

**FORM
INSP**Rev
X/15**State of Colorado
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

07/26/2019

Submitted Date:

07/09/2019

Document Number:

692401138**FIELD INSPECTION FORM**Loc ID 445005 Inspector Name: Colby, Lou On-Site Inspection ☐ 2A Doc Num: _____**Operator Information:**OGCC Operator Number: 10598Name of Operator: SANDRIDGE EXPLORATION & PRODUCTION LLCAddress: 123 ROBERT S KERR AVECity: OKLAHOMA CITY State: OK Zip: 73102**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**12 Number of Comments5 Number of Corrective Actions☒ Corrective Action Response Requested**ANY CORRECTIVE ACTION(S) FROM
PREVIOUS INSPECTIONS THAT HAVE NOT
BEEN ADDRESSED ARE STILL APPLICABLE****Contact Information:**

Contact Name	Phone	Email	Comment
Church, Matt	405-651-6853	mchurch@sandridgeenergy.com	
		sandridgeenvironmental@sandridgeenergy.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
445004	WELL	PR	03/01/2019		057-06551	SU 0680 3-9H16	RI
445006	WELL	PR	03/01/2019		057-06552	SU 0680 6-4H	RI
458559	WELL	PR	03/01/2019		057-06611	SU 0680 12-9H16	RI

General Comment:

This is an Interim Reclamation & Stormwater focused Inspection, a Joint Inspection with Field Inspector Emily Waldron, Any Corrective Actions from previous Inspections that have not been addressed are still applicable. Location was built in late Fall 2018. Three PR Wells are on site and thirteen APDs in Process. This site lies within a Sensitive Wildlife Habitat; Greater Sage Grouse and within CPW Black Bear Area.

Inspected Facilities

Facility ID: <u>445004</u>	Type: <u>WELL</u>	API Number: <u>057-06551</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
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Facility ID: <u>445006</u>	Type: <u>WELL</u>	API Number: <u>057-06552</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
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Facility ID: <u>458559</u>	Type: <u>WELL</u>	API Number: <u>057-06611</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
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Reclamation - Storm Water - Pit**Interim Reclamation:**

Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____

Land Use: RANGELAND

Comment: [Interim Reclamation not yet installed. 2A had schedule for Interim 10/29/19.](#)**1002 SITE PREPARATION AND STABILIZATION**

1002a. FENCING _____ Pass _____

Comment [Barb Wire.](#)

Corrective Action _____ Date _____

1002b. SOIL REMOVAL AND SEGREGATION _____ Fail _____

Comment [Topsoil is not fully segregated/ stabilized & has the potential for degradation due to mixing with subsoil and wind/water erosion, and has the potential to become a source of sediment pollution. Refer to Photos attached.](#)Corrective Action [Maintain topsoil segregation.](#) Date **07/23/2019**

1002c. PROTECTION OF SOILS _____ Fail _____

Comment [Topsoil is not fully segregated/ stabilized & has the potential for degradation due to mixing with subsoil and wind/water erosion, and has the potential to become a source of sediment pollution. Refer to Photos attached.](#)Corrective Action [Stabilize topsoil stockpile.](#) Date **07/23/2019**

1002E. SURFACE DISTURBANCE MINIMIZATION _____ Fail _____

Comment [Site is out of compliance with 1002.E](#)Corrective Action [COGCC requires that the Following Documents be submitted immediately.
1\) Drill Rig Layout
2\) Hydraulic Fracturing Layout
3\) Interim Reclamation Plan](#) Date _____

1003a. Waste and Debris removed? _____

Comment [Addressed in FIU Inspection.](#)

Corrective Action _____ Date _____

Unused or unneeded equipment onsite? _____ Fail _____

Comment [Discarded T posts by cattle guard entry.](#)Corrective Action [Remove unused equipment from site.](#) Date **07/23/2019**

Pit, cellars, rat holes and other bores closed? _____

Comment _____

Corrective Action _____ Date _____

Guy line anchors marked? _____

Comment _____

Corrective Action _____ Date _____

- 1003b. Area no longer in use? _____ Production areas stabilized ? _____
- 1003c. Compacted areas have been cross ripped? _____
- 1003d. Drilling pit closed? _____ Subsidence over on drill pit? _____
- Cuttings management: _____
- 1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? _____
- Production areas have been stabilized? _____ Segregated soils have been replaced? _____

RESTORATION AND REVEGETATIONCropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

1003 f. Weeds Noxious weeds? _____ P _____

Comment Interim not yet installed. From 2A it appears site footprint would not be much reduced; only by .09 acres after Interim Reclamation.

Corrective Action Date _____

Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: RANGELAND

Reminder: _____

Comment:

Well plugged _____ Pit mouse/rat holes, cellars backfilled _____

Debris removed _____ No disturbance /Location never built _____

Access Roads _____ Regraded _____ Contoured _____ Culverts removed _____

Gravel removed _____

Location and associated production facilities reclaimed _____ Locations, facilities, roads, recontoured _____

Compaction alleviation _____ Dust and erosion control _____

Non cropland: Revegetated 80% _____ Cropland: perennial forage _____

Weeds present _____ Subsidence _____

1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% _____

TRANSECT RESULTS OF REFERENCE AREA% _____

TOTAL % OF DESIRABLE VEGETATION COVER _____

VEGETATIVE COVER _____

Comment:

Corrective Action: Date _____

Overall Final Reclamation _____ Well Release on Active Location ☐ Multi-Well Location ☐

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Silt Fences	Fail					
Other	Fail					Weir
Waddles	Fail					
		Other	Fail			Lack of BMPs on access road & entry.

Comment: Silt fence is compromised in numerous areas all along site perimeter; overwhelmed with sediment at points and being undercut by stormwater in others. In one area silt fence has been completely buried by dirt work on site. Large amount of sediment migration off of site is occurring. Wattles separating topsoil from subsoil need maintenance. There is absence of BMPs at entries and along access road, allowing sediment migration. Weir is not installed in position to function properly, has no settling BMP receiving & is conveying SW directly into silt fence, no series of BMPs to settle sediment, dissipate energy or discharge stormwater. Refer to Photo Log attached.

Corrective Action: Install sufficient/effective BMPs in accordance with, and monitoring per Good Engineering Practices per Rule 1002.f ; Using redundant BMPs in series to minimize overloading & prevent potential failures. Address erosion control as primary measure & address sediment control as secondary measure.

Shorter CA date is given because of concern of monsoon rains further exacerbating the sediment migration concerns at site.

Date: 07/23/2019

Pits: ☐ NO SURFACE INDICATION OF PIT

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
692401167	Inspection Photos RI	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4872224