

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
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DE	ET	OE	ES
Document Number: <b>401063850</b>			
Date Received: <b>06/16/2016</b>			

**SUNDRY NOTICE**

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 10396 Contact Name Cheryl Rowell  
 Name of Operator: SWN PRODUCTION COMPANY LLC Phone: (832) 796-7439  
 Address: PO BOX 12359 Fax: ( )  
 City: SPRING State: TX Zip: 77391 Email: cheryl\_rowell@swn.com

Complete the Attachment  
Checklist  
  
OP OGCC

API Number : 05- 081 07679 01 OGCC Facility ID Number: 425424  
 Well/Facility Name: Bret Granbouche Well/Facility Number: 24-02H  
 Location QtrQtr: SESW Section: 2 Township: 6N Range: 92W Meridian: 6  
 County: MOFFAT Field Name: SAND WASH HORIZONTAL NIOBRARA  
 Federal, Indian or State Lease Number: \_\_\_\_\_

Survey Plat		
Directional Survey		
Srfc Eqpmt Diagram		
Technical Info Page		
Other		

**CHANGE OF LOCATION OR AS BUILT GPS REPORT**

- Change of Location \*       As-Built GPS Location Report       As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
 Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

**LOCATION CHANGE (all measurements in Feet)**

Well will be: \_\_\_\_\_ (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr SESW Sec 2

New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec 2

New **Top of Productive Zone** Location **To** Sec \_\_\_\_\_

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec 11 Twp 6N

New **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

Is location in High Density Area? \_\_\_\_\_

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,

property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation \_\_\_\_\_ feet Surface owner consultation date \_\_\_\_\_

FNL/FSL		FEL/FWL	
<u>664</u>	<u>FSL</u>	<u>1983</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>6N</u>	Range <u>92W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
<u>665</u>	<u>FSL</u>	<u>1983</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>6N</u>	Range <u>92W</u>		
Twp _____	Range _____		
<u>713</u>	<u>FSL</u>	<u>1309</u>	<u>FWL</u>
_____	_____	_____	_____
Twp _____	Range _____		
Twp _____	Range _____		

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\*\* attach deviated drilling plan



Comments:

**ENGINEERING AND ENVIRONMENTAL WORK**

NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

SPUD DATE: \_\_\_\_\_

**TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK**

Details of work must be described in full in the COMMENTS below or provided as an attachment.

NOTICE OF INTENT Approximate Start Date 06/16/2016

REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

<input type="checkbox"/> Intent to Recomplete (Form 2 also required)	<input checked="" type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Mangement Plan
<input type="checkbox"/> Change Drilling Plan	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Change	<input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request.	
<input type="checkbox"/> Other _____	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

**COMMENTS:**

Gathering Line Connection Point: Diamond T Sheep 7-92 1-26 location. As the bird flies this connection point is located 15,740' from the Bret Grandbouche 24-02H location.

The project will not payout during the forecasted life of the well. With the discounted loss on investment being over \$400,000, not accounting for severance taxes or operation costs (compression, pigging, chemicals, etc)

See attached economic evaluation for selling the gas currently flared. This evaluation is based upon the following:

Capital Costs: \$944,400  
Gas Price Used \$3.00/MMBtu  
Severance Tax = 0%  
Operating Costs = \$0

The forecasted gas production used in the economic evaluation is gas to flare. The Welker and Bret Grandbouche locations both utilize a heater treater and pumping unit that consume an estimated 4.8 Mcfd and 5.8 Mcfd, respectively.

**CASING AND CEMENTING CHANGES**

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

**H2S REPORTING**

**Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.**

**Gas Analysis Report must be attached.**

H2S Concentration: \_\_\_\_\_ in ppm (parts per million) Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

<b><u>Best Management Practices</u></b>	
<b><u>No BMP/COA Type</u></b>	<b><u>Description</u></b>

**Operator Comments:**

The project will not payout during the forecasted life of the well. Request to flare gas produced. Many of SWN's operated wells are in remote areas. The economics of this well do not support construction of an infrastructure. SWN has continued interest in developing this area and plans to do so when pricing rebounds. SWN operations are in compliance with Rule 805.b.(1). SWN will continue to use CDPHE approved flaring method and any site specific permitting required by the CDPHE. SWN will evaluate power generation, gas to liquids technology, or other options for produced gas for the next annual Sundry filing.

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

Signed: \_\_\_\_\_ Print Name: Cheryl Rowell  
 Title: Sr. Staff Reg. Analyst Email: cheryl\_rowell@swn.com Date: 6/16/2016

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KOESELL, ARTHUR Date: 8/23/2016

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	<p>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.</p> <p>2) Submit annual updates (requests to flare) to COGCC on Form 4s (Sundry Notices), including all information specified in COGCC's "Notice to Operators, Rule 912 Venting or Flaring Produced Natural Gas - Statewide."</p> <p>3) Comply with any Colorado Department of Public Health and Environment, Air Pollution Control Division rules or requirements for all atmospheric discharges.</p> <p>4) An enclosed flare shall be used, unless an open flare is specifically allowed by CDPHE's Regulation 7.</p> <p>5) Within 30 days of approval of this form, submit an Electronic Data Deliverable (EDD), prepared by the laboratory that performed the gas analysis attached to this form. The EDD shall be submitted with a new Form 4, in the format specified on COGCC's website, located in Help =&gt; Environmental =&gt; COGCC EDD Information.</p>
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**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Environmental Data	The attached gas analytical data has been entered in the COENV database.	8/23/2016 8:17:46 AM
Engineer	Added comments from operator to submit information.	8/23/2016 7:16:00 AM
Engineer	Emailed operator requesting additional information required by Notice to Operators.	7/6/2016 9:41:00 AM

Total: 3 comment(s)

**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
401063850	FORM 4 SUBMITTED
401063862	OTHER
401097444	GAS ANALYSIS REPORT

Total Attach: 3 Files