

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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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: 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 19890 00 OGCC Facility ID Number: 256581
 Well/Facility Name: HSR-MYRNA Well/Facility Number: 15-12A
 Location QtrQtr: SWSE Section: 12 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	
510	FSL	2130	FEL

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

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Current **Surface** Location **From** QtrQtr SWSE Sec 12

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:

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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 07/17/2018

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. 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.
2. MIRU slickline services. Pull bumper spring and tag bottom. Record tag depth in Open Wells.
3. Prepare location for base beam equipped rig. Install perimeter fence as needed.
4. 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.
5. MIRU WO rig. Kill well as necessary using clean fresh water with biocide. ND WH. NU BOP. Unland tbg using unlanding joint and SB 1830'.
6. MIRU WL. Run gauge ring to 2550'.
7. MIRU WL. RIH with WL set (4.5", 11.6#) CIBP and set at 2500'. POOH.
8. PU and RIH with one 6' 3-1/8" perf gun with 3 spf, .50 EHD, 120o phasing. Shoot 2' at 2200' and 4' at 1800. POOH. RDMO WL.
9. TIH with (4.5", 11.6#) packer and set at 1830' to establish circulation. If circulation can be established, release packer and TOOH SB 2-3/8" tbg.
10. TIH with (4.5", 11.6#) CICR on 2-3/8" tbg and set at 1830'. Establish circulation through squeeze holes with biocide treated fresh water. Circulate a minimum of 200 bbls through squeeze holes.
11. RU cementers. Pump Aquifer Squeeze Plug: 155 sx (240 cf, 43bbl) 14 ppg with GasBlok & 1.55 cf/sk Pump 10 bbls sodium silicate followed by 140 sx. Underdisplace the remaining 2 bbls (~120 ft) on top of the retainer. Cement will cover 2200-1800' on the back side. Volume is based on 400' in 7-7/8" OH from caliper with 50% excess, 370' below retainer in 4-1/2" production casing with no excess and 120' on top of CICR in 4-1/2" casing. Slowly pull up to 1500' and reverse circulate to ensure the tbg string is clean. RDMO cementers.
12. Slowly pull out of cement SB tbg.
13. TIH with 3-1/2" rock bit on 2-3/8" tbg to prepare for drill out after fracs pass through.
14. ND BOP. NU 7-1/6", 5K flanged tubing head adaptor w/ 2-1/16" 5K flanged master valve.
15. MIRU hydrotester. Install 2 3/8" pup joint above master valve. Hydrotest wellhead to 5,000 psi from below tubing head through master valve for 15 minutes.
16. RDMO WO Rig.
17. Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hours of completion of the job.
18. Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.

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:

[Empty box for Operator Comments]

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: 7/16/2018

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

COGCC Approved: McCoy, Diane Date: 7/16/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	<p>1) Prior to starting repair work a bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, or if pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineer for sampling requirements before pumping any cement. The Form 17 shall be submitted within 10 days of the test.</p> <p>2) The additional cement referenced shall be placed as indicated. The placed cement shall be verified with a CBL and documented with a Form 5.</p>
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General Comments

User Group	Comment	Comment Date
Engineer	Operator plans to leave cement in place during offset stimulations, will drill out after the nearby fracs are complete. This well work will meet the requirement of mitigation COA on offset well Form 2s.	07/16/2018

Total: 1 comment(s)

Attachment Check List

Att Doc Num	Name
401703880	SUNDRY NOTICE APPROVED-REPAIR
401703891	OTHER
401703892	WELLBORE DIAGRAM
401704122	FORM 4 SUBMITTED

Total Attach: 4 Files