

**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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Date Received: <b>03/11/2015</b>			

**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 34070 00 OGCC Facility ID Number: 424499  
 Well/Facility Name: MORTON Well/Facility Number: 9-1  
 Location QtrQtr: NESE Section: 1 Township: 1N Range: 67W 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:

FNL/FSL	FEL/FWL
<u>1371</u> <u>FSL</u>	<u>933</u> <u>FEL</u>

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

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Current **Surface** Location **From** QtrQtr NESE Sec 1

Twp 1N Range 67W Meridian 6

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

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

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

<u>1987</u> <u>FSL</u>	<u>679</u> <u>FEL</u>
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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 1

Twp 1N Range 67W

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

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

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

<u>1985</u> <u>FSL</u>	<u>671</u> <u>FEL</u>
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

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Current **Bottomhole** Location Sec 1 Twp 1N Range 67W

\*\* 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 03/29/2015

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:

- 1 Well needs Fox Hills remedial cement coverage due to Form 17 results ahead of the Fort Lupton Campaign.
- 2 Directional survey from drilling to 8,158'.
- 3 Call Foreman or Lead Operator at least 24 hrs 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.
- 4 MIRU slickline. Fish plunger from lubricator. RIH and pull the bumper spring and standing valve if necessary. RIH with sinker bars and tag bottom (last cleaned out to 8128' 3/23/2012). Report findings. RDMO slickline.
- 5 Prepare location for base beam rig.
- 6 Spot a minimum of 30 jts of 2-3/8", 4.7#, J-55, EUE tbg for replacement and 50 jts 1.66", 2.33#/ft, J-55, 10rd IJ for annular cement job.
- 7 MIRU WO rig and auxiliary equipment. Kill well with fresh water and biocide. ND tree and adapter flange, NU BOP's.
- 8 Unland 2-3/8" tbg and lay down landing joint.
- 9 MIRU EMI services. EMI 2-3/8" tbg while TOO H and tally while standing back, do not exceed safety tensile load of 53,000 lbs. Lay down joints that have greater than 35% penetration or wall loss. Clearly mark and replace all joints that fail EMI testing as red band. Document joint numbers and depth of bad tubing and create a Production Equipment Failure report in OpenWells. RDMO EMI services.
- 10 MIRU wireline. RIH with gauge ring (4-1/2", 11.6#) to 7000' and POOH. RIH on wireline with CCL and 4-1/2" 10,000 psi rated from above and below RBP. Set RBP @ +/- 6345', (collars at 6324' and 6366') and POOH. Dump bail 2 sx of sand on top of RBP. Pressure test RBP to 1000 psi for 15 minutes.
- 11 MIRU wireline services. PU and RIH with CCL-GR-CBL-VDL. Log from +/- 4000' to surface while holding +/- 1,000 psi on casing to verify cement coverage at surface. The following steps assume no cement signatures to ~1,500'.
- 12 Bleed off pressure. ND BOP's, ND wellhead, Un-land 4 1/2" casing, NU dual entry flange, NU BOP.
- 13 PU 1.66" 2.33#/ft J-55 10rd IJ tubing, and TIH outside 4-1/2" casing in open hole to ~1500', if unable to make depth, contact engineering to discuss plan moving forward.. Circulate with the rig pump while TIH to clean up the annulus. Use two sweeps of Alcomer 74L while TIH and a final sweep at 1500'. Make sure no pressure is present on bradenhead before moving on to the next step. If gas is detected, contact engineering to discuss plan moving forward.
- 14 Contact Imperial mud (min of 24hrs. in advance) to bring out 40bbbls of 10.0ppg mud. Pump 40bbbls of mud at 1500'. Leave 1.66" tbg full of mud to avoid wet trip and to 1400' PUH to place cement in annulus.
- 15 MIRU cement services. Pump 10 bbl fresh water followed by 150sx (~46.5bbbls) of 13.5 ppg (1.74 cuft/sk) Control Set "C" w/ 1/4 lb/sk cello-flake. Design is for coverage from ~1500' to ~780' using 8-1/2" hole size (caliper) and 20% excess.
- 16 TOO H ~36 joints to ~400' and circulate 1.5 times the hole volume of water or until no cement returns are seen. TOO H with 1.66" tubing.
- 17 RDMO cementing company.
- 18 ND BOP. ND dual entry flange and crossover. Pick up and land 4-1/2" casing in slips.
- 19 Install new GE 5000 psi 4-1/2" bottom threaded tbg head with 7-1/16" flanged top, 7-1/16" flanged 5000 psi tbg head adaptor with 2 -1/16" studded top, 2-1/16" flanged 5000 psi master valve, flanged 5000 psi 2-3/8" plunger lubricator (side outlets threaded). All valves, fittings, plugs on well head need to be rated for 5000 psi. NU BOP.
- 20 Leave well shut in for ~24hrs.
- 21 MIRU wireline and run CCL-GR-CBL-VDL from 3600' to surface. If new top of cement is below 780' notify Engineering. 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.
- 22 RDMO wireline.

**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>Best Management Practices</b>	
<b>No BMP/COA Type</b>	<b>Description</b>

**Operator Comments:**

22 RDMO wireline.  
 23 PU and TIH with 2-3/8" tbg and retrieving head. Circulate sand off RBP at @ +/-6345'. TOO H with RBP and SB tbg.  
 24 TIH with 2-3/8" NC, 2-3/8" XN SN and 2-3/8" 4.7# J55 EUE tbg, circulate out fill if necessary to 7850'. Land tbg @ +/- 7525' (1 jt above top Codell perf).  
 25 Broach tubing to seating nipple. ND BOP's, NU master valve and tubing head adaptor.  
 26 GE should pressure test tbg head through test port on side of tbg head adaptor flange to 5000 psi for 15 mins.  
 27 RDMO WO rig.  
 28 Clean location and swab well back to production. Notify Field Foreman/Field Coordinator 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: 3/11/2015

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: 3/26/2015

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	1) The additional cement referenced shall be placed as indicated and comply with Rule 317.j. The placed cement shall be verified with a CBL and documented with a Form 5 Drilling Completion Report.
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**General Comments**

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

Total: 0 comment(s)

**Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400807790	FORM 4 SUBMITTED
400807801	OTHER

Total Attach: 2 Files