

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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|--------------------------------------|----|----|----|
| DE | ET | OE | ES |
| Document Number: 400551468 | | | |
| Date Received: 02/06/2014 | | | |

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 10067 00 OGCC Facility ID Number: 242276
 Well/Facility Name: ROY DUTCHER UNIT Well/Facility Number: 2
 Location QtrQtr: NENW Section: 24 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:

| | | | |
|------|---------|------|---------|
| | FNL/FSL | | FEL/FWL |
| 1080 | FNL | 1640 | FWL |

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

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Current **Surface** Location **From** QtrQtr NENW Sec 24

Twp 2N Range 67W Meridian 6

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:

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|--|--|--|--|
| | | | |
|--|--|--|--|

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

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Current **Bottomhole** Location Sec _____ Twp _____ Range _____

** attach deviated drilling plan

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 _____

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 02/28/2014

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:

REMEDIAL CEMENT

Dutcher Roy Unit 2: Run CBL, Niobrara Cement Coverage, Replace Wellhead, & Set Production Packer

Well needs CBL ran, remedial Niobrara cement, replace wellhead, and set production packer

Well is to be worked on in preparation for upcoming crop season HZ pads

TOC: 7,090' (need to verify depths of additional existing uphole cement) NB top: 7,135'

Soonest Frac: 4/1/14

squeeze holes at 4,800' & 4,405'

Prep & Produce

1 Call foreman and/or field coordinator 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. Operations need to bleed off the bradenhead pressure before the rig gets on location.

2 Check and report surface casing pressure. If valve is not accessible at ground level, re-plumb so valve is at ground level.

3 MIRU slickline. RIH to retrieve production equipment and tag for fill (last tagged at 7,944' on 4/11/04). Note tagged depth in OpenWells. RDMO slickline.

4 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.

5 Unland 2-3/8" tbg and lay down landing joint.

6 MIRU EMI services. EMI 2-3/8" tbg 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.

7 PU 10,000 psi rated from above and below CIBP (4.5", 10.5#/11.6#, K-55) and 2-3/8" tubing. Set CIBP at +/- 7,360' (collars located at 7,338' and 7,382').

8 Release tbg from CIBP and circulate all gas out of the hole. Pumping water with biocide, pressure test RBP and production casing to 1,000 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.

9 Bleed off pressure and TOO H standing back all 2-3/8" tbg. Load hole with biocide treated water.

10 MIRU wireline services. PU and RIH with CCL-GR-CBL-VDL. Log from tagged CIBP depth (+/- 7,360') to surface while holding +/- 1,000 psi on casing to verify cement coverage. Contact engineering after CBL is ran to confirm inadequate cement top expected to be +/- 45' above Niobrara top (cement top needs to be at least 6,735'; current cement top should be at +/- 7,090'), and also to confirm packer setting depth (needs to be high in casing with competent cement behind pipe).

11 **ALL BELOW STEPS ASSUME TOP OF CEMENT IN WELL AT +/- 7,090' with no additional cement to 4,804'***

12 PU and RIH with 3-1/8" guns and shoot squeeze holes at +/- 7,070' using 3 SPF, 0.38" EHD, 33.65" penetration, 1' net, 3 total shots. Tie into CCL-GR-CBL-VDL log ran in step 10.

13 PUH with perf guns and shoot additional squeeze holes at 6,685' using 3 SPF, 0.38" EHD, 33.65" penetration, 1' net, 3 total shots. Tie into CCL-GR-CBL-VDL log ran in step 10. RDMO wireline services.

14 PU and TIH with CICR, stinger, and 2-3/8" tbg to set CICR at 6,735'. Sting into CICR.

15 MIRU cementing services. Establish injection rate with water and pump 100 sx 50/50 Poz "G" with 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cuft/sx. (cement volumes based on 9" hole with 20% excess).

Displace cement past the cement retainer to +/- 6,970' using 29.6 bbl of water (estimated TOC at +/- 5,930' inside 4-1/2" casing).

16 Sting out of the CICR and PUH 2 stands so EOT is at +/- 6,610' (just above top squeeze holes at +/- 6,685'). Reverse circulate using approx. 51 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services.

17 TOO H and stand back all 2-3/8" tbg. Allow cement to set up for at least 24 hours.

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 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to cement top estimated at +/- 5,930'. Drill out cement, CICR and pressure test squeeze holes at 6,685' and 7,070' to 1,000 psi. **DON'T DRILL OUT CIBP AT 7,360'** If pressure test fails contact engineering, otherwise proceed to next step.

19 TOOH and stand back all 2-3/8" tubing. LD 3-7/8" bit. Load hole with biocide treated water.

20 MIRU wireline services. RIH with CCL-GR-CBL-VDL. Log from +/- 7,360' (depth of CIBP) to 100' above TOC (estimated to be +/- 6,685'). If the cement is not above 6,685' contact engineer. RDMO wireline services.

21 ND BOP.

22 ND existing tubing head off of 4.5" casing and install new WHI 5,000 psi flanged tubing head complete with 5,000 psi rated casing valves.

23 NU BOP.

24 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to CIBP at +/- 7,360'. Drill out CIBP and clean well out to PBMD at +/- 7,970'.

25 TOOH and stand back all 2-3/8" tubing. LD 3-7/8" bit.

26 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), 2-3/8" 4.7# J-55 tbg (exact joints determined once depth of packer is identified from CBL), Arrowset AS-1X packer rated to 10,000 psi, and 2-3/8" 4.7# J-55 tbg to surface. Set packer at (depth determined once top of cement is identified from CBL). Land EOT at +/- 7,840' (1 joint above top J Sand perfs).

27 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.

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

29 Install 7-1/16" x 5,000 psi tubing head adaptor with new 5,000 psi master valve with threaded 2-3/8" connection. Make sure all wellhead valves are rated to 5,000 psi.

30 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.

31 RDMO WO rig. Return well to production team.

32 END OF SAFETY PREP STEPS. BELOW ARE STEPS FOR UN-PREPPING THE WELL

33 When notification is sent to un-prepare the well, MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.

34 Unland 2-3/8" tbg and lay down landing joint.

35 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.

36 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 +/- 7,840' (1 joint above top J Sand perfs).

37 RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP. NU WH.

38 Install 7-1/16" x 5,000 psi tubing head adaptor and 5,000 psi master valve with threaded 2-3/8" connection. Make sure all wellhead valves are rated to 5,000 psi.

39 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.

40 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: 2/6/2014

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: 2/7/2014

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

| | |
|--|---|
| | The additional cement referenced shall be placed as indicated and comply with Rule 317.i. The placed cement shall be verified with a CBL and documented with a Form 5 Drilling Completion Report. |
|--|---|

General Comments

| User Group | Comment | Comment Date |
|-------------------|----------------|---------------------|
| | | |

| | | |
|--|--|--|
| | | |
|--|--|--|

Total: 0 comment(s)

Attachment Check List

Att Doc Num

Name

| | |
|-----------|------------------|
| 400551468 | FORM 4 SUBMITTED |
| 400551471 | OTHER |

Total Attach: 2 Files