

**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: <b>401131327</b>			
Date Received: <b>10/16/2016</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: 10598 Contact Name Ken Raymond  
 Name of Operator: SANDRIDGE EXPLORATION & PRODUCTION LLC Phone: (405) 429-6630  
 Address: 123 ROBERT S KERR AVE Fax: ( )  
 City: OKLAHOMA CITY State: OK Zip: 73102 Email: kraymond@sandridgeenergy.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 057 06488 00 OGCC Facility ID Number: 300271  
 Well/Facility Name: MUTUAL Well/Facility Number: 4-30H  
 Location QtrQtr: SWSE Section: 30 Township: 7N Range: 80W Meridian: 6  
 County: JACKSON Field Name: NORTH PARK 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 SWSE Sec 30

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 31

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 31 Twp 7N

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>240</u>	<u>FSL</u>	<u>1995</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>7N</u>	Range <u>80W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
<u>623</u>	<u>FNL</u>	<u>2451</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>7N</u>	Range <u>80W</u>		
Twp _____	Range _____		
<u>568</u>	<u>FSL</u>	<u>623</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>7N</u>	Range <u>80W</u>		
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 \_\_\_\_\_

REPORT OF WORK DONE Date Work Completed 10/11/2016

<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 type="checkbox"/> Other _____	<input checked="" type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

Please find attached the Final Subsurface Environmental Site Investigation Report for the SandRidge Energy Mutual 4-30H (API No. 05-057-06488).

**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

<u>No BMP/COA Type</u>	<u>Description</u>

Operator Comments:

Refer to comments provided in the Technical Engineering & Environmental Work Section of the Engineering/Environmental Tab.

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

Signed: \_\_\_\_\_ Print Name: Ken Raymond

Title: EH&S Manager Email: kraymond@sandridgeenergy.com Date: 10/16/2016

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

COGCC Approved: NEIDEL, KRIS Date: 10/26/2016

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	<ul style="list-style-type: none"> <li>•Conditionally approved, however, additional information or activities may be required during the course of remediation.</li> </ul>
	<ul style="list-style-type: none"> <li>•On future submittals under Well/Location, use Location ID: 33288and reference 9816.</li> </ul>
	<ul style="list-style-type: none"> <li>•Request for Closure will NOT be approved without Operator providing notice to Environmental staff, Kris Neidel (kris.neidel@state.co.us) or 970-871-1963 72hrs prior to mobilization at start of work.</li> </ul>
	<ul style="list-style-type: none"> <li>•Storm water controls should be implemented around the E&amp;P Waste and treatment area(s) to prevent storm water run on and run off.</li> </ul>
	<ul style="list-style-type: none"> <li>•COGCC should be notified immediately, in the event that groundwater is encountered during remedial activities. If groundwater is encountered a sample shall be obtained for chemical analyses.</li> </ul>
	<ul style="list-style-type: none"> <li>•Within 30-days of this Sundry approval, provide which remedial option will be implemented and a schedule of when remedial activities will commence.</li> </ul>
	<ul style="list-style-type: none"> <li>•Reclamation shall be in accordance to the COGCC's 900 and 1000 Series Rules.</li> </ul>
	<p>It is stated that "Following treatment, the soil will need to be allowed to sit for a minimum of 24 hours prior to confirmation soil sampling to ensure that chemical reactions were complete and equilibrium in soil is established. LTE, under the direction of SandRidge, will collect one 20-point composite confirmation soil sample representative of each approximately 100 cubic yard interval. Each composite sample shall be field screened using a PID and a Petroflag kit (or equivalent, to verify the reduction in VOCs prior to laboratory analysis."Each composite confirmation sample shall be analyzed for BTEX, TPH-GRO, TPH-DRO.</p>

**General Comments**

**User Group**

**Comment**

**Comment Date**

Permit	Passes permitting.	10/20/2016 9:15:54 AM
Environmental	<p>Page 3 under Discussion of the Supplemental Environmental Site Investigation (EIS) states the that "The COGCC has reviewed the background arsenic concentrations, and based on frequently asked question #31 of the COGCC 2008 Rule Making, has determined that the maximum allowable arsenic concentration of the samples collected during the initial ESI is not to exceed 3.8 mg/kg or 10% above the average of the highest background arsenic concentrations observed at each location."</p> <p>This statement is misleading in that the COGCC has NOT determined that the maximum allowable arsenic concentration of arsenic is not to exceed 3.8 mg/kg, but rather, the operator has demonstrated to the COGCC's satisfaction that the arsenic level is exceeded by the background level in the native soils.</p>	10/19/2016 1:50:01 PM

Total: 2 comment(s)

**Attachment Check List**

**Att Doc Num**

**Name**

401131327	SUNDRY NOTICE APPROVED-REMEDIATION-DOC
401131328	OTHER
401137681	FORM 4 SUBMITTED

Total Attach: 3 Files