

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



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Date Received:			

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: 47120 Contact Name CHERYL LIGHT
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6461
 Address: P O BOX 173779 Fax: (720) 929-7461
 City: DENVER State: CO Zip: 80217-3779 Email: cheryl.light@anadarko.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 43575 00 OGCC Facility ID Number: 447749
 Well/Facility Name: NORDEN Well/Facility Number: 1N-14HZ
 Location QtrQtr: SWSE Section: 14 Township: 1N Range: 67W Meridian: 6
 County: WELD Field Name: WATTENBERG
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srfc 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
478 FSL	1856 FEL

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

Current Surface Location From	QtrQtr <u>SWSE</u>	Sec <u>14</u>	Twp <u>1N</u>	Range <u>67W</u>	Meridian <u>6</u>
New Surface Location To	QtrQtr <u> </u>	Sec <u> </u>	Twp <u> </u>	Range <u> </u>	Meridian <u> </u>

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

888 FSL	1011 FEL

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current Top of Productive Zone Location From	Sec <u>14</u>	Twp <u>1N</u>	Range <u>67W</u>
New Top of Productive Zone Location To	Sec <u> </u>	Twp <u> </u>	Range <u> </u>

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

49 FNL	912 FEL

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

Current Bottomhole Location	Sec <u>14</u>	Twp <u>1N</u>	Range <u>67W</u>	** attach deviated drilling plan
New Bottomhole Location	Sec <u> </u>	Twp <u> </u>	Range <u> </u>	

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 07/05/2018

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 type="checkbox"/> Change Drilling Plan	<input checked="" 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:

During initial pressure test operations prior to stimulation, a leak was located at approximately 5611' MD in the 7" casing. To seal the casing at that depth before stimulation, a 4.5" tie-back string will be run and cemented to an estimated top of cement of 2234' between the 7" and 4.5" annulus.

PROCEDURE:

- o Utilize a dump bailer to spot sand over current RBP at 6150' MD
- o Polish the current PBR at 6107' MD using a Polish Mill Assembly
- o Tie back string will be 4.5" 11.6 ppf, P-110 casing sitting inside current 7" 26 ppf, HCP-110 casing
- o 72 bbl (292 sks) of 50/50 POZ-MIX 13.5 ppg (1.388 cu ft/sk) cement will be displaced to the annulus of the 4.5" and 7" casing, indicating TOC at approximately 2234' MD
- o Underdisplace and leave 3 bbl (13 sks) of 50/50 POZ-MIX 13.5 ppg (1.388 cu ft/sk) cement in the 4.5" casing (the 3 bbl inside the 4.5" casing will be drilled out after it has cured)
 - Total 50/50 POZ-MIX 13.5 ppg (1.388 cu ft/sk) Cement Volume = 75 bbl (305 sks) pumped
- o Land the tie back string with a Weatherford seal assembly in the current PBR at 6107' MD
 - Utilize a mandrel hanger to hang off the tie back string at surface
 - A MTH-2 GE 5-1/8" x 4-1/16" Tubing Head will be installed on top of the current T-EBS-F GE 11"x7-1/16" Tubing Head
- o Pressure test the annulus to ensure seal assembly and cement are holding
- o Drillout the cement using a 3-7/8" mill
- o Pressure test the 4.5" tieback string
- o Retrieve RBP that is set at 6150' MD
- o RDMO

Questions please contact Cody Bourgeois (720) 899-1786

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:

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

Signed: _____ Print Name: CHERYL LIGHT

Title: Staff Regulatory Analyst Email: DJREGULATORY@ANADARKO.COM Date: _____

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401692834	WELLBORE DIAGRAM

Total Attach: 1 Files