



01533866

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



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DEC 06 2012
COGCC

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: 10421	4. Contact Name: Duncan Shepherd	Complete the Attachment Checklist OP OGCC
2. Name of Operator: Petroleum Resource Mgmt. Corp.	Phone: 303-861-9480	
3. Address: 1580 Lincoln Street, Suite 635 City: Denver State: CO Zip: 80203	Fax: 303-861-7362	
5. API Number: 05-081-07750-00	OGCC Facility ID Number: 430112	Survey Plat
6. Well/Facility Name: Sheehan 2	7. Well/Facility Number: #4-2	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): Tract 37, Section 2, T10N, R89W, 6th PM		Surface Eqmpt Diagram
9. County: Moffat	10. Field Name: Wildcat	Technical Info Page
11. Federal, Indian or State Lease Number:		Other lab analyses

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: FNL/FSL FEL/FWL

Change of Surface Footage to Exterior Section Lines:

Change of Bottomhole Footage from Exterior Section Lines:

Change of Bottomhole Footage to Exterior Section Lines: 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 cbi 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: 12/6/2012 Report of Work Done Date Work Completed: _____

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

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

Casing/Cementing Program Change Other: Bury drill cuttings 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: Rick Obornolte Date: 12/3/2012 Email: rickobe1@aol.com
Print Name: Rick Obornolte Title: Agent or PRM

COGCC Approved: Daryl Kulyko Title: Location Assessment Specialist Date: 12-7-12

CONDITIONS OF APPROVAL, IF ANY:

FORM
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Page 2

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

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1. OGCC Operator Number: 10421	API Number: 05-081-07750-00
2. Name of Operator: Petroleum Resource Mgmt. Corp.	OGCC Facility ID # 430112
3. Well/Facility Name: Sheehan 2	Well/Facility Number: #4-2
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): Tract 37, Section 2, T10N, R89W, 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

PRM respectfully requests approval to mix the dried drill cuttings with clean subsurface soil excavated from the proposed cuttings burial pit and bury the mixture under three feet of clean unmixed subsurface soil.

The well site soils and the drill cuttings have both been analytically tested and a summary table of the test results is attached along with the analytical summary sheet from the laboratory. The attached table summarizes the test results showing the COGCC Table 910-1 concentration levels compared to the composite background soil sample and the composite drill cuttings sample.

The drill cuttings sample exceeds the COGCC Table 910-1 limits on SAR (at 12.3 vs. 12), pH (at 11.93 vs. 6-9), and Arsenic (at 3.6 vs. 0.39). The drill cuttings will be mixed with at least double its volume of subsurface soil prior to burial in the well pad cut slope to reduce the elevated readings. At least three feet of stockpiled well pad soil will then be placed on top of the buried cuttings.

Contaminant of Concern, in soils	Table 910-1, Allowed Concentration	Background Soil I	Background Soil IA	Drill Cuttings I	Drill Cuttings IA
TPH	500 mg/kg	ND	-	22.9	-
Benzene	0.17 mg/kg	ND	-	ND	-
Toulene	85 mg/kg	ND	-	ND	-
Ethylbenzene	100 mg/kg	ND	-	ND	-
Xylenes	175 mg/kg	ND	-	ND	-
Acenaphthene	1,000 mg/kg	ND	-	ND	-
Anthracene	1,000 mg/kg	ND	-	ND	-
Benzo(A)anthracene	0.22 mg/kg	ND	-	ND	-
Benzo(B)fluoranthene	0.22 mg/kg	ND	-	ND	-
Benzo(K)fluoranthene	2.2 mg/kg	ND	-	ND	-
Benzo(A)pyrene	0.022 mg/kg	ND	-	ND	-
Chrysene	22 mg/kg	ND	-	ND	-
Dibenzol(A,H)anthracene	0.022 mg/kg	ND	-	ND	-
Fluoranthene	1,000 mg/kg	ND	-	ND	-
Fluorene	1,000 mg/kg	ND	-	ND	-
Indeno(1,2,3-C)pyrene	0.22 mg/kg	ND	-	ND	-
Naphthalene	23 mg/kg	ND	-	0.0632	-
Pyrene	1,000 mg/kg	ND	-	0.0425	-
Electrical Conductivity	<4 mmhos/cm			0.149	
SAR	<12		1.72	-	12.3
pH	6-9	6.66	-	11.93	-
Arsenic	0.39 mg/kg	1.5	-	3.6	-
Barium	15,000 mg/kg	154	-	460	-
Boron	2 mg/l	-	-	-	-
Cadmium	70 mg/kg	<1.1	-	<1.8	-
Chromium (III)	120,000 mg/kg	19.0	-	14.8	-
Chromium (VI)	23 mg/kg	<1.0	-	<1.0	-
Copper	3,100 mg/kg	8.6	-	18.3	-
Lead (inorganic)	400 mg/kg	<5.3	-	22.3	-
Mercury	23 mg/kg	<0.089	-	<0.14	-
Nickel (soluble salts)	1,600 mg/kg	30.0	-	19.2	-
Selenium	390 mg/kg	<5.3	-	<9.2	-
Silver	390 mg/kg	<3.2	-	<5.5	-
Zinc	23,000 mg/kg	21.9	-	31.0	-



Sample Summary

Bolton Construction

Job No: D41076

Petroleum Resource Management

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D41076-1	11/19/12	13:08 DM	11/20/12	SO	Soil	CONTAMINATED SOIL
D41076-1A	11/19/12	13:08 DM	11/20/12	SO	Soil	CONTAMINATED SOIL
D41076-2	11/19/12	13:08 DM	11/20/12	SO	Soil	UNCONTAMINATED SOIL
D41076-2A	11/19/12	13:08 DM	11/20/12	SO	Soil	UNCONTAMINATED SOIL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: D41076
 Account: Bolton Construction
 Project: Petroleum Resource Management
 Collected: 11/19/12

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D41076-1	CONTAMINATED SOIL					
Naphthalene		63.2	21	19	ug/kg	SW846 8270C BY SIM
Pyrene		42.5	15	7.9	ug/kg	SW846 8270C BY SIM
TPH-GRO (C6-C10)		22.9 J	26	13	mg/kg	SW846 8015B
Arsenic		3.6	0.18		mg/kg	SW846 6020A
Barium		460	1.8		mg/kg	SW846 6010C
Chromium		14.8	1.8		mg/kg	SW846 6010C
Copper		18.3	1.8		mg/kg	SW846 6010C
Lead		22.3	9.2		mg/kg	SW846 6010C
Nickel		19.2	5.5		mg/kg	SW846 6010C
Zinc		31.0	5.5		mg/kg	SW846 6010C
Specific Conductivity		7460	1.0		umhos/cm	SM2510B-1997 MOD
Chromium, Trivalent ^a		14.8	2.8		mg/kg	SW846 3060/7196A M
Redox Potential Vs H2		67.0			mv	ASTM D1498-76M
pH		11.93			su	SW846 9045D
D41076-1A	CONTAMINATED SOIL					
Calcium		150	2.0		mg/l	SW846 6010C
Sodium		547	2.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^b		12.3			ratio	USDA HANDBOOK 60
D41076-2	UNCONTAMINATED SOIL					
Arsenic		1.5	0.11		mg/kg	SW846 6020A
Barium		154	1.1		mg/kg	SW846 6010C
Chromium		19.0	1.1		mg/kg	SW846 6010C
Copper		8.6	1.1		mg/kg	SW846 6010C
Nickel		30.0	3.2		mg/kg	SW846 6010C
Zinc		21.9	3.2		mg/kg	SW846 6010C
Specific Conductivity		149	1.0		umhos/cm	SM2510B-1997 MOD
Chromium, Trivalent ^a		19.0	2.1		mg/kg	SW846 3060/7196A M
Redox Potential Vs H2		158			mv	ASTM D1498-76M
pH		6.66			su	SW846 9045D
D41076-2A	UNCONTAMINATED SOIL					
Calcium		9.43	2.0		mg/l	SW846 6010C
Magnesium		1.42	1.0		mg/l	SW846 6010C
Sodium		21.4	2.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^b		1.72			ratio	USDA HANDBOOK 60

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

(b) Calculated as: (Na meq/L) / sqrt [(Ca meq/L) + (Mg meq/L)/2]