



STATE OF  
COLORADO

Weems - DNR, Mark <mark.weems@state.co.us>

## Sundry Notice\_Request Approval to Vent Gas

1 message

**Weems - DNR, Mark** <mark.weems@state.co.us>

Thu, Jun 19, 2014 at 4:13 PM

To: Beeman-Robert Beeman-Owner <robertbeeman@msn.com>, Beeman-Alberta Blake-Permittting Spc <alberta\_blake@yahoo.com>, Beeman-Don Hamilton <starpoin@etv.net>

Cc: Steve Labowskie - DNR <steve.labowskie@state.co.us>, Joe Maclaren - DNR <joe.maclaren@state.co.us>, Jim Hughes - DNR <jimo.hughes@state.co.us>

Beeman Oil and Gas	Beeman Oil and Gas	Beeman Oil and Gas	Beeman Oil and Gas
Hubbs #1	Hubbs #2	Barbara #2	Gladys #2
12 33N 12W	12 33N 12W	12 33N 12W	12 33N 12W
05-067-09070	05-067-09390	05-067-09071	05-067-9363
Doc #400582676	Doc #400582687	Doc #400582765	Doc #400582781

You have done a good job of providing gas measurement at each well; however, there is not enough information provided with the sundry notice to justify the authorization to vent the casing head gas. I have listed below more information that is required and must be provided in your sundry notice.

Where is the nearest gas pipe line?

How far away is it to this well?

What is the capital investment and expenses to tie into that line?

What are the monthly operating costs?

What price can you get per cubic feet per day?

How long does it take to payout if ever?

If you would like help in determining answers to these questions, I suggest you visit Rich Larson with Red Mesa Holdings, LLC. He can be contacted at:

Richard Larson

VP/Superintendent

Red Mesa Holdings

P. O. Box 9

Marvel, CO 81329

[970-588-3302](tel:970-588-3302)

[970-769-4841](tel:970-769-4841)

[rlarson@redmesa1.com](mailto:rlarson@redmesa1.com)

Also, I have attached is an example of an approved sundry notice you can use to present your case, e. g. payout time or lack of payout.

And finally, I spoke with Brad Begshaw today of Kiva Measuring and he felt that he could build a flaring device to effectively burn the gas volumes measured instead of venting it. Unburned gas has much more of a greenhouse gas impact on the environment than do combusted gas products. His approximate cost to build a flare is \$1000 and to include a flame arrestor would add another \$650. Brad can be contacted at:

Kiva Measuring

33 CR 5476

Farmington, NM 87401

[970-632-5972](tel:970-632-5972) off

[505-860-0702](tel:505-860-0702) cell

Mark Weems, P. E.

Regional Engineer - SW Colorado



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

P [970.259.4587](tel:970.259.4587) | F [970.259.0743](tel:970.259.0743) | C [970.749.0624](tel:970.749.0624)

1120 Lincoln Street, Suite 801, Denver, CO 80203

[mark.weems@state.co.us](mailto:mark.weems@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)



**EXAMPLE SUNDRY NOTICE.pdf**

164K



02055706

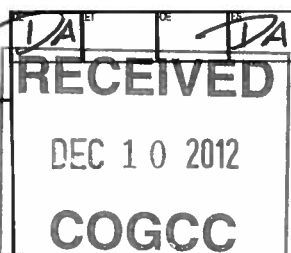
Page 1

FORM  
4  
Rev 12/05

State of Colorado

Oil and Gas Conservation Commission

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



## 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: <u>10255</u>	4. Contact Name <u>Tami Humphrey</u>	Complete the Attachment Checklist  OP OGCC
2. Name of Operator: <u>Quicksilver Resources Inc.</u>	Phone: <u>(817) 665-4876</u>	
3. Address: <u>801 Cherry St., Suite 3700, Unit 19</u>	Fax: <u>(817) 665-5009</u>	
City: <u>Fort Worth</u> State: <u>TX</u> Zip: <u>76102</u>		
5. API Number <u>05-081-07722-00</u>	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: <u>Simoos</u>	7. Well/Facility Number <u>12-30</u>	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): <u>Lot 9, Sec.30, T6N, R90W, Meridian 6</u>		Surface Eqmpt Diagram
9. County: <u>Moffat</u>	10. Field Name: <u>Flume Gulch</u>	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number:		Other

## General Notice

<input type="checkbox"/> 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:	<input type="checkbox"/> FNU/FSL <input type="checkbox"/> FEL/FWL
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/> attach directional survey
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	
Latitude	Distance to nearest property line
Longitude	Distance to nearest bldg, public rd, utility or RR
Ground Elevation	Distance to nearest lease line
	Is location in a High Density Area (rule 603b)? Yes/No <input type="checkbox"/>
	Distance to nearest well same formation
	Surface owner consultation date:
GPS DATA:	
Date of Measurement	PDOP Reading
	Instrument Operator's Name
<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation	Signed surface use agreement attached
Formation Code	
Spacing order number	
Unit Acreage	
Unit configuration	
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME
Effective Date:	NUMBER
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	From:
	To:
	Effective Date:
<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT
<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
<input type="checkbox"/> SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK	*submit cbl and cement job summaries
Method used	Cementing tool setting/perf depth
Cement volume	Cement top
Cement bottom	Date
<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done	
Approximate Start Date: <u>12/10/2012</u>	Date Work Completed:	
Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)		
<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input checked="" type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> 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: Tami Humphrey Date: 12/10/2012 Email: thumphrey@qrrinc.com

Print Name: Tami Humphrey Title: Regulatory Analyst

COGCC Approved: David And Title: PE II Date: 12/31/2012

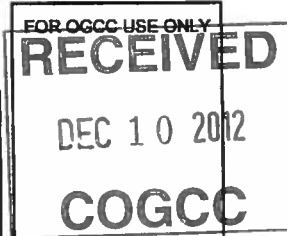
CONDITIONS OF APPROVAL, IF ANY:

1) Comply with all requirements of Rule 912, including monthly reporting of flared volumes (on Form 7) and notifications to local emergency dispatch or the local government designee. 2) Submit annual updates (requests to flare) to COGCC on Form 4's (Sundry Notices), which discuss whether or not any new gathering systems or increased development of the field have changed pipeline economics such that installation of a new pipeline would be an economically viable option in lieu of continued flaring. 3) Comply with any Colorado Department of Public Health and Environment, Air Pollution Control Division rules or requirements for all atmospheric discharges.



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## TECHNICAL INFORMATION PAGE



- |   |                             |
|---|-----------------------------|
| 1. OGCC Operator Number: 10255  | API Number: 05-081-07722-00 |
| 2. Name of Operator: Quicksilver Resources Inc.                                     | OGCC Facility ID #          |
| 3. Well/Facility Name: Simoes   | Well/Facility Number: 12-30 |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): Lot 9, Sec.30, T6N, R90W, Meridian 6 |                             |

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**

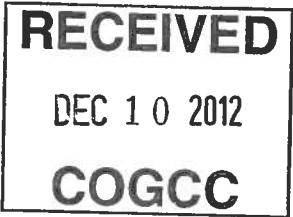
Quicksilver requests to flare approximately 91 MCFPD from the Simoes 12-30 during the production phase of the well. The amount flared and used on lease will be submitted on our monthly Form 7.

We have attached a gas analysis along with an economic evaluation for selling the gas currently flared. This evaluation is based upon the following:

Production = 91 MCFD (5 day average flare volume 11-8-12 thru 11-12-12)  
Capital cost = \$1,250,250  
Gas price = \$3.50/Mcf  
Severance tax = 0%  
Operating cost = \$0

The project will not payout during the life of the well based on a 25 year analysis and the undiscounted loss on the investment is \$-376,637 after 25 years.

The tie in location is the Jetta Operating Co. Craig 1-7 in NE-NW-7-6N-90W. Estimated minimum pipeline length is 16,670 feet from the Simoes-Stoddard Tank Battery.



QUICKSILVER RESOURCES, INC.  
Simoes 12-30  
Moffat County, Colorado

Reserves and Economics (Gas)								
Year	Gross Gas Mcf	Net Gas Mcf	Price \$/Mcf	Net Sales Annual, \$	Op Cost, \$	Cap Cost, \$	UNDISC, \$	Cum UNDISC, \$
2013	31,010	24,808	3.50	86,828	0	1,000,200	-913,372	-913,372
2014	25,522	20,418	3.50	71,462	0		71,462	-841,910
2015	21,005	16,804	3.50	58,814	0		58,814	-783,096
2016	17,287	13,830	3.50	48,404	0		48,404	-734,693
2017	14,873	11,898	3.50	41,644	0		41,644	-693,048
2018	13,312	10,650	3.50	37,274	0		37,274	-655,775
2019	11,914	9,531	3.50	33,359	0		33,359	-622,416
2020	10,664	8,531	3.50	29,859	0		29,859	-592,556
2021	9,544	7,635	3.50	26,723	0		26,723	-565,833
2022	8,542	6,834	3.50	23,918	0		23,918	-541,916
2023	7,645	6,116	3.50	21,406	0		21,406	-520,510
2024	6,843	5,474	3.50	19,160	0		19,160	-501,349
2025	6,124	4,899	3.50	17,147	0		17,147	-484,202
2026	5,481	4,385	3.50	15,347	0		15,347	-468,855
2027	4,906	3,925	3.50	13,737	0		13,737	-455,118
2028	4,391	3,513	3.50	12,295	0		12,295	-442,824
2029	3,930	3,144	3.50	11,004	0		11,004	-431,820
2030	3,517	2,814	3.50	9,848	0		9,848	-421,972
2031	3,148	2,518	3.50	8,814	0		8,814	-413,158
2032	2,818	2,254	3.50	7,890	0		7,890	-405,267
2033	2,522	2,018	3.50	7,062	0		7,062	-398,206
2034	2,257	1,806	3.50	6,320	0		6,320	-391,886
2035	2,020	1,616	3.50	5,656	0		5,656	-386,230
2036	1,808	1,446	3.50	5,062	0		5,062	-381,168
2037	1,618	1,294	3.50	4,530	0		4,530	-376,637
Total	222,701	178,161		623,563				

W.I. 1.000000  
N.R.I. 0.800000  
Tax 0.000000  
Gross Cost \$1,250,250

RECEIVED

DEC 10 2012

COGCC

PRECISION MEASUREMENT, INC.  
P.O.Box 3659  
745 North Circle Drive  
Casper, WY. 82602

12/10/2012 2:35 PM  
Phone: 307-237-9327  
800-624-7260  
Fax: 307-577-4139  
E Mail: pmi@tribcsp.com

GAS ANALYSIS REPORT

Analysis For: QUICKSILVER RESOURCES  
Field Name:  
Well Name: SIMOES 12-30  
Station Number:  
Purpose:  
Sample Deg. F: 98  
Volume/Day:  
Formation:  
Line PSIG: 88  
Line PSIA:

Run No: 7925-1  
Date Run: 9/26/12  
Date Sampled: 9/20/12  
Producer: QR  
County: MOFFAT  
State: CO  
Sampled By: S.L.  
Atmos Deg. F: 71

GAS COMPONENTS

MOL% Gal/Mcf

Carbon Dioxide	C02:	2.4520	
Nitrogen	N2:	0.5192	
Hydrogen Sulfide	H2s:	0.0000	
Methane	C1:	68.7385	
Ethane	C2:	11.4355	3.0514
Propane	C3:	10.7042	2.9427
Iso-Butane	IC4:	1.0013	0.3268
Nor-Butane	NC4:	3.0578	0.9619
Iso-Pentane	IC5:	0.6270	0.2290
Nor-Pentane	NC5:	0.6690	0.2417
Cyclopentane		0.1827	0.0784
n-Hexane		0.1572	
Cyclohexane		0.0616	
Other Hexanes		0.0691	
Heptanes		0.1562	
Methylcyclohexane		0.0965	
2,2,4 Trimethylpentane		0	
Benzene		0	
Toluene		0	
Ethylbenzene		0	
Xylenes		0	
Octanes		0.0668	
Nonanes		0.0054	
Decanes		0	
		100.000	7.8319

Pressure Base: 14.7300  
Real BTU Dry: 1368.3414  
Real BTU Wet: 1344.5322  
Calc. Ideal Gravity: 0.8244  
Calc. Real Gravity: 0.8277  
Field Gravity:  
Standard Pressure: 14.6960  
BTU Dry: 1365.2014  
BTU Wet: 1341.4469  
Z Factor: 0.9956  
Avg Mol Weight: 23.8757  
Avg CuFt/Gal: 52.4210  
Ethane+ Gal/Mcf: 7.8319  
Propane+ Gal/Mcf: 4.7805  
Butane+ Gal/Mcf: 1.8378  
Pentane+ Gal/Mcf: 0.5491

Analysis By: EVELYN SWANSON  
Approved By:

Remarks: