

State of Colorado
Oil and Gas Conservation Commission

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



DE	ET	OE	ES
Document Number: 401001919			
Date Received: 03/08/2016			

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 Brandon Yaw
 Name of Operator: SWN PRODUCTION COMPANY LLC Phone: (832) 796-6043
 Address: PO BOX 12359 Fax: ()
 City: SPRING State: TX Zip: 77391 Email: barndon_yaw@swn.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 081 07672 00 OGCC Facility ID Number: 425037
 Well/Facility Name: Horse Gulch Federal Well/Facility Number: 13-12
 Location QtrQtr: NWSW Section: 12 Township: 6N Range: 93W Meridian: 6
 County: MOFFAT Field Name: WILDCAT
 Federal, Indian or State Lease Number: COC65175

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 NWSW Sec 12

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 _____

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 _____ Twp _____

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>2012</u>	<u>FSL</u>	<u>700</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>6N</u>	Range <u>93W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**

**

** 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 07/01/2016

REPORT OF WORK DONE Date Work Completed _____

<input type="checkbox"/> Intent to Recomplete (Form 2 also required)	<input 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 checked="" type="checkbox"/> Other <u>Cement job</u>	<input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

Southwestern Energy intends to remediate the un-cemented zone on this well. Our plan is to perforate the production casing and squeeze cement to above the surface casing shoe. Cement top will be verified with a CBL.

Due to wildlife stipulations, we are unable to begin this work before July 1, 2016. However, we will make plans to begin the work as soon as the stipulations are lifted.

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:

Best Management Practices

No BMP/COA Type

Description

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Operator Comments:

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

Signed: _____ Print Name: Brandon Yaw

Title: Sr. Staff Reg. Analyst Email: barndon_yaw@swn.com Date: 3/8/2016

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

COGCC Approved: ANDREWS, DAVE Date: 7/2/2016

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

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General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>Operator submitted a Form 6, Notice of Intent to Abandon, on 5/26/2016, COGCC Document #401054040. The Form 6 is being processed by COGCC staff concurrently with this Form 4. The remedial procedure with cement bond log verification of remediation, as described in this Form 4 would be an acceptable alternative to plugging and abandonment if the operator chooses not to plug and abandon the well.</p> <p>Form 4 #400795967 was approved on 3/10/2015, with a COGCC Comment stating, "Form 5 (Drilling Completion Report) #400491755 was conditionally approved on 2/25/2015 without a First String (5-1/2" casing) CBL to verify geologic isolation. A CBL was required per Form 2 (Application for Permit to Drill) #400181843 Condition of Approval #2 (verify cement top with CBL)..." and a Condition of Approval stating, "1) Operator shall run a CBL on the 5-1/2" First String to verify cement coverage across the Mesaverde Group no later than 7/31/2015."</p> <p>Operator ran a Radial Cement Bond Log on 6/22/2015, COGCC Document No. 400857194, with a First String 5+1/2" casing estimated cement top of 3660', which is below the surface casing setting depth of 3415'. Casing pressure was zero, and bradenhead pressure was reported as 25 psi several months prior to running the CBL.</p> <p>Operator submitted a Form 4 #400881925 on 8/11/2015, requesting continued bradenhead monitoring. Casing pressure was reported as zero, and bradenhead pressure was reported as zero on the Form 4. The Form 4 was approved on 9/8/2015 with Comments stating, "A recent CBL was run to verify cement coverage behind the 9+5/8" First String. Top of cement is approximately 3658', with the interval from 3658' to 3415' (surface casing shoe) uncemented. An open hole log in COGCC's well file shows possible coal seams and a few zones with neutron-density crossover in the uncemented interval, which appears to be in the Iles Formation (reported tops MVRD 1200', ILES 2960', MNCS 4406')." and following Conditions of Approval stating, "1) The requested monitoring period shall not exceed six months from this approval, expiring on 3/8/2016. 2) Cement remediation or an isolation demonstration is required by the end of the six month period, or no later than 3/8/2016. This information shall be submitted by Form 4, Sundry Notice, to: 1) describe SWN's plans to remedially cement the uncemented interval, or 2) demonstrate that the existing wellbore configuration is adequate to meet the intent of Rule 209 (Protection of Coal Seams and Water-Bearing Formations) and Rule 317.e. (Casing and cement program to protect hydrocarbon formations and ground water) with regard to prevention of oil, gas, and water from migrating from one formation to another behind the casing."</p> <p>Email Correspondence from the operator to COGCC Engineering staff on 9/10/2016 stated, "After review of the approved Form 4 (Doc #400881925, API 081-07672) extending the monitoring period on the Horse Gulch Federal 13-12 with the condition to plug the well no later than March 8, 2016, SWN would like the COGCC to consider extending the date to July 15, 2016. The well is located in NWSW of S12 T6N R93W, within SWH area, with stipulations from December 1 through March 15. Access to the well site is a 4 mile dirt road. With winter quickly approaching, the average snowfall in the area is 3-4' deep with the only means of access being by snowmobile. Given it is early September, SWN is not be able to engineer and schedule the work and equipment needed to plug the well prior to snowfall 2015. The snow melt in the spring creates extremely muddy conditions rendering the location inaccessible. SWN respectfully requests your consideration to extend the plugging date to July 15, 2016 due weather related conditions."</p> <p>COGCC approved the extension request to 7/15/2016 via email on 9/10/2015, allowing three options: 1) plug and abandon the well; 2) remediate the well to provide cement coverage across the uncemented interval behind the First String [as contemplated by the operator as shown on this Form 4 #401001919]; or provide a geologic isolation demonstration on a new Form 4 to show that the existing wellbore configuration is adequate to meet the intent of Rule 209 and Rule 317.e.</p>	7/2/2016 11:35:27 AM

Total: 1 comment(s)

Attachment Check List

Att Doc Num

Name

401001919	SUNDRY NOTICE APPROVED-OTHER
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401072719	FORM 4 SUBMITTED
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Total Attach: 2 Files