

State of Colorado
Oil and Gas Conservation Commission

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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 20287 00 OGCC Facility ID Number: 259299
 Well/Facility Name: HSR-WEST FARM Well/Facility Number: 5-14A
 Location QtrQtr: SWNW Section: 14 Township: 3N Range: 67W Meridian: 6
 County: WELD Field Name: WATTENBERG
 Federal, Indian or State Lease Number: _____

Survey Plat		
Directional Survey		
Srfc 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:

1884	FNL	655	FWL

Change of **Surface** Footage **To** Exterior Section Lines:

Current Surface Location From	QtrQtr	<u>SWNW</u>	Sec	<u>14</u>	Twp	<u>3N</u>	Range	<u>67W</u>	Meridian	<u>6</u>
New Surface Location To	QtrQtr		Sec		Twp		Range		Meridian	

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		Twp		Range	
New Top of Productive Zone Location To	Sec		Twp		Range	

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	

** attach deviated drilling plan

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 _____

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 Well needs Niobrara squeeze, production packer, and a WH rated to 5000 psi.
 2 Call automation removal group 24 hours before rig up to isolate any production equipment (remove plunger, wellhead automation, etc.). Prepare to move base beam rig onto location. Install fence if needed.
 3 Check and report surface casing pressure. If valve is not accessible at ground level, re-plumb so valve is at ground level.
 4 MIRU slickline. RIH to retrieve production equipment and tag for fill. Last tagged depth on 3/23/2010 was 7579'. Note tagged depth in OpenWells. RDMO slickline.
 5 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.
 6 Unland 2-3/8" tbg and lay down landing joint.
 7 MIRU EMI services. EMI 2-3/8" tbg while TOO 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.
 8 PU 4 1/2" CIBP and RIH on 2 3/8" tbg. Set CIBP @ 6810' (collars @ 6794' and 6836')
 9 Release tbg from CIBP and circulate all gas out of the hole. Pumping water with biocide, pressure test CIBP and production casing to 1,000 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.
 10 Bleed off pressure and TOO standing back all 2 3/8" tbg. Load hole with biocide treated water.
 11 MIRU WL. PU and RIH with 3-1/8" guns and shoot squeeze holes at 6610' using 3 SPF, 0.42" EHD, 120 deg phasing. RD WL.
 12 PU and TIH with CICR, and 2-3/8" tbg and set CICR at 6570' (collars at 6584' and 6542').
 13 MIRU cementing services. Establish injection rate with water and pump 100 sx Poz:G:Gel + 20% silica, 0.4% CFL-3 + 0.4% CHR-2 + 0.1% SMS mixed at 13.5 ppg and 1.66 cuft/sx. (cement volumes based on 400' of 8" hole with 20% excess). Displace cement to the CICR using 24 bbl of water. Sting out of CICR. RDMO cementing services.
 14 Reverse circulate using or until returns are clean.
 15 TOO and stand back all 2-3/8" tbg. Allow cement to set up per cement company recommendations.
 16 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to CICR. Drill out CICR and cement past lower perms at 6610' and pressure test to 1000 psi for 15 minutes. If pressure test passes, drop down to 6810' and drill up CIBP. If PT fails, contact engineering.
 17 TOO and stand back all 2-3/8" tubing. LD 3-7/8" bit. Load hole with biocide treated water.
 18 MIRU wireline services. RIH with CCL-GR-CBL-VDL. Log from +/- 6810' (depth of CIBP) to surface. Email results to Evans Engineering. If the cement is not above 6456' contact engineer. RDMO wireline services.
 19 ND BOP.
 20 ND existing tubing head off the 4.5" casing and install new WHI 5,000 psi flanged tubing head complete with 5,000 psi rated casing valves and XXH nipples.
 21 NU BOP.
 22 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to CIBP at +/- 6810'. Drill out CIBP.
 23 TOO and stand back all 2-3/8" tubing. LD 3-7/8" bit.
 24 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), 23 joints of 2-3/8" 4.7# J-55 tbg, Arrowset AS-1X packer rated to 10,000 psi for 4-1/2", 11.6#/ft casing, and 2-3/8" tbg to surface. Set packer at +/- 6,820'. Land EOT at +/- 7531' (1 joint above the top J-sand perms).
 25 Load 2-3/8" x 4-1/2" annulus with biocide treated water and pressure test to 1,000 psi for 15 minutes to be sure packer is set properly.
 26 RU rig lubricator. Broach tubing to seating nipple. RD rig lubricator. ND BOP.
 27 Install 7-1/16" x 5,000 psi tubing head adaptor with new 5,000 psi master valve with flanged 2-3/8" connection. Make sure all wellhead valves are rated to 5,000 psi and nipples are XXH.
 28 Install 2-3/8" 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.
 29 RDMO WO rig. Return well to production team.

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:

30 END OF SAFETY PREP STEPS. BELOW ARE STEPS FOR UN-PREPPING THE WELL
 31 When notification is sent to un-prepare the well, MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.
 32 Unland 2-3/8" tbg and lay down landing joint.
 33 Release Arrowset AS-1X packer and TOOH standing back all 2-3/8" tubing and LD packer. Return packer to shop it was purchased from and have the packer redressed.
 34 If sand fill was tagged above 7622' (depth of bottom J sand perfs) on initial safety prep, then either reverse circulate to cleanout well to PBMD at +/- 7688'. Otherwise proceed to next step.
 35 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), and 2-3/8" 4.7# J-55 tbg to surface. Land EOT at +/- 7531' (1 joint above top J Sand perfs).
 36 RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP. NU WH.
 37 Install 7-1/16" x 5,000 psi tubing head adaptor and 5,000 psi master valve with flanged 2-3/8" connection. Make sure all wellhead valves are rated to 5,000 psi, and nipples are XXH.
 38 Install 2-3/8" 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.
 39 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: _____

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

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400893274	OTHER

Total Attach: 1 Files