

State of Colorado Oil and Gas Conservation Commission

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



Handwritten initials

SUNDRY NOTICE

RECEIVED DEC 01 2008 COGCC/Rifle Office

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: 96155
2. Name of Operator: Whiting Oil and Gas Corporation
3. Address: 1700 Broadway, Suite 2300
City: Denver State: CO Zip 80290-2300
4. Contact Name: Scott M. Webb
Phone: 303-390-4095
Fax: 303-390-4096
5. API Number 05- 103-11178 OGCC Facility ID Number
6. Well/Facility Name: Federal 397 7. Well/Facility Number 3K-K3
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NESW Section 3-T3S-R97W, 6th PM
9. County: Rio Blanco 10. Field Name: Sulphur Creek 80090
11. Federal, Indian or State Lease Number: COC-14302

Complete the Attachment Checklist

OP OGCC

Table with 2 columns: Survey Plat, Directional Survey, Surface Eqpm Diagram, Technical Info Page, Other. Rows include XX marks for Technical Info Page and Other.

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)
Change of Surface Footage from Exterior Section Lines:
Change of Surface Footage to Exterior Section Lines:
Change of Bottomhole Footage from Exterior Section Lines:
Change of Bottomhole Footage to Exterior Section Lines:
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer
Latitude Distance to nearest property line Distance to nearest bldg, public rd, utility or RR
Longitude Distance to nearest lease line Is location in a High Density Area (rule 603b)? Yes/No
Ground Elevation Distance to nearest well same formation Surface owner consultation date:

GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

CHANGE SPACING UNIT
Formation Formation Code Spacing order number Unit Acreage Unit configuration

Remove from surface bond
Signed surface use agreement attached

CHANGE OF OPERATOR (prior to drilling):
Effective Date:
Plugging Bond: Blanket Individual

CHANGE WELL NAME NUMBER
From:
To:
Effective Date:

ABANDONED LOCATION:
Was location ever built? Yes No
Is site ready for inspection? Yes No
Date Ready for Inspection:

NOTICE OF CONTINUED SHUT IN STATUS
Date well shut in or temporarily abandoned:
Has Production Equipment been removed from site? Yes No
MIT required if shut in longer than two years. Date of last MIT

SPUD DATE:

REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK
Method used Cementing tool setting/perf depth Cement volume Cement top Cement bottom Date

RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.
Final reclamation will commence on approximately Final reclamation is completed and site is ready for inspection.

Technical Engineering/Environmental Notice

XX Notice of Intent Approximate Start Date: Upon Approval
Report of Work Done Date Work Completed:

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

Intent to Recomplete (submit form 2) 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
XX Casing/Cementing Program Change Other: 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: Scott M. Webb Date: 11/20/08 Email: scottw@whiting.com
Print Name: Scott M. Webb Title: Regulatory Coordinator

COGCC Approved: Title EIT3 Date: 9/7/2011

CONDITIONS OF APPROVAL, IF ANY:

FORM  
4  
Rev 12/05

Page 2

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- 1. OGCC Operator Number: 96155 API Number: 05-103-11178
- 2. Name of Operator: Whiting Oil and Gas Corporation OGCC Facility ID # \_\_\_\_\_
- 3. Well/Facility Name: Federal 397 Well/Facility Number: 3K-K3
- 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESW Sec 3-T3S-R97W, 6th PM

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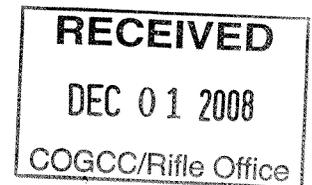
This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Due to circulation problems in the subject well, a 7" , 26# N-80, LTC casing string will be added to the well.

A revised drill plan is attached to this sundry outlining the new casing design.

**Whiting Oil & Gas Corp.  
Federal 397-3K-K3 Well Plan  
11-12-08**



Surface Location: Sec 3-T3S-R97W  
1573' FSL 1561' FWL  
Rio Blanco County, Colorado

**DRILLING PROGRAM**

**1. ESTIMATED TOPS OF GEOLOGICAL MARKERS:**

Ground Level 6,713'                      Estimated KB 6,739' (26')

<u>Formation</u>	<u>TVD</u>	<u>TVDSS</u>	<u>Lithology</u>	<u>Hazard</u>
Grn Riv-Mahog Bnch	1,334'	5,379'	Oil Shale	
Garden Gulch	2,521'	4,192'	Shale	
Orange Marker	2,751'	3,962'	Shale	
Ohio Creek	7,425'	-712'	SS	
Williams Fork	7,569'	-856'	SS/SH	Gas
Rollins	11,503'	-4,790'	SS-SH	Gas
Cozzette	11,678'	-4,965'	SS-SH	Gas
Corcoran	12,004'	-5,291'	SS-SH	Gas
Lwr Corcoran	12,470'	-5,757'	SS-SH	Gas
Sego	12,870'	-6,157'	SS-SH	Gas
TD	12,970'	-6,257'	SS-SH	

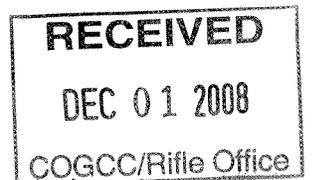
**2. S CURVE DIRECTIONAL PLAN:**

Bottom-hole Location: Sec 3-T3S-R97W  
1835' FSL 1941' FWL

\* See attached Directional Well Plan

**3. PRESSURE CONTROL EQUIPMENT**

- A. Type:** 11" 5000 psi double ram hydraulic BOP.
- 11" 5000 psi annular preventer
- 5,000 psi Casinghead
- 5,000 psi Tubinghead.



**B. Testing Procedure:**

The annular preventer will be pressure tested to 50% of stack rated working pressure for ten (10) minutes or until provisions of test are met, whichever is longer. The BOP, choke manifold, and related equipment will be pressure tested to approved BOP stack working pressure (if isolated from surface casing by a test plug) or to 70% of surface casing internal yield strength (if BOP is not isolated by a test plug). Pressure will be maintained for ten (10) minutes or until the requirements of the test are met, whichever is longer. At a minimum, the Annular and Blow-Out Preventer pressure tests will be performed:

1. When the BOPE is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

Annular will be function tested weekly, and pipe & blind rams activated each trip, but not more than once per day. All BOP drills & tests will be recorded in IADC driller's log.

**C. Choke Manifold Equipment:**

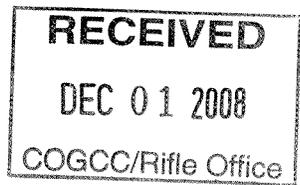
All choke lines will be straight lines whenever possible at turns, tee blocks will be used or will be targeted with running tees, and will be anchored to prevent whip and vibration.

**D. Accumulator:**

Accumulator will have sufficient capacity to open hydraulically-controlled choke line valve (if so equipped), close all rams plus annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double accumulator capacity and the fluid level will be maintained at manufacturer's recommendations. Accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack.

**E. Miscellaneous Information:**

Choke manifold and BOP extension rods with hand wheels will be located outside rig sub-structure. Hydraulic BOP closing unit will be located at least twenty-five (25) feet from the wellhead but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole. A flare line will be installed after the choke manifold with the discharge point of the flare line to a separate pit located at least 125 feet away from the wellbore and any existing production facilities.



**4. PROPOSED CASING PROGRAM**

<u>Hole Size</u>	<u>Setting Depth (MD)</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Thread</u>
12-1/4"	3,500'	9-5/8"	40	J-55	LTC
8-3/4"	8,320'	7"	26	N-80	LTC
6-1/8"	12,954'	4-1/2"	11.6	P-110	LTC

**5. PROPOSED CEMENTING PROGRAM**

SURFACE: TOC Surface (25% Excess, TOT: 1225', TOL: Surface)

Lead: 960 sacks Premium Lite Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 4 lbs/sack Kol Seal + 8% bwoc Bentonite + 0.75% bwoc Sodium Metasilicate + 0.3% bwoc BA-59 + 103.5% Fresh Water

Tail: 292 sacks Class G Cement + 1% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 3 lbs/sack Kol Seal+ 42.6% Fresh Water

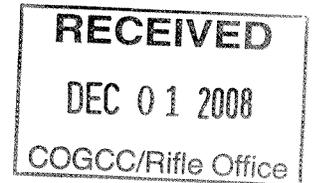
<u>Cement Properties</u>	<u>Lead Slurry</u>	<u>Slurry No. 2</u>
Slurry Weight (ppg)	12.50	15.80
Slurry Yield (cf/sack)	2.03	1.17

INTERMEDIATE: TOC (TOL 6000' 20% excess TOT 7650' 10% excess)

Lead: 300 sacks Premium Lite Plus + 0.05 lbs/sack Static Free + 0.5% bwoc FL-63 + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 2% bwoc Sodium Metasilicate + 172.8% Fresh Water

Tail: 100 sacks Class G Cement + 0.05 lbs/sack Static Free + 0.3% bwoc R-3 + 0.5 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.25% bwoc FL-25 + 0.2% bwoc BA-59 + 42.7% Fresh Water

<u>Cement Properties</u>	<u>Lead</u>	<u>Tail</u>
Slurry Weight (ppg)	11.20	15.80
Slurry Yield (cf/sack)	2.99	1.16



PRODUCTION: TOL 6600' 20% excess over caliper TOT 8500' 15% excess over caliper

Lead Slurry: 73 sacks (35:65) Poz (Fly Ash): Type III Cement + 0.6% bwoc R-8 + 0.2% bwoc Sodium Metasilicate + 0.5% bwoc FL-63 + 0.2 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 10% bwoc Bentonite + 150.8% Fresh Water

Tail Slurry: 237 sacks (35:65) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 0.6% bwoc R-8 + 0.25 lbs/sack Cello Flake + 0.3% bwoc CD-32 + 2 lbs/sack Kol Seal + 0.9% bwoc FL-52 + 6% bwoc Bentonite + 0.2% bwoc Sodium Metasilicate + 35% bwoc Silica Flour + 0.2% bwoc BA-59 + 0.5 gals/100 sack FP-13L + 10 lbs/sack CSE-2 + 100.8% Fresh Water

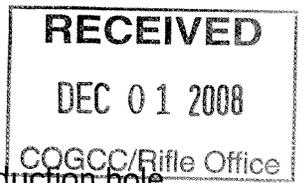
<u>Cement Properties</u>	<u>Lead Slurry</u>	<u>Slurry No. 2</u>
Slurry Weight (ppg)	11.50	13.50
Slurry Yield (cf/sack)	2.67	2.22
Mix Water	26.08	14.45

## 6. MUD PROGRAM

<u>Depth (MD)</u>	<u>Mud System</u>	<u>MW</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>
0 -2600'	LSND/NewGel/NewPHPA	8.5-9.0	8-15	10-20	NC
2600' - 3500'	Water/FlexFirm	8.3-8.5	NC	NC	NC
3500'-6450'	LSND/NewPHPA	9.2-9.5	16-25	15-20	6-8
6450'-10000'	LSND/NewPHPA	9.5-9.8	12-20	10.15	6-8
10000'-12994'	LSND/NewPHPA	9.8-10.0	12-20	10-15	6-8

## 7. Testing, Logging and Core Programs

Cores: None planned  
 DST: None planned



Surveys: Deviation surveys every 500' to TD in both surface and production hole.

Mud Logger: None planned

Samples: 30' samples Surface to TD  
10' samples 8,200 to TD

Open Hole Logging Program:  
Induction w/GR Log: TD to Surface Casing  
Density Compensated Neutron: TD to Surface Casing

**8. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES:**

No abnormal pressures are anticipated. No H<sub>2</sub>S gas is anticipated.

Anticipated bottom-hole pressure is 5,616 psi (0.433 psi/ft) at 12,970' TVD in the Sego SS (8.34 ppg equivalent).

**9. ANTICIPATED STARTING DATE AND DURATION:**

Dirt work startup: January 2, 2008

Spud: February 15, 2008

Duration: 45 – 60 days