

# State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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## 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: <b>47120</b>	Contact Name: <b>REBECCA HEIM</b>
Name of Operator: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>	Phone: <b>(720) 929-6361</b>
Address: <b>P O BOX 173779</b>	Fax: <b>(720) 929-7361</b>
City: <b>DENVER</b> State: <b>CO</b> Zip: <b>80217-3779</b>	Email: <b>REBECCA.HEIM@ANADARKO.COM</b>

Complete the Attachment  
Checklist

OP OGCC

API Number : <b>05-123 26959 00</b>	OGCC Facility ID Number: <b>296918</b>
Well/Facility Name: <b>HALE</b>	Well/Facility Number: <b>21-13</b>
Location QtrQtr: <b>SWNE</b> Section: <b>13</b> Township: <b>3N</b> Range: <b>67W</b> Meridian: <b>6</b>	
County: <b>WELD</b> Field Name: <b>WATTENBERG</b>	
Federal, Indian or State Lease Number: _____	

Survey Plat		
Directional Survey		
Srvc 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 **SWNE** Sec **13**

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 **13**

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 **13** Twp **3N**

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	
1641	FNL	1654	FEL
Twp <b>3N</b>	Range <b>67W</b>	Meridian <b>6</b>	
Twp _____	Range _____	Meridian _____	
1331	FNL	2619	FEL
Twp <b>3N</b>	Range <b>67W</b>		
Twp _____	Range _____		
1331	FNL	2619	FEL
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 HALE Number 21-13 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    06/02/2014

☐ 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:

### BRADENHEAD

#### Hale 21-13 - Bradenhead Procedure

1 Call Foreman or Lead Operator at least 24 hr prior to rig move. If not already completed, request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.

2 MIRU Slick line. Fish plunger if necessary and tag for PBTO (should be at 7415').

3 Prepare location for base beam rig.

4 Spot 12 jts of 2-3/8" 4.7# J-55 8RD EUE tbg.

5 Spot 77 jts of 1-1/4" 2.33# J-55 IJ tbg.

6 MIRU WO rig. Kill well with fresh water with biocide. ND wellhead, NU BOPs.

7 Run two 2" or one 3" line(s) from starting head to return tanks

8 PU 8-10' landing joint with TIW safety valve on top and screw into the tbg hanger. Back out the lock down pins and pull up on the tbg string to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,384-lb.

9 Unseat tbg hanger and LD tbg hanger and landing joint. Install rubber wiper in stripping head.

10 MIRU EMI equipment. TOO H with 2-3/8" tbg. EMI tbg while TOO H. Lay down joints with wall loss or penetrations >35%. Replace joints as necessary. Keep yellow and blue band tubing. Note joint number and depth of tubing leak(s) on production equipment failure report in OpenWelis. Clearly mark all junk (red band) tubing sent to yard.

11 PU and TIH with 2-3/8" tbg and 4.5" RBP (4.5" 11.6# 1-80). Set RBP at +/- 7050' (Collars at 7030' and 7076').

12 Pressure test RBP to 5,000 psi for 15 minutes. (Pressure test to make sure plug is set correctly)

13 Spot 2sx sand on top of RBP. TOO H, SB tbg.

14 NO BOP, NO tubing head. Un land 4-1/2" 11.6# I-80 csg, NU double-entry flange. NU BOP.

15 TIH with 77 jts of 1-1/4" 2.33# J55 tbg to +/- 2300'. If 2300' cannot be reached, get as far below 1500' as possible before circulating (Want to try and get as much hydrostatic on top of existing cement as possible).

16 MIRU mud company with 10.0 ppg drilling mud. Circulate at least 1x annular volume (~95 bbls).

17 TOO H with 27 jts of 1-1/4" 2.33# J55 to +/- 1500'.

18 MIRU Cement company. Commence pumping cement job at maximum rate achievable consisting of 5 bbl fresh water; 44 bbl (165 sx) of Type III cement mixed at 14.0 ppg and 1.53 cuft/sk. Cement should be blended for a 3 hour pump time (Cement from 1500' to 710'). Have cementer email cement job plot to engineer and rscOJVendors@anadarko.com within 24 hours of job completion.

19 TOO H with 1-1/4" 2.33# and LO.

20 Break lines and clean up with fresh water. RDMO cement company.

21 ND BOP, ND dual entry flange. Re-land 4-1/2" 11.6# csg with 20,500 lb tension (3,000-lb over string weight from 1500'), NU BOP.

22 Leave well shut in for minimum of 24 hours.

23 MIRU wire line and run CCL-GR-CBL-VDL from 1600' to 100'. If cement is not above 710', contact engineering for further instructions. Have wireline operator email copy of CBL to engineer and rscDJVendors@anadarko.com within 24 hours of job completion. RDMO wire line.

24 TIH with 2-3/8" 1 XN SN and 2-3/8" 1 4.7# J55 EUE tbg. Land tbg @ +/- 7374' (1 jt above top J-Sand perf). Broach tbg to XN nipple.

25 ND BOP, NU master valve.

26 Install 7 1/16" x 5,000 psi tubing head adaptor with new 5,000 psi master valve threaded 2 3/8" connection. Make sure all wellhead valves are rated to 5,000 psi.

27 Pressure test the tubing head from below the tubing head through the master valve to 5,000 psi with hydro tester. NU 5,000 psi wellhead. If existing wellhead is not 5,000 psi rated, install one that is.

28 RDMO WO rig. Return well to production team.

29 Clean location and swab well back to production. Notify field foreman/field coordinator of finished work and turn well back over to production team.

## 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**

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**Operator Comments:**

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

Signed: \_\_\_\_\_ Print Name: REBECCA HEIM  
Title: SR. REGULATORY ANALYST Email: rscdjpostdrill@anadarko.com Date: 5/19/2014

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

COGCC Approved: SCHLAGENHAUF, MARK Date: 5/21/2014

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description**

	The additional cement referenced shall be placed as indicated and comply with Rule 317.i. The placed cement shall be verified with a CBL and documented with a Form 5 Drilling Completion Report.
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**General Comments****User Group****Comment****Comment Date**

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Total: 0 comment(s)

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

400610754	FORM 4 SUBMITTED
400610756	OTHER

Total Attach: 2 Files