

# 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:	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	24550	00	OGCC Facility ID Number:	288204			
Well/Facility Name:	WELD		Well/Facility Number:		21-2				
Location QtrQtr:	NWNE	Section:	2	Township:	2N	Range:	68W	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 **NWNE** Sec **2**

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 **2**

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 **2** Twp **2N**

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	
1029	FNL	1570	FEL
Twp 2N	Range 68W	Meridian 6	
Twp	Range	Meridian	
1447	FNL	2573	FEL
Twp 2N	Range 68W		
Twp	Range		
1447	FNL	2573	FEL
			**

\*\* 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 WELD Number 21-2 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    10/02/2014

☐ 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:

1 Call the IOC at 970-506-5980 before rig up to isolate production equipment. Call 24 hours prior to the rig moving onto location so that any automation equipment can be removed prior to the rig showing up. Install fence if needed. NOTE: Report surface casing pressure to engineer. If surface casing is not accessible at ground level, re-pipe so valve is at ground level.

2 Level location for base beam rig.

3 Spot 55 jts of 1-1/4" 2.33# J-55 10rd IJ tbgs.

4 MIRU slickline. RIH and tag for fill. If production equipment found, retrieve. Note tagged depth in OpenWells. RDMO slickline. Last tagged depth was 7557' on 3/15/2010.

5 RDMO wireline services company.

6 MIRU WO Rig. Control well with biocide treated water. ND WH and NU BOP. Function test and document. Unseat landing joint and LD.

7 PU 8-10' landing joint with TIW safety valve on top and screw into the tbgs hanger. Back out the lock down pins and pull up on the tbgs string to break any possible sand bridges. Do not exceed 80% of tubing tensile strength which is 57,600-lb.

8 MIRU EMI services. TOOHS with 2-3/8" TBG. EMI on TOOHS. LD joints with wall loss or penetrations > 35%. Replace joints as necessary. \*\*Keep yellow & blue band tubing. Note joint number and depth of bad joints on PRODUCTION EQUIPMENT FAILURE REPORT IN OPEN WELLS. Last EMI was 3/16/2010- 8 joints tested bad. RDMO EMI services.

9 If no scale or build up is witnessed on TBG string, proceed to next step. If excessive scale and build up is witnessed on TBG string, PU 4.5", 11.6#, 1-80 casing scraper and TIH on 2-3/8 TBG to 7170'.

10 PU and TIH 10,000 psi rated RBP above and below (4.5", 11.6#, 1-80) and set RBP at +/- 7115' (collars located at 7095' and 7138').

11 Pressure test RBP to 1,000 psi for 15 minutes. 12 Dump 2 sks sand on top of RBP. POOH.

13 ND bop, ND tubing head. Unland 4-1/2" csg string. NU double entry flange, NU BOP. Function test and document.

14 PU and TIH with 1-1/4" 2.33# J-55 IOrd IJ tbgs outside 4 Y," csg to +/- 1700'. Run two 2" or one 3" line(s) from starting head to return tanks. If unable to achieve at least 1bbl/min return, call engineering for alternate procedure. Circulate with freshwater treated with biocide to clean up annulus while TIH. Continue to circulate with rig pump until clean returns are seen. Use sweeps as needed to clean up wellbore.

15 PUH to 1500'.

16 MIRU Cement company.

17 Commence pumping cement job at pump rate of consisting 5 bbl fresh water spacer, 48.2 bbl (203.6 sx) of Type III + with 0.5% CaCl<sub>2</sub> at 14.8 ppg and 1.33 cuft/sk blended for a 3 hr pump time (design is for cement from 1500' to 850').

18 TOOHS with 1-1/4" tbgs until EOT is at +/- 700' and circulate 2x tubing volume or until cement cleans up. TOOHS remaining 1-1/4" tbgs and LD all 1-1/4" tbgs.

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

20 ND bop, ND dual entry flange. NU 2-3/8" tbgs head and BOP. Function test and document.

21 Leave well shut overnight.

22 Circulate gas out of hole with fresh water with biocide.

23 MIRU wireline and run CCL-GR-CBL-VDL from 1600' to surface. Verify with Evans Engineering that new TOC is at 850' or higher. In addition to normal handling of logs/job summaries, email copies of all cement job logs/job summaries and invoices to rsc DJVendors@anadarko.com within 24 hours of the completion of the job.

24 RDMO wireline.

25 PU and TIH with 2-3/8" TBG to sand above RBP at 7115'. Reverse circulate clean and latch onto RBP, unseat RBP.

26 TOOHS while standing back 2-3/8" TBG and laying down retrieving head and RBP.

27 MIRU hydrotester.

28 PU & TIH with 2-3/8" NC, 2-3/8" XN profile nipple, 2-3/8" TBG to set EOT (tail string) at +/- 7400' (approx. 1jt above top CODELL perf), Arrowset AS-IX packer (4.6", 11.6#, 1-80, 10k psi rated), and 2-3/8" TBG to surface. Hydrotest tubing to 6000 psi while TIH. Set packer at 4028' (collars at 4006' and 4049').

29 Load backside with biocide treated water and pressure test packer to 1000 psi for 15 min.

## 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:**

30 ND BOP, NU WHO Ensure all valves on WH are rated to minimum 5000 psi and update WH as necessary using new 7-1/16" x 2-1/16" 5000 psi tubing head adaptor and new flanged 5000 psi master valve with 2-3/8" EUE companion flange on top. Ensure a new R-46 gasket is installed on WHO

31 Hydrotest TBG head and master valve to 5000 psi. If pressure test fails, call Evans office for alternate procedures.

32 RDMO hydrotester. RDMO WO rig.

33 Return well to production team.

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

35 Call the lac at 970-506-5980 before rig up to isolate production equipment. Catch and remove plunger. Call 24 hours prior to the rig moving onto location so that any automation equipment can be removed prior to the rig showing up. Install fence if needed. NOTE: Report surface casing pressure to engineer. If surface casing is not accessible at ground level, re-pipe so valve is at ground level.

36 MIRU slickline. RIH and tag for fill. If production equipment found, retrieve. Note tagged depth in Open Wells. RDMO slickline.

37 When notification is sent to un-prep well, MIRU WO rig.

38 Control well with biocide treated water.

39 ND WHO NU BOP. Function test and document.

40 Release Arrowset AS-1X packer. Wait 15 minutes for sealing elements to relax. TOOH with 2-3/8" TBG, Arrowset packer, XN profile nipple, and NC while standing back TBG and laying down packer.

41 Return packer to shop were purchased and have redressed.

42 PU & TIH with 2-3/8" NC, 2-3/8" XN profile nipple (ensure nipple is input into Open Wells), and 2-3/8" TBG.

43 If cleanout is not necessary, skip to the next step. If fill is encountered above 7452' (bottom CaDEll perf), circulate clean with biocide treated water to 7557'.

44 PUH and land TBG at +/- 7000', which is approximately 1 joint above the top CaDEll perf.

45 ND BOPE, NU WHO Ensure all valves on WH are rated to minimum 5000 psi and update WH as necessary to flanged style WHO Ensure a new R-46 gasket is installed on WHO

46 MIRU hydrotester. Pressure test TBG head to 5000 psi for 15 minutes. After successful pressure test, proceed. RDMO hydrotester.

47 RU rig lubricator. Broach TBG to XN. RD rig lubricator.

48 RDMO WO rig. Notify the lac at 970-506-5980 of completed workover operations. 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: 9/18/2014 \_\_\_\_\_

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: 9/24/2014 \_\_\_\_\_

**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**

400690528	FORM 4 SUBMITTED
400690532	OTHER

Total Attach: 2 Files