

State of Colorado
Oil and Gas Conservation Commission

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



01241804



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.)

1. OGCC Operator Number: 96850 4. Contact Name Angela Neifert

2. Name of Operator: Williams Production RMT Co. Phone: (303) 606-4398

3. Address: 1515 Arapahoe St., Tower 3, Suite 1000 Denver, State: CO Zip 80202 Fax: (303) 629-8272

5. API Number 05-045-07744-00 OGCC Facility ID Number

6. Well/Facility Name: Unocal 7. Well/Facility Number GM 247-1

8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NE/4 SE/4 SEC. 1 T7S-R96W 6TH PM

9. County: Garfield 10. Field Name: Grand Valley

11. Federal, Indian or State Lease Number:

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

Longitude Distance to nearest lease line

Ground Elevation Distance to nearest well same formation

attach directional survey

GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

☐ **CHANGE SPACING UNIT** 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**

From:

To:

Effective Date:

NUMBER

☐ **ABANDONED LOCATION:**

Was location ever built?

☐ Yes ☐ No

Is site ready for inspection?

☐ Yes ☐ No

Date Ready for inspection:

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

*submit cbl and cement job summaries

☐ **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

☐ Notice of Intent

Approximate Start Date:

☒ Report of Work Done

Date Work Completed:

04/26/10

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

☐ Intent to Recomplete (submit form 2)

☐ Change Drilling Plans

☐ Gross Interval Changed?

☐ Casing/Cementing Program Change

☐ Request to Vent or Flare

☐ Repair Well

☐ Rule 502 variance requested

☒ Other: Isolate & Szp High Water Producing Zones for Spills and Releases

☐ E&P Waste Disposal

☐ Beneficial Reuse of E&P Waste

☐ Status Update/Change of Remediation Plans

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:

Date: 11/22/10

Email: Angela.Neifert@williams.com

Print Name:

Angela J. Neifert

Title: Permit Technician

OGCC Approved:

Title EIT 3

Date: 12/01/2010

CONDITIONS OF APPROVAL IF ANY:

RECEIVED

NOV 23 2010

COGCC/Rifle Office

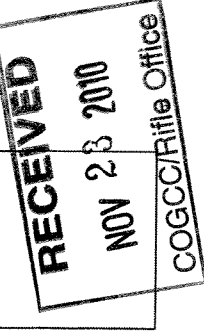
Complete the Attachment
Checklist

OP OGCC

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY



1. OGCC Operator Number: 96850 API Number: 05-045-07744-00
2. Name of Operator: Williams Production RMT Co OGCC Facility ID #
3. Well/Facility Name: Unocal Well/Facility Number: GM 247-1
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NE1/4 SE1/4 SEC. 1 T7S-R96W 6TH PM

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

GM 247-1

CBL C 61

The GM 247-1 was squeezed due to communication with the GM 943-1 injection well. It was determined through examination of the logs and communication with the geologist that a poor bond on the upper part of the GM 247-1 was allowing a direct communication with the injection well. The direct communication was affecting the performance of the well.

Some cement →

4850 ±

Isolated water production to the top three perfs intervals in the well. Set dumped 100' of sand on the plug @ 5096', putting bottom of cement around 4996'. Established an injection rate of 2.8bpm @ 1400psi. Pumped 100 sks of 15.8ppg Mountain G@2377psi then increased cement density to 17ppg for another 100sks. Pressured squeeze up to 4000psi. Squeeze appeared to have gone well, displacement and pressuring up of perforations went off as planned. Let cement set up for two days (weekend) and came and drilled out cement.

better @ 4950 ± ↓

Set CI retainer to test upper three zones. Pressured well up to 1000psi and well bled off to 0psi in less than a minute. Attempted to establish an injection after drilling out and the well was pressured up to 1100psi and well bled off to 0 in less than a minute.

Established an injection rate after first squeeze did not provide solution to problem. 1.5bpm @ 1300 psi on second attempt to squeeze well. Pumped the second squeeze job: 10.2 bbbls of 15.8ppg Mountain G, was able to get cement to lock up after a 5 min shut down. Cement was pressured up to 4000psi again. Let cement set up for one day and returned to drill out, cement was green again under retainer. Shut down rig crew for two days to let cement set up. Returned to finish drilling out cement and pressure testing. Cement was still green even after 4 days of setting up. Swab tested cemented zone to determine if any water was still coming into the wellbore from the injection well. No consistent volume was achieved from swab testing. Pressure tested again to 500psi then pressured up to 800 psi, well bled off to 400 psi in a matter of minutes.

Rigged up cement crew again for the third attempt to squeeze off perfs, this time we used 250 gal of 7.5% HCl ahead of cement to reopen previously squeezed perfs. Well pressured up then broke back and established an injection rate of 3.2bpm @ 3212psi. Pumped 4 bbbls of 15.8 ppg and tailed in with 16 ppg cement with at 2bpm @ 2500 psi. Pressured up to 3000psi and left it on the squeeze job. Checked backside pressure the next day, we had left 500psi on the well and it was still there eliminating any possibility of a tool or casing leak. Shut well in for two days and attempted to drill out cement for a third time, bit fell through green cement and found some old hard cement @ 4955'. Let well clean up and shut in well for two months.