

**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: <u>400719255</u>			
Date Received: <u>10/29/2014</u>			

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

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 107 06263 00 OGCC Facility ID Number: 437726  
 Well/Facility Name: North Hayden Well/Facility Number: 1-26  
 Location QtrQtr: SENE Section: 26 Township: 7N Range: 88W Meridian: 6  
 County: ROUTT Field Name: WILDCAT  
 Federal, Indian or State Lease Number: CO92785.001

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:

FNL/FSL	FEL/FWL
<u>1927</u> FNL	<u>268</u> FEL

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

Current **Surface Location From** QtrQtr SENE Sec 26 Twp 7N Range 88W Meridian 6  
 New **Surface Location To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_ Meridian \_\_\_\_\_

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 \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_


New **Top of Productive Zone Location To** Sec \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_

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


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

Current **Bottomhole Location** Sec \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_


\*\* attach deviated drilling plan

New **Bottomhole Location** Sec \_\_\_\_\_ Twp \_\_\_\_\_ Range \_\_\_\_\_

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 \_\_\_\_\_



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 10/29/2014

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:

Well was permitted and drilling plan designed by SWEPI. Southwestern would like to drill to 9531' MD and run & cement production casing to TD.

**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
Conductor casing	30				20				40	0	80	270	80	0
Surface String	17	1		2	13	3		8	54.5	0	1200	729	1200	0
First String	12	1		4	9	5		8	40	0	6700	1595	6700	1000
Second String	8	3		4	5	1		2	20	0	9531	797	9531	6500

**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:

<b><u>Best Management Practices</u></b>	
<b><u>No BMP/COA Type</u></b>	<b><u>Description</u></b>

**Operator Comments:**

Request to drill well to 9531'. Change casing design to run and cement casing to TD.

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: 10/29/2014

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: 10/30/2014

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED. SEE ATTACHED NOTICE. (2) INTERMEDIATE CASING (9+5/8" FIRST STRING) CEMENT MUST PROVIDE COVERAGE OF ALL CRETACEOUS FORMATIONS PENETRATED BY THE PRODUCTION HOLE, INCLUDING ANY PORTION OF THE MESAVERDE GROUP AND LEWIS FORMATION THAT IS PRESENT BELOW THE SURFACE CASING SHOE. INTERMEDIATE CASING (9+5/8" FIRST STRING) CEMENT SHALL LAP A MINIMUM OF 200' INTO THE SURFACE CASING, AND CEMENT COVERAGE VERIFICATION BY CBL IS REQUIRED.
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**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	OFFSET WELL EVALUATION: NO EXISTING OFFSET OIL AND GAS WELLS W/IN 1500' OF THIS PROPOSED WELLBORE.	10/29/2014 3:45:45 PM
Engineer	THE PROPOSED SURFACE CASING IS MORE THAN 50 FEET BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 1,000 FEET DEEP.	10/29/2014 3:42:26 PM

Total: 2 comment(s)

**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400719255	FORM 4 SUBMITTED

Total Attach: 1 Files