

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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DE	ET	OE	ES
Document Number: 400672189			
Date Received: 08/26/2014			

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: <u>10396</u>	Contact Name <u>Cheryl Rowell</u>
Name of Operator: <u>SOUTHWESTERN ENERGY PRODUCTION COMPANY</u>	Phone: <u>(281) 618-7439</u>
Address: <u>2350 N SAM HOUSTON PKWY EAST #125</u>	Fax: <u>()</u>
City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77032</u>	Email: <u>cheryl_rowell@swn.com</u>

Complete the Attachment
Checklist

OP OGCC

API Number : <u>05-0810781100</u>	OGCC Facility ID Number: <u>438579</u>
Well/Facility Name: <u>WELKER 6-92</u>	Well/Facility Number: <u>1-2H11</u>
Location QtrQtr: <u>SESE</u> Section: <u>2</u> Township: <u>6N</u> Range: <u>92W</u> Meridian: <u>6</u>	
County: <u>MOFFAT</u> Field Name: <u>WILDCAT</u>	
Federal, Indian or State Lease Number: <u></u>	

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 40.494431 PDOP Reading 1.3 Date of Measurement 07/23/2014
Longitude -107.680236 GPS Instrument Operator's Name John Floyd

LOCATION CHANGE (all measurements in Feet)

Well will be: HORIZONTAL (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr SESE Sec 2

New **Surface** Location **To** QtrQtr SESE Sec 2

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 2

New **Top of Productive Zone** Location **To** Sec 2

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec 11 Twp 6N

New **Bottomhole** Location Sec 11 Twp 6N

Is location in High Density Area? No

Distance, in feet, to nearest building 3117, public road: 4945, above ground utility: 3550, railroad: 5280,
property line: 685, lease line: 662, well in same formation: 715

Ground Elevation 6501 feet Surface owner consultation date 04/25/2014

FNL/FSL		FEL/FWL	
<u>660</u>	<u>FSL</u>	<u>785</u>	<u>FEL</u>
<u>685</u>	<u>FSL</u>	<u>787</u>	<u>FEL</u>
Twp <u>6N</u>	Range <u>92W</u>	Meridian <u>6</u>	
Twp <u>6N</u>	Range <u>92W</u>	Meridian <u>6</u>	
<u>87</u>	<u>FSL</u>	<u>1062</u>	<u>FEL</u>
<u>63</u>	<u>FSL</u>	<u>928</u>	<u>FEL</u>
Twp <u>6N</u>	Range <u>92W</u>		
Twp <u>6N</u>	Range <u>92W</u>		
<u>662</u>	<u>FSL</u>	<u>1257</u>	<u>FEL</u>
<u>661</u>	<u>FSL</u>	<u>1977</u>	<u>FEL</u>

** 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 WELKER 6-92 Number 1-2H11 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: Attached Location Plat & Directional Plan Pkg.

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 09/22/2014

☐ 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 checked="" 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 type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases | |

COMMENTS:

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
Surface String	17	1		2	13	3		8	54.5	0	1200	737	1200	0
First String	12	1		4	9	5		8	40	0	6000	1366	6000	700
Second String	8	3		4	5	1		2	20	0	12565	1482	12565	5500

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:

Southwestern request to move the SHL 25' in order assure proper placement of the rig on location to allow for rig up/rig down desired traffic pattern.
Southwestern also request a change in the bottom hole location due to recent data captured while drilling/completing an adjacent well. There is no change to the objective formations.

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

Signed: _____ Print Name: Cheryl Rowell
Title: Sr. Staff Reg Analyst Email: cheryl_rowell@swn.com Date: 8/26/2014

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, DAVID Date: 9/16/2014

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	Isolation objectives stated as Condition of Approval #2 on Form 2 #400614072 remain unchanged: (2) CEMENT ON THE INTERMEDIATE CASING (9+5/8" FIRST STRING) MUST EXTEND INTO THE SURFACE CASING (MINIMUM 200' LAP ABOVE SURFACE CASING SHOE) TO PROVIDE ISOLATION OF ALL CRETACEOUS FORMATIONS (INCLUDING THE MESAVERDE GROUP AND THE LEWIS SHALE FORMATION) OIL, GAS, AND WATER-BEARING SANDSTONE AND COALBED FORMATIONS THAT ARE NOT OTHERWISE COVERED BY SURFACE CASING. VERIFY INTERMEDIATE CASING (9+5/8" FIRST STRING) CEMENT COVERAGE WITH A CBL.
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General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Pushed form to ON HOLD, pending operator response to COGCC Engineering questions on 9/16/2014. Added new casing and cement configuration, per an operator request via email on 9/16/2014. Isolation objectives with new configuration are consistent with the original proposed configuration, and the new first string setting depth will still be set far below the Mancos Formation top. Added Notice of Intent date of 9/22/2014 (operator's planned MIRU date) and checked box for "Change Drilling Plans." New PTMD is 12,565' and new PTVD is 7,400'.	9/16/2014 4:29:02 PM
Permit	Added dist. to lease line and dist. to nearest well to form.	9/16/2014 4:26:46 PM
Engineer	The following formations are currently approved as objective formations: MNCS and NBRR. No deeper objective formation(s) will be completed as a result of this increase in total measured depth.	9/16/2014 8:36:00 AM
Engineer	Re-Checked offset wells for potential mitigation concerns. No additional wells within 1500' of this wellbore as a result of the SHL and BHL moves. Evaluation comments for offset well Silver 9-11 (05-081-06556) are provided on this well's approved Form 2 #400614072 (no offset mitigation required).	9/16/2014 8:32:22 AM
Permit	The operator provided the Well location plat, but the Deviated drilling plan and the directional data was not attached but was imported. Operator provided Deviated drilling plan and directional data template.	9/5/2014 7:22:03 AM

Total: 5 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1345214	DIRECTIONAL DATA
1345215	WELL LOCATION PLAT
400672189	FORM 4 SUBMITTED
400676768	FORM 4 SUBMITTED
400678584	FORM 4 SUBMITTED
400680063	DEVIATED DRILLING PLAN
400680067	FORM 4 SUBMITTED

Total Attach: 7 Files