

# Hiawatha Field Area General Information

- The wells not drilled by Whiting Oil and Gas Corporation (WOGC) but operated by WOGC until January of 2016 in this field have had multiple operators prior to WOGC. Therefore WOGC does not have a complete file of every document that was formulated or filed for these wells in the past.
- Based on a review of the files at COGCC and BLM there is very little in the files of the agencies either. It is uncertain why the records are so poor, but the multiplicity of operators and the multiple offices of USGS and later BLM that at various times had oversight responsibility for these wells is probably a contributing factor
- This area was under the jurisdiction of three different WOGC Foreman, several engineers and three different production offices were involved in its operation which no doubt contributed to the poor records.

# Lion Government 22-36

- This site is on federal surface and minerals
- The reserve pit that once existed at the Lion Government 22-36, API 05-081-07212, was permitted by WOGC in September 2004 and approved by COGCC in November 2004 as Pit Permit No. 274515 as part of the APD process. It was a 125' X 75' X 10' plastic lined reserve pit for holding drill cuttings. This is in accordance with the APD approved for the well. A copy of this COGCC permit is attached.
- The reserve pit existed at the time the well was spudded in July 2005.
- A sundry indicating the pit was backfilled and top soil spread was filed with BLM in March of 2007. It was accepted for the record by BLM in April 2007. (Copy attached)
- A Google Earth image from August 2006 shows the pit is present. An image from October 2011 shows the reserve pit covered and considerable vegetation established on the site.

# Lion Government 22-36

- A State inspection 7-30-2012 indicated interim reclamation was satisfactory. The prior inspection in 2-10-11 also indicated the inspection was satisfactory.
- A sundry dated 10-25-07 is in WOGC's files indicating the COGCC was notified that final reclamation was complete and the site was ready for inspection. This filing was approved by COGCC 4-15-08. (Copy attached)
- A sundry notifying BLM of pit closing is in file is in WOGC's files dated March 2007. It was accepted for the record by BLM in April 2007. It indicates seeding would occur in the fall. (Copy attached)
- A sundry notifying BLM of seeding being completed was sent to BLM in October 2007 and BLM accepted the information for the record in November 2007. (Copy attached)
- Subsequent inspections by BLM and COGCC do not indicate any deficiencies in regard to reclamation.
- WOGC believes all the appropriate documents appropriate to the pit in question have been submitted. If any additional filings are required please advise us.

# Future Lion Government 22-36 Site 11-2004



# Lion Government 22-36 8-2006





# Lion Government 22-36 10-2011



## State of Colorado

## Oil and Gas Conservation Commission

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



RECEIVED

SEP 29 2004

COGCC

## EARTHEN PIT REPORT/PERMIT

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

Complete the  
Attachment Checklist

Oper OGCC

## FORM SUBMITTED FOR:

☐ Pit Report☒ Pit Permit

OGCC Operator Number: 96155

Name of Operator: Whiting Oil &amp; Gas Corporation

Address: 291 Daffodil

City: Casper State: WY Zip: 82604

Contact Name and Telephone:

Michael L. Brown

No: 307-237-9310

Fax: 307-237-9310

Detailed Site Plan		
Topo Map w/ Pit Location	✓	
Water Analysis (Form 25)		
Source Wells (Form 26)		
Pit Design/Plan & Cross Sect		
Design Calculations		
Sensitive Area Determ.		
Mud Program	✓	
Form 2A		

API Number (of associated well): 05-081-07212 OGCC Facility ID (of other associated facility): Lion Government #22-36

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SE NW Section 36, T12N, R101W, 6th P.M.

Latitude: 40.958908

Longitude: 108.699319

County: Moffat

Pit Use: ☐ Production ☒ Drilling (Attach mud program) ☐ Special Purpose (Describe Use):Pit Type: ☒ Lines ☐ Unlined Surface Discharge Permit: ☐ Yes ☒ NoOffsite disposal of pit contents: ☐ Injection ☐ Commercial Pit/Facility Name: LION GOVT. Pit/Facility No: 22-36

Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results.

## Existing Site Conditions

Is the location in a "Sensitive Area?" ☐ Yes ☒ No Attach data used for determination.

Distance (in feet) to nearest surface water: &gt; 1 mile ground water: water wells: &gt; 1 mile

LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:

Crop Land: ☐ Irrigated ☐ Dry Land ☐ Improved Pasture ☐ Hay Meadow ☐ CRPNon-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe):Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

SOILS (or attach copy of Form 2A if previously submitted for associated well)

Soil map units from USNRCS survey: Sheet No: Soil Complex/Series No:

Soils Series Name: Horizon thickness (in inches): A: ; B: ; C:

Soils Series Name: Horizon thickness (in inches): A: ; B: ; C:

Attach detailed site plan and topo map with pit location.

## Pit Design and Construction

Size of pit (feet): Length: 125' Width: 75' Depth: 10'

Calculated pit volume (bbls): 8,760 Daily inflow rate (bbls/day):

Daily disposal rates (attach calculations): Evaporation: bbls/day Percolation: bbls/day

Type of liner material: Polyethylene Thickness: 9-mil

Attach description of proposed design and construction (include sketches and calculations).

Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): Separator

Is pit fenced? ☒ Yes ☐ No Is pit netted? ☐ Yes ☒ No

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

Print Name: Michael L. Brown

Signed: Michael L. Brown

Title: Agent

Date: 9/27/04

OGCC Approved: [Signature]

Title: EPS

Date: 11/2/04

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 274515



01417058

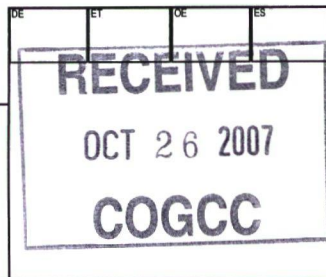


FORM  
4  
Rev 12/05

State of Colorado

## Oil and Gas Conservation Commission

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



## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: <u>96155</u>	4. Contact Name <u>Pauleen Tobin</u>	Complete the Attachment Checklist  OP OGCC
2. Name of Operator: <u>Whiting Oil and Gas Corporation</u>	Phone: <u>303-837-1661</u>	
3. Address: <u>1700 Broadway, Suite 2300</u> City: <u>Denver</u> State: <u>CO</u> Zip: <u>80290</u>	Fax: <u>303-390-5580</u>	
5. API Number <u>05-081-07212</u>	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: <u>Lion Government</u>	7. Well/Facility Number <u>22-36</u>	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): <u>SENW Sec 36-T12N-R101W</u>		Surface Eqmpt Diagram
9. County: <u>Moffat</u>	10. Field Name: <u>Hiawatha West</u>	Technical Info Page
11. Federal, Indian or State Lease Number: <u>COD053178</u>		Other

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	
Change of <b>Surface</b> Footage from Exterior Section Lines: <input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL Change of <b>Surface</b> Footage to Exterior Section Lines: <input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL Change of <b>Bottomhole</b> Footage from Exterior Section Lines: <input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL Change of <b>Bottomhole</b> Footage to Exterior Section Lines: <input type="checkbox"/> FNL/FSL <input type="checkbox"/> FEL/FWL attach directional survey	Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer <input type="checkbox"/> Latitude <input type="checkbox"/> Distance to nearest property line <input type="checkbox"/> Distance to nearest bldg, public rd, utility or RR <input type="checkbox"/> Longitude <input type="checkbox"/> Distance to nearest lease line <input type="checkbox"/> Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/> Ground Elevation <input type="checkbox"/> Distance to nearest well same formation <input type="checkbox"/> Surface owner consultation date: <input type="checkbox"/>
GPS DATA: Date of Measurement <input type="checkbox"/> PDOP Reading <input type="checkbox"/> Instrument Operator's Name <input type="checkbox"/>	
<input type="checkbox"/> CHANGE SPACING UNIT Formation <input type="checkbox"/> Formation Code <input type="checkbox"/> Spacing order number <input type="checkbox"/> Unit Acreage <input type="checkbox"/> Unit configuration <input type="checkbox"/>	<input type="checkbox"/> Remove from surface bond Signed surface use agreement attached <input type="checkbox"/>
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): Effective Date: <input type="checkbox"/> Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	<input type="checkbox"/> CHANGE WELL NAME From: <input type="checkbox"/> NUMBER <input type="checkbox"/> To: <input type="checkbox"/> Effective Date: <input type="checkbox"/>
<input type="checkbox"/> ABANDONED LOCATION: Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Ready for Inspection: <input type="checkbox"/>	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned: <input type="checkbox"/> Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No MIT required if shut in longer than two years. Date of last MIT <input type="checkbox"/>
<input type="checkbox"/> SPUD DATE: <input type="checkbox"/>	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbl and cement job summaries Method used <input type="checkbox"/> Cementing tool setting/perf depth <input type="checkbox"/> Cement volume <input type="checkbox"/> Cement top <input type="checkbox"/> Cement bottom <input type="checkbox"/> Date <input type="checkbox"/>	
<input checked="" type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004. Final reclamation will commence on approximately <input type="checkbox"/> <input checked="" type="checkbox"/> Final reclamation is completed and site is ready for inspection.	

## Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent Approximate Start Date: <input type="checkbox"/>	<input type="checkbox"/> Report of Work Done Date Work Completed: <input type="checkbox"/>
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)	
<input type="checkbox"/> Intent to Recomplete (submit form 2) <input type="checkbox"/> Change Drilling Plans <input type="checkbox"/> Gross Interval Changed? <input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Request to Vent or Flare <input type="checkbox"/> Repair Well <input type="checkbox"/> Rule 502 variance requested <input type="checkbox"/> Other: <input type="checkbox"/>
<input type="checkbox"/> E&P Waste Disposal <input type="checkbox"/> Beneficial Reuse of E&P Waste <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

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

Signed: Pauleen Tobin Date: 10/25/07 Email: pollyt@whiting.com  
 Print Name: Pauleen Tobin Title: Engineer Tech

COGCC Approved: David & Neshin Title: PT II Date: 4/15/07  
 CONDITIONS OF APPROVAL, IF ANY: ☐



TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

RECEIVED  
OCT 26 2007  
COGCC

1. OGCC Operator Number: 96155 API Number: 05-081-07212
2. Name of Operator: Whiting Oil and Gas Corporation OGCC Facility ID #
3. Well/Facility Name: Lion Government Well/Facility Number: 22-36
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SENW Sec 36-T12N-R101W

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

Final seeding and reclamation was completed 09/19/07. Seed mix was Shadscale Saltbush, Sandberg Bluegrass, Indian Ricegrass, Squirreltail and Galleta Grass. Hired company was SIREH Production Company out of Rock Springs, WY.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**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.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**Whiting Oil & Gas Corporation**

3a. Address  
**1700 Broadway Suite 2300, Denver CO 80290**

3b. Phone No. (include area code)  
**303-390-4948**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1850 FNL 1868 FWL SENW Sec 36-T12N-R101W**

5. Lease Serial No.  
**COD053178**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**Lion Government 22-36**

9. API Well No.  
**05-081-07212**

10. Field and Pool, or Exploratory Area  
**Hiawatha West**

11. County or Parish, State  
**Moffat, Colorado**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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.)

The reserve pit has been backfilled with top soil included. Seeding will take place during the Summer or Fall of 2007. A final reclamation sundry will be submitted upon review of the location by BLM personnel.

ACCEPTED FOR THE RECORD

APR 20 2007

LITTLE SNAKE FIELD OFFICE

By Stucky

2007 MAR 19 PM 1:41

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Peggy J Goss**

Title **Engineering Tech**

Signature

Peggy J Goss

Date

**03/15/2007**

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

Approved by

Title

Date

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

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.

(Instructions on page 2)

WELL COPY

☒ PE 22  
☒ GEO LEAO  
☒ NRS 2  
☐ OTHER  
AFMSS: IN ☒ OUT ☐



RECEIVED  
BLM LITTLE SNAKE FIELD  
CRAIG, COLORADO 81625  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

2007 OCT 29 PM 12:30

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on page 2.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Whiting Oil and Gas Corporation

3a. Address  
1700 Broadway, Suite 2300  
Denver, CO 80290

3b. Phone No. (include area code)  
303-837-1661

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Lat. 40.958746  
1850 1868 SE NW Sec 36 T 12N R 101W Long. 108.699379  
FNL FWL

5. Lease Serial No.  
COD053178

6. If Indian, Allottee, or Tribe Name

7. If Unit or CA. Agreement Name and/or No.

8. Well Name and No.

Lion Government 22-36

9. API Well No.

05-081-07212

10. Field and Pool, or Exploratory Area

Hiawatha West

11. County or Parish, State

Moffat CO

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input checked="" type="checkbox"/> Subsequent Report	<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"/> Final Abandonment Notice	<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 or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Final seeding and reclamation was completed 09/19/07. Seed mix was Shadscale Saltbush, Sandberg Bluegrass, Indian Ricegrass, Squirreltail and Galleta Grass. Hired company was SIREH Production Company out of Rock Springs, WY.

**ACCEPTED FOR THE RECORD**

NOV 23 2007

LITTLE SNAKE FIELD OFFICE

By B. Hickey  
/s/ Bonnie J. Hickey  
LAND LAW EXAMINER

14. I hereby certify that the foregoing is true and correct.  
Name (Printed/ Typed)

Pauleen Tobin

Signature

Title

Engineer Tech

Date

10/25/2007

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

Approved by

Title

Date

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.

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.