

# 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	29440	00	OGCC Facility ID Number:	299598			
Well/Facility Name:	MOSER			Well/Facility Number:	33-28				
Location QtrQtr:	SWSW	Section:	28	Township:	3N	Range:	65W	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 **SWSW** Sec **28**

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 **28**

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 **28** Twp **3N**

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	
499	FSL	468	FWL
Twp 3N	Range 65W	Meridian 6	
Twp	Range	Meridian	
1259	FSL	63	FWL
Twp 3N	Range 65W		
Twp	Range		
1259	FSL	63	FWL
			**
			**

\*\* attach deviated drilling plan

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT				
Objective Formation	Formation Code	Spacing Order Number	Unit Acreage	Unit Configuration

<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      MOSER      Number      33-28      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    08/01/2014

☐ 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

Moser 33-28 - Bradenhead Procedure

1 No GYRO needed.

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 Slick line. Fish plunger if necessary and tag for PBTD (should be at 7427')

4 Prepare location for base beam rig.

5 Notify Sater Tool Services (STS) we will need 4.5" 11.6# 1-80 stage collar.

6 Spot mud tank for 10.0 ppg drilling mud.

7 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbgr.

8 Spot 5 jts of 4 W' 11.6# 1-80 csg.

9 Spot 4 2-7/8" 16# drill collars

10 MIRU WO rig. Kill well with fresh water with biocide. ND wellhead, NU BOPs.

11 Run two 2" lines from starting head to return tanks. (Need to be able to circulate at high rate).

12 PU 8-10' landing joint. TIW valve on top and screw into the tbgr hanger. Back out the lock down pins and pull up on the tbgr string to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,384-lb.

13 Unseat tbgr hanger and LD tbgr hanger and landing joint. Install rubber wiper in stripping head.

14 MIRU EMI equipment. TOOHH with 2-3/8" tbgr. EMI tbgr while TOOHH. Lay down joints with wall loss or penetrations >35%. Replace joints as necessary. Keep yellow and blue band tubing. Note joint number and depth of tubing leak(s) on production equipment failure report in OpenWelis.

Clearly mark all junk (red band) tubing sent to yard.

15 Cleanout if sand was tagged higher than 7427' in step 3.

16 TIH with 4.5" CIBP (4.5" 11.6# 1-80). Set CIBP at +/- 6970' (collars at 6955' and 6997'). Pressure test CIBP to 2500 psi for 15 minutes. Spot 2 sx of sand on top of CIBP.

17 TOOHH and SB tbgr.

18 MIRU wi reliner. RU lubricator and run CCL to find collar at or slightly below 1250'. POOH with CCL. Collar to be backed off of must be at or below 1250'. Adjust all volume calculations based on actual collar depth.

19 ND BOP. PU 4-1/2" landing joint. Unland 4.5" production csg and NU BOP to 8-5/8" surface casing and install 4-1/2" pipe rams.

20 PU 4.5" csg with 17,500 lb. Torque csg in preparation for back off. Put marks on csg and work torque down slowly. Maximum torque is 2900 lb-ft, optimal is 2300 lb-ft.

21 RIH with stringshot. Apply left-hand torque to casing string and back csg off at collar located in step 19. If collar cannot be backed off, call engineering for further instructions.

22 MIRU laydown trailer and casing tongs. TOOHH with 4-1/2" csg and ID csg. Replace bad joints as necessary.

23 PU and TIH with the following: Skirted screw-in sub, cement DV tool (stage cement collar) in closed position, and remaining 4 1/2" csg. Place bow spring centralizer around every connection from 3 jts above DV tool to 641'. Install a total of 12 centralizers.

24 Tie back onto 4-1/2" casing stub. Work torque down to collar at ~1250' as close to 2300 lb-ft as possible.

25 Land 4.5" csg in 8-5/8" starting head in tension.

26 Cut 4-1/2" csg per operator recommendations. ND BOP. Install bell nipple if necessary.

27 Pack off 4 1/2" csg and install compression nut.

28 MIRU cementing equipment. Drop shifting dart and RU cementing head to 4 1/2" csg. Wait 5 minutes for dart to fall and pressure up to 1500 psi to shift DV tool.

29 Circulate 54 bbl of 10.0 ppg drilling mud at maximum rate achievable and then mix cement.

30 Commence pumping cement job consisting of 30 bbl fresh water flush; 30.8 bbl (130 sx) of Type III and 1/4 lb/sk Cello Flake mixed at 14.8 ppg and 1.33 cuft/sk blended for a 2 hr pump time at 80 degrees F (Cement from 1500' to 641'). Note: Check volumes based on actual DV Tool placement.

31 Drop wiper plug and spot 1 bbl cement on top of plug. Displace with 18 bbl fresh water. Note: Check displacement volumes based on actual DV Tool placement.

## 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:

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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.):

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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:

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### **Best Management Practices**

**No BMP/COA Type**

**Description**

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**Operator Comments:**

32 Break lines and clean up with fresh water. Reconnect lines to cementing head.  
33 Bump plug and pressure up to 1500 psig to close DV tool.  
34 Check for flow back to make sure stage collar is holding. ND cementing head.  
35 RDMO cement company.  
36 NU tbq head and BOP.  
37 Leave well shut in overnight.  
38 PU 4 2-7/8" 16# drill collars with 3-7/8" bit/mill and TIH with 2-3/8" tbq and crossover. Rig up power swivel and mill DV cementing tool @ +/- 1250'. Should encounter ~64 feet of-cement. TOOH with 2-3/8" tbq and 3-7/8" bit/mill and SB tbq and LD collars.  
39 MIRU wire line and run CCL-GR-CBL-VDL-Sector Map from 3100' to surface. If cement is not above 641', contact engineering for further instructions. 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. RDMO wire line.  
40 Pressure test stage collar to 2,500 psi for 15 minutes.  
41 PU 3-7/8" bit/mill and TIH with 2-3/8" tbq and crossover. Rig up power swivel and mill out CIBP @ +/- 6970'.  
42 TOOH with bit and SB tbq.  
43 Cleanout if sand was tagged higher than 7427' in step 3.  
44 TIH with 2-3/8" XN SN and 2-3/8" 4.7# J55 EUE tbq. Land tbq @ +/- 7276' (1 jt above top Codell perf).  
45 NO BOP and NU master valve and tubing head adaptor. Broach tbq to XN nipple. Hydrotest tubing head to 5000 psi for 15 minutes.  
46 RDMO WO rig.  
47 Clean location and swab well back to production. Notify IOC 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: 7/22/2014

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: 7/22/2014

**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**

400649126	FORM 4 SUBMITTED
400649127	OTHER

Total Attach: 2 Files