Proj # 7058

01949125

FORM 27 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

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

FOR OGCC USE ONLY

OGCC Employee:
☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV
Tracking No:

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

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

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

OGCC Operator Number: 10020
Name of Operator: Lone Pine Gas, Inc.
Address: 4505 S Broadway
City: Englewood State: CO Zip: 80113

Contact Name and Telephone:
Steven Shute
No: 970-928-9208
Fax: pipeline@rof.net

API Number: Lease 51375
County: Jackson - 057
Facility Name: Spaulding A Battery
Facility Number: 115242
Well Name:
Well Number:
Location: (QtrQtr, Sec, Twp, Rng, Meridian): SWSE Sec 20-9N-81W 6th PM
Latitude: 40.7174 Longitude: 106.4983

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): crude oil & 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.): dryland pasture

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan:

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Spring Gulch

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

Impacted Media (check)		Extent of Impact	How Determined
☑	Soils	excavated contaminated soil to extent practical	handheld HC meter, detailed analysis
☐	Vegetation		
☑	Groundwater	minimal migration	monitor well down gradient
☐	Surface Water		

REMEDIATION WORKPLAN

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

Contaminated soil was excavated to the extent practical between settling ponds, and stored onsite in a bermed area pending disposal.

Describe how source is to be removed:

All accessible contaminated soil was removed for disposal.

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, insitu bioremediation, burning of oily vegetation, etc.:

There is a small remaining "donut" shaped body around the bottom that could not be removed; it will be covered with uncontaminated soil and monitored in a nearby monitor well for any HC migration. The stockpiled contaminated soil will be processed in a rotary kiln onsite, hauled for disposal to Ault, CO or a combination, scheduled to start in 4Q 2012.

Submit Page 2 with Page 1

FORM 27 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203
(303)894-2100 Fax:(303)894-2109

Page 2

REMEDIATION WORKPLAN (Cont.)

Tracking Number: Proj. 7058
Name of Operator: 100200
OGCC Operator No:
Received Date:
Well Name & No:
Facility Name & No: 115241

OGCC Employee:

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

Groundwater does not appear to be impacted more than a few feet from the former walls of the pit. There are 3 monitoring wells located in the immediate area around the pit and settling ponds. The MW immediately down-gradient will be monitored quarterly for TPH. If any significant change is detected in this well, testing will be expanded with a broader range of tests to this well, and to other MWs and settling ponds as necessary.

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.

By 11/15/12, the remaining water will be pumped back to the processing plant. Uncontaminated soil excavated from the dikes around the Pit will be returned to the Pit to fill in above the groundwater level; supplemental soil is available from the north side of the lease.

The contaminated soil will be processed in an onsite gas-fired rotary kiln to burn off hydrocarbons, or hauled for disposal to Ault, CO or a combination. This is scheduled to start in 4Q 2012. If onsite processing is used, the remaining soil will be tested and returned to the Pit. If not, the Pit will be filled and contoured as necessary to assure safe operation of the adjacent ponds and facilities, without leaving a sunken area that would collect water or trash.

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:

Samples previously submitted.

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

See above, HC traces in contaminated soil will be incinerated onsite using natural gas produced by the lease; or all soil trucked to the disposal site at Ault, CO.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 3-01-12	Date Site Investigation Completed: 9-19-12	Date Remediation Plan Submitted: 9-21-12
Remediation Start Date: 6-19-12	Anticipated Completion Date: 2Q13	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: Steven Shute Signed:

Title: VP Date: 9-21-12

OGCC Approved: Title: Env. Sup. Date: 12/12/12

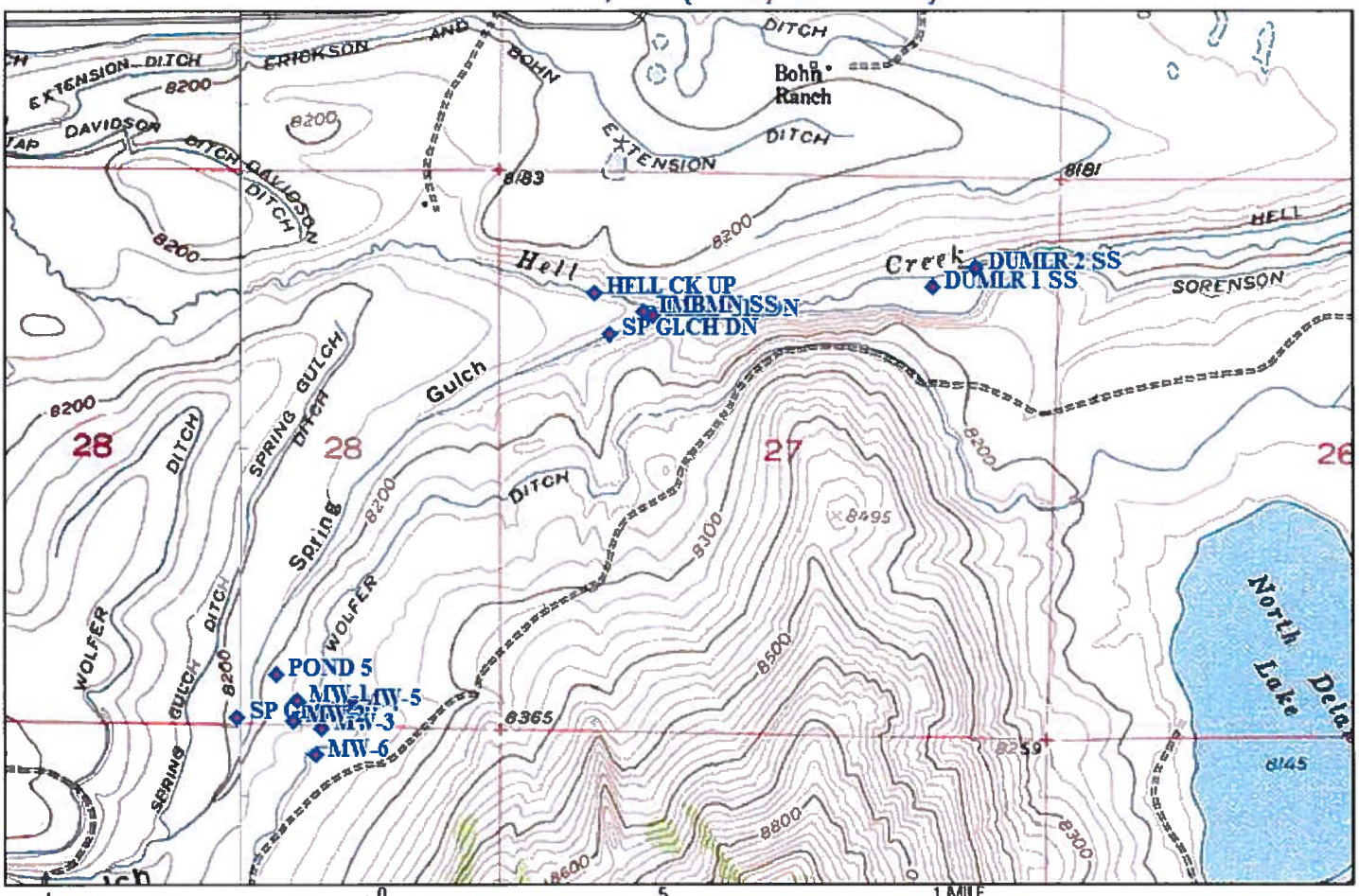
See Attached COA's

CONDITIONS OF APPROVAL

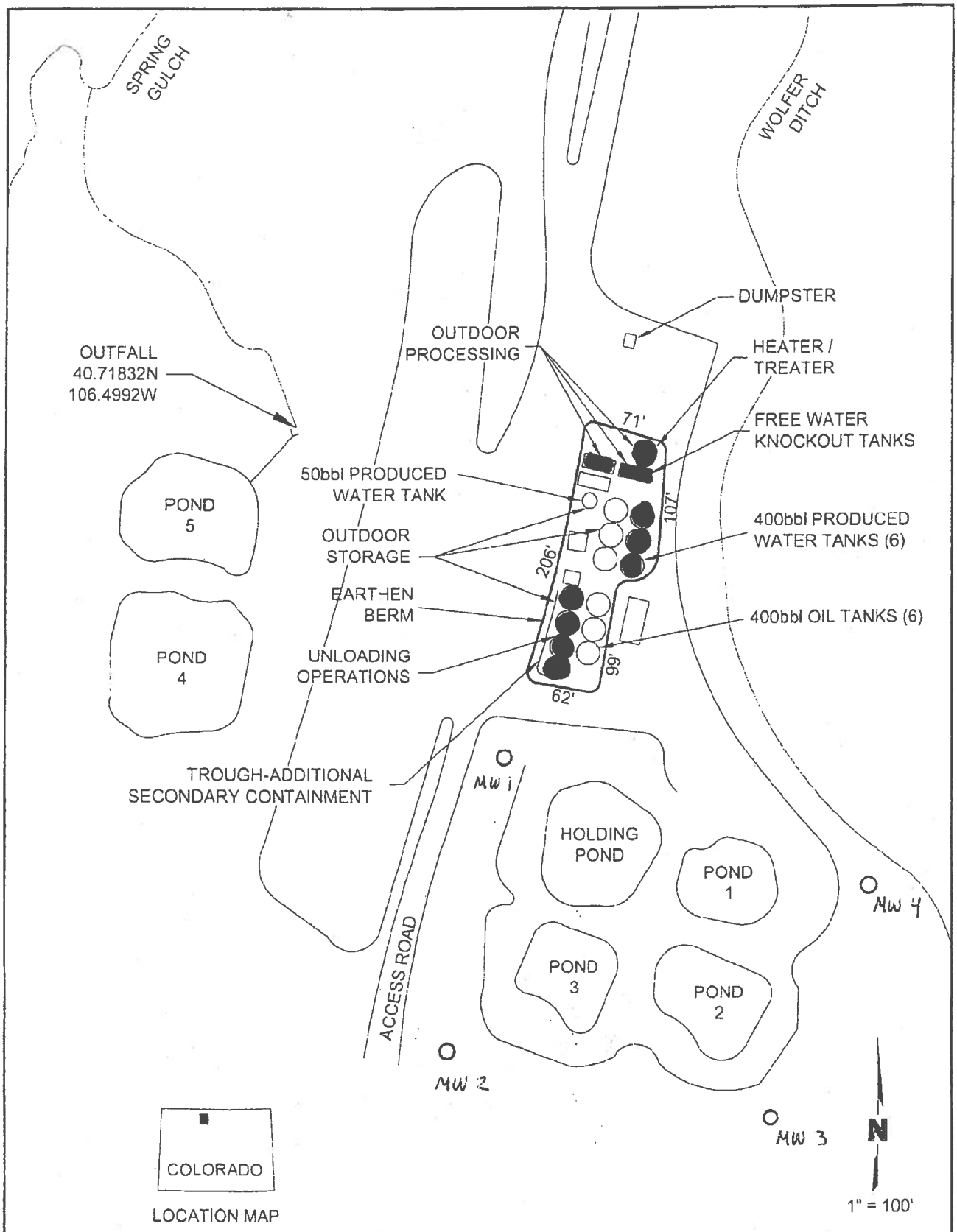
Lone Pine Gas; Facility ID: 115241; SWSE SEC 20, R9N, T81W

- Provide a schedule and timeline for addressing the 2000-2500 cy of impacted material temporarily being stockpiled at the two well locations (Margaret Spaulding 4 and Margaret Spaulding 14) Location ID: 324634
- Provide a monitoring and sampling plan of the groundwater monitoring wells (MWs) installed at the site. This should include the frequency water levels from monitoring wells will be measured (from MWs, 1, 2, 3, 4, 5, and 6) and frequency of sampling the groundwater of the MWs. At a minimum, MW 1 through 4 shall be sampled and analyzed on a quarterly basis for those constituents above the 910-1 that are being left in place including: benzene, toluene, ethyl benzene(BTEX); total petroleum hydrocarbons (TPH) as diesel range organics (DRO) and gasoline range organics (GRO), as well as well as total recoverable iron. The four (4) treatment ponds and effluent from the last pond should also be included in this monitoring program until there is enough data (4-8 quarters) demonstrating that the impacted material left in place is or is not migrating from the source left in place. MWs 5 and 6 should be sampled on an annual basis for the above mentioned constituents.

Lone Pine Gas, Inc. (Facility ID 324634)



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)



PROJECT: 009-1153 DRAWN BY: SDS DATE: 09.21.10	CENTRAL TANK BATTERY AREA LONE PINE GAS, INC LONE PINE FIELD UNIT JACKSON COUNTY, COLORADO	GLSSON	3690 TABLE MOUNTAIN DRIVE SUITE 200 GOLDEN, CO 80403 TEL 303.237.2072 FAX 303.237.2659	FIGURE 1