

**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>401912748</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 20177 00 OGCC Facility ID Number: 258605  
 Well/Facility Name: HSR-CANNON Well/Facility Number: 9-18A  
 Location QtrQtr: NESE Section: 18 Township: 2N Range: 66W 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
2130 FSL	510 FEL

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

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Current **Surface** Location **From** QtrQtr NESE Sec 18

Twp 2N Range 66W Meridian 6

New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

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

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 \_\_\_\_\_

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

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

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

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 01/29/2019

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

1. Well needs annular fill from 1300'-1500' for aquifer coverage and a packer install.
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. Request they catch and remove plunger, isolate production equipment, and remove any automation prior to rig MIRU.
3. MIRU Slickline. Pull production equipment. Record tag depth in OpenWells. RD slickline. Well has Gyro from 10/13/2011.
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. Kill well as necessary with biocide + freshwater. ND wellhead, NU BOP. Unland tbg using unlanding joint and LD.
7. MIRU EMI services. EMI 2-3/8" tbg while TOO H 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 gauge ring for (4-1/2" 11.6#) casing and run to 7780'. POOH. RDMO WL.
9. PU and TIH with 10,000 psi rated above and below RBP(4.5", 11.6#) and 2-3/8" tbg. Set RBP at +/-7780', ~60' above the top perf (collars at 7766' and 7808').
10. Load hole with biocide + fresh water and circulate out any gas out of the hole. Pressure test the casing to 500 psi for 15 minutes. TOO H with 1 stand of tbg. Dump 2 sx sand down tbg on top of RBP. Kick on pumps at low rate to chase sand down tubing. Do not pump at high rate causing the sand to circulate.
11. TOO H and SB all 2-3/8" tubing.
12. ND BOP. ND WH. 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.
13. 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 1500' while continuously circulating. Make polymer sweeps as needed while TIH. If unable to make it to 1500' call Engineering.
14. Circulate with the rig pump to clean the hole. Circulate a minimum of 1.5 annular volumes and ensure well is dead. If not able to clean well, contact engineering.
15. MIRU Cementing. Establish circulation and pump a spacer, followed by 50 sx Fox Hills Annular cement (78 cf, 14 bbls) 14.0 ppg, 1.55 yld. Calculations based on 200' in the annulus between 7.88" hole and 4.5" casing with 60% excess. Attempt to cement from 1500'-1300'.
16. TOO H with 1.66" 2.3# J-55 tubing until EOT is at 1100' and LD remaining tbg. Circulate with freshwater 1.5 times the hole volume or until returns are clean. RDMO Cementers.
17. TOO H 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 5K tubing head, NU BOP. Install 2-3/8" pipe rams. Shut well in and WOC.
18. MIRU WL and run CCL-GR-CBL-VDL from +/- 2000' to surface to confirm coverage. Contact engineer. Need coverage from 1300'-1500' to continue. RD 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 completion of the job.
19. Once aquifer coverage has been confirmed, PU and TIH with RBP retrieving head and 2-3/8" tbg. Circulate fresh water + biocide to remove sand. Un-set RBP at +/-7780'. TOO H. LD RBP and retrieving head.

**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:**

20. RU Hydrotesters. Hydrotest production string on the way in to 6,000 psi (80% of burst for 2 3/8" J55 tubing) below the slips. PU and TIH with 2-3/8" NC, 2-3/8" XN nipple, ~17 jts of 2-3/8 tbg to get the EOT +/-1 joint above the J Sand perf with a 10,000 psi rated Packer above and below (4-1/2" 11.6") on 2-3/8"tbg. Set Packer at +/-7080' (collars at 7058' and 7100'), with EOT at 7814'.  
 21. Reverse circulate casing volume at least once to load backside with biocide + fresh water and circulate any gas out of the hole. Have SDS on location. Set packer. Pressure test to 500 psi for 15 minutes. No leakoff is acceptable. If any leakoff, contact engineer.  
 22. RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator.  
 23. Install 2 - 5,000 psi rated casing valves on the offside and 1 - 5,000 psi rated casing valve on the flowline side for a total of 3 casing valves and XXH nipples.  
 24. ND BOP, NU 7-1/16", 5,000 psi flanged tubing head adaptor w/ two 2-1/16", 5,000 psi flanged master valves. Put new R46 gasket on tubing head. Install new tubing hanger ring gaskets. Install new lockdown screw packing. Ensure WH, valves, and fittings are rated to 5,000 psi. Torque and test WH.  
 25. If Seaboard/Weir - RU hydrotester. Install 2-3/8" pup joint above master valve. Hydrotest wellhead first to 250 psi for a low pressure test for 15 minutes. Then, hydrotest wellhead to 5,000 psi for 15 minutes. Document results. No leakoff is acceptable. RD hydrotester. If GE - pressure test void first to 250 psi for a low pressure test for 15 minutes. Then, pressure wellhead to 5,000 psi for 15 minutes. Document results. No leakoff is acceptable. Bleed off all pressure from the void when you are done.  
 26. Secure wellhead, clean up location. 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: 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>
401912757	OTHER
401912760	WELLBORE DIAGRAM

Total Attach: 2 Files