



02577052



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: 10091		4. Contact Name		Complete the Attachment Checklist	OP OGCC
2. Name of Operator: Berry Petroleum Company		Janni Keidel			
3. Address: 1999 Broadway, Suite # 3700		Phone: 303-999-4225			
City: Denver		Fax: 303-999-4325			
State: CO		Zip: 80202			
5. API Number 05-045-11035-00		OGCC Facility ID Number		Survey Plat	
6. Well/Facility Name: Chevron		7. Well/Facility Number 18-344D		Directional Survey	
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Sec. 20, T6S, R96W, 6th P.M.				Surface Expmnt Diagram	
9. County: Garfield		10. Field Name: Grand Valley		Technical Info Page	
11. Federal, Indian or State Lease Number:				Other	

## General Notice

<input type="checkbox"/> <b>CHANGE OF LOCATION:</b> Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)	FNL/FSL <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	FEL/FWL <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	attach directional survey <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Change of <b>Surface</b> Footage from Exterior Section Lines:  Change of <b>Surface</b> Footage to Exterior Section Lines:  Change of <b>Bottomhole</b> Footage from Exterior Section Lines:  Change of <b>Bottomhole</b> Footage to Exterior Section Lines: Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer	Distance to nearest property line Distance to nearest lease line Distance to nearest well same formation	Distance to nearest bldg, public rd, utility or RR Is location in a High Density Area (rule 603b)? Surface owner consultation date:	Yes/No <input type="checkbox"/>
<b>GPS DATA:</b> Date of Measurement _____ PDOP Reading _____ Instrument Operator's Name _____			
<input type="checkbox"/> <b>CHANGE SPACING UNIT</b> Formation _____ Spacing order number _____	Unit Acreage _____ Unit configuration _____	<input type="checkbox"/> <b>Remove from surface bond</b> Signed surface use agreement attached	
<input type="checkbox"/> <b>CHANGE OF OPERATOR (prior to drilling):</b> Effective Date: _____ Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	<input type="checkbox"/> <b>CHANGE WELL NAME</b> From: _____ To: _____ Effective Date: _____	NUMBER _____	
<input type="checkbox"/> <b>ABANDONED LOCATION:</b> 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"/> <b>NOTICE OF CONTINUED SHUT IN STATUS</b> 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"/> <b>SPUD DATE:</b> _____	<input type="checkbox"/> <b>REQUEST FOR CONFIDENTIAL STATUS</b> (6 mos from date casing set)		
<input type="checkbox"/> <b>SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK</b> Method used _____ Cementing tool setting/perf depth _____ Cement volume _____ Cement top _____ Cement bottom _____ Date _____ *submit cbl and cement job summaries			
<input type="checkbox"/> <b>RECLAMATION:</b> 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 type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done
Approximate Start Date: _____	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"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> for Spills and Releases
	<input type="checkbox"/> Request to Vent or Flare
	<input type="checkbox"/> Repair Well
	<input type="checkbox"/> Rule 502 variance requested
	<input checked="" type="checkbox"/> Other: Gas Analytical Report

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

Signed:

el  
James G. Giddel

Date: 12-10-09

Email: [iek@bry.com](mailto:iek@bry.com)

Print Name: \_\_\_\_\_

Janni Keidel

Title: Permitting Agent

COGCC Approved:

Kim Ky

\_\_\_\_\_

Date: **MAR 09 2010**

CONDITIONS OF APPROVAL, IF ANY:

## TECHNICAL INFORMATION PAGE



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OGCC/Rifle Office

- OGCC Operator Number: 10091 API Number: 05-045-11035-00
- Name of Operator: Berry Petroleum Company OGCC Facility ID #
- Well/Facility Name: Chevron Well/Facility Number: 18-344D
- Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, Sec. 20, T6S, R96W, 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**QUESTAR APPLIED TECHNOLOGY**

1210 D. Street, Rock Springs, Wyoming 82901

(307) 352-7292

LIMS ID: N/A Description: Chevron 18-344D  
Analysis Date/Time: 12/7/2009 12:32 PM Field: Grand Valley  
Analyst Initials: ABK ML#: Berry Petroleum  
Instrument ID: Instrument 1 GC Method: Quesbtex  
Data File: QPC64.D  
Date Sampled: 11/30/2009

Component	Mol%	Wt%	LV%
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Methane	90.3282	79.7638	86.2097
Ethane	5.3366	8.8328	8.0580
Propane	1.3452	3.2652	2.0884
Isobutane	0.2827	0.9045	0.5211
n-Butane	0.2301	0.7361	0.4087
Neopentane	0.0045	0.0177	0.0096
Isopentane	0.1143	0.4540	0.2358
n-Pentane	0.0652	0.2590	0.1331
2,2-Dimethylbutane	0.0049	0.0233	0.0116
2,3-Dimethylbutane	0.0092	0.0438	0.0213
2-Methylpentane	0.0267	0.1265	0.0623
3-Methylpentane	0.0147	0.0695	0.0337
n-Hexane	0.0255	0.1209	0.0590
Heptanes	0.0606	0.3089	0.1336
Octanes	0.0042	0.0270	0.0120
Nonanes	0.0009	0.0059	0.0024
Decanes plus	0.0009	0.0068	0.0030
Nitrogen	0.1853	0.2857	0.1145
Carbon Dioxide	1.9603	4.7486	1.8822
Oxygen	0.0000	0.0000	0.0000
Hydrogen Sulfide	0.0000	0.0000	0.0000
Total	100.0000	100.0000	100.0000

Global Properties	Units
Gross BTU/Real CF	1077.1
Sat. Gross BTU/Real CF	1059.6
Gas Compressibility (Z)	0.9975
Specific Gravity	0.6287
Avg Molecular Weight	18.168
Propane GPM	0.369835
Butane GPM	0.164652
Gasoline GPM	0.123238
26# Gasoline GPM	0.195772
Total GPM	0.657877
Base Mol%	98.269

BTU/SCF at 60°F and 14.73 psia  
BTU/SCF at 60°F and 14.73 psia

air=1  
gm/mole  
gal/MCF  
gal/MCF  
gal/MCF  
gal/MCF  
gal/MCF  
%v/v

Sample Temperature: 70 °F  
Sample Pressure: 490 psig

Reviewed By:

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OGCC/Rifle Office

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DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Component	Mol%	Wt%	LV%
Benzene	0.0032	0.0137	0.0050
Toluene	0.0024	0.0122	0.0045
Ethylbenzene	0.0001	0.0007	0.0003
M&P Xylene	0.0006	0.0037	0.0014
O-Xylene	0.0000	0.0000	0.0000
2,2,4-Trimethylpentane	0.0017	0.0108	0.0049
Cyclopentane	0.0000	0.0000	0.0000
Cyclohexane	0.0104	0.0482	0.0199
Methylcyclohexane	0.0110	0.0596	0.0250
Description:	Chevron 18-344D		

GRI GlyCalc Information

Component	Mol%	Wt%	LV%
Carbon Dioxide	1.9603	4.7486	1.8822
Hydrogen Sulfide	0.0000	0.0000	0.0000
Nitrogen	0.1853	0.2857	0.1145
Methane	90.3282	79.7638	86.2097
Ethane	5.3366	8.8328	8.0580
Propane	1.3452	3.2652	2.0884
Isobutane	0.2827	0.9045	0.5211
n-Butane	0.2301	0.7361	0.4087
Isopentane	0.1188	0.4717	0.2454
n-Pentane	0.0652	0.2590	0.1331
Cyclopentane	0.0000	0.0000	0.0000
n-Hexane	0.0255	0.1209	0.0590
Cyclohexane	0.0104	0.0482	0.0199
Other Hexanes	0.0555	0.2631	0.1289
Heptanes	0.0319	0.1644	0.0743
Methylcyclohexane	0.0110	0.0596	0.0250
2,2,4 Trimethylpentane	0.0017	0.0108	0.0049
Benzene	0.0032	0.0137	0.0050
Toluene	0.0024	0.0122	0.0045
Ethylbenzene	0.0001	0.0007	0.0003
Xylenes	0.0006	0.0037	0.0014
C8+ Heavies	0.0053	0.0353	0.0157
Subtotal	100.0000	100.0000	100.0000
Oxygen	0.0000	0.0000	0.0000
Total	100.0000	100.0000	100.0000

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COGCC/Rifle Office

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DESCRIBE PROPOSED OR COMPLETED OPERATIONS*QUESTAR APPLIED TECHNOLOGY*

1210 D. Street, Rock Springs, Wyoming 82901

(307) 352-7292

LIMS ID: N/A Description: 18-344D Surface Casing  
Analysis Date/Time: 12/7/2009 11:28 AM Field: Grand Valley  
Analyst Initials: BRS ML#: Berry Petroleum  
Instrument ID: Instrument 1 GC Method: Quesbtex  
Data File: QPC63.D  
Date Sampled: 11/30/2009

Component	Mol%	Wt%	LV%
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Methane	93.0957	84.5318	89.2315
Ethane	3.6124	6.1479	5.4778
Propane	1.8220	4.5475	2.8407
Isobutane	0.2847	0.9365	0.5269
n-Butane	0.5097	1.6768	0.9092
Neopentane	0.0030	0.0122	0.0065
Isopentane	0.1459	0.5958	0.3022
n-Pentane	0.1243	0.5076	0.2547
2,2-Dimethylbutane	0.0015	0.0074	0.0036
2,3-Dimethylbutane	0.0074	0.0360	0.0171
2-Methylpentane	0.0296	0.1445	0.0695
3-Methylpentane	0.0148	0.0722	0.0342
n-Hexane	0.0296	0.1441	0.0687
Heptanes	0.0311	0.1631	0.0696
Octanes	0.0031	0.0188	0.0084
Nonanes	0.0002	0.0017	0.0007
Decanes plus	0.0005	0.0044	0.0019
Nitrogen	0.2837	0.4497	0.1760
Carbon Dioxide	0.0008	0.0020	0.0008
Oxygen	0.0000	0.0000	0.0000
Hydrogen Sulfide	0.0000	0.0000	0.0000
Total	100.0000	100.0000	100.0000

## Units

Global Properties		
Gross BTU/Real CF	1097.9	BTU/SCF at 60°F and 14.73 psia
Sat.Gross BTU/Real CF	1080.0	BTU/SCF at 60°F and 14.73 psia
Gas Compressibility (Z)	0.9975	
Specific Gravity	0.6114	air=1
Avg Molecular Weight	17.668	gm/mole
Propane GPM	0.500921	gal/MCF
Butane GPM	0.253257	gal/MCF
Gasoline GPM	0.145184	gal/MCF
26# Gasoline GPM	0.305620	gal/MCF
Total GPM	0.899464	gal/MCF
Base Mol%	99.453	%v/v
Sample Temperature:	65	°F
Sample Pressure:	440	psig

Reviewed By: \_\_\_\_\_

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DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Component	Mol%	Wt%	LV%
Benzene	0.0008	0.0036	0.0013
Toluene	0.0002	0.0010	0.0004
Ethylbenzene	0.0000	0.0000	0.0000
M&P Xylene	0.0000	0.0000	0.0000
O-Xylene	0.0000	0.0000	0.0000
2,2,4-Trimethylpentane	0.0013	0.0086	0.0038
Cyclopentane	0.0000	0.0000	0.0000
Cyclohexane	0.0057	0.0273	0.0110
Methylcyclohexane	0.0044	0.0242	0.0099
Description:	18-344D Surface Casing		

## GRI GlyCalc Information

Component	Mol%	Wt%	LV%
Carbon Dioxide	0.0008	0.0020	0.0008
Hydrogen Sulfide	0.0000	0.0000	0.0000
Nitrogen	0.2837	0.4497	0.1760
Methane	93.0957	84.5318	89.2315
Ethane	3.6124	6.1479	5.4778
Propane	1.8220	4.5475	2.8407
Isobutane	0.2847	0.9365	0.5269
n-Butane	0.5097	1.6768	0.9092
Isopentane	0.1489	0.6080	0.3087
n-Pentane	0.1243	0.5076	0.2547
Cyclopentane	0.0000	0.0000	0.0000
n-Hexane	0.0296	0.1441	0.0687
Cyclohexane	0.0057	0.0273	0.0110
Other Hexanes	0.0533	0.2601	0.1244
Heptanes	0.0187	0.0984	0.0432
Methylcyclohexane	0.0044	0.0242	0.0099
2,2,4 Trimethylpentane	0.0013	0.0086	0.0038
Benzene	0.0008	0.0036	0.0013
Toluene	0.0002	0.0010	0.0004
Ethylbenzene	0.0000	0.0000	0.0000
Xylenes	0.0000	0.0000	0.0000
C8+ Heavies	0.0038	0.0249	0.0110
Subtotal	100.0000	100.0000	100.0000
Oxygen	0.0000	0.0000	0.0000
Total	100.0000	100.0000	100.0000