

# 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 41-36

- This site is on federal surface and minerals
- The reserve pit that once existed at the Lion Government 41-36, API 05-081-07211, was permitted by WOGC in September 2004 and approved by COGCC in November 2004 as Pit Permit No. 274514 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 August 2005. The well was completed in late February 2006.
- 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 9-2006 shows the pit is present. An image from October 2011 shows the reserve pit covered and considerable vegetation established on the site.

# Lion Government 41-36

- 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)
- 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 4-16-08. (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 41-36 Site 11-2004



# Lion Government 41-36 9-2006



# Lion Government 41-36 10-2011



# Lion Government 41-36 10-2013



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

Attachment Checklist table with rows: 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.

OGCC Operator Number: 96155 Name of Operator: Whiting Oil & 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

API Number (of associated well): 05-081-07211 OGCC Facility ID (of other associated facility): Lion Government #41-36

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

Latitude: 40.962147 Longitude: 108.690028 County: Moffat

Pit Use: Production Drilling (Attach mud program) Special Purpose (Describe Use):

Pit Type: Lines Unlined Surface Discharge Permit: Yes No

Offsite disposal of pit contents: Injection Commercial Pit/Facility Name: LION GOVT Pit/Facility No: 41-36

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: 2100' ground water: water wells: > 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 CRP Non-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 treaters, other): Seperator

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

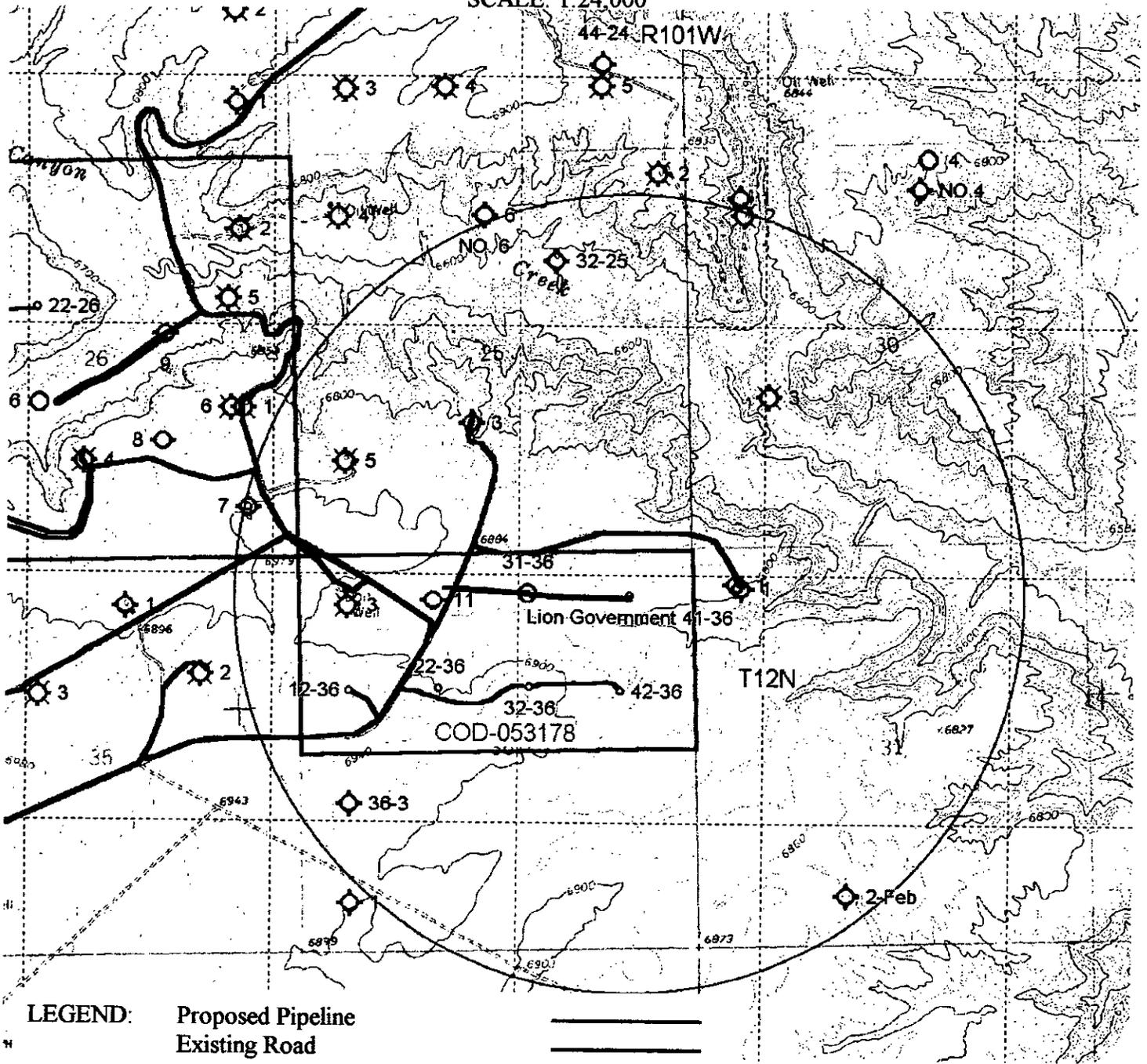
CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 274514



# EXHIBIT B TOPOGRAPHIC LOCATION MAP

SCALE: 1:24 000



- LEGEND:**
- Proposed Pipeline
  - Existing Road
  - Proposed Road
  - Lease Boundary (COD-053178)
  - Existing Plugged and Abandoned Well
  - Existing Producing Wells
  - Existing Temporarily Abandoned Wells
  - Existing Shut-In Wells
  - Proposed Wells

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)  
**660 FNL 850 FWL NENE 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 41-36**

9. API Well No.  
**05-081-07211**

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 recomplete 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 recompletion 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 SNARE FIELD OFFICE

BY Bolucky

*IR, not final*

BLM LITTLE SNARE FIELD OFFICE  
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 AC 321  
 GFO LEAD 1215  
 NRS2 SW 1022 pm  
 OTHER  
 AFMSS: IN  OUT

UNITED STATES

RECEIVED  
BLM LITTLE SNAKE FIELD  
CRAIG, COLORADO 81625

DEPARTMENT OF THE INTERIOR  
LAND MANAGEMENT

2007 OCT 29 PM 12:32  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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

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 41-36

9. API Well No.

05-081-07211

10. Field and Pool, or Exploratory Area

Hiawatha West

11. County or Parish, State

Moffat CO

**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. 40.962006  
660 850 NE NE Sec 36 T 12N R 101W Long. 108.703039  
FNL FEL

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering 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 recomplete 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 recompletion 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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Final seeding and reclamation was completed 09/20/07. 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 Bonnie J. Hickey

/s/ Bonnie J. Hickey  
LAND LAW ENFORCEMENT

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

Name (Printed/ Typed)

Pauleen Tobin

Title

Engineer Tech

Signature

Pauleen Tobin

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.

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



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.)

Form with fields: 1. OGCC Operator Number: 96155, 2. Name of Operator: Whiting Oil and Gas Corporation, 3. Address: 1700 Broadway, Suite 2300, 4. Contact Name: Pauleen Tobin, 5. API Number: 05-081-07211, 6. Well/Facility Name: Lion Government, 7. Well/Facility Number: 41-36, 8. Location: NENE Sec 36-T12N-R101W, 9. County: Moffat, 10. Field Name: Hiawatha West, 11. Federal, Indian or State Lease Number: COD053178

General Notice

General Notice section with checkboxes for: CHANGE OF LOCATION, CHANGE SPACING UNIT, CHANGE OF OPERATOR, CHANGE WELL NAME, ABANDONED LOCATION, NOTICE OF CONTINUED SHUT IN STATUS, SPUD DATE, REQUEST FOR CONFIDENTIAL STATUS, SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK, and RECLAMATION.

Technical Engineering/Environmental Notice

Technical Engineering/Environmental Notice section with checkboxes for: Notice of Intent, Report of Work Done, Intent to Recomplete, Request to Vent or Flare, E&P Waste Disposal, Change Drilling Plans, Repair Well, Beneficial Reuse of E&P Waste, Gross Interval Changed?, Rule 502 variance requested, Status Update/Change of Remediation Plans, Casing/Cementing Program Change, Other, and 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

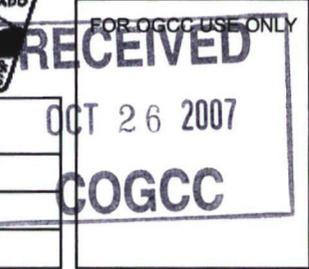
COGCC Approved: David S. Nashin, Title: [Signature], Date: 4-16-08

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY



- 1. OGCC Operator Number: 96155 API Number: 05-081-07211
- 2. Name of Operator: Whiting Oil and Gas Corporation OGCC Facility ID # \_\_\_\_\_
- 3. Well/Facility Name: Lion Government Well/Facility Number: 41-36
- 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE 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**

*Interim*

Final seeding and reclamation was completed 09/20/07. Seed mix was Shadscale Saltbush, Sandberg Bluegrass, Indian Ricegrass, Squirreltail and Galleta Grass. Hired company was SIREH Production Company out of Rock Springs, WY.