

# 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: <b>47120</b>	Contact Name <b>Cheryl Light</b>
Name of Operator: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>	Phone: <b>(720) 929-6461</b>
Address: <b>P O BOX 173779</b>	Fax: <b>(720) 929-7461</b>
City: <b>DENVER</b> State: <b>CO</b> Zip: <b>80217-3779</b>	Email: <b>cheryl.light@anadarko.com</b>

Complete the Attachment  
Checklist

OP OGCC

API Number : <b>05-123 19687 00</b>	OGCC Facility ID Number: <b>251882</b>
Well/Facility Name: <b>ALE PARTNERSHIP FEDERAL</b>	Well/Facility Number: <b>W 29-10DI</b>
Location QtrQtr: <b>NWSE</b> Section: <b>29</b> Township: <b>2N</b> Range: <b>66W</b> Meridian: <b>6</b>	
County: <b>WELD</b> Field Name: <b>WATTENBERG</b>	
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 **NWSE** Sec **29**

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	
2170	FSL	2170	FEL
Twp 2N	Range 66W	Meridian 6	
Twp	Range	Meridian	
			**
Twp	Range		
Twp	Range		
			**
			** 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 ALE PARTNERSHIP FEDERAL Number W 29-10DI 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 02/19/2015

☐ 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 Squeeze Sussex, change wellhead valves, pressure test, run packer  
2 Call Automation Removal Group at least 24 hr prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.  
3 Level location for base beam rig. Install perimeter fence as needed.  
4 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services. Note tagged depth in OpenWells. No tag depths since Noble trade: J-Sand was re-frac'd in 2007 for sand control purposes.  
5 MIRU workover rig. Kill well with biocide treated water.  
6 ND WH. NU BOP.  
7 Unland 2-3/8" tubing and lay down landing joint.  
8 MIRU EMI service. EMI 2-3/8" tubing while TOO, and tally tubing while standing back. Lay down joints that have greater than 35% penetration or wall loss. Replace all joints that fail testing. RDMO EMI service.  
9 TIH with casing scraper suitable for 4-1/2" 12.6# casing on 2-3/8" tbg to 7910'. TOO, stand back tbg and lay down scraper.  
10 PU RBP, suitable for 4-1/2" 12.6# casing, rated to 10,000 psi from above and below, on 2-3/8" tubing. Set RBP at ±7800' (collars at 7782' and 7818').  
11 Release from RBP. Using biocide water, circulate all gas out of the hole. Change 3000 psi casing valves. Check that other wellhead components are rated to 5000 psi, and that nipples are XXH, and change if appropriate. Pressure test RBP and production casing to 5000 psi for 15 minutes. Dump 2 sacks of sand on RBP.  
12 TOH, standing back tubing.  
13 RU WL. Run CBL/VDL/CCL from ±7775' to surface to determine cement coverage. Forward results to Evans Engineering (lisa.denke@anadarko.com and dave.gomendi@anadarko.com). Squeeze placement may change per CBL.  
14 PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 3600' and 3200' (adjust perf depths per CBL to be above cement stringers). RDWL.  
15 PU CICR on 2 3/8" tbg. RIH and set CICR at 3230'.  
16 RU Cementers. Pump 5 bbl water w/ biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.  
17 Pump Sussex Suicide: 190 sx (218.5 cuft of slurry) class "G", w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk to place suicide squeeze between perfs. Underdisplace and sting out of CICR to pump the final 2 bbls cement on top of retainer. Cement volume based on 400' in 8-3/4" annulus with 40% excess (Caliper log does not cover entire zone) plus 500' cmt in 4-1/2" csg.  
NOTE: Volume factor for 4-1/2" 12.6 ppf casing is 0.0854 cf/ft or 0.0152 bbl/ft. The factor does not appear in some tables.  
18 PU to 3000'. Circulate water containing biocide to clear tubing. POH, standing back tubing.  
19 WOC per cement company's recommendation (minimum 48 hours). PU & TIH with 3-7/8" bit and 2-3/8" TBG. Drill to 3300' (past top perfs and CICR). Pressure test through drill bit to 1,000 psi for 15 minutes. If PT passes proceed to next step. If test fails contact Evans Engineering for updated procedure.  
20 Drill out remaining cement plug. Pressure test squeeze to 1000 psi. Clean out to RBP at ±7800'. POH, standing back tubing.  
21 MIRU WL. Run CBL/VDL/CCL from 4500' to surface to determine if there is sufficient coverage over the Sussex. Forward the results to Evans Engineering (lisa.denke@anadarko.com and dave.gomendi@anadarko.com). RDMO WL.  
22 PU retrieving head for bridge plug. RIH with retrieving head and tubing to RBP at ±7800'. Latch onto and release RBP. TOO standing back 2-3/8" tubing and LD RBP.  
23 If tag depth was above 7907' (bottom of J-Sand formation perfs), cleanout to PBMD at ±8108'. If running sand is encountered, contact Evans Engineering.

**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**

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**Operator Comments:**

24 Hydrotest tubing in hole to 6000 psi with 2-3/8" NC, 2-3/8" XN profile nipple,  $\pm 3260'$  (105 $\pm$  jnts) of 2-3/8" tbg, Arrowset AS-1X packer for 4-1/2", 12.6 ppf casing, rated to 10,000 psi, and 2-3/8" tbg to surface. Set packer at  $\pm 4590'$ . Packer must be set between 4572' and 4602' because the cement above and below is not competent. Collars located at 4572' and 4610'. These depths are based on the ASAP CBL dated 1/26/1999: if the new CBL doesn't show cement from 4572' to 4602', contact Evans Engineering. Land EOT  $\pm 7850'$ , approximately 1 joint above J-Sand top perf at 7877'.

25 Fill 2-3/8" by 4-1/2" annulus w/ biocide treated water. Pressure test annulus to 1000 psi for 15 min. NOTE: Sussex squeeze perms will be in the tested interval.

26 RU rig lubricator. Broach tubing to seating nipple. RD rig lubricator.

27 ND BOP.

28 Install 7-1/16" x 2-1/16" EUE, 5000 psi tubing head adaptor, flanged 5000 psi master valve with EUE companion flange on top, and a 2-1/16 EUE flanged lubricator. Make sure all valves are rated to 5000 psi.

29 Using hydrotester, pressure test to 5000 psi from below the tubing head through the master valve.

30 RDMO WO rig. Return well to production team.

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

32 When notification sent to un-prep well, MIRU slickline. RIH and tag for fill. Note tagged depth in OpenWells. NOTE: If more than 25' of fill is encountered, contact Evans Engineering.

33 MIRU WO Rig.

34 ND WH. NU BOP.

35 Unset Arrowset AS-1X packer and TOO H w/ 2-3/8" tbg, Arrowset packer, XN profile nipple, and NC. Stand back tbg, LD packer. Return packer to shop and have it redressed.

36 Cleanout to 8108' PBTD.

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: 2/12/2015

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: 3/1/2015

**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.

2) Please submit gyro survey data with Form 5 Drilling Completion Report.

**General Comments****User Group****Comment****Comment Date**

Total: 0 comment(s)

**Attachment Check List****Att Doc Num****Name**

400790862 FORM 4 SUBMITTED

400790867 OTHER

Total Attach: 2 Files