

State of Colorado
Oil and Gas Conservation Commission



#8050

FOR OGCC USE ONLY

RECEIVED
10/29/2013

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee:

Spill Complaint
 Inspection NOAV

Tracking No: _____

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

Spill or Release Plug & Abandon Central Facility Closure Site/Facility Closure Other (describe): _____

OGCC Operator Number: <u>10091</u>	Contact Name and Telephone: _____
Name of Operator: <u>Bryan Burns</u>	<u>Bryan Burns</u>
Address: <u>1999 Broadway, Suite 3700</u>	No: <u>3039994245</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	Fax: <u>3039994345</u>

API Number: <u>05-045-13637</u>	County: <u>Garfield</u>
Facility Name: <u>Latham O-32</u>	Facility Number: <u>335840</u>
Well Name: <u>Latham #32-14D</u>	Well Number: <u>32-14D</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWSE, Sec 32, Twp 5, Rng 96, Meridian 6th</u> Latitude: <u>39.562193</u> Longitude: <u>-108.153076</u>	

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Condensate and Produced Water

Site Conditions: Is location within a sensitive area (according to Rule 901e)? Y N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Natural Gas Exploration and Development

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Parachute loam, Parachute-Rhombic loams, colluvium derived from sedimentary rock

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface water approximately 2700' away. Depth to shallowest ground water is approximately 550'. Groundwater depth determined from drilling reports indicating shallowest water inflow at 550'.

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	<u>50' x 40' Area by 8' deep</u>	<u>Excavation of line</u>
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface Water	_____	_____

REMEDIATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

The line was isolated and the oil tank drained. Produced fluids were redirected to other tanks on-site. Within 24hrs, an excavation crew began digging in the ditch line to determine the extent of contamination.

Describe how source is to be removed:

Excavation of all impacted soil, condensate, and produced water has been completed. Soils will be land treated on site and tested until samples pass the Table 910-1 Standards.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, in situ bioremediation, burning of oily vegetation, etc.:

Soils will be land treated on site and tested until samples pass the Table 910-1 Standards. Lines are being replaced and a field-wide pressure test of similar lines is being performed. Testing to be complete by approximately October 29th.



Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
Facility Name & No: _____

REMEDIATION WORKPLAN (Cont.)

OGCC Employee: _____

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

It is not believed that groundwater has been impacted given the approximately 1/2 mile distance between House Log Gulch and the pad. Soil and water samples are being collected as a precautionary action on pad and at House Log Gulch for lab analyses.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

The excavation is to be backfilled with clean soil. Treated soils will be spread on location and pad surface will be re-contoured to previous grade. Pad site will be reclaimed and landowner approved seed mix will be utilized. Weeds will be sprayed bi-annually.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? Y N If yes, describe:

Ongoing soil sampling, if necessary

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Landtreated and disposed onsite

IMPLEMENTATION SCHEDULE

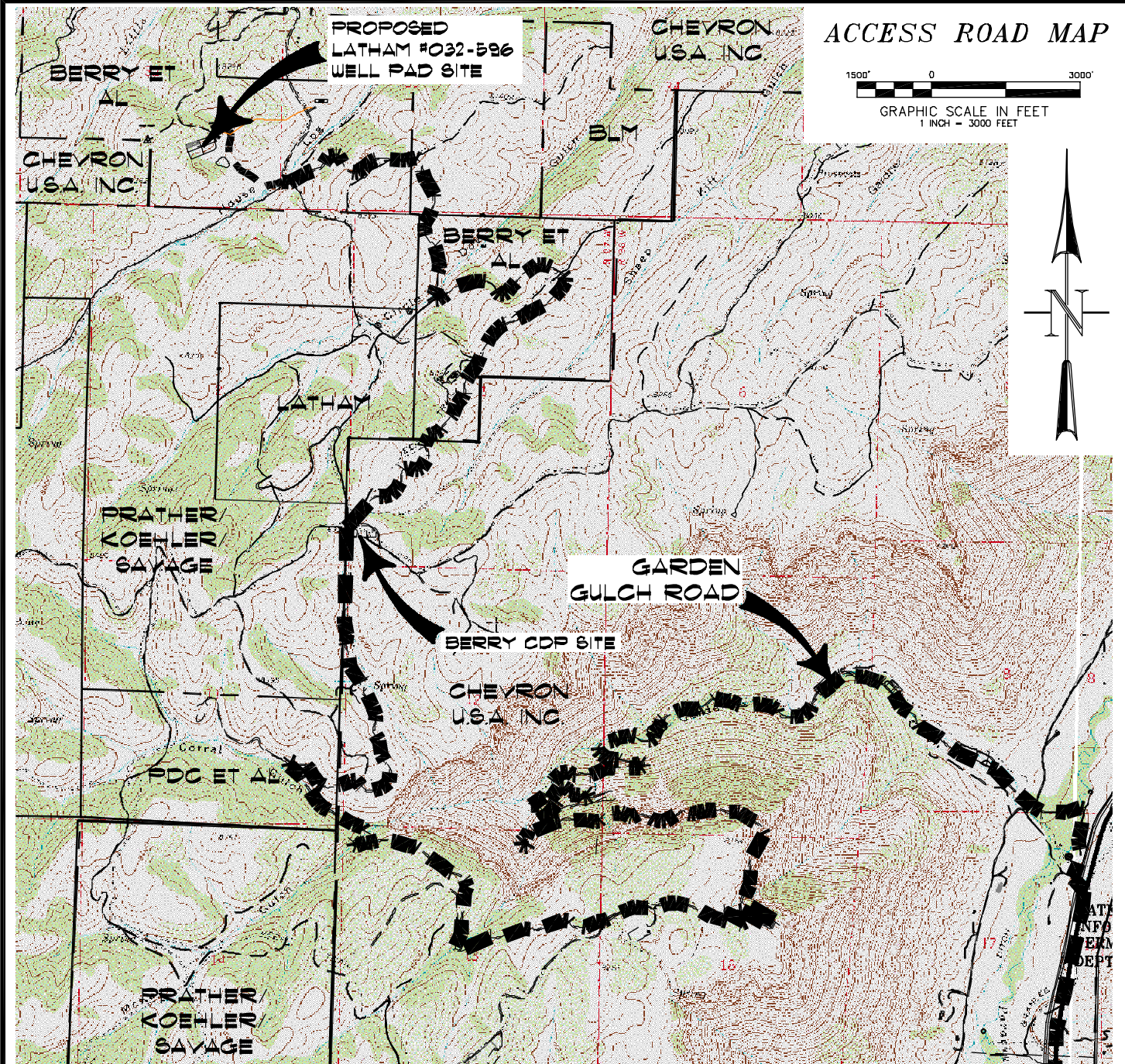
Date Site Investigation Began: 10/17/2013 Date Site Investigation Completed: 10/29/2013 Date Remediation Plan Submitted: 10/28/2013
Remediation Start Date: 10/28/2013 Anticipated Completion Date: 10/28/2014 Actual Completion Date: _____

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Bryan Burns Signed: Date: 10/28/2013
Title: Environmental Specialist

OGCC Approved: _____ Title: _____ Date: _____

ACCESS ROAD MAP



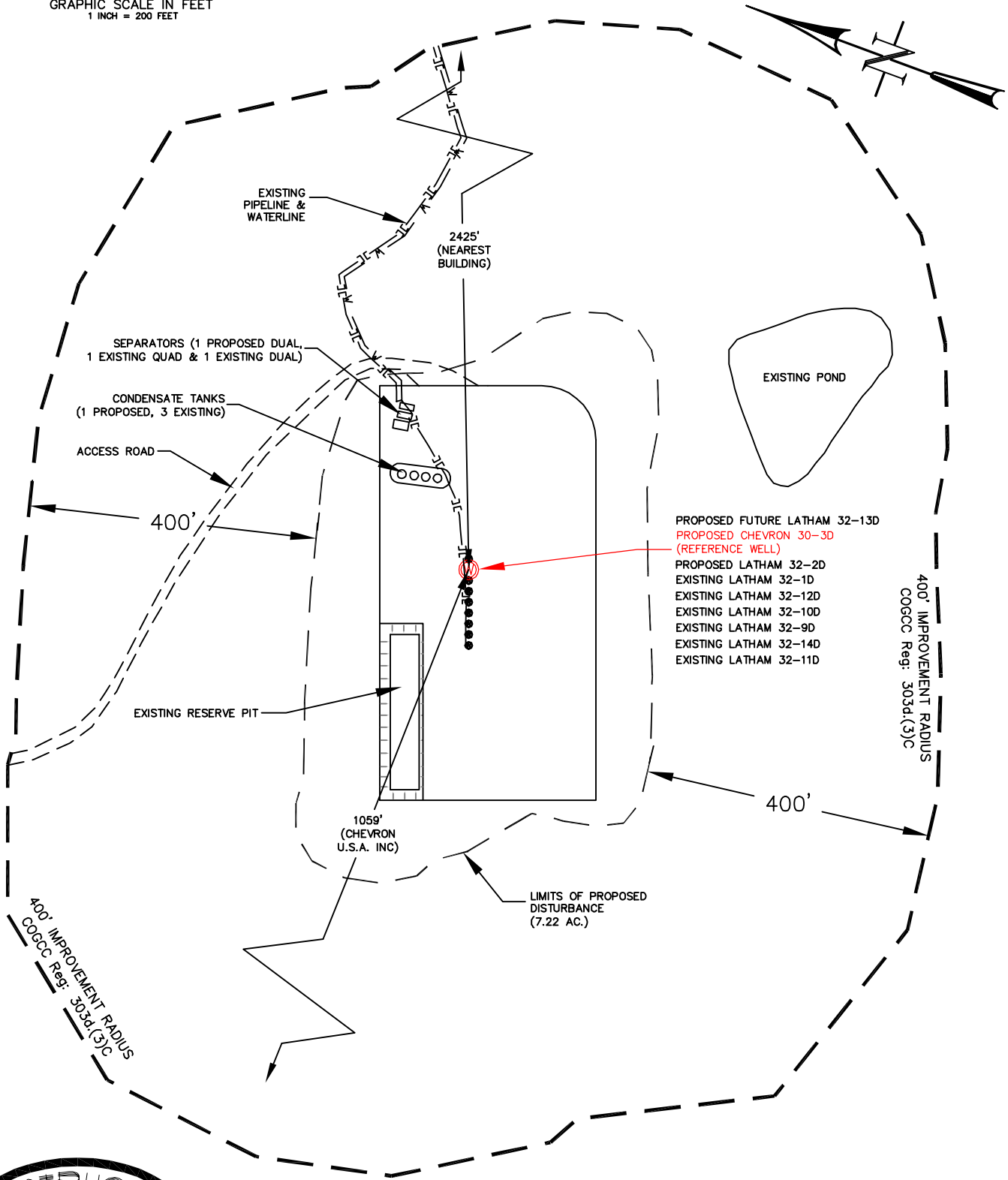
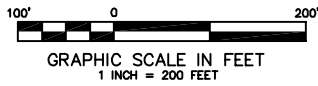
ACCESS:
 FROM THE INTERSECTION OF HIGHWAY 6 & 24 AND COUNTY ROAD 215 AT PARACHUTE, PROCEED IN A GENERAL NORTHWESTERLY DIRECTION ALONG COUNTY ROAD 215 ±7.2 MILES TO AN INTERSECTION WITH A DIRT/GRAVEL ROAD ON THE LEFT, PROCEED LEFT IN A GENERAL NORTHWESTERLY DIRECTION ±350 FEET TO AN INTERSECTION WITH A DIRT/GRAVEL ROAD ON THE RIGHT, PROCEED RIGHT IN A GENERAL NORTHERLY DIRECTION ±0.3 MILES TO AN INTERSECTION WITH A DIRT/GRAVEL ROAD ON THE LEFT, PROCEED LEFT IN A GENERAL WESTERLY DIRECTION CROSSING THE PARACHUTE CREEK BRIDGE, PROCEED IN A GENERAL WESTERLY DIRECTION ALONG THE GARDEN GULCH ROAD ASCENDING THRU THE BOOKCLIFFS ±10.4 MILES TO THE BERRY CDP SITE, PROCEED FORWARD PAST THE CDP SITE ALONG THE GARDEN GULCH ACCESS ROAD IN A GENERAL NORTHERLY DIRECTION APPROXIMATELY 3.2 MILES TO AN INTERSECTION WITH A PROPOSED FLAGGED ACCESS CENTERLINE ON THE LEFT, PROCEED LEFT IN A GENERAL NORTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE PROPOSED LATHAM #032-596 WELL PAD, BEING THE LOCATION.



CONSTRUCTION SURVEYS, INC.
 0012 SUNRISE BLVD.
 SILT, CO 81652
 (970)876-5753

Latham 032-596
 SW 1/4 SE 1/4 SECTION 32, T. 5 S., R. 36 W.
 BERRY PETROLEUM COMPANY

LOCATION DRAWING



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Latham 032-596
 SW 1/4 SE 1/4 SECTION 32, T. 5 S., R. 96 W.
BERRY PETROLEUM COMPANY

SCALE: 1" = 200'

SHEET: 2 of 11

