

# 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 34-26

- This site is on federal surface and minerals
- The reserve pit that once existed at the Lion Government 34-26, API 05-081-07274, was permitted by WOGC in December 2005 and approved by COGCC in February 2006 as Pit Permit No. 283075 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 September 2006.
- The exact date the reserve pit was covered is unknown. In a Google Earth image from late 2006 the pit is present. The image is dated September 2006, however it is likely from later in the year as no rig is in evidence in the picture. The next image from October 2011 shows the reserve pit covered and vegetation well established on the site.

# Lion Government 34-26

- It takes at least two years for vegetation to establish in ideal conditions in this area based on review of the prior reclamation efforts in the area so it seems probable the site was reclaimed no later than 2008. This would be consistent with dates the other pits in the area of similar vintage were covered.
- There is not a copy of a sundry notifying COGCC of pit closing in the WOGC file and there is not one in the BLM or COGCC files reviewed.
- A State inspection 7-30-2012 indicated interim reclamation was satisfactory so the state was clearly aware of the closures. The prior inspection in 2-10-11 also indicated the inspection was satisfactory.

# Lion Government 34-26

- There is not a copy of a sundry notifying BLM of pit closing in the WOGC file, the BLM file or the COGCC file reviewed. It is probable this was done with a verbal approval and the follow-up mailing of a sundry did not occur.
- WOGC is submitting a retroactive filing with COGCC showing the filling and reclamation of the pit with the referenced attachments. This filing will reflect a reclamation date of June 2008 unless we can find better information before it is filed.

## Future Lion Government 34-26 Site – Early 2006



# Lion Government 34-26 – Late 2006





# Lion Government 34-26 10-2011



FORM

15

Rev 6/99

## State of Colorado

## Oil and Gas Conservation Commission

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



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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

## 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

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

API Number (of associated well): 05-081-07274 OGCC Facility ID (of other associated facility): Lion Government 34-26

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SW/4 SE/4 Section 26, T12N-R101W, 6th PM

Latitude: 40.965880

Longitude: 108.713238

County: Moffat

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

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;1mile ground water: water wells: &gt;1mile

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 form 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): 11,755 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: Dec 19, 2005

OGCC Approved:

Title: EPS

Date: 2/8/06

CONDITIONS OF APPROVAL, IF ANY: Confirm w/  
900 SERIES RULES FOR PIT CLOSURE.

FACILITY NUMBER: 283075