

State of Colorado

Oil and Gas Conservation Commission

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

ANALYTES

PIT CLOSURE

DOCUMENT  
#2216899

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.)

RECEIVED  
11/2/2011

1. OGCC Operator Number: 10255	4. Contact Name: Todd Hutson	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Quicksilver Resources Inc.	Phone: 817-665-5434	
3. Address: 801 Cherry Street, Suite 3700, Unit 19 City: Fort Worth State: Texas Zip: 76102	Fax: 817-665-4191	
5. API Number 05-081-07461	OGCC Facility ID Number	Survey Plat
6. Well/Facility Name: Cherokee Ridge	7. Well/Facility Number 14-34R	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): SWSE Section 14, T12N, R9SW 6th PM		Surface Equip Diagram
9. County: Moffat	10. Field Name: Wildcat	Technical Info Page
11. Federal, Indian or State Lease Number: COC 59359		Other

General Notice

Location ID # 313417

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qr is substantive and requires a new permit)	
Change of Surface Footage from Exterior Section Lines:	<input type="checkbox"/> FNU/SL <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/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
	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 Formation Formation Code Spacing order number Unit Acreage Unit configuration	<input type="checkbox"/> Remove from surface bond Signed surface use agreement attached
<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling): Effective Date: Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	<input type="checkbox"/> CHANGE WELL NAME From: NUMBER To: Effective Date:
<input type="checkbox"/> ABANDONED LOCATION: Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No Date Ready for Inspection:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned: Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No 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 Method used Cementing tool setting/part 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.	

Rem # 5278

Technical Engineering/Environmental Notice

<input type="checkbox"/> Notice of Intent Approximate Start Date:	<input type="checkbox"/> 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 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 checked="" type="checkbox"/> Other: Reserve Pit Closure	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: Todd Hutson Date: 10/21/2011 Email: thutson@qrlnc.com  
Print Name: Todd Hutson Title: Environmental Manager

COGCC Approved: Chris Canfield Title: FOR Date: 11/03/2011

CONDITIONS OF APPROVAL IF ANY:

Chris Canfield



Page 2

## TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- |  |                              |
|--|------------------------------|
| 1. OGCC Operator Number: 10255   | API Number: 081-07461-00     |
| 2. Name of Operator: Quicksilver Resources Inc.                                    | OGCC Facility ID #           |
| 3. Well/Facility Name: Cherokee Ridge  | Well/Facility Number: 14-34R |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE Section 14, T12N, R95W, 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

REM # 5278

Quicksilver requests to use an abbreviated analyte list to close the drilling reserve pit at the Cherokee Ridge 14-34R wellsite based on site specific conditions. The reserve pit only supported drilling activities and, as such, the drilling mud was a bentonitic, water-based drilling mud. Quicksilver requests to close the pit based on TPH values pursuant to Table 910-1 levels (i.e. 500 ppm), based on the above points. All TPH value presented are well below Table 910-1 criteria. Further, arsenic values presented are above the Table 910-1 allowable concentrations. However, Quicksilver has over-excavated the contents of the pit and feels that the elevated values presented are indicative of background conditions, given the extensive nature of the excavation.

**Table 1**  
**Quicksilver Resources Inc. Cherokee Ridge Pit**  
**Soil Sample Summary**

SAMPLE SUMMARY	
Location Description	Cherokee Ridge
Sample Type	Soil
Sample Date	9/1/2011

LABORATORY DATA SUMMARY										ALLOWABLE LIMITS	UNITS
Sample ID	CR PIT1	CR PIT2	CR PIT3	CR PIT4	CR PIT5	CR PIT6	CR PIT7				
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"				
Analytical Parameters											
TPH											
TPH Low Fraction	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	mg/kg		
TPH High Fraction	26	BDL	120	38	27	100	91	NA	mg/kg		
Total TPH	26	BDL	120	38	27	100	91	500	mg/kg		

mg/kg - milligrams per kilogram  
BDL - parameter was below the detection limit  
mmhos/cm - millimhos per centimeter  
au - standard units  
mv - millivolts

SAMPLE SUMMARY	
Location Description	Cherokee Ridge
Sample Type	Soil
Sample Date	9/27/2011

LABORATORY DATA SUMMARY									
Sample ID	CR PIT1	CR PIT3	CR PIT4	CR PIT5	CR PIT6	CR PIT7	ALLOWABLE LIMITS	UNITS	
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"			
Analytical Parameters									
TPH									
TPH Low Fraction	NT	NT	NT	NT	NT	NT	NA	mg/kg	
TPH High Fraction	NT	NT	NT	NT	NT	NT	NA	mg/kg	
Total TPH	NT	NT	NT	NT	NT	NT	500	mg/kg	

mg/kg - milligrams per kilogram  
BDL - parameter was below the detection limit  
mmhos/cm - millimhos per centimeter  
su - standard units  
mv - millivolts  
NA - not applicable

SAMPLE SUMMARY	
Location Description	Cherokee Ridge
Sample Type	Soil
Sample Date	9/27/2011

LABORATORY DATA SUMMARY											
Sample ID	CR PIT8	CR PIT9	CR PIT10	CR PIT11	CR PIT 12	CR PIT13	CR PIT 14	ALLOWABLE LIMITS		UNITS	
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"				
Analytical Parameters											
TPH											
TPH Low Fraction	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	mg/kg	
TPH High Fraction	18	340	BDL	15	19	11	11	11	NA	mg/kg	
Total TPH	18	340	BDL	15	19	11	11	11	500	mg/kg	

mg/kg - milligrams per kilogram  
BDL - parameter was below the detection limit  
mmhos/cm - millinhos per centimeter  
su - standard units  
mv - millivolts  
NA - not applicable