

**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
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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: 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 16755 00 OGCC Facility ID Number: 248953  
 Well/Facility Name: HSR-DEBORRAH Well/Facility Number: 7-5  
 Location QtrQtr: SWNE Section: 5 Township: 3N Range: 66W Meridian: 6  
 County: WELD Field Name: WATTENBERG  
 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 5

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 \_\_\_\_\_ Range \_\_\_\_\_

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 \_\_\_\_\_

FNL/FSL		FEL/FWL	
<u>2041</u>	<u>FNL</u>	<u>1854</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>3N</u>	Range <u>66W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____ **
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____ **

\*\* attach deviated drilling plan



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    07/23/2014

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**

Remediate Shannon/Sussex and Fox Hills with Dual Stage Annular Run GYRO

Design is for coverage from ~5012' to 4009' and from ~1450' to 308'

1 Well needs GYRO.

2 Call IOC (970-506-5980) 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.

3 MIRU slickline. Fish plunger from lubricator. RIH and pull the bumper spring and standing valve if necessary. RBIH with sinker bars and tag bottom. Report findings. PBTD should be at 7376'. RIH with GYRO, and run from SN (7258') to surface making stops every 100'. RDMO slickline.

4 Prepare location for base beam rig.

5 Spot a minimum of 25 jts of 2-3/8", 4 .7#, J-55, EUE tbg for replacement and 165 jts 1-1/4", 2-33#/ft, J-55, 10rd IJ for annular cement job.

6 MIRU WO rig and auxiliary equipment. Check pressures. Rig up 2" line from the casing head annulus to work tank. Kill well with fresh water. ND tree and adapter flange, NU BOP's.

7 PU 8-10' landing joint. TIW valve on top and screw into the tbg hanger. Back out the lock down pins and pull up on tbg string to break any possible sand bridges, unseat landing joint and lay down. Do not exceed 80% of tubing tensile strength, or 57,380-lb. Clean out as necessary to 7376'.

8 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. Note joint number and depth of tubing leak(s) on production equipment failure report in Open Wells. Clearly mark all junk (red band) tubing sent to yard.

9 TIH with 2-3/8" tbg and 4.5" RBP. Set RBP @ +/-6890', (collars are at 6864' and 6908'). Pressure test RBP to 1000 psi. Spot 2sx of sand on top of RBP and TOO H.

10 Bleed off pressure. ND BOP's, ND wellhead, Un-land 4-1/2" casing, NU dual entry flange, NU BOP.

11 PU 1-1/4/1 2.3#/ft J-SS IOrd IJ tubing, and TIH outside 4-1/2" casing in open hole to ~5200'. Circulate with freshwater treated with biocide to clean up annulus while TIH, circulate with rig pump until clean returns are seen.

12 Contact Imperial mud (min of 24hrs. in advance) to bring out 40bbls of 10.0ppg mud, circulate the well with continuous sweeps of mud until well is completely dead and all gas is removed from annulus (shut in well for 1 hr to ensure no gas is present).

13 If gas is detected, contact engineering to discuss plan moving forward.

14 PUH to +/- 5012' to displace cement.

15 MIRU cement services. Prepare to cement. Circulate 330 bbls (~1 annular volume) of water at 2-3bpm, followed by a 30bbl (5bbls water, 20bbls SMS, 5bbls water) spacer.

16 Mix and pump 415sx (-85bbls) of 14.6 ppg (1.12 cuft/sk) neat Class G cement and 1/4 lb/sk Cello Flake. The cement is to be retarded for 120 degrees F and 6 hour pump time.

17 TOO H ~42 joints to ~3700' and reverse circulate 2 times the tubing volume of water or until clean returns are seen.

18 PUH to 1450'. Mix and pump 380sx (-90bbls) of 14.8 ppg (1.33 cuft/sk) Type III and 1/4 lb/sk Cello Flake. The cement is to be retarded for 80 degrees F and 3 hour pump time.

19 TOO H ~43 joints to ~100' and reverse circulate 2 times the tubing volume of water or until clean returns are seen. TOO H with 1-1/4" tubing.

20 RDMO cementing company.

21 ND BOP. ND dual entry flange and crossover. Pick up and land 4-1/2" casing in slips. NU 4-1/2" 5000 psi tubing head with 2-5000 psi valves (use new style flanged well head equipment if available). NU BOP's to tubing head. Make sure all valves and nipples are rated to 5000 psi.

22 Leave well shut in for ~36hrs .

**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 MIRU wireline and run CCL-GR-CBL-VDL from 6500' to surface. Verify with Evans Engineering that new TOC is at 308' or higher. In addition to normal handling of logs/job summaries, email copies of all cement job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hours of the completion of the job.

24 RDMO wireline.

25 PU and TIH with 2-3/8" tbg and retrieving head. Circulate sand off RBP at @ +/-6890'. TOOH with RBP and SB tbg.

26 TIH with 2-3/8" NC, 2-3/8" XN SN and 2-3/8" 4.7# J55 EUE tbg, circulate out fill or bail if necessary to 7376'. Land tbg @ +/- 7244' (1 joint above top Codell perf).

27 Broach tubing to seating nipple. ND BOP's, NU master valve and tubing head adaptor. Hydrotest tubing head to 5000 psi for 15 minutes.

28 RDMO WO rig.

29 Clean location and swab well back to production. Notify lac of finished work and turn well back over 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: 7/8/2014

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: 7/11/2014

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	1) 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. 2) Please submit gyro with Form 5 Drilling Completion Report.
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**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

**Attachment Check List**

**Att Doc Num**

**Name**

400641202	FORM 4 SUBMITTED
400641204	OTHER

Total Attach: 2 Files