

FORM
4
Rev 12/05

Page 1

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2105



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: 100122	4. Contact Name: Lee Fyock	Complete the Attachment Checklist
2. Name of Operator: Gunnison Energy Corporation	Phone: (303) 296-4222	
3. Address: 1801 Broadway Suite 1200 City: Denver State: CO Zip: 80234	Fax: 303-296-4555	
5. API Number 05-	OGCC Facility ID Number 421.193	Survey Plat
6. Well/Facility Name: Hotchkiss Wtr. Storage Fa. 7.	Well/Facility Number	Directional Survey
8. Location (Qtr/Sec, Twp, Rng, Meridian): NENW Section 18, T12S, R89W, 6th P.M.		Surface Expt Diagram
9. County: Gunnison	10. Field Name:	Technical Info Page <input checked="" type="checkbox"/>
11. Federal, Indian or State Lease Number:		Other <input checked="" type="checkbox"/>

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>

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: _____

attach directional survey

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
From: _____ NUMBER _____
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 (5 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 **7 Email = Dec. 12, 2011** ☐ Report of Work Done
Approximate Start Date: **Approx. October 15, 2011** **JJK** 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 checked="" 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 for Spills and Releases
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other: _____	

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: *Patty Johnson* Date: **12/01/11** Email: **patty.johnson@oxbow.com**
Print Name: **Patty Johnson** Title: **Drilling and Operations Technician**

OGCC Approved: *Chris Fier* Title: *Env. Sup* Date: **12/2/11**
CONDITIONS OF APPROVAL, IF ANY:



Page 2

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 100122 API Number: _____
2. Name of Operator: Gunnison Energy Corporation OGCC Facility ID # 421,193
3. Well/Facility Name: Hotchkiss Water Storage Facility Well/Facility Number: _____
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): NENW Section 18, T12S, R89W, 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

Gunnison Energy Corporation ("GEC") requests permission to utilize water from GECs 4 CBM wells (listed below) permitted by the Colorado State Engineers Office ("SEO") as Non Tributary wells, to supplement the testing of the Hotchkiss Water Storage Facility. Attached is the August 1, 2011 water analysis from the Hotchkiss 1289 #18-22 Disposal Well which contains water from 3 (18-31, 18-43 & 17-13) of the wells, the 1-34 was shut in at the time of sampling.

Hotchkiss Federal 1289 #18-31 SEO Permit # 68075
Hotchkiss Federal 1289 #18-43 SEO Permit #68074
Hotchkiss Federal 1289 #17-13 SEO Permit # 68076
Hotchkiss 1289 #1-34 SEO Permit # 68073

The following are also attached:

1. Letter of Acceptance by our Lead Design Engineer ✓
2. An Evacuation Contingency Plan (which includes the procedure for conducting the hydrostatic test) ✓
3. A Liner Inspection Report which includes all QA/QC documentation ✓

Report of Analysis

3.1
3

Client Sample ID: HK 18-22D							
Lab Sample ID: D26312-1				Date Sampled: 08/08/11			
Matrix: DW - Drinking Water				Date Received: 08/08/11			
Method: SW846 8015B				Percent Solids: n/a			
Project: Gunnison Energy, Denver, CO							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FA05673.D	1	08/15/11	CS	n/a	n/a	GFA349
Run #2							

	Initial Volume	Final Volume
Run #1	1.0 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-56-1	Methanol	ND		1.0	0.50	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
71-36-3	n-Butyl Alcohol	250% ^a		27-169%			

(a) Possible spiking error. Positive samples reanalyzed.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: HK 18-22D							
Lab Sample ID: D26312-1				Date Sampled: 08/08/11			
Matrix: DW - Drinking Water				Date Received: 08/08/11			
Method: SW846 8015B				Percent Solids: n/a			
Project: Gunnison Energy, Denver, CO							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB12280.D	1	08/09/11	SK	n/a	n/a	GGB701
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND		0.20	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	99%		60-140%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID:		HK 18-22D					
Lab Sample ID:		D26312-1		Date Sampled:		08/08/11	
Matrix:		DW - Drinking Water		Date Received:		08/08/11	
Method:		RSK175 MOD		Percent Solids:		n/a	
Project:		Gunnison Energy, Denver, CO					

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FB04424.D	1	08/15/11	CS	n/a	n/a	GFB139
Run #2							

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
74-82-8	Methane	ND		0.00080	0.00080	mg/l	

ND = Not detected

MDL = Method Detection Limit

MCL = Maximum Contamination Level (40 CFR 141)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

31
63

<div><div>Client Sample ID: HK 18-22D</div><div>Lab Sample ID: D26312-1</div><div>Matrix: DW - Drinking Water</div><div>Method: SW846 8021B</div><div>Project: Gunnison Energy, Denver, CO</div></div> <div><div>Date Sampled: 08/08/11</div><div>Date Received: 08/08/11</div><div>Percent Solids: n/a</div></div>							
Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	TB12280.D	1	08/09/11	SK	n/a	n/a	GTB701
<div>Purge Volume</div> <div>Run #1 5.0 ml</div> <div>Run #2</div>							

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1000	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	700	2.0	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	10000	2.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND		5.0	1.0	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
120-82-1	1,2,4-Trichlorobenzene	110%		60-140%			

ND = Not detected MDL - Method Detection Limit

MCL = Maximum Contamination Level (40 CFR 141)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: HK 18-22D			
Lab Sample ID:	D26312-1	Date Sampled:	08/08/11
Matrix:	DW - Drinking Water	Date Received:	08/08/11
Method:	SW846-8015B SW846 3510C	Percent Solids:	n/a
Project:	Gunnison Energy, Denver, CO		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FD08942.D	1	08/11/11	CS	08/10/11	OP4236	GFD386
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.370		0.38	0.30	mg/l	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits			
84-15-1	o-Terphenyl	142%		28-150%			

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID:	HK 18-22D	Date Sampled:	08/08/11
Lab Sample ID:	D26312-1	Date Received:	08/08/11
Matrix:	DW - Drinking Water	Percent Solids:	n/a
Project:	Gunnison Energy, Denver, CO		

Total Metals Analysis

Analyte	Result	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 0.10		0.10	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Arsenic	0.029	0.010	0.0016	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Barium	3.0	2.0	0.0040	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Boron	2.6		0.080	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Calcium	45.4		0.80	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Copper	0.0068	1.3	0.0040	mg/l	2	08/09/11	08/12/11 GJ	EPA 200.8 ²	EPA 200.8 ³
Iron	2.1		0.080	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Lead	< 0.0010	0.015	0.0010	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Magnesium	7.5		0.20	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Manganese	0.034		0.0020	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Nickel	0.0045		0.0040	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Potassium	8.8		0.40	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Selenium	0.14	0.050	0.00080	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Sodium	1610		50	mg/l	100	08/09/11	08/12/11 GJ	EPA 200.8 ²	EPA 200.8 ³
Strontium	11.5		0.040	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³
Zinc	< 0.020	5.0	0.020	mg/l	2	08/09/11	08/09/11 GJ	EPA 200.8 ¹	EPA 200.8 ³

- (1) Instrument QC Batch: MA1741
- (2) Instrument QC Batch: MA1744
- (3) Prep QC Batch: MP5421

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 141)

Report of Analysis

3.1
3

Client Sample ID:	HK 18-22D	Date Sampled:	08/08/11
Lab Sample ID:	D26312-1	Date Received:	08/08/11
Matrix:	DW - Drinking Water	Percent Solids:	n/a
Project:	Gunnison Energy, Denver, CO		

General Chemistry

Analyte	Result	MCL	Units	DF	Analyzed	By	Method
Alkalinity, Bicarbonate as CaC	1830		mg/l	1	08/10/11	CJ	SM20 2320B
Alkalinity, Carbonate	< 5.0		mg/l	1	08/10/11	CJ	SM20 2320B
Alkalinity, Total as CaCO3	1830		mg/l	1	08/10/11	CJ	SM20 2320B
Bromide	9.2		mg/l	10	08/09/11 10:57	JML	EPA 300
Chloride	1270		mg/l	100	08/09/11 17:26	JML	EPA 300
Fluoride	3.5	4.0	mg/l	1	08/12/11	JD	SM20 4500F C
Hydrogen Sulfide	< 0.50		mg/l	1	08/09/11	CJ	SM20 4500 S2 H
Nitrogen, Ammonia	0.63		mg/l	1	08/11/11	CJ	SM20 4500NH3 D
Nitrogen, Nitrate ^a	< 0.10	10	mg/l	10	08/09/11 10:57	JML	EPA 300
Nitrogen, Nitrite ^a	< 0.40	1.0	mg/l	100	08/09/11 17:26	JML	EPA 300
Phosphorus, Total	0.26		mg/l	1	08/11/11	JD	HACH 8190
Solids, Total Dissolved	4080		mg/l	1	08/10/11	CJ	SM20 2540C
Solids, Total Suspended	5.5		mg/l	1	08/10/11	JD	SM20 2540D
Specific Conductivity	5620		umhos/cm	1	08/10/11	JK	SM20 2510B
Sulfate ^a	< 5.0		mg/l	10	08/09/11 10:57	JML	EPA 300
Turbidity	14.5		NTU	1	08/09/11 09:00	JK	SM20 2130B

(a) Elevated detection limit due to matrix interference.

MCL = Maximum Contamination Level (40 CFR 141)