

State of Colorado
Oil and Gas Conservation Commission

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DE	ET	OE	ES
Document Number: 401131327			
Date Received: 10/16/2016			

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

**

**

** attach deviated drilling plan

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

<u>Objective Formation</u>	<u>Formation Code</u>	<u>Spacing Order Number</u>	<u>Unit Acreage</u>	<u>Unit Configuration</u>

OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name MUTUAL Number 4-30H Effective Date: _____

To: Name _____ Number _____

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number _____ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number _____ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number _____ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: _____

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☒ **DOCUMENTS SUBMITTED** Purpose of Submission: Final Subsurface Environmental Site Investigation Report

RECLAMATION**INTERIM RECLAMATION**

☐ Interim Reclamation will commence approximately _____

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

Field inspection will be conducted to document Rule 1003.e. compliance

FINAL RECLAMATION

☐ Final Reclamation will commence approximately _____

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

Field inspection will be conducted to document Rule 1004.c. compliance

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

- ☐ Intent to Recomplete (Form 2 also required)☐ Request to Vent or Flare☐ E&P Waste Mangement Plan
- ☐ Change Drilling Plan☐ Repair Well☐ Beneficial Reuse of E&P Waste
- ☐ Gross Interval Change☐ Rule 502 variance requested. Must provide detailed info regarding request.
- ☐ Other _____☒ 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

Operator Comments:

Refer to comments provided in the Technical Engineernig & 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**

	•Conditionally approved, however, additional information or activities may be required during the course of remediation.
	•On future submittals under Well/Location, use Location ID: 33288and reference 9816.
	•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.
	•Storm water controls should be implemented around the E&P Waste and treatment area(s) to prevent storm water run on and run off.
	•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.
	•Within 30-days of this Sundry approval, provide which remedial option will be implemented and a schedule of when remedial activities will commence.
	•Reclamation shall be in accordance to the COGCC's 900 and 1000 Series Rules.
	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.

General Comments**User Group****Comment****Comment Date**

Permit	Passes permitting.	10/20/2016 9:15:54 AM
Environmental	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." 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.	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