

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.

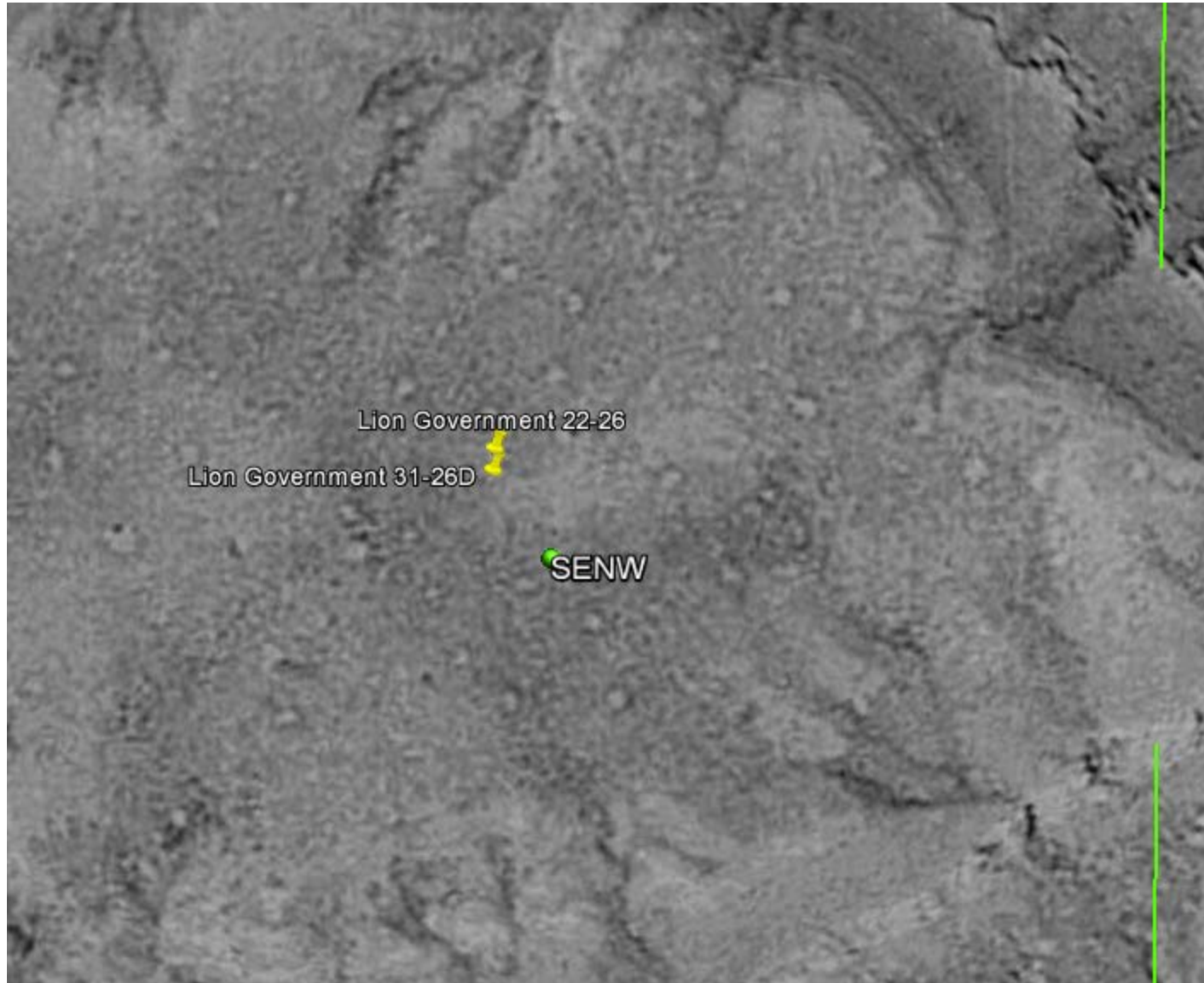
Lion Government 22-26 & 31-26D

- This site is on federal surface and minerals
- There are two wells on the site, Lion Government 22-26, API 05-081-07210 and Lion Government 31-26D, API 05-081-07266.
- A reserve pit for the Lion Government 22-26, API 05-081- 07210, was permitted by WOGC in September 2004 and approved by COGCC as Pit Permit No. 274513 in November 2004 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 Lion Government 22-26, API 05-081- 07210 spudded in September 2005 and was complete by mid January 2006
- A reserve pit for the Lion Government 31-26D, API 05-081- 07266, was permitted by WOGC in November 2005 and approved by COGCC in February 2006 as Pit Permit No. 283441 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 Lion Government 31-26D, API 05-081- 07266 spudded in September 2006 and was complete by mid January 2006 by late February 2007

Lion Government 22-26 & 31-26D

- Google imagery from 9-2006 (actually probably very early October 06) after both wells were drilled shows only one reserve pit on the site. It looks like they used a single reserve pit, probably the 22-26 pit, Pit Permit No. 274513, to hold the cuttings from both wells. Therefore Pit Permit No. 283441 and Pit Permit No. 274513 represent a single constructed pit that served two wells Lion Government 22-26, API 05-081-07210 and Lion Government 31-26D, API 05-081-07266.
- The reserve pit was covered sometime before April of 2008 based on based on the following BLM inspection report which was likely triggered by a pit closure sundry. However there are no copies of this in our records or those of the BLM for either well or in WOGC's files for either well.
- There is no record of a filing regarding the pit reclamation with COGCC in either file
- The covering was inspected by BLM in April 2008 and again in May 2015 (Copies of both attached). In 2015, BLM judged the reclamation of the site and the revegetation as adequate
- WOGC is submitting a retroactive filing with COGCC showing the filling and reclamation of the pit serving both wells with the referenced attachments. We will identify the pit by both pit numbers in both filings explaining they are the same pit

Future Lion Government 22-26 and 31-26D Site – 9-2006



Lion Government 22-26 & 31-26D – Labeled 9-2006

Probably early October 06 – No Rig In Evidence



Lion Government 22-26 and 31-26D Site – 10-2011



Lion Government 22-26 and 31-26D Site – 10-2013





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FORM

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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



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FOR OFFICE USE ONLY

DEC 05 2005

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

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 Determin.		
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): 05-081-07266 OGCC Facility ID (of other associated facility): Lion Government 31-26D

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

Latitude: 40.973205 Longitude: 108.718451 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: >1mile ground water: water wells: >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 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): 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: Nov 30, 2005

OGCC Approved: [Signature]

Title: EPS

Date: 2/24/06

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER: 283441

COMPLY WITH ALL 900 SERIES
RULES WITH REGARDS TO PIT
CLOSURE.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SURFACE INSPECTION FORM

Well Name: LION GOVERNMENT		Well #: 22-26		API #: 050810721000S1		Well Status: PGW	
Footage: 1900FNL 1900FWL	Alliquot: SEW	Lot/Tract:	Section: 26	Twship/Lat: 12N (40.95660)	Rng/Long: 101W (108.71834)	County: MOFFAT	State: CO
Case: COD053178	Facility ID:			Associated Rights of Way: COC67455 -ROW - ROW - ROADS			
Lease: COD053178	H2S Date:		H2S Gas Stream:		H2S Vapors:		H2S Radius:
Hazard: No							
SME: BUREAU OF LAND MANAGEMENT		Operator Name: WHITING OIL & GAS CORPORATION					
Please be sure to complete for inspection							
Inspector: <i>S. Wiser</i>		Company/SME Rep: <i>Mike Staab</i>				Phone #: <i>307.299.0095</i>	
Date: <i>03.25.08</i>	Type: <i>ES</i>	Activity: <i>SP</i>	Office: <i>0.5</i>	Travel: <i>1.0</i>	Insp: <i>0.5</i>		
General Remarks:							

Some tanks and trash were left on the site after interim reclamation. Also, soil sample bags were left near tank berm. Called and left message w/ Mike Staab of Whiting requesting the site be cleaned up.

Author: SHAWNA WISER

Date: 04/02/2008

Follow-up Requirements: (circle any that apply) NONE VERBAL LETTER INC NOTIFY PET

Follow-up Remarks:

PET called Mike Staab 4/4/08. He reconfirmed cleanup will be done by field pumperv Keith/Paukey by 4/7/08

Bob *He*
Rog *Am*
Jury *JS*

CORRECT PROBLEM BY: NEXT INSPECTION:

Lion Government Well #22-26 of Whiting O & G
COD053178, SENW Sec. 26, T12N, R101W
03/25/08



Trash needs to be removed.



Recontouring looks good.

Lion Government Well #22-26 of Whiting O & G
COD053178, SENW Sec. 26, T12N, R101W
03/25/08



Soil sample bags were left near containment berm.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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Well Name: LION GOVERNMENT		Well #: 22-26		API #: 050810721000S1		Well Status: PGW	
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Case: COD053178	Facility ID:			Associated Rights of Way: COC67455 -ROW - ROW - ROADS			
Lease: COD053178	H2S Date:		H2S Gas Stream:		H2S Vapors:		H2S Radius:
Hazard: No							
SME: BUREAU OF LAND MANAGEMENT		Operator Name: WHITING OIL & GAS CORPORATION					
Please be sure to complete for inspection							
Inspector:		Company/SME Rep:				Phone #:	
Date:	Type:	Activity:	Office:	Travel:	Insp:		

General Remarks:

On 13 May 2015, Tracy Perfors, NRS, inspected the site of Lion's Government 22-26 and 31-26D, on the same well pad. Also on the inspection were Ryan Snyder, BLM NRS, and Shane Heavin, Whiting Operations Supervisor. Information on signs are adequate. Facilities are near the well entrance to maximize interim reclamation. No rock surfacing is visible, recontouring is adequate, no topsoil piles remain. No fences on location. Interim reclamation goes to the rig anchors, but is not coming in well. Lots of halogeton and bare ground. They do have a current PUP. There is no sign of pits and ponds, and general housekeeping is good. Each well has a chemical tank with secondary containment. Both show leaks from the main tank, and 31-26D shows evidence of leaks in the secondary containment. There is one 300 BBL produced water tank and one 300 BBL oil tank on location, in adequate size metal-sided (and lined, from what I could tell under the rock cover) berm. Each well also has a separator in a dirt berm, and a metering house. There is one 500 gallon methanol tank on the well pad, with a metal secondary containment. Paint job is OK but starting to get little rust spots. There is wire netting over the containment, but it should be tightened more (there are holes birds could get into). Operator has submitted plans to upgrade stormwater features and re-seed interim reclamation. I also asked the operator during the inspection to fix the smaller chemical tanks and remove contaminated dirt - he says they are replacing those tanks and using a different company. I also asked them to tighten the wire netting on the methanol containment.

Author: TRACY PERFORS

Date: 05/29/2015

Follow-up Requirements: (circle any that apply)	NONE	VERBAL	LETTER	INC	NOTIFY PET
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Follow-up Remarks:

Received photo documentation from Whiting that inspection concerns were fixed - chem tanks have been replaced, and netting tightened down.

Author: TRACY PERFORS

Date: 06/09/2015

CORRECT PROBLEM BY:	NEXT INSPECTION:
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Photo documentation from Whiting that inspection concerns were fixed.

