

# State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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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: <u>47120</u>	Contact Name: <u>CANDICE BARBER</u>
Name of Operator: <u>KERR MCGEE OIL &amp; GAS ONSHORE LP</u>	Phone: <u>(970) 515-1671</u>
Address: <u>P O BOX 173779</u>	Fax: <u>( )</u>
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Complete the Attachment  
Checklist

OP OGCC

API Number : 05- <u>123 22300 00</u>	OGCC Facility ID Number: <u>273002</u>
Well/Facility Name: <u>STEWARDSON</u>	Well/Facility Number: <u>31-33</u>
Location QtrQtr: <u>NWNE</u> Section: <u>33</u> Township: <u>1N</u> Range: <u>66W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Field Name: <u>WATTENBERG</u>	
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	
624	FNL	2159	FEL

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

Current <b>Surface</b> Location <b>From</b>	QtrQtr <span style="border: 1px solid black; padding: 2px;">NWNE</span>	Sec <span style="border: 1px solid black; padding: 2px;">33</span>	Twp <span style="border: 1px solid black; padding: 2px;">1N</span>	Range <span style="border: 1px solid black; padding: 2px;">66W</span>	Meridian <span style="border: 1px solid black; padding: 2px;">6</span>
New <b>Surface</b> Location <b>To</b>	QtrQtr <span style="border: 1px solid black; padding: 2px;"> </span>	Sec <span style="border: 1px solid black; padding: 2px;"> </span>	Twp <span style="border: 1px solid black; padding: 2px;"> </span>	Range <span style="border: 1px solid black; padding: 2px;"> </span>	Meridian <span style="border: 1px solid black; padding: 2px;"> </span>

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 <span style="border: 1px solid black; padding: 2px;"> </span>	Range <span style="border: 1px solid black; padding: 2px;"> </span>
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New **Top of Productive Zone** Location **To** Sec  

Twp <span style="border: 1px solid black; padding: 2px;"> </span>	Range <span style="border: 1px solid black; padding: 2px;"> </span>
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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 <span style="border: 1px solid black; padding: 2px;"> </span>	** attach deviated drilling plan
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New **Bottomhole** Location Sec   Twp  

Range <span style="border: 1px solid black; padding: 2px;"> </span>
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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 09/12/2018

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 - REMEDIAL CEMENT JOB AND WH CHANGE

1. Well needs a Fox Hills squeeze from 1420'-1220' for aquifer coverage, casing pressure test, and wellhead change.
2. Contact field foreman or field coordinator before rig up to isolate production equipment if possible. Notify Automation Removal Group at least 24 hours prior to rig move. If surface casing is not accessible at ground level, re-pipe so valve is at ground level. Plug all disconnected valves around wellhead.
3. MIRU Slickline. Pull production equipment. Record tag depth in OpenWells. WELL NEEDS GYRO. 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 an empty tubing float. Kill well as necessary with biocide treated freshwater. ND WH, NU BOP. Unland tbg using unlanding joint and LD.
7. MIRU EMI services. 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.
8. MIRU WL. PU and RIH with (4.5", 11.6#) gauge ring to 7390'. POOH.
9. PU and RIH with (4.5", 11.6#) CIBP. Set CIBP at +/- 7380' (Collars at 7370', 7410'). POOH. RDMO WL.
10. TIH with 2-3/8" tbg to 7380'. Pumping biocide treated fresh water, circulate gas out, pressure test CIBP and production casing to 1000 psi for 15 minutes. If test fails, contact Engineering.
11. TOO and SB all 2-3/8" tubing.
12. MIRU WL and run CCL-GR-CBL-VDL from +/- 4965' to surface. Forward to Engineering. 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 completion of the job. Note that squeeze location may change depending on log results.
13. PU and RIH with one 1' 3-1/8" perf guns with 3 spf, 0.5" EHD, 120° phasing. Shoot 1' of squeeze holes at 1420'. POOH. RDMO WL.
14. PU and TIH with (4.5", 11.6#) CICR on 2-3/8" tbg while hydrotesting to 4000 psi and set at +/- 1390'. Establish circulation through squeeze holes with biocide treated freshwater and circulate a minimum of 100 bbls through squeeze holes. Max circulating pressure should be 590 psi at 2 BPM.
15. MIRU Cementing. Establish circulation and pump 20 bbls (5 bbls of water, 10 bbls of sodium silicate, and 5 bbls water) spacer, 55 sx Fox Hills cement (85 cf, 15 bbls) 14 ppg, 1.55 yld. Underdisplace by 1 bbls. Calculations based on 100' in the annulus between 7.88" hole and 4.5" casing with 100% excess, 100' in the annulus between 8-5/8" surface casing and 4.5" casing, 30' below CICR in 4.5" casing, and 64' above CICR. Attempt to cement from 1420' to 1220'. Max pump pressure should not exceed 409 psi.
16. PUH to 1000' and reverse circulate tbg clean to ensure no cement is left in tbg. TOO. SB all tbg. LD stinger. WOC 24 hours.
17. PU and TIH with 3-7/8" bit and appropriate number of 3-1/2" drill collars on 2-3/8" tbg. Time drill cement above CICR (~64'). If ROP is faster than 2 min/ft, SD and WOC 24 hours and repeat. Drill down to CICR located at 1390'. Drill CICR and cement past lower perf at 1420' and pressure test holes to 500 psi for 15 minutes.
18. TOO and SB tbg, LD drill collars, LD bit.
19. MIRU WL and run CCL-GR-CBL-VDL from +/- 1750' to surface. Forward to Engineering. 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 completion of the job.

**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:**

20. PU and TIH with bit on 2-3/8" tbg. Drillout CIBP at +/- 7380' and chase down to 8211'.  
 21. TOOH. SB all tbg. LD bit.  
 22. PU TIH with 2-3/8" NC, 2-3/8" XN nipple, and 2-3/8" tubing to surface. Land tubing at +/- 7401' (1 jt above top Niobrara perf). Verify XN nipple size and enter in Open Wells.  
 23. RU rig lubricator. Broach tubing to XN nipple. RD rig lubricator.  
 24. ND BOP, NU 7-1/16", 5,000 psi flanged tubing head adaptor w/ new 2-1/16", 5,000 psi flanged master valve. Replace packing on all gland nuts/lockdown pins with new packing. Replace tubing hanger seals with new o-rings. Put new R46 gasket on tubing head. Make sure all wellhead valves are rated to 5,000 psi and all nipples are XXH. Torque and test WH. Document wellhead components in an OpenWells wellhead report.  
 25. RU hydrotester. Install 2-3/8" pup joint above master valve. Hydrotest wellhead first to 500 psi for a low pressure test. Then, hydrotest wellhead to 5,000 psi from below tubing head through master valve for 15 minutes. No leakoff will be accepted. Please record results of pressure test. RD hydrotester.  
 26. Secure wellhead, clean up location. RDMO WO rig.

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

Signed: \_\_\_\_\_ Print Name: CANDICE BARBER  
 Title: REGULATORY ANALYST Email: CANDICE.BARBER@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>
401759833	OTHER
401759845	WELLBORE DIAGRAM

Total Attach: 2 Files