

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  
RECEIVED 10/27/2014  
REM 8745  
DOC 200416752

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): Production Pit Closure

OGCC Operator Number: 95960

Name of Operator: Wexpro Company

Address: PO Box 458

City: Rock Springs State: WY Zip: 82902

Contact Name and Telephone:

Tammy Fredrickson

No: 307.352.7514

Fax: 307.352.7575

API Number: 05-081-05474-00

County: Moffat

Facility Name: Powder Wash

Facility Number: 100665

Well Name: Carl Allen

Well Number: 8

Location: (QtrQtr, Sec, Twp, Rng, Meridian): NESW 32-12N-97W

Latitude: 40.955895 Longitude: -108.31656

## TECHNICAL CONDITIONS

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

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.):

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

Impacted Media (check):



Soils



Vegetation



Groundwater



Surface Water

Extent of Impact:

Minimal

How Determined:

Soil Analysis

## REMEDIALATION WORKPLAN

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

Soil will be allowed to air after being sprayed with Enviro Clean and Gator will be mixed in. Soil will be stirred weekly. Additional soil analysis will be taken prior to pit closure.

Describe how source is to be removed:

Dirt berm around pit will be knocked into the pit area and compacted. Additional fill material, if needed, will be obtained from a commercial source. Pit will be closed.

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.:

N/A



Page 2  
REMEDATION WORKPLAN (Cont.)

Tracking Number: \_\_\_\_\_  
Name of Operator: \_\_\_\_\_  
OGCC Operator No: \_\_\_\_\_  
Received Date: \_\_\_\_\_  
Well Name & No: Cad Allen 8, Pt 100665  
Facility Name & No: \_\_\_\_\_

OGCC Employee: \_\_\_\_\_

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

N/A

**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.

Pit has not been closed to date and is located on the well pad. The pit will be reclaimed and seeded as per guidelines set forth in the BLM APD, any applicable sundries and standard reclamation practices once soil analysis reach an acceptable level.

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:

Additional soil testing will be performed until the TPH/GRO reaches an acceptable level.

SAR + EC

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

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 6/21/13 Date Site Investigation Completed: TBD Date Remediation Plan Submitted: 7/10/13  
Remediation Start Date: 7/10/13 Anticipated Completion Date: 10/1/13 Actual Completion Date: TBD

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

Print Name: Jimmy L. Druce

Signed: Jimmy L. Druce

Title: General Manager

Date: July 10, 2013

OGCC Approved: Kris Neidel

Title: BPS 1

Date: 11/7/14

COA's  
2 discrete samples should be taken from Pit (wall & True Bottom) for final closure. If attenuation of DRO is not achieved after next summer (2015) other methods of remediation may need to be explored - Kris Neidel

Tammy Fredrickson  
Wexpro  
PO Box 458  
Rock Springs, WY 82901

Date: July 9, 2013  
Request Number: 31773  
Date Received: 6-21-13  
Matrix: Soil  
Method: EPA 8270C

### REPORT OF ANALYSIS

Lab Number: N8292

Sample ID: Powder Wash Carl Allen #8 6-19-13 10:00

PAH Compound	Result, mg/kg	Reporting Limit, mg/kg	Date Analyzed
2-Methylnaphthalene	< 0.00985	0.00985	7/1/2013
Acenaphthene	< 0.00985	0.00985	7/1/2013
Acenaphthylene	< 0.00985	0.00985	7/1/2013
Anthracene	< 0.00985	0.00985	7/1/2013
Benzo(a)anthracene	< 0.00985	0.00985	7/1/2013
Benzo(a)pyrene	< 0.00985	0.00985	7/1/2013
Benzo(b)fluoranthene	< 0.00985	0.00985	7/1/2013
Benzo(g,h,i)perylene	< 0.00985	0.00985	7/1/2013
Benzo(k)fluoranthene	< 0.00985	0.00985	7/1/2013
Chrysene	< 0.00985	0.00985	7/1/2013
Dibenz(a,h)anthracene	< 0.00985	0.00985	7/1/2013
Fluoranthene	< 0.00985	0.00985	7/1/2013
Fluorene	< 0.00985	0.00985	7/1/2013
Indeno(1,2,3-cd)pyrene	< 0.00985	0.00985	7/1/2013
Naphthalene	<b>0.0102</b>	0.00985	7/1/2013
Phenanthrene	< 0.00985	0.00985	7/1/2013
Pyrene	< 0.00985	0.00985	7/1/2013

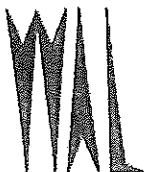
#### Surrogate Recoveries

Compound	% Recovery	% Recovery Limits
2-Fluorobiphenyl	64	20-105
Nitrobenzene-d5	44	20-100
Terphenyl-d14	42	30-125

Note: PAH analyzed by TestAmerica Lab in Cedar Falls IA.  
TestAmerica lab number: 310-10482-1

X *Monte L. Ellis*

Laboratory Manager  
Signed by: REPORT



### **WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St. Wallaramie@wal-lab.com  
Laramie, WY 82070

(307) 742-7995  
Fax: (307) 721-8956



Tammy Fredrickson  
Wexpro  
PO Box 458  
Rock Springs, WY 82901

Date: July 9, 2013  
Request Number: 31773  
Date Received: 6-21-13  
Matrix: Soil

**REPORT OF ANALYSIS**

**Gasoline Range Organics/Method: 8260**

Lab Number	Sample ID	TPH-GRO mg/kg	Date Analyzed	Analyst
N8292	Powder Wash Carl Allen #8 6-19-13 10:00	0.60	7-3-13	DL

**Diesel Range Organics/Method: 8015**

Lab Number	Sample ID	TPH-DRO mg/kg	Date Analyzed	Analyst
N8292	Powder Wash Carl Allen #8 6-19-13 10:00	610	6-28-13	KS

**GRO QUALITY CONTROL**

**MS/MSD RECOVERIES**

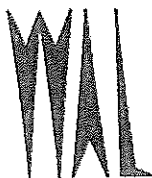
Compound	Spike, % Rec	Duplicate% Rec	QC Limits	RPD/ RPD Limits%
Benzene	95	98	76-127	3/11
Toluene	97	101	76-127	3/13

**DRO QUALITY CONTROL**

% Recovery	Duplicate % Rec	RPD %	RPD Limit
86	108	22.7	50

X *Monte L. Ellis*

Laboratory Manager  
Signed by: REPORT



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Tammy Fredrickson  
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Date: July 9, 2013  
Request Number: 31773  
Date Received: 6-21-13  
Matrix: Soil

**REPORT OF ANALYSIS**

Lab Number	N8292			
Sample ID	Powder Wash Carl Allen #8 6-19-13 10:00	Method	Date Analyzed	Analyst
Arsenic, mg/kg	7.30	EPA 3052/6020	6/25/2013	FP
Selenium, mg/kg	3.65	EPA 3052/6020	6/25/2013	FP
Silver, mg/kg	3.33	EPA 3052/6020	6/25/2013	FP
Cadmium, mg/kg	0.813	EPA 3052/6020	6/25/2013	FP
Barium, mg/kg	726	EPA 3052/6020	6/25/2013	FP
Mercury, mg/kg	0.141	EPA 3052/6020	6/25/2013	FP
Lead, mg/kg	21.2	EPA 3052/6020	6/25/2013	FP
Chromium, mg/kg	18.8	EPA 3052/6020	6/25/2013	FP
Chromium (III), mg/kg	18.5	Calculated (titl.Cr-Cr6)		ME
Chromium (VI), mg/kg	< 0.2	EPA 7196A	6/24/2013	CB
Soluble, Boron, mg/kg	44.7	EPA 3052/6020	6/27/2013	FP
Copper, mg/kg	13.2	EPA 3052/6020	6/25/2013	FP
Nickel, mg/kg	9.89	EPA 3052/6020	6/25/2013	FP
Zinc, mg/kg	30.6	EPA 3052/6020	6/25/2013	FP
Conductivity, umhos/cm	20,000	EPA 120.1	6/25/2013	DA
Calcium, mg/kg	53,810	EPA 3052/6020	6/27/2013	FP
Magnesium, mg/kg	9,721	EPA 3052/6020	6/27/2013	FP
Sodium, mg/kg	427,200	EPA 3052/6020	6/27/2013	FP
Sodium Absorption Ratio	86.76	Calculated	6/27/2013	JC
pH, std. units	7.36	EPA 150.1	6/25/2013	DA

X *Monte L. Ellis*

Laboratory Manager  
Signed by: REPORT

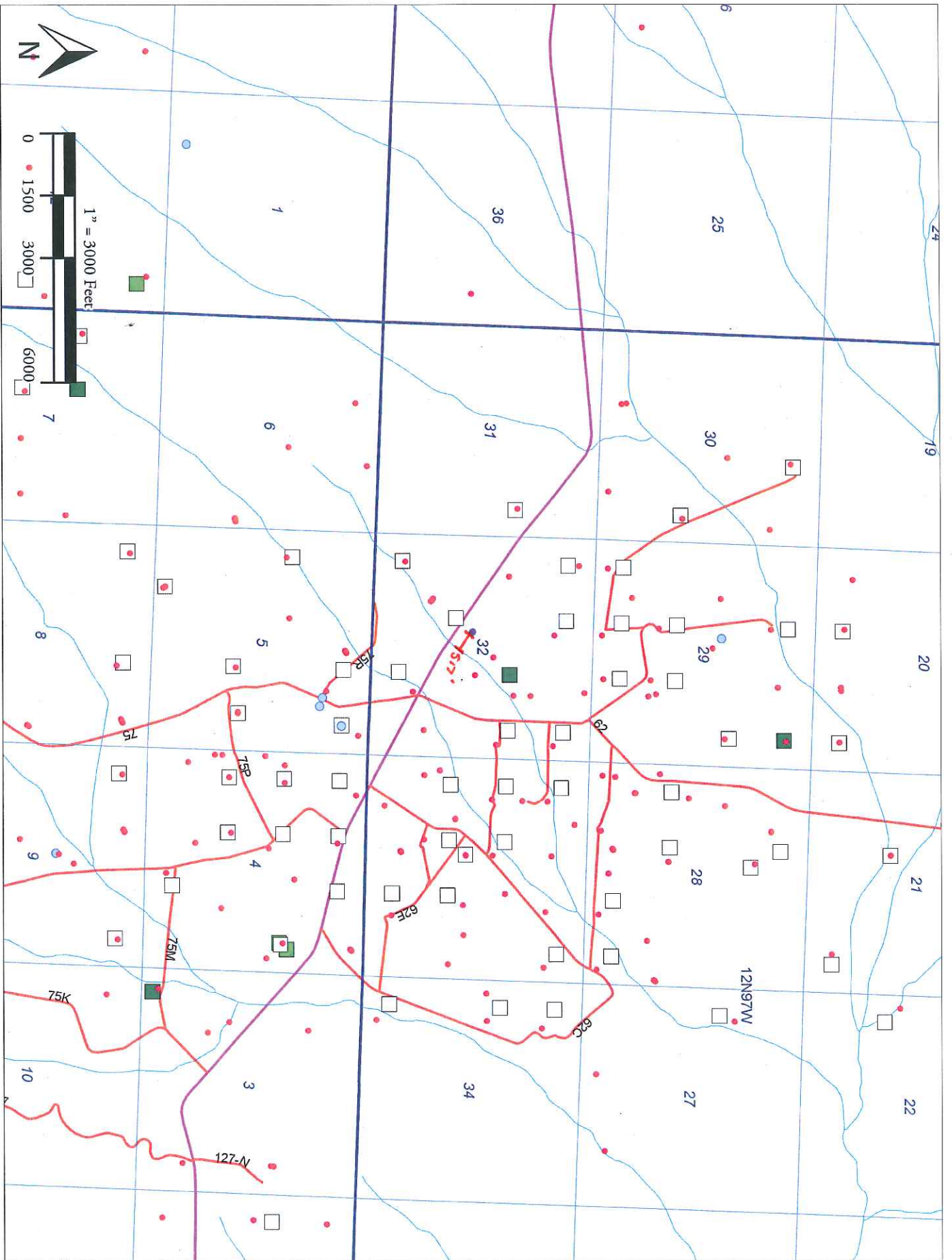


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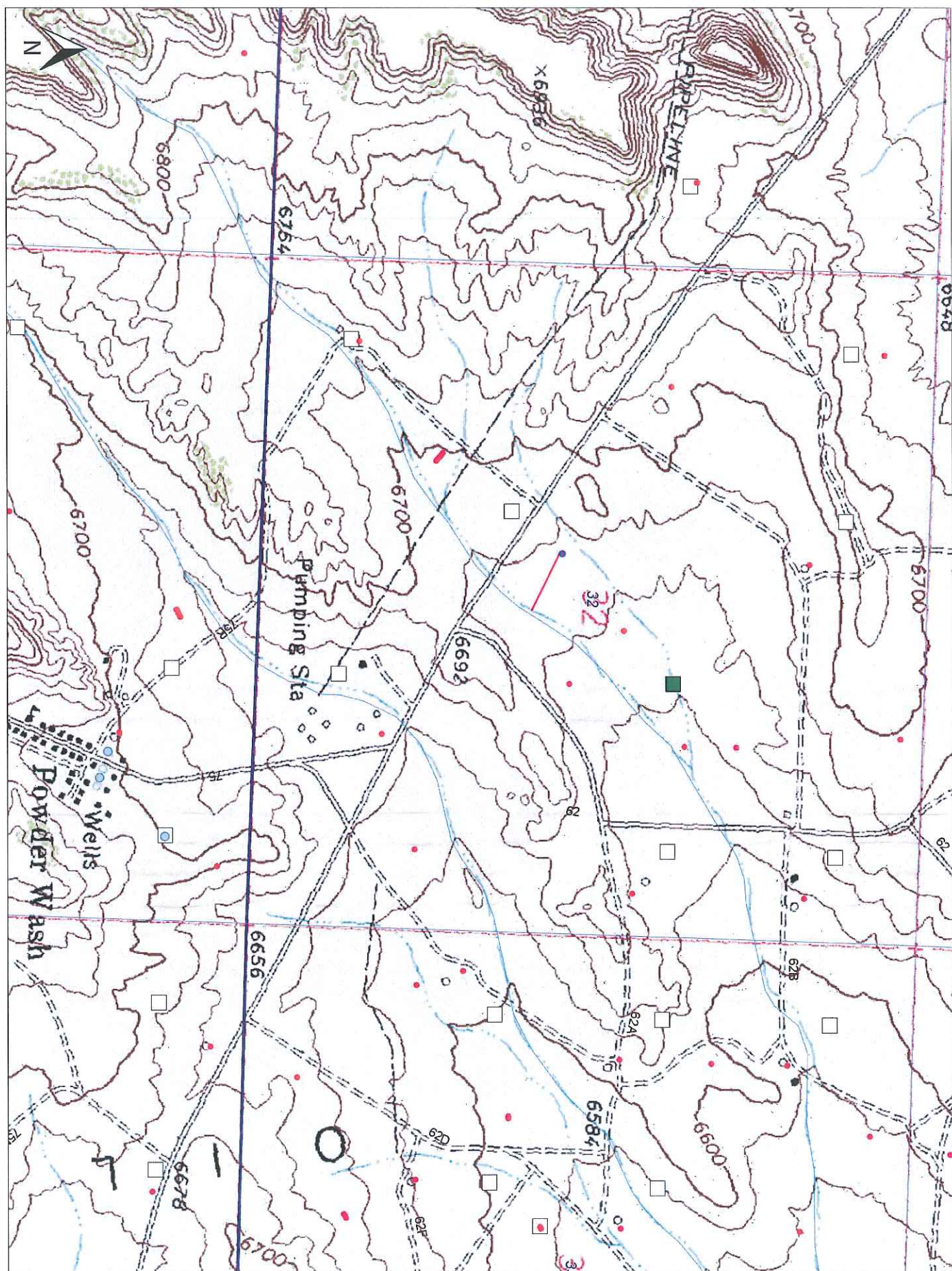
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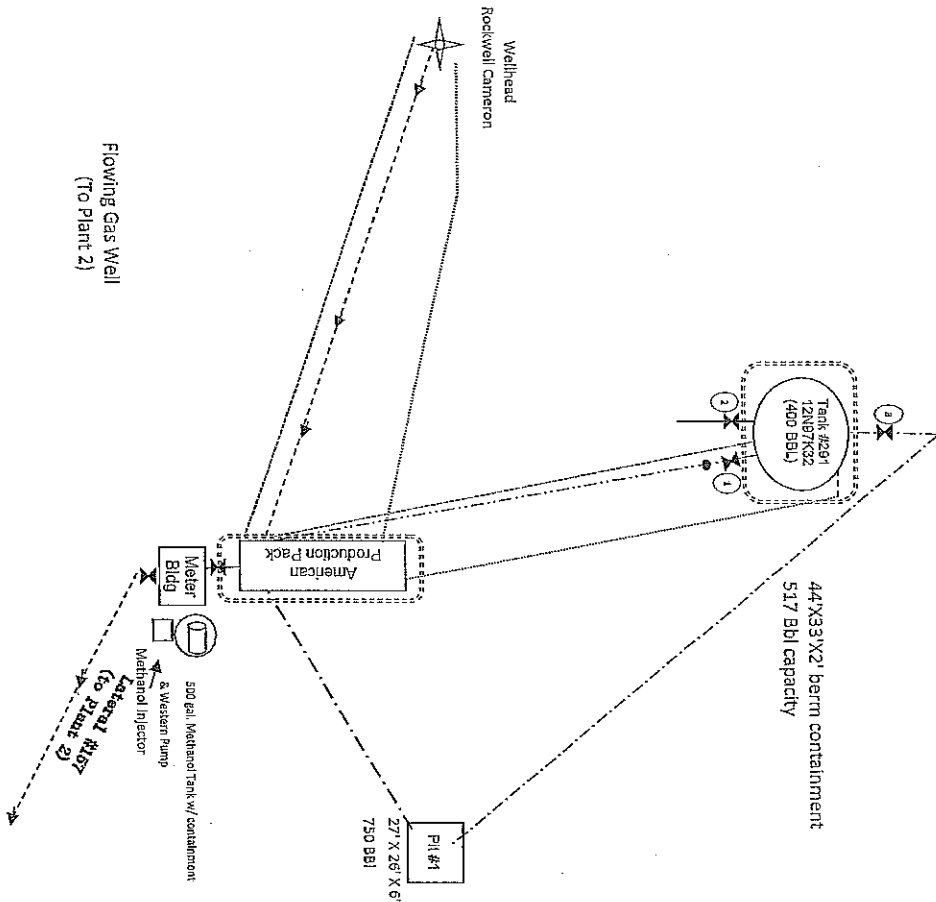
(307) 742-7995  
Fax: (307) 721-8956







<b>WEPRO COMPANY</b> P.O. BOX 458 ROCK SPRINGS, WY 82902		This site facility diagram is part of the "Powder Wash Field" Plan. The site security Plan may be reviewed at the Wexpro Company, "Powder Wash Field office, Powder Wash Camp, Craig, CO", Monday through Friday, 8:00 a.m. to 4:00 p.m.		Updated 8/31/09 11/17/11 8/21/12	
Call Allen # 8 NE SW Sec 32-42-97 Lease # D-038679-4 Unit # COC47671X Moffat County, Colorado Wexpro Company Operator		<b>TANK # 291 LEGEND</b>		Legend	
Valve # 1		Prod.		Sales	
Valve # 2		Open		Closed	
Valve # 3		Open only to drain water		Open	
Latitude: 40.57355		Longitude: 108.19023		API # 0508105474	





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
COD038678A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
892000310A

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
CARL ALLEN A 82. Name of Operator  
WEXPRO COMPANYContact: TAMMY FREDRICKSON  
E-Mail: Tammy.Fredrickson@Questar.com9. API Well No.  
05-081-05474-00-S13a. Address  
2221 WESTGATE DRIVE  
ROCK SPRINGS, WY 829023b. Phone No. (include area code)  
Ph: 307-352-7514  
Fx: 307-352-757510. Field and Pool, or Exploratory  
POWDER WASH

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 32 T12N R97W NESW 2310FSL 2310FWL

11. County or Parish, and State  
MOFFAT COUNTY, CO**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached please find soil analysis on the existing production pit. TPH/GRO levels are above the COGCC guidelines. The pit will be treated with Enviro Clean, and Gator; soil will be stirred and allowed to air. Soil testing will be completed again later in the year.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #213046 verified by the BLM Well Information System  
For WEXPRO COMPANY, sent to the Craig  
Committed to AFMSS for processing by BONNIE HICKEY on 07/10/2013 (13BJH0310SE)

Name (Printed/Typed) JIMMY L DRUCE

Title OPERATIONS MANAGER

Signature (Electronic Submission)

Date 07/10/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By TIMOTHY J. WILSON

Title ASSOCIATE FIELD MANAGER

Date 07/18/2013

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Craig

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***