

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 10046 00 OGCC Facility ID Number: 242255
 Well/Facility Name: UPRR 42 PAN AM AD Well/Facility Number: 2
 Location QtrQtr: NWNW Section: 11 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:

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

Current **Surface** Location **From** QtrQtr NWNW Sec 11

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	
<input type="text" value="1150"/>	<input type="text" value="FNL"/>	<input type="text" value="1100"/>	<input type="text" value="FWL"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Twp <input type="text" value="1N"/>	Range <input type="text" value="67W"/>	Meridian <input type="text" value="6"/>	
Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="**"/>
Twp <input type="text"/>	Range <input type="text"/>		
Twp <input type="text"/>	Range <input type="text"/>		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="**"/>

** 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 04/30/2015

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 Niobrara cement remediation, drill out Niobrara plug, run CBL, replace WH & set production PKR.
2 A GYRO survey was run 5/11/2013. Another is not needed.
3 The most recent braidenhead report experienced 0 psi, and no liquids.
4 Call foreman and/or field coordinator 24 hours before rig up to isolate any production equipment (remove plunger, wellhead automation, etc.). Prepare to move base beam rig onto location. Install fence if needed. Operations needs to bleed off the bradenhead pressure before the rig gets on location.
5 Check and report surface casing pressure. If valve is not accessible at ground level, re-plumb so valve is at ground level.
6 MIRU slickline. RIH to retrieve production equipment and tag for fill (last cleanout occurred 9/14/2009 – “cleaned out with N2”). Note tagged depth in OpenWells. RDMO slickline.
7 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.
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 57,000 lbs. 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.
10 PU scraper and RIH to 8160' (through the J Sand perms) for 4-1/2" 11.6 lb/ft casing. TOO H, SB 2-3/8" tubing, and LD scraper.
11 Run and set RBP (10,000 psi rated, casing 4.5", 11.6#) at +/- 7530' (collars are located at 7510' and 7550').
12 Pick up 1 joint above RBP, and circulate all gas out of the hole. Pumping water with biocide, pressure test RBP and production casing to 1,000 psi for 15 minutes. If pressure test passes, place 2 sxs of sand over the RBP and proceed; otherwise contact engineering. TOO H and SB 2-3/8" tubing. LD retrieving head.
13 MIRU WL. PU and RIH with two 1' 3-1/8" perf guns with 3 spf, 0.50" EHD, 120° phasing. Shoot 1' of squeeze holes at 7380' and 6940'. RD WL.
14 RU 4-1/2" CICR and RIH on 2-3/8" tubing to set CICR at 6970'.
15 RU Cementers. Establish circulation through squeeze holes. Pump Niobrara suicide squeeze: 150 sxs (256 cf) 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cf/sx. Under-displace by 5 bbls and un-sting from CICR spotting 5 bbls cement on top of the squeeze holes. Cement will cover 7380' – 6940' on the back side. Volume is based on 440' in 10.0" OH from caliper with 20% excess, 750' in 4-1/2" production casing with no excess. RDMO cementers.
16 Slowly pull out of the cement and PUH to 6200' and reverse circulate tubing clean to ensure no cement is left in the tubing.
17 Using cement pump truck, displace 2 bbls cement into the upper SQ perf located at 6940'.
18 TOO H and SB 2-3/8" tubing.
19 WOC per cement company recommendation (minimum of 18 hours). PU and RIH with 3-7/8" bit (csg drift dia = 3.875"). Drill down to the CICR located at +/- 6970'. Pressure test to 1000 psi. If o.k., drill CICR and cement past lower perf located at 7380', and pressure test to 1000 psi. POOH and SB 2-3/8" tubing. LD bit.
20 Run a CBL from +/- 7530' to 6400'. Forward results to Tod.Haanes@Anadarko.com in Evans Engineering. RDMO wireline.
21 TIH with 2-3/8" tubing to the RBP.
22 Bleed off pressure and stack tubing on RBP so the top joint of tbg is below the BOP.
23 ND BOP.
24 ND existing tubing head off of 4.5" casing. Install new WHI 5,000 psi flanged tubing head complete with 5,000 psi casing valves and Double X Heavy nipples. Be sure all wellhead equipment is rated to 5,000 psi.
25 NU BOP.
26 Sting into tubing string. Circulate sand off the RBP. Latch onto and release RBP. TOO H standing back all 2-3/8" tubing and LD RBP.
27 MIRU hydrotester.

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:

28 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), 2-3/8" 4.7# J-55 tbg, Arrowset AS-1X packer rated to 10,000 psi, and 2-3/8" 4.7# J-55 tbg to surface. Hydrotest tubing to 6,000 psi while TIH. Set the packer below the new TOC (in good cement) between collars. Contact Tod Haanes in Evans Engineering for help in determining the PKR setting location. Land EOT at +/- 8098'.

29 Load 2-3/8" x 5-1/2" annulus with biocide treated water and pressure test to 1,000 psi for 15 minutes to be sure packer is set properly.

30 RU rig lubricator. Broach tubing to seating nipple. RD rig lubricator. ND BOP.

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

32 Install 2-3/8" seating nipple above the master valve. Pressure test the tubing head from below the tubing head through the master valve to 5,000 psi using hydrotester.

33 RDMO WO rig. Return well to production team.

34 END OF SAFETY PREP STEPS. BELOW ARE STEPS FOR UN-PREPPING THE WELL

35 When notification is sent to un-prepare the well, MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.

36 Unland 2-3/8" tbg and lay down landing joint.

37 Release Arrowset AS-1X packer and TOOH standing back all 2-3/8" tubing and LD packer. Return packer to shop it was purchased from and have the packer redressed.

38 MIRU wireline truck. Tag top of fill, and enter depth in Open Wells. RDMO wireline truck.

39 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), and 2-3/8" 4.7# J-55 tbg to surface. If a cleanout is not necessary, proceed to Step 40. Otherwise, clean out sand fill as deep as possible (J Sand perms are located from 8128'-8158').

40 Land EOT at +/- 8,098'.

41 RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP. NU WH.

42 Install 7-1/16" x 5,000 psi tubing head adaptor and 5,000 psi flanged master valve. Make sure all casing valves are 5,000 psi rated w/ Double X Heavy nipples. Make sure all wellhead valves are rated to 5,000 psi.

43 Install 2-3/8" seating nipple 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.

44 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: 4/16/2015

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: 4/22/2015

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	<p>Note change in procedure:</p> <p>1) Sussex is productive within 1 mile from this well. Add cement 200' above and below Sussex as part of this workover in addition to adding cement at least 200' above the Niobrara formation.</p> <p>2) 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.</p> <p>3) Please submit gyro survey data with Form 5 Drilling Completion Report.</p>
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General Comments

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

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400826499	FORM 4 SUBMITTED
400826500	PROPOSED PLUGGING PROCEDURE

Total Attach: 2 Files