

**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: <b>401490528</b>			
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 16179 00 OGCC Facility ID Number: 248381  
 Well/Facility Name: WOOLLEY Well/Facility Number: 34-11M  
 Location QtrQtr: NESW Section: 34 Township: 2N Range: 68W 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	
1650	FSL	1550	FWL

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

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Current **Surface** Location **From** QtrQtr NESW Sec 34

Twp	<u>2N</u>	Range	<u>68W</u>	Meridian	<u>6</u>
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New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

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

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

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Current **Top of Productive Zone** Location **From** Sec \_\_\_\_\_

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

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

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

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

Range		** attach deviated drilling plan
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New **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

Range	
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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    01/02/2018

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:**

**SAFETY PREP PROCEDURE - Annular Fill**

1. Well needs a Fox Hills annular fill.
2. Well has gyro ran on 12/23/2013.
3. MIRU Slickline. Pull production equipment. Record tag depth in OpenWells. RD slickline.
4. Prepare location for base beam equipped rig. Install perimeter fence as needed.
5. Check and record bradenhead pressure. If bradenhead valve is not accessible, re-plumb so that valve is above GL. Blow down bradenhead and re-check pressure the next day. Repeat until pressure stays at 0 psi.
6. MIRU WO rig. Spot 25 jts of 2-3/8" 4.7# J-55 tbg.
7. Kill well as necessary with biocide treated freshwater. If pressure does not blow down within 1 hour contact engineer, otherwise proceed.
8. ND wellhead, NU BOP.
9. PU 8-10' pup joint with TIW valve on top and screw into the tbg hanger. Unseat and LD the landing joint.
10. MIRU EMI services. Unseat packer @ 7237'. EMI 2-3/8" tbg while TOO and tally while standing back. Lay down joints that have greater than 35% penetration or wall loss. Replace all joints that fail EMI testing. Document joint numbers and depth of bad tubing and create a Production Equipment Failure Report in OpenWells. RDMO EMI services.
11. PU and TIH with (4.5", 11.6#) bit and scraper to 7250'. TOO and SB all tbg. LD bit and scraper.
12. PU 10,000 psi rated from above and below RBP (4.5", 11.6#), retrieving head, and 2-3/8" tbg. Set RBP at +/- 4500'(Collars at 4476' and 4519').
13. Release tbg from RBP and circulate all gas out of the hole. Pumping biocide treated freshwater, pressure test RBP and production casing to 500 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.
14. Dump 2 sx sand on top of RBP. TOO and SB all 2-3/8" tbg.
15. ND BOP. ND wellhead. Un-land casing using a casing spear, not a lifting sub. Max pull shall be 100,000#. If unable to unland, contact Engineering. NU double entry flange and BOP. Install 1.66" pipe rams.
16. PU 1.66" 2.33# J-55 10 RD tubing and TIH between the 4-1/2" production casing and 8-5/8" surface casing/open hole to 1210' while continuously circulating. Make 2 sweeps of DF 20-20 while TIH. (annular volume ~ 78 bbls @ 1210') if unable to make it to 1210' call Engineering.
17. Circulate with the rig pump to condition the hole or until well is completely dead. Pump a final sweep of DF 20-20 at 1210' (annular volume 78 bbls). Circulate a minimum of 1.5 annular volumes and ensure well is dead. If not able to circulate dead, contact engineering.
18. MIRU Cementing. Establish circulation and pump 20 bbls (5 bbls of water, 10 bbls of sodium silicate, and 5 bbls water) spacer, 270 sx SLB TXI Gas Blok Fox Hills Annular cement (313.2 cf, 55.8 bbls) 14 ppg, 1.15 yld. Calculations based on 654' in the annulus between 7.88" hole and 4.5" casing with 60% excess, and 201' in the annulus between the 8-5/8" casing and 4.5" production casing with no excess. Attempt to cement from 1210'-355'.
19. TOO with 1.66" 2.3# J-55 10 RD IJ tubing until EOT is at 200' and LD extra tbg. Circulate with freshwater 1.5 times the hole volume or until returns are clean. RDMO Cementers.
20. TOO and LD all 1.66" 2.3# tbg. ND BOP and double entry flange. Use 4-1/2" casing spear to re-land 4-1/2" casing. NU WH and BOP. Install 2-3.8" pipe rams. Shut well in and WOC for a minimum of 24 hours.
21. MIRU WL and run CCL-GR-CBL-VDL from +/- 2000' (below the original TOC) to surface. If the cement is not at or above 506' (50' inside casing shoe), contact engineer. RDMO WL. In addition to normal handling, of logs/job summaries, email copies of all cement job logs/job summaries and invoices to DJVendors@anadarko.com within 24 hours of the completion of the job.
22. PU and TIH with retrieving head and 2-3/8" tbg.
23. Circulate sand off of RBP. Pressure test casing to 500 psi for 15 minutes. Latch onto and release RBP at 4500'. Circulate gas out of hole. TOO and SB all 2-3/8" tbg, LD RBP.

**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:

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

**Operator Comments:**

- 24. TIH with 2-3/8" NC, 2-3/8" XN nipple, 30 jts of 2-3/8" tubing (to land packer at 7235') 4.5" Arrowset AS-1X packer rated to 10,000 psi (4.5", 11.6#), and tbg to surface. Land tubing at +/- 8122'.
- 25. Set packer at +/- 7235' (collars at 7204' and 7246').
- 26. Load backside with packer fluid and pressure test to 500 psi. Do not load hole with water out of work tank.
- 27. RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP.
- 28. Verify wellhead is 5k flanged. If not, replace wellhead.
- 29. NU WH. RDMO WO rig. Return well to production team.

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: SR 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>
401490530	OTHER
401490531	WELLBORE DIAGRAM

Total Attach: 2 Files