

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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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 DOREEN GREEN
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (970) 336-3517
 Address: P O BOX 173779 Fax: ()
 City: DENVER State: CO Zip: 80217-3779 Email: DOREEN.GREEN@ANADARKO.COM

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 17258 00 OGCC Facility ID Number: 249455
 Well/Facility Name: KUGEL V Well/Facility Number: 18-5
 Location QtrQtr: SWNW Section: 18 Township: 2N 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 SWNW Sec 18

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 _____ Range _____

New **Bottomhole** Location Sec _____ Twp _____ Range _____

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>1964</u>	<u>FNL</u>	<u>524</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>2N</u>	Range <u>67W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____ **
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____ **

** attach deviated drilling plan

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 05/10/2017

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 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:

HZ SAFETY PREP-REMEDIAL CEMENT

1 Well needs a single stage annular fill from 1115' to 325'.
2 WELL NEEDS GYRO.
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 7600' (~236 jts) of 1.66" 2.33# J-55 tubing. Well may not have tubing.
7 Kill well as necessary with water and biocide. 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 Lay down ALL tbg (unknown size, may have no tubing) while TOO H.
11 PU and TIH with (2 7/8", 8.7#) Bit and Scraper on 1.66" tbg to 7380'. TOO H. SB all 1.66" tbg. LD bit and scraper.
12 PU 10,000 psi rated from above and below RBP (2 7/8", 8.7#), retrieving head, and 1.66" tubing. Set RBP at +/- 7370'.
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 5 minutes. If pressure test passes, proceed; otherwise contact engineering.
14 Dump and spot 2 sx of sand on top of RBP and TOO H and SB 1.66" tubing.
15 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 (with 2 7/8" x 4 1/2" swedge) and BOP. Install 1.66" pipe rams.
16 PU 1.66" 2.33# J-55 10RD tubing and TIH between the 2 7/8" production casing and 8-5/8" surface casing/open hole to 1115' while continuously circulating. Make 2 sweeps of DF 20-20 while TIH. If unable to make it to 1115' call Engineering.
17 Circulate with the rig pump to condition the hole or until well is completely dead. Pump a final sweep of DF 20-20 at 1115' (annular volume ~75 bbls). Circulate a minimum of 1.5 annular volumes and ensure well is dead. If not able to circulate dead, contact 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:

<u>Best Management Practices</u>	
<u>No BMP/COA Type</u>	<u>Description</u>

Operator Comments:

18 MIRU cementing services. Establish circulation and pump 20 bbl (5 bbls of water, 10 bbls of sodium silicate, and 5 bbls water) spacer, 365 sx (424 cf) 15.8 ppg 1.16 yield. (based on 7.88" hole size + 60% excess from 1115'-576' and from 576' to 325' between 8 -5/8" 24# surface casing and 2 7/8" 8.7# production casing). Attempt to cement from 1115'-325'. Plan for 3 hour pump time.

19 TOOH with 1.66" 2.3# J-55 10RD IJ tubing until EOT is at 250' and LD extra tbq. Circulate with freshwater 1.5 times the hole volume or until returns are clean. RDMO cementing services.

20 TOOH and LD all 1.66" 2.3# J-55 10RD IJ tubing. ND BOP and double entry flange. Use 2-7/8" casing spear to re-land 2-7/8" casing. NU BOP. Install 1.66" pipe rams. Shut well in and WOC for a minimum of 24hrs.

21 MIRU wireline and run CCL-GR-CBL-VDL from +/- 5000' (below the original TOC) to surface. If the cement is not at or above 526', 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.

22 PU and TIH with retrieving head and 1.66" tubing.

23 Circulate sand off of RBP. Latch onto and release RBP at +/- 7370'. Circulate gas out of hole. TOOH standing back all 1.66" tubing and LD RBP.

24 Rig up hydrotester and hydrotest tubing to 3,000 psi while TIH. PU & TIH with a 2-3/8" NC, 2-3/8" XN nipple, ~10 jt of 1.66" 2.33# J-55 tbq (to set packer at 7130'), 2-7/8" Arrowset AS-1X packer rated to 10,000 psi (2-7/8", 8.7#), and 1.66" tubing to surface.

25 Set packer at +/- 7130'. Land tubing (EOT at +/- 7430', 1 jt above top Codell perf). Verify XN nipple sizes and enter in Open Wells.

26 Load backside with packer fluid. (Julio Ramirez 970-518-2166 or Cesar Rodriguez 970-590-2682 with Reliable Services). Pressure test to 500 psi for 15 minutes. Do not load hole with water out of the work tank.

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

28 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.

29 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.

30 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: DOREEN GREEN
 Title: REGULATORY ANALYST Email: DJREGULATORY@ANADARKO.COM Date: 5/1/2017

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

COGCC Approved: McCoy, Diane Date: 5/1/2017

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
	1) 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. 2) The additional cement referenced shall be placed as indicated. The placed cement shall be verified with a CBL and documented with a Form 5. Submit gyro survey data with the Form 5.

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401270609	SUNDRY NOTICE APPROVED-REPAIR
401270612	OTHER
401270613	OTHER
401271163	FORM 4 SUBMITTED

Total Attach: 4 Files