

State of Colorado
Oil and Gas Conservation Commission1120 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	07766	00	OGCC Facility ID Number:	239978			
Well/Facility Name:	WILLIAM D. LANSDOWN B UNIT			Well/Facility Number:	1				
Location QtrQtr:	SESW	Section:	21	Township:	2N	Range:	66W	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	
1090	FSL	1340	FWL

Change of **Surface** Footage **To** Exterior Section Lines:Current **Surface** Location **From** QtrQtr **SESW** Sec **21**Twp **2N** Range **66W** Meridian **6**New **Surface** Location **To** QtrQtr _____ Sec _____

Twp _____ Range _____ Meridian _____

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

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Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

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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:

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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 _____

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 WILLIAM D. LANSDOWN B UNIT Number 1 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 06/11/2014

☐ 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 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:

REMEDIAL CEMENT: cement job to satisfy a COA for offset HZ wells
Lansdown William D B1: Niobrara Remedial Cement
1 MIRU WO rig and auxiliary equipment. Check pressures. ND tree and adapter flange, NU BOP. TOOH with 2-3/8" tbg.
2 RIH on wireline with CCL and 4-1/2" 10,000 psi rated from above and below CIBP. Set CIBP at +/- 7210' (collars at 7194' and 7224') and POOH. Dump bail 2 sx of sand on top of CIBP and POOH. Pressure test CIBP to 1,000 psi for 15 minutes.
3 Rig up one 3" line from the casing head annulus to work tank. Kill well with fresh water. ND BOP. ND existing tubing head off of 4.5" casing and install new WHI 5,000 psi flanged tubing head complete with 5,000 psi casing valves. Be sure all wellhead equipment is rated to 5,000 psi.
4 NU lubricator, PU CCL and perf guns. Correlate depth to CBL. PUH and shoot squeeze holes as per the following: 6920'-6921', 3 spf, 0.38" EHD. PUH and shoot circulation holes as per the following 6520'-6521', 3 spf, 0.6" EHD. POOH and LD guns. Referencing the CBL, ensure perforations are not made on a collar.
5 PU and TIH retrievable packer for 4-1/2", 10.5/11.6# casing. Set packer at 6800'. Establish injection/circulation before setting CICR. Note rate, pressure, volume pumped. Release packer and TOOH while standing back tubing and laying down packer.
6 RIH and set CICR at 6800' (collars at 6780' and 6810'). RDMO wireline.
7 PU stinger and RIH on 2-3/8" tbg. Sting into CICR at 6800'.
8 NU cement head and RU cement services. Mix and pump ~130 sx (39.6 BBL) 50/50 Poz "G", 20% silica flour, 3% gel, 0.1% SMS, 0.4% FL-52, mixed at 13.5 ppg and 1.71 cu ft/sk, into squeeze holes at 6920'. Displace cement 1.5 bbl short of CICR. Sting out of CICR, place 1/2 bbl of remaining cement on top of CICR. PUH to squeeze circulation holes at 6521'. Place remaining cement across holes. PUH 3 stands and reverse circulate 141 bbl biocide treated water. Design is for coverage from 6920' to 6520' in 10" hole including a 20% excess.
9 TOOH and stand back tbg. LD stinger.
10 WOC for 48 hours minimum.
11 TIH with 3-7/8" bit on 2-3/8" tbg. Drill through cement and CICR down to at least 7000'. Do not drill out CIBP at 7210' until CBL is run.
12 Pressure test squeeze perforations to 1000 psi for 15 minutes. If pressure test passes, proceed.
13 MIRU wire line and run CCL-GR-CBL-VDL from top of CIBP at 7210' (and 2 sx of sand) to surface. Call Evans Engineering before moving on to step 19. Verify new Niobrara cement top as well as that stage tool was set and used from 786' to 400'. If Fox hills coverage is not adequate, contact Evans Engineering for additional procedure to appropriately remediate. 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. RDMO wireline.
14 TIH with 3-7/8" bit on 2-3/8" tbg. Drill through CIBP down to at least 7250'. TOOH.
15 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), 20 joints of 2-3/8" 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 +/- 6,800' (collars located at 6780' and 6810'). Land EOT at +/- 7412' (one joint above bottom Codell perf).
16 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.
17 ND BOP. Install 7-1/16" x 2-1/16" 5,000 psi tubing head adaptor and new flanged 5,000 psi master valve with 2-3/8" EUE companion flange on top. Make sure all wellhead valves are rated to 5,000 psi.
18 RU rig lubricator. Broach tubing to seating nipple. RD rig lubricator.
19 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. RDMO hydrotester.
20 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:

Best Management Practices

No BMP/COA Type

Description

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Operator Comments:

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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: 5/30/2014

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: 5/30/2014

CONDITIONS OF APPROVAL, IF ANY:**COA Type****Description**

	1) Existing CBL shows adequate Niobrara coverage not present so provide remedial cement at least 200' above Niobrara. 2) Verify existing aquifer coverage with a cement bond log. 3) If cement/DV tool is confirmed at any depth shallower than +/- 910, provide remedial cement from 1250' to the DV tool cement. 4) 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.
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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>
400617475	FORM 4 SUBMITTED
400617478	OTHER

Total Attach: 2 Files