

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: <b>400893264</b>			
Date Received: <b>08/31/2015</b>			

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

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- <u>123</u> <u>26919</u> <u>00</u>	OGCC Facility ID Number: <u>296802</u>
Well/Facility Name: <u>SHULTZ</u>	Well/Facility Number: <u>17-16</u>
Location QtrQtr: <u>SENE</u> Section: <u>16</u> Township: <u>4N</u> Range: <u>67W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Field Name: <u>WATTENBERG</u>	
Federal, Indian or State Lease Number: <u>82-7384</u>	

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 SENE Sec 16

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	
<u>1472</u>	<u>FNL</u>	<u>1268</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>4N</u>	Range <u>67W</u>	Meridian <u>6</u>	
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 SHULTZ Number 17-16 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    09/18/2015

☐ 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 JOB SUMMARY: Fox Hills Annular Fill and Replace top half of WH.  
2 There is an existing deviation survey, so a gyro survey is not needed.  
3 Casing was pressure tested at 6000 psi on December 30, 2008.  
4 Notify the Foreman and Field Coordinator at least 24 hrs 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.  
5 MIRU Slick line. Fish plunger if necessary and tag PBMD (should be 7336").  
6 Prepare location for base beam rig.  
7 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tubing.  
8 Spot 60 jts of 1.66" 2.33# J-55 IJ tubing.  
9 Notify mud company to have at least 38 barrels of 10.0 ppg mud on standby.  
10 Check wellhead for flanged-style connections and 5,000 psi rating. If wellhead is not rated to 5,000 psi or does not have flanged-style connections, install one that does prior to completing the job.  
11 MIRU WO rig. Kill well with fresh water containing biocide. ND wellhead. NU BOP.  
12 Run two 2" lines from starting head to return tanks.  
13 PU 8-10' landing joint with TIW safety valve on top and screw into the tubing hanger. Back out the lock-down pins and pull up on the tubing string to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,384-lb.  
14 Unseat tubing hanger. LD tubing hanger and landing joint. Install rubber wiper in stripping head.  
15 MIRU EMI equipment. TOO H with 2-3/8" tubing. EMI tubing while TOO H. 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 Open Wells. Clearly mark all junk (red band) tubing sent to yard.  
16 TIH 2-3/8" tubing with 4.5" RBP (4.5" 11.6# I-80). Set RBP at +/- 6850' (collars at 6825' and 6869'). Spot 2 sxs of sand on top of RBP. TOO H with 2-3/8" tubing, and standback.  
17 Pressure test RBP to 2,000 psi for 15 minutes (pressure test to make sure plug is set correctly).  
18 ND BOP, un-land 4-1/2" casing, RU dual-entry flange, and NU BOP. If casing cannot be safely un-landed, contact engineering for further support.  
19 PU and TIH with 1.66" 2.33# IJ tubing to 1650', and circulate Alcomer 74L mud flush while TIH (2 sweeps while TIH and 3rd sweep at 1650'). Call Tod Haanes (cell# 303-929-2339) if you cannot land EOT at 1650'.  
20 Circulate 106 bbls with rig pump (circulate at least 1.5x annular volume from 1650'), or until well is dead. Displace 38 bbls 10.0 ppg mud to 1650' (based upon 325 static psi, 8" OH, and 40% excess).  
21 TOO H 1.66" tubing to 1024'.  
22 MIRU cement company. Re-establish circulation. Commence pumping cement job consisting of 10 bbls fresh water spacer, 120 sxs (159 cf) of Type III+0.3% CFL-3+0.3% CFR-2+0.25 lb/sk Polyflake, 1.33 cf/sx, mixed at 14.8 ppg (cement from 1024' to 520'), and blended for a 3 hour pump time. This annular cement volume assumes 4-1/2" casing confinement of 402' in 8" OH at 40% excess, and 102' inside 8-5/8" surface casing with no excess.  
23 Break lines, clean up with fresh water, and RDMO cement company.  
24 Slowly PU tubing string and land EOT at +/- 520'. Circulate with water so the TOC will be at +/- 520'. The goal is to have cement at least 100' into the surface casing. The surface casing shoe is located at 622'.  
25 TOO H with 1.66" tubing. Circulate clean, and LD 1.66" tubing.  
26 ND BOP, ND dual entry flange, re-land 4-1/2" casing, and NU BOP. Leave well shut in a minimum of 24 hours.  
27 MIRU wire line and run CCL-GR-CBL-VDL from 6850' to Surface. Email logs to engineering and DJVendors@anadarko.com. RDMO wire line.  
28 TIH with 2 3/8" tubing with retrieving head, and tag sand above RBP at +/- 6850'. Circulate sand off RBP. latch onto RBP, and release. Circulate gas out of hole. TOO H standing back all 2 3/8" tubing and LD RBP.

## 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**

<b><u>No</u></b>		<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>

**Operator Comments:**

29 PU and TIH with 2-3/8" notched collar, 2-3/8" XN nipple, and 2-3/8" 4.7# J-55 tubing. Clean out to PBMD @ 7336'. TOOH and land 2-3/8" tubing at +/- 7196', which is 30' above the Codell perms.  
30 RU rig lubricator and broach tubing to the XN nipple with slickline. RD rig lubricator. ND BOP.  
31 Install 7-1/16" x 5,000 psi flanged tubing head adaptor with 5,000 psi flanged master valve. Make sure all WH valves are rated to 5,000 psi, and all nipples are double-X heavy.  
32 Install 2-3/8" pup joint above the master valve. MIRU hydrotester. Pressure test the tubing head from below the tubing head through the master valve to 5,000 psi using hydrotester. RDMO hydrotester.  
33 RDMO WO rig. Return well to production team.  
34 Clean location and swab well back to production. Notify field foreman/field coordinator 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: 8/31/2015

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

COGCC Approved: JENKINS, STEVE Date: 9/4/2015

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description**

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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**

400893264	FORM 4 SUBMITTED
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Total Attach: 1 Files