



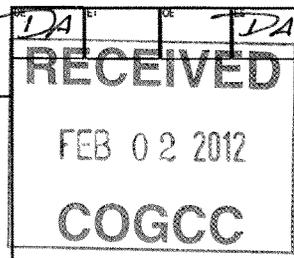
02055404

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: 10255	4. Contact Name: Cindy Keister	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Quicksilver Resources Inc.	Phone: (817) 665-5572	
3. Address: 801 Cherry St., Suite 3700, Unit #19 City: Fort Worth State: TX Zip: 76102	Fax: (817) 665-5009	
5. API Number 05-107-06241-00	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: Pirtlaw Partners Ltd	7. Well/Facility Number 14-03	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): SW/4 SW/4 Section 3, T6N, R87W, 6th Meridian		Surface Eqpmt Diagram
9. County: Routt	10. Field Name: Bear River	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number: NA		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:	<input type="checkbox"/>	FNL/FSL <input type="checkbox"/>	<input type="checkbox"/>	FEL/FWL <input type="checkbox"/>
Change of Surface Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> attach directional survey

Bottomhole location 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 *submit cbl and cement job summaries
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

Notice of Intent Approximate Start Date: 02/04/2012 Report of Work Done 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: <input type="checkbox"/>	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: Cindy Keister Date: 02/02/2012 Email: ckeister@qinc.com
Print Name: Cindy Keister Title: Director Regulatory Affairs

COGCC Approved: David [Signature] Title: PE II Date: 2/9/2012

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 Quality Control Division rules or requirements for all atmospheric discharges.

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

RECEIVED
FEB 02 2012
COGCC

1. OGCC Operator Number: 10255	API Number: 05-107-06241-00
2. Name of Operator: Quicksilver Resources Inc.	OGCC Facility ID #
3. Well/Facility Name: Pirtlaw Partners Ltd	Well/Facility Number: 14-03
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SW/4 SW/4 Section 3, T6N, R87W, 6th P.M.	

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**

Attached is a economic evaluation for selling the gas currently flared at the Pirtlaw 14-03, based on the following criteria:

- Initial production = 285 Mcfd (after Butane Recovery from frac)
- Capital cost = \$13,285,200
- Gas price = \$2.50/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 \$-12,079,876 after 25 years.

Tie-in location is the North Fork 43-12 facility in NE-SE-12-7N-93W. Estimated pipeline length is 178,034 feet (33.7 miles).

The gas volume reported during the current post completion productivity flow test is gas to flare, which is used in the economic evaluation. Treater usage and pumping unit engine usage, which are not currently measured, are estimated to be 4.8 Mcfd and 5.8 Mcfd respectively.

QUICKSILVER RESOURCES INC.
Pirtlaw Partners Ltd 14-03
API No. 107-06241-00
Routt County, Colorado

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Reserves and Economics (Gas)								
Year	Gross Gas Mcf	Net Gas Mcf	Price \$/Mcf	Net Sales Annual, \$	Op Cost, \$	Cap Cost, \$	UNDISC, \$	Cum UNDISC, \$
2012	97,118	67,133	2.50	167,832	0	13,285,200	-13,117,368	-13,117,368
2013	79,930	55,252	2.50	138,129	0		138,129	-12,979,239
2014	65,784	45,473	2.50	113,683	0		113,683	-12,865,556
2015	54,142	37,426	2.50	93,564	0		93,564	-12,771,992
2016	46,581	32,199	2.50	80,498	0		80,498	-12,691,494
2017	41,691	28,819	2.50	72,047	0		72,047	-12,619,447
2018	37,314	25,793	2.50	64,483	0		64,483	-12,554,964
2019	33,397	23,086	2.50	57,714	0		57,714	-12,497,249
2020	29,891	20,662	2.50	51,655	0		51,655	-12,445,594
2021	26,753	18,493	2.50	46,233	0		46,233	-12,399,361
2022	23,944	16,551	2.50	41,378	0		41,378	-12,357,983
2023	21,431	14,814	2.50	37,035	0		37,035	-12,320,948
2024	19,181	13,259	2.50	33,147	0		33,147	-12,287,801
2025	17,167	11,867	2.50	29,667	0		29,667	-12,258,134
2026	15,365	10,621	2.50	26,553	0		26,553	-12,231,581
2027	13,752	9,506	2.50	23,765	0		23,765	-12,207,816
2028	12,308	8,508	2.50	21,270	0		21,270	-12,186,546
2029	11,016	7,615	2.50	19,037	0		19,037	-12,167,509
2030	9,860	6,816	2.50	17,039	0		17,039	-12,150,470
2031	8,825	6,100	2.50	15,251	0		15,251	-12,135,219
2032	7,898	5,459	2.50	13,649	0		13,649	-12,121,571
2033	7,069	4,886	2.50	12,216	0		12,216	-12,109,354
2034	6,327	4,374	2.50	10,934	0		10,934	-12,098,421
2035	5,663	3,915	2.50	9,786	0		9,786	-12,088,634
2036	5,068	3,503	2.50	8,758	0		8,758	-12,079,876
Total	697,475	482,130		1,205,324				

W.I. 1.000000
N.R.I. 0.691250
Tax 0.000000
Gross Cost \$13,285,200

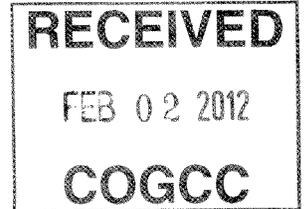
PRECISION MEASUREMENT, INC.
P.O.Box 3859
745 North Circle Drive
Casper, WY. 82602

1/30/2012 7:27 AM
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: PIRTLAW PARTNERS LTD 14-03
Station Number:
Purpose: SPOT CHECK
Sample Deg. F: 100
Volume/Day:
Formation:
Line PSIG: 21
Line PSIA:

Run No: 7895-1
Date Run: 1/25/12
Date Sampled: 1/16/12
Producer:
County: ROUTT
State: CO
Sampled By: S.L.
Atmos Deg. F: 36



GAS COMPONENTS
MOL% Gal/Mcf

Carbon Dioxide C02:	1.9533	
Nitrogen N2:	0.9653	
Hydrogen Sulfide H2s:	0.0000	
Methane C1:	67.8116	
Ethane C2:	7.7479	2.0674
Propane C3:	6.3344	1.7414
Iso-Butane IC4:	4.1473	1.3536
Nor-Butane NC4:	8.1015	2.5484
Iso-Pentane IC5:	0.6806	0.2486
Nor-Pentane NC5:	0.6537	0.2362
Cyclopentane	0.0000	0.0000
n-Hexane	0.2456	
Cyclohexane	0.1588	
Other Hexanes	0.4821	
Heptanes	0.4697	
Methylcyclohexane	0.0000	
2,2,4 Trimethylpentane	0.0014	
Benzene	0.0305	
Toluene	0	
Ethylbenzene	0	
Xylenes	0	
Octanes	0.1186	
Nonanes	0.0974	
Decanes	0	
	100.000	8.1956

Pressure Base: 14.7300
Real BTU Dry: 1444.6443
Real BTU Wet: 1419.5075
Calc. Ideal Gravity: 0.8706
Calc. Real Gravity: 0.8747
Field Gravity:
Standard Pressure: 14.6960
BTU Dry: 1441.3292
BTU Wet: 1416.2501
Z Factor: 0.9949
Avg Mol Weight: 25.2143
Avg CuFt/Gal: 51.5520
Ethane+ Gal/Mcf: 8.1956
Propane+ Gal/Mcf: 6.1282
Butane+ Gal/Mcf: 4.3868
Pentane+ Gal/Mcf: 0.4848

Analysis By: EVELYN SWANSON
Approved By:

Remarks: