

**FORM  
INSP**Rev  
05/11**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
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Inspection Date:

12/12/2014

Document Number:

675000003

Overall Inspection:

**ACTION REQUIRED****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	287647	313333	ANDREWS, DAVE	<input type="checkbox"/>	

**Operator Information:**

OGCC Operator Number: 10396

Name of Operator: SOUTHWESTERN ENERGY PRODUCTION COMPANY

Address: PO BOX 12359

City: SPRING State: TX Zip: 77391

- ☒ THIS IS A FOLLOW UP INSPECTION
- ☒ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED
- ☐ INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

**Contact Information:**

Contact Name	Phone	Email	Comment
Rowell, Cheryl	713-542-0648	Cheryl_Rowell@swn.com	Senior Regulatory Analyst
Waldron, Emily	970-819-9609	emily.waldron@state.co.us	COGCC Field Inspector
Yaw, Brandon	713-417-8537	brandon_yaw@swn.com	Production Engineer
Andrews, Dave	970-625-2497 Ext 1	david.andrews@state.co.us	COGCC Engineering Supervisor
Burke, Sean	501-339-7059	sean_burke@swn.com	

**Compliance Summary:**

QtrQtr:	<u>NWNW</u>	Sec:	<u>12</u>	Twp:	<u>7N</u>	Range:	<u>93W</u>
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
12/11/2014	675000002	TA	WK	ACTION REQUIRED			No
10/03/2014	673401217	TA	TA	ALLEGED VIOLATION			Yes
03/21/2014	673400316	TA	TA	SATISFACTORY			No
11/07/2012	669300258	TA	TA	SATISFACTORY	P		No
05/11/2011	200311776	PR	TA	SATISFACTORY			No
10/04/2010	200281520	PR	TA	SATISFACTORY			No
07/02/2007	200118173	ID	TA	SATISFACTORY			No

**Inspector Comment:**

Dave Andrews arrived at 10:30. On location to witness plugging operations only (repair or plugging was a required corrective action shown on 10/03/2014 Field Inspection Report #673401217). See 10/03/2014 Field Inspection Report #673401217 for other COGCC observations at this location. Approved plugging change for Form 6 #400738946 prior to arrival on location: tagged yesterday's plug low at 1016' (planned top was 908', above old top remedial squeeze perf at 980'). Approved additional 200' plug to cover old squeeze perfs from 1016' to 816', with no tag required. Checked in with plugging contractor upon arrival: actually set 30 sx cement (250' plug from 1016' to approximately 766'). Status of this Field Inspection Report is Action Required because plugging is incomplete. Plugging contractor intends to return to the location on Monday 12/15/2014 to cut off casing and set surface plug. Dave Andrews off location at 10:55.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
287647	WELL	TA	09/18/2013	GW	081-07355	ANTIETAM 11-12	WK	<input checked="" type="checkbox"/>

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: _____	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

Emergency Contact Number (S/A/V): \_\_\_\_\_

Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

**Spills:**

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?**Venting:**

Yes/No	Comment

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 287647

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/A/V:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:****S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Wildlife BMPs:****S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Stormwater:****Comment:** \_\_\_\_\_**Staking:****On Site Inspection (305):**Surface Owner Contact Information:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Operator Rep. Contact Information:

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

LGD Contact Information:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

Summary of Landowner Issues:Summary of Operator Response to Landowner Issues:Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:**Facility**

Facility ID: 287647 Type: WELL API Number: 081-07355 Status: TA Insp. Status: WK

**Cement****Cement Contractor**Contractor Name: Continental - RyanContractor Phone: 307-473-1581**Surface Casing**

Cement Volume (sx): \_\_\_\_\_

Circulate to Surface: \_\_\_\_\_

Cement Fall Back: \_\_\_\_\_

Top Job, 1" Volume: \_\_\_\_\_

**Intermediate Casing**

Cement Volume (sxs): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

**Production Casing**

Cement Volume (sx): \_\_\_\_\_

Good Return During Job: \_\_\_\_\_

**Plugging Operations**Depth Plugs(feet range): 1016' - 430'Cement Volume (sx): 50Good Return During Job: YESCement Type: Class G

Comment: Cement volume includes fourth plug (30 sx cement) prior to COGCC arrival on location. TOOHH with tubing on arrival. Tubing at 600' for fifth plug. Start pumping slurry at 10:40 at a rate of approximately 1 bpm. Weight varied from 15.9 to 16.0 ppg during job. Pumped 2.43 bbls slurry (20 sx cement), followed by 1.40 bbls water displacement. Good circulation during job. Fifth plug done at 10:44. Went as planned. TOOHH with tubing. Plan to set surface plug on Monday 12/15/2014.

**Workover**Comment: Plugging and abandonment in progress.**Environmental****Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Reportable: \_\_\_\_\_ GPS: Lat \_\_\_\_\_ Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_ Depth to Ground Water: \_\_\_\_\_

**Water Well:**

DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS : \_\_\_\_\_ Lat \_\_\_\_\_ Long \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

Emission Control Burner (ECB): \_\_\_\_\_

Comment: \_\_\_\_\_

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit****Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: \_\_\_\_\_

Comment: \_\_\_\_\_

1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Waste Material Onsite? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Unused or unneeded equipment onsite? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Guy line anchors removed? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA Date \_\_\_\_\_  
 Guy line anchors marked? \_\_\_\_\_ CM \_\_\_\_\_  
 CA \_\_\_\_\_ CA 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 REVEGETATION

##### Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

##### Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_

Comment: \_\_\_\_\_

Overall Interim Reclamation \_\_\_\_\_

#### **Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: \_\_\_\_\_

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 \_\_\_\_\_

Comment: \_\_\_\_\_

Inspector Name: ANDREWS, DAVE

Corrective Action: <input style="width: 60%;" type="text"/>				Date <input style="width: 20%;" type="text"/>		
Overall Final Reclamation <input style="width: 30%;" type="text"/>		Well Release on Active Location <input style="width: 10%;" type="checkbox"/>		Multi-Well Location <input style="width: 10%;" type="checkbox"/>		
<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
S/A/V: <input style="width: 30%;" type="text"/>		Corrective Date: <input style="width: 40%;" type="text"/>				
Comment: <input style="width: 100%;" type="text"/>						
CA: <input style="width: 100%;" type="text"/>						
<b>Pits:</b> <input style="width: 10%;" type="checkbox"/> NO SURFACE INDICATION OF PIT						

COGCC Comments		
Comment	User	Date
Follow up inspection required after plugging and abandonment to verify that well has been plugged to surface.	andrewd	12/15/2014

## **ACTION REQUIRED**

**ANY ACTION REQUIRED** items listed on this report indicate that the oil and gas facility or the oil and gas operations listed on the report may be in violation of the rules and regulations of the Colorado Oil and Conservation Commission (“COGCC”) and corrective action is required.

There is reasonable cause to believe that a violation of the Oil and Gas Conservation Act, or of any rule, regulation, or order of the Commission, or of any permit issued by the Commission, has occurred. The Operator’s compliance with this Inspection Report is required to resolve these alleged violations. This document requires the Operator to timely respond to the COGCC and to comply with directives as listed by the **Corrective Action Deadline Date**. Failure to do so will result in the issuance of a Notice of Alleged Violation and initiation of enforcement proceedings in which COGCC will seek monetary penalties for the alleged violations pursuant to § 34-60-121, C.R.S. and Rule 523, COGCC Rules of Practice and Procedure, 2 CCR 404-1. (Please note that the COGCC's penalty authority was recently increased to a maximum of \$15,000 per day and penalties are no longer capped at a maximum of \$10,000 per violation.)