

State of Colorado
Oil and Gas Conservation Commission

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DE	ET	OE	ES
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Date Received: <u>03/25/2015</u>			

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-	<u>123</u>	<u>15045</u>	<u>00</u>	OGCC Facility ID Number:	<u>247248</u>
Well/Facility Name:	<u>HSR-HARLAND</u>				Well/Facility Number:	<u>3-7A</u>
Location	QtrQtr: <u>NENW</u>	Section: <u>7</u>	Township: <u>3N</u>	Range: <u>65W</u>	Meridian: <u>6</u>	
County:	<u>WELD</u>		Field Name:	<u>WATTENBERG</u>		
Federal, Indian or State Lease Number:						

Survey Plat		
Directional Survey		
Srvc Eqpmnt 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 **NENW** Sec **7**

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	
690	FNL	2010	FWL
Twp	3N	Range	65W
Twp		Range	
			**
Twp		Range	
Twp		Range	
			**
Range		** attach deviated drilling plan	
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 HSR-HARLAND Number 3-7A 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 04/08/2015

☐ 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 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:

1 Well needs Fox Hills remedial cement coverage due to COA's and a production packer set ahead of the Wardell 35G-7HZ.
2 Gyro ran 4/26/2014, do not run another gyro.
3 Call Foreman or Lead Operator 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.
4 MIRU slickline. Fish plunger from lubricator. RIH and pull the bumper spring and standing valve if necessary. RIH with sinker bars and tag bottom (last tag at 7972' 5/2/2014). Report findings. RDMO slickline.
5 Prepare location for base beam rig.
6 Spot a minimum of 10 jts of 2-3/8", 4.7#, J-55, EUE tbg for replacement and 60 jts 1.66", 2.33#/ft, J-55, 10rd IJ for annular cement job.
7 MIRU WO rig and auxiliary equipment. Kill well with fresh water and biocide. ND tree and adapter flange, NU BOP's.
8 Unland 2-3/8" tbg and lay down landing joint.
9 Release AS-1X packer set @ 4524'. TOOH and SB 2-3/8" tbg, do not exceed safety tensile load of 53,000 lbs. EMI was ran 5/2014, not necessary to rescan tbg while TOOH.
10 MIRU wireline. RIH on wireline with CCL and 4-1/2" 10,000 psi rated from above and below RBP. Set RBP @ +/- 6742', (collars at 6722' and 6764') and POOH. Dump bail 2 sx of sand on top of RBP. Pressure test RBP and casing to 1000 psi for 15 minutes.
11 Bleed off casing pressure. ND BOP's, ND wellhead, Un-land 4 1/2" casing, NU dual entry flange, NU BOP.
12 PU 1.66" 2.33#/ft J-55 10rd IJ tubing, and TIH outside 4-1/2" casing in open hole to ~1650', if unable to make depth, contact engineering to discuss plan moving forward. Circulate with the rig pump while TIH to clean up the annulus. Use two sweeps of Alcomer 74L while TIH and a final sweep at 1650'. Make sure no pressure is present on bradenhead before moving on to the next step. If gas is detected, contact engineering to discuss plan moving forward.
13 Contact Ed Asuchak (970-590-7130) (min of 24hrs. in advance) to bring out 20bbls of 10.0ppg mud. Pump 20bbls of mud at 1650'. Leave 1.66" tbg full of mud to avoid wet trip and PUH to 1450' to place cement in annulus. Do not circulate 10.0 ppg mud out of hole.
14 MIRU cement services. Mix & pump as follows: 10 bbls fresh water followed by 410 sx of Type III with 1/4 lb/sk cello-flake mixed at 14.8 ppg and 1.33 cuft/sk blended for a 3 hr pump time. Design is for coverage from 1,450' to 570' in 11" Borehole (has caliper log over surface interval) with 20% excess.
15 TOOH ~34 joints to ~400' and circulate 1.5 times the hole volume of water treated with biocide or until no cement returns are seen. TOOH with 1.66" tubing.
16 RDMO cementing company.
17 ND BOP. ND dual entry flange and crossover. Pick up and land 4-1/2" casing in slips.
18 Install new GE 5000 psi 4-1/2" bottom threaded tbg head with 7-1/16" flanged top, 7-1/16" flanged 5000 psi tbg head adaptor with 2 -1/16" studded top, 2-1/16" flanged 5000 psi master valve, flanged 5000 psi 2-3/8" plunger lubricator (side outlets threaded). All valves, fittings, plugs on well head need to be rated for 5000 psi. NU BOP.
19 Leave well shut in for ~24hrs.
20 MIRU wireline and run CCL-GR-CBL-VDL from 4000' to surface. If new top of cement is below 550' notify Engineering. In addition to normal handling of logs/job summaries, email copies of all cement job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hours of the completion of the job.
21 RDMO wireline.
22 PU and TIH with 2-3/8" tbg and retrieving head. Circulate sand off RBP at @ +/-6742'. TOOH with RBP and SB tbg.
23 MIRU hydrotester.

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 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), ~93 joints 2-3/8" 4.7# J-55 tbg, Arrowset AS-1X packer rated to 10,000 psi, and 2-3/8" 4.7# J-55 tbg to surface. Hydrotest tubing to 6,000 psi while TIH. Set packer at +/- 4,204' (collars at 4,183' and 4,226'), engineering verified competent cement in this interval. Land EOT at +/- 7,100' (1 joint above top NIO perfs). RDMO hydrotester.

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 flanged tubing head adaptor with 5,000 psi flanged master valve with threaded 2-3/8" connection. Make sure all wellhead valves are rated to 5,000 psi.

28 Install 2-3/8" seating nipple 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.

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 TIH to tag sand fill, report findings. 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 7,500' (liner top), then reverse circulate, with N2 as necessary, or bail to cleanout to 7,500' (liner top). Otherwise proceed to next step.

35 MIRU hydrotester. PU and TIH while hydrotesting to 6,000 psi w/ 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 +/- 7,390' (1 joint above top of CD perfs). RDMO hydrotester.

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 flanged master valve. Make sure all casing valves are 5,000 psi rated w/ Double X Heavy nipples. Make sure all wellhead valves are rated to 5,000 psi.

38 Install 2-3/8" seating nipple 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: 3/25/2015

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: 3/25/2015

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**

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Total: 0 comment(s)

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

400815149	FORM 4 SUBMITTED
400815150	OTHER

Total Attach: 2 Files