

# 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:<br><b>401395580</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: <u>47120</u>                           | Contact Name <u>CHERYL LIGHT</u>        |
| Name of Operator: <u>KERR MCGEE OIL &amp; GAS ONSHORE LP</u> | Phone: <u>(720) 929-6461</u>            |
| Address: <u>P O BOX 173779</u>                               | Fax: <u>(720) 929-7461</u>              |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u>  | Email: <u>cheryl.light@anadarko.com</u> |

  

|   |  |
|---|--|
| API Number : 05- <u>123</u> <u>19840</u> <u>00</u>  | OGCC Facility ID Number: <u>256356</u> |
| Well/Facility Name: <u>HSR-CANNON LAND</u>  | Well/Facility Number: <u>6-3A</u>      |
| Location QtrQtr: <u>SENW</u> Section: <u>3</u> Township: <u>2N</u> Range: <u>66W</u> Meridian: <u>6</u> |  |
| County: <u>WELD</u> Field Name: <u>WATTENBERG</u>   |  |
| Federal, Indian or State Lease Number: _____  |  |

Complete the Attachment  
Checklist

OP OGCC

|                     |  |  |
|---------------------|--|--|
| 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:

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

Current **Surface** Location **From** QtrQtr SENW Sec 3

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

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 \_\_\_\_\_

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

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

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

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

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

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 \_\_\_\_\_

| FNL/FSL       |                  | FEL/FWL           |            |
|---------------|------------------|-------------------|------------|
| <u>2124</u>   | <u>FNL</u>       | <u>1780</u>       | <u>FWL</u> |
| _____         | _____            | _____             | _____      |
| Twp <u>2N</u> | Range <u>66W</u> | Meridian <u>6</u> |            |
| Twp _____     | Range _____      | Meridian _____    |            |
| _____         | _____            | _____             | _____      |
| _____         | _____            | _____             | _____      |
| Twp _____     | Range _____      |                   |            |
| Twp _____     | Range _____      |                   |            |
| _____         | _____            | _____             | _____      |
| _____         | _____            | _____             | _____      |

\*\* attach deviated drilling plan

**CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT**

| <u>Objective Formation</u> | <u>Formation Code</u> | <u>Spacing Order Number</u> | <u>Unit Acreage</u> | <u>Unit Configuration</u> |
|----------------------------|-----------------------|-----------------------------|---------------------|---------------------------|
|                            |                       |                             |                     |                           |

**OTHER CHANGES**

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name HSR-CANNON LAND Number 6-3A Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: \_\_\_\_\_

**RECLAMATION****INTERIM RECLAMATION**

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

**FINAL RECLAMATION**

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

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 09/13/2017

☐ 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 Management 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 (Bradenhead)

1. Well needs a single stage annular fill from 1400' - 500' to mitigate bradenhead issues.
2. Well has gyro survey on 08/31/2011.
3. MIRU Slickline. Pull production equipment and tag bottom. 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 and 1400' of 1.66" 2.33# J-55 tbg.
7. Kill well as necessary with biocide treated freshwater. Attach a hardline from the bradenhead/surface casing valve to a flowback tank and blow down any bradenhead pressure. 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. EMI 2-3/8" tbg (landed at 7850') 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.
11. PU and RIH with (4.5", 11.6#) Bit and Scraper on 2-3/8" tbg to 6710'. TOO H and SB all 2-3/8" 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 +/- 6700'.
13. Release tbg from RBP and circulate all gas out of the hole. Pumping biocide treated freshwater, pressure test RBP and production casing to 1000 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.
14. Dump 2 sx sand on top of RBP. TOO H 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 1400' while continuously circulating. Make 2 sweeps of DF 20-20 while TIH. (annular volume ~ 75 bbls @ 1400') if unable to make it to 1400' 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 1400' (annular volume 75 bbls). Circulate a minimum of 1.5 annular volumes and ensure well is dead. If not able to circulate dead, contact engineering.
18. RU Cementers. Establish circulation and pump 20 bbls (5 bbls water, 10 bbls sodium silicate and 5 bbls water) spacer, 260 sx GasBLOK (301.6 cf, 53.7 bbls) 15.8 ppg 1.16 yield. Calculations based on 639' in annulus between 7.88" bit size and 4.5" production casing with 60% excess and 261' in the annulus between 8-5/8" 24# casing and 4.5" production casing with no excess. Attempt to cement from 1400' - 500'. Plan for 3 hour pump time.
19. TOO H with 1.66" 2.3# J-55 10 RD IJ tubing until EOT is at 425' and LD extra tbg. Circulate with freshwater 1.5 times the hole volume or until returns are clean. RDMO Cementers.
20. 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 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 +/-6600' (below the original TOC) to surface. If the cement is not at or above 710' (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.

**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:**

23. Circulate sand off of RBP. Pressure test casing to 1000 psi for 15 minutes. Latch onto and release RBP at 6700'. Circulate gas out of hole. TOOH and SB all 2-3/8" tbg, LD RBP.  
24. TIH with 2-3/8" NC, 2-3/8" XN nipple, and tbg to surface. Land tubing at +/- 7850'.  
25. RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP.  
26. Install 7-1/16" flanged 5000 psi tubing head adaptor with studded top, 2-1/16" flanged 5000 psi master valve, flanged 5000 psi 2-1/16" plunger lubricator (side outlets threaded). Make sure all wellhead valves are rated to 5,000 psi and all nipples are XXH. Document wellhead components in an OpenWells wellhead report.  
27. Install 2-1/16" pup joint above the master valve. Pressure test the tubing head from below the tubing head through the master valve to 5,000 psi using hydrotester. If wellhead does not pressure test, replace wellhead/wellhead valves as necessary with 5,000 psi rated equipment.  
28. 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:****COA Type****Description**

|  |  |
|--|--|
|  |  |
|--|--|

**General Comments****User Group****Comment****Comment Date**

|  |  |                     |
|--|--|---------------------|
|  |  | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)

**Attachment Check List****Att Doc Num****Name**

|           |                  |
|-----------|------------------|
| 401395584 | OTHER            |
| 401395585 | WELLBORE DIAGRAM |

Total Attach: 2 Files