

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 7

- This site is on federal surface and minerals
- The reserve pit that once existed at the Lion Government 7, API 05-081-07133, was permitted in 2003 by COGCC as Pit Permit No. 268590. 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 API number associated with this facility number is the same as that for the Lion Government No. 7
- This pit was covered sometime before October 12, 2004 . This was reported to the BLM in October 2004 on the sundry attached. It does not appear the COGCC received a copy or separate filing.

Lion Government 7

- The pit was covered and reclaimed by November 2004. The Google Earth image that follows, though taken at night, shows restoration plowing consistent with seeding and reclamation actions
- The October 2005 Google Earth image, though poor, shows the seeding was successful and vegetation is starting to be established at the site.
- The April 2014 Google Earth image shows the seeding was successful and vegetation is firmly established at the site.
- WOGC is submitting a retroactive filing to COGCC showing the reclamation of the pit with the referenced attachments.

Lion Government 7 – November 2004



Lion Government 7 – October 2005



Reserve Pit
Covered And Planted
Vegetation Starting To Grow

Lion Government 7

Lion Government 7 – April 2014



Reserve Pit
Covered And
Vegetation Established

63

Lion Government 7

4/2014

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)894-2109

FOR OGCC USE ONLY
RECEIVED
JUN 23 03
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

Oper OGCC

OGCC Operator Number: 27760
Name of Operator: Ensign Operating Co. c/o H&B Petroleum
Address: Consultants 291 Daffodil
City: Casper State: WY Zip: 82604

Contact Name and Telephone:
Larry D. Brown
No: 307-237-9310
Fax: 307-237-9310

Detailed Site Plan	
Topo Map w/ Pit Location	✓
Water Analysis (Form 25)	
Source Wells (Form 28)	
Pit Design/Plan & Cross Sect	
Design Calculations	
Sensitive Area Determ.	
Mud Program	✓
Form 2A	

API Number (of associated well): _____ OGCC Facility ID (of other associated facility): Lion Government #7
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SE SE Section 26, T12N, R101W, 6th P.M.
Latitude: 40.9658 Longitude: 108.708472 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: _____ 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: 3000 ft 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 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): 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): 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: Larry D. Brown Signed: Larry D. Brown
Title: Agent Date: June 17, 2003
OGCC Approved: [Signature] Title: EPS Date: 7/10/03

CONDITIONS OF APPROVAL, IF ANY: **FACILITY NUMBER: 268590**

SEE ATTACHED LETTER



July 10, 2003

**ENSIGN OPERATING COMPANY
LION GOVERNMENT No. 7
SESE SECTION 26, T12N, R101W, 6th PM
LINED DRILLING PIT PERMIT APPROVAL
CONDITION OF APPROVAL**

- 1. Please refer to this pit by facility (pit) number 268590 on all future correspondence.**
- 2. A form 27 must be submitted when this pit is closed and reclaimed.**
- 3. If the pit liner is removed, it must be disposed in accordance with COGCC Rule 905.b.(3).A.**
- 4. Submit manifest or other paperwork that documents the disposal of the liner.**

