)

Well Site Equipment Removal Sampling Plan & Map (Section 2)

Well Site Reclamation Plan (Section 2)

Access Road and Access Road Reclamation Plan (Section 3)

Site Map(s) (Section 4)

If disturbance is greater than 1 acre, operator must submit this Plug & Abandonment Form to the SUIT Environmental Programs Division epdwq@southernute-nsn.gov to satisfy the SUIT stormwater recommendations.

I hereby certify that the information detailed in the attached plan is in accordance with regulatory requirements and tribal requests, and all information submitted in connection with the reclamation of this well site, access road and pipeline ROW are true, accurate, and complete to the best of my knowledge.

Signature: _____ Email: _____
 Name: _____ Date: _____
 Title: _____

Reviewed and Approved by:

DOE Approved By: _____ Date: _____

Comments:

SECTION 2 - GENERAL WELL SITE INFORMATION

Well Name: _____ API: _____ Lease #: _____
Legal Description: QTRQTR: _____ Section: _____ TWP: _____
Latitude: _____ Longitude: _____
Location of Reserve Pit: _____
Producing Formation & Spud Date: _____
Equipment List: _____

Well Site Flowline Abandonment Plan (*Plan should include all applicable items in the "Scope of work Narrative" provided below*)

Well Site Flowline Abandonment Checklist (All information for Checklist Items #1 & #2 must be provided for plan to be accepted)

- #1 SCOPE OF WORK NARRATIVE:** Describe applicable method(s) and processes that will be utilized for abandoning lines, including:
- What flowlines are to be removed and what flowlines are to be abandoned in place.
 - The process for draining all liquids from all water, oil, and gas pipelines.
 - Purging procedures for lines to be abandoned in place.
 - Cutting and sealing all end connections/cut points for lines abandoned in place.
 - Verifying that all portions of pipeline that are abandoned in place are greater than 36" below final grade.
- #2 MAPPING:** Provide a map of all well site flowlines and appurtenances (including fuel gas lines, taps, etc.). Only one map is required and will need to include:
- Pipe removed from the pad: detail the approximate location of the pipe removed from the pad, all appurtenances removed from the pad, and custody transfer point(s).
 - Pipe abandoned in place: detail the approximate location of cut points, abandoned lines left in place, and custody transfer point(s). GIS shapefiles for lines abandoned in place and cut points must be provided after work has been completed.
- #3 UPON COMPLETION OF WORK** the following items must be submitted to DOE prior to commencing recontouring work at the pad:
- For flowlines removed from the site, provide an email notification to DOE asserting that flowlines have been removed per the approved scope of work.
 - For flowlines abandoned in place, provide a separate stand-alone document signed by an authorized company employee/ representative (not a vendor/consultant/contractor), who observed that the flowline abandonment work was done in accordance with the approved scope of work, verifying that all water, oil, and gas pipelines: have been fully drained, have been purged with air or inert gas as necessary to prevent a hazardous atmosphere, have been depleted to atmospheric pressure, have been abandoned in place greater than 36" below final grade, and have been properly cut and capped at all locations as indicated in the approved scope of work.
 - Location data for all flowlines abandoned in place and flowline cut points are to be recorded with a global positioning system (GPS). A GIS shapefile for all flowlines abandoned in place and flowline cut points is to be provided to DOE.

Well Site Equipment Removal Sampling Plan (*Map required, see attached Table 1 Sampling Guidance*)

Well Site Reclamation Plan (See attached General Components of a P&A Plan)

Well Site Stormwater Plan (Type and Placement)

SECTION 3 - GENERAL ACCESS ROAD RECLAMATION

Will Access Road Remain Active?	Yes	No
Will Access Road be Reclaimed with Pad?	Yes	No
Will Access Road be Reclaimed when Pad is Adequately Revegetated (See attached SUIT DOE Westside Road Classification Map)?	Yes	No

Length of Access Road: _____

Access Road Reclamation Plan (Drainage Restoration, Aggregate, Recontouring, Seeding and Mulching, Map)

Access Road Stormwater Plan (Type and Placement)

SECTION 4 - MAPPING REQUIREMENTS RELATED TO THE RECLAMATION OF WELL SITE/ACCESS ROAD AND SAMPLING PLAN

All maps must include the following components:

Construction site boundaries/permitted area

Areas of potential receiving water

All areas of ground disturbance

Laydown areas

Potential sources of pollution

Location of BMPs

Areas of cut and fill

Stormwater outfall locations

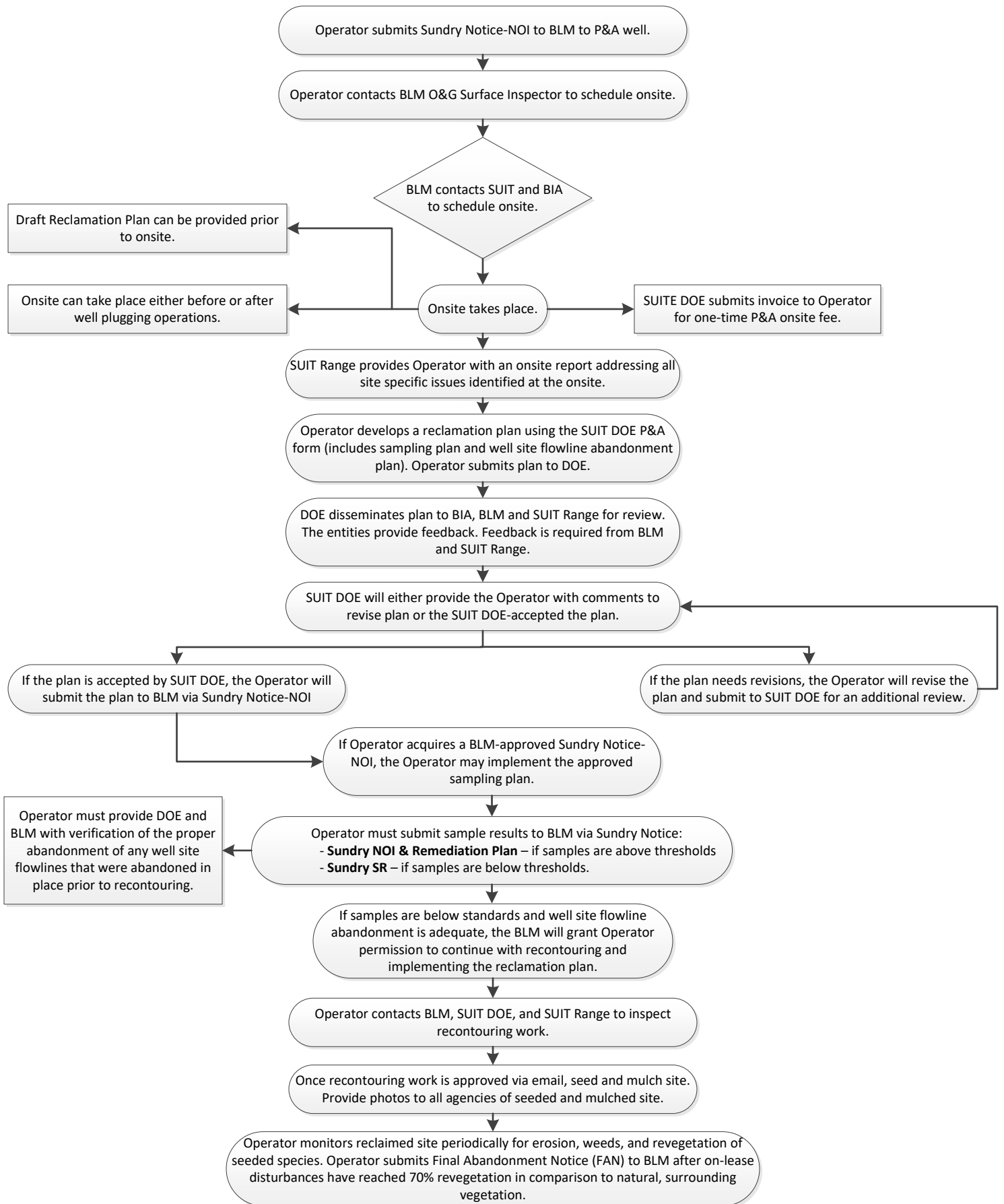
Analytical sample locations

Equipment placement, pits and locations of all well site flowlines (water and gas)

Additional Comments/Information

Empty box for additional comments or information.

Flowchart 13 - Plug and Abandon (P&A) Project Phasing



**Flowchart 14 - Plugged Wells on a Multi-Well Pad with Producing Wells (Operated by the Same Company)
Project Phasing**

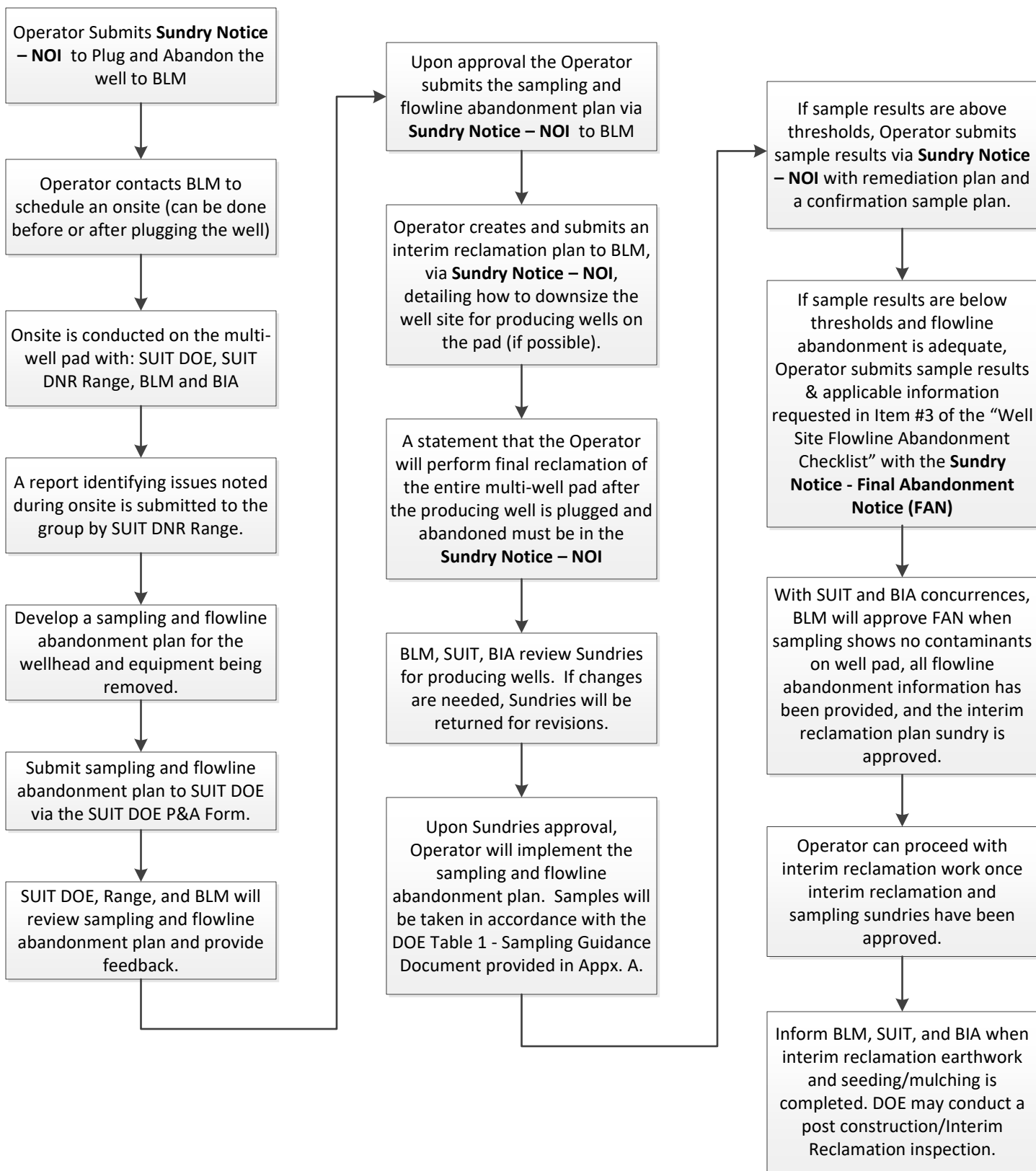


Table 1 – Final Reclamation Sampling Guidance on Southern Ute Indian Reservation

Area to Sample	Where to Sample	How to Sample	What to Sample ⁴
Produced Water Tank for Fruitland Coal Well ^{1,2}	Underneath	Composite sample from 2-3 discrete samples	SAR, EC, pH
Produced Water Tank for Non -Fruitland Coal Well ^{1,2}	Underneath	Composite sample from 2-3 discrete samples	SAR, EC, pH, BTEX, TPH
Condensate or Oil Tank ¹	Underneath	Composite sample from 2-3 discrete samples	Full Table 915-1
Separator ^{1,2}	Underneath	Composite sample from 2-3 discrete samples	SAR, EC, pH
Compressor ¹	Underneath	Composite sample from 2-3 discrete samples	Full Table 915-1
Meter House ³	Underneath	Composite sample from 2-3 discrete samples	Mercury
Wellhead	Within 24"	Composite sample from 2-3 discrete samples	SAR, EC, pH, BTEX, TPH
Pumping Unit Base for Gas Driven Engines ¹	Within 6" of Base Edge	Composite sample from 2-3 discrete samples	TPH
Dehydration Unit ¹	Underneath	Composite sample from 2-3 discrete samples	TPH
Previously Buried Pit (<i>only if disturbed, exposed or impacting the environment.</i>)	Low Point or Center	1 Discrete Sample	Full Table 915-1

¹May be waived if documentation is provided of previous testing during equipment removal closure for historic equipment/tank decommissioning or removal.

²May be waived if area will be buried under at least three feet of clean soil from recontouring and not at risk of exposure from erosion

³May be waived if documentation provided that only non-mercury meters used onsite

⁴Samples must be analyzed at an accredited laboratory using the Colorado Oil and Gas Conservation Commission's Table 915-1

Note: Provide a map of sample locations. Additional sampling may be required, at DOE's discretion, depending upon analytical results, depth to groundwater, unique situations or circumstances, and location of nearby receptors. A background sample is also recommended. Operators are allowed to collect and transport their own lab samples as long as the appropriate collection methods and equipment are used.

Acronym(s):

- SAR – Sodium Absorption Ratio
- EC – Electrical Conductivity
- BTEX – Benzene, Toluene, Ethylbenzene, Xylenes (total)
- TPH – Total Petroleum Hydrocarbons

This document is provided to Operators as a guidance tool. If all areas are sampled in the manner provided on this document, the Operator will be in full compliance with all involved agencies.