

**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
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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 22268 00 OGCC Facility ID Number: 272717  
Well/Facility Name: PIZ Well/Facility Number: 16-23  
Location QtrQtr: SESE Section: 23 Township: 3N 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 SESE Sec 23

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	
470	FSL	470	FEL
Twp 3N	Range 67W	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 PIZ Number 16-23 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 08/18/2017

☐ 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 Management 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:

Annular Fill (Bradenhead), 5K PT, and WH

1 Well needs a single stage annular fill from 1050' to 500' to mitigate bradenhead issues, 5K casing pressure test and WH change.

2 Well has gyro survey on 10/15/2014.

3 MIRU Slickline. Pull bumper spring and tag bottom. Record tag depth in Open Wells. RD slickline.

4 Prepare location for base beam equipped rig. Install perimeter fence as needed.

5 Check and record bradenhead pressure. If bradenhead valve is not accessible, re-plumb so that valve is above GL. Blow down bradenhead and re-check pressure the next day. Repeat until pressure stays at 0 psi.

6 MIRU WO rig. Spot 25 jts of 2-3/8" 4.7# J-55 tbg and 1200' of 1.66" 2.33# J-55 tubing.

7 Kill well as necessary with water and biocide. Attach a hardline from the bradenhead/surface casing valve to a flowback tank and blow down any Bradenhead pressure. If pressure does not blow down within 1 hour contact engineer, otherwise proceed.

8 ND wellhead. NU BOP.

9 PU 8-10' pup joint with TIW valve on top and screw into the tbg hanger. Unseat and LD the landing joint.

10 MIRU EMI services. EMI 2-3/8" tbg (landed at 7690') while TOO H and tally while standing back. 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.

11 PU and RIH with (4.5", 11.6#) Bit and Scraper on 2-3/8" tbg to 7220'. TOO H. SB all 2-3/8" tbg. LD bit and scraper.

12 PU 10,000 psi rated from above and below RBP (4.5", 11.6#), retrieving head, and 2-3/8" tubing. Set RBP at +/- 7210'.

13 Release tbg from RBP and circulate all gas out of the hole. Pumping water with biocide, pressure test RBP and production casing to 1000 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.

14 Stack out tubing on RBP and ND BOP.

15 ND existing tbg head, NU new 5,000 psi flanged tbg head complete with 5,000 psi rated casing valves. NU BOP.

16 PU on 2-3/8" tbg string and LD one joint of 2-3/8" tbg.

17 PU landing joint and land tbg in the new tbg head with a mandrel. ND BOP. NU WH with 5,000 psi flanged master valve. Ensure master valve is closed.

18 MIRU hydrotester. Pressure test the casing to 5,000 psi for 15 minutes. If pressure test fails, contact engineering. Bleed pressure off. RDMO hydrotesters.

19 ND WH. NU BOP. Unland 2-3/8" tbg with landing joint. LD landing joint and mandrel.

20 Dump and spot 2 sx of sand on top of RBP. TOO H and SB 2-3/8" tubing.

21 ND BOP. ND wellhead. Un-land casing using a casing spear, not a lifting sub. Max pull shall be 100,000#. If unable to unland, contact Engineering. NU double entry flange and BOP. Install 1.66" pipe rams.

22 PU 1.66" 2.33# J-55 10RD tubing and TIH between the 4-1/2" production casing and 8-5/8" surface casing/open hole to 1050' while continuously circulating. Make 2 sweeps of DF 20-20 while TIH. (annular volume ~ 43 bbl @ 1050') If unable to make it to 1050' call Engineering.

23 Circulate with the rig pump to condition the hole or until well is completely dead. Pump a final sweep of DF 20-20 at 1050' (annular volume ~43 bbls). Circulate a minimum of 1.5 annular volumes and ensure well is dead. If not able to circulate dead, contact engineering.

24 MIRU cementing services. Establish circulation and pump 20 bbl (5 bbls of water, 10 bbls of sodium silicate, and 5 bbls water) spacer, GasBLOK 185 sx (215 cf) 15.8 ppg 1.16 yield. (based on 7.88" hole size + 60% excess from 1050'-844' and from 844' to 500' between 8-5/8" 24# surface casing and 4-1/2" 11.6# production casing). Attempt to cement from 1050'-500'. Plan for 3 hour pump time.

25 TOO H with 1.66" 2.3# J-55 10RD IJ tubing until EOT is at 300' and LD extra tbg. Circulate with freshwater 1.5 times the hole volume or until returns are clean. RDMO cementing services.

**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:**

26 TOOH and LD all 1.66" 2.3# J-55 10RD IJ tubing. ND BOP and double entry flange. Use 4-1/2" casing spear to re-land 4-1/2" casing. NU WH and BOP. Install 2-3/8" pipe rams. Shut well in and WOC for a minimum of 24hrs.

27 MIRU wireline and run CCL-GR-CBL-VDL from +/- 4500' (below the original TOC) to surface. If the cement is not at or above 794', 50' inside the surface casing shoe, contact engineer. RDMO wireline services. In addition to normal handling, of logs/job summaries, email copies of all cement job logs/job summaries and invoices to DJVendors@anadarko.com within 24 hrs of the completion of the job.

28 PU and TIH with retrieving head and 2-3/8" tubing.

29 Circulate sand off of RBP. Pressure test casing to 1000 psi for 15 minutes. Latch onto and release RBP at +/- 7210'. Circulate gas out of hole. TOOH standing back all 2-3/8" tubing and LD RBP.

30 PU & TIH with a 2-3/8" NC, 2-3/8" XN nipple, and 2-3/8" tbg to surface.

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

32 Install 7-1/16" flanged 5000 psi tubing head adaptor with studded top, 2-1/16" flanged 5000 psi master valve, flanged 5000 psi 2-1/16" plunger lubricator (side outlets threaded). Make sure all wellhead valves are rated to 5,000 psi and all nipples are XXH. Document wellhead components in an OpenWells wellhead report.

33 Install 2-1/16" pup joint 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.

34 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: 8/11/2017

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

COGCC Approved: Wolfe, Stephen Date: 8/29/2017

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type****Description**

	The additional cement referenced shall be placed as indicated. The placed cement shall be verified with a CBL and documented with a Form 5.
	Prior to starting repair work a bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, or if pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineer for sampling requirements before pumping any cement. The Form 17 shall be submitted within 10 days of the test.

**General Comments**

**User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)

**Attachment Check List**

**Att Doc Num****Name**

401373798	SUNDRY NOTICE APPROVED-REPAIR
401373801	OTHER
401373802	WELLBORE DIAGRAM
401390396	FORM 4 SUBMITTED

Total Attach: 4 Files