

State of Colorado Oil and Gas Conservation Commission

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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: 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 11638 00	OGCC Facility ID Number: 243846
Well/Facility Name: D K NORNGREN UNIT C TRUE	Well/Facility Number: #1
Location QtrQtr: NESE Section: 14 Township: 3N 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 **NESE** Sec **14**

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	
1650	FSL	1000	FEL
Twp 3N	Range 67W	Meridian 6	
Twp _____	Range _____	Meridian _____	
			**
Twp _____	Range _____		
Twp _____	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 D K NORGREN UNIT C TRUE 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 03/30/2015

☐ 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 single stage bradenhead squeeze.
2 Well had gyro survey completed 12/18/2014.
3 Contact field foreman or field coordinator before rig up to isolate production equipment. Catch and remove plunger. Enter plunger into PLUNGER DATABASE. Call prior to the rig moving onto location so that any automation equipment can be removed prior to the rig showing up. Install fence if needed. If surface casing is not accessible at ground level, re-pipe so valve is at ground level. Plug all disconnected valves around wellhead.
4 Level location for base beam rig.
5 MIRU slickline. RIH to retrieve production equipment and tag fill (last tag depth at +/- 7,782' on 3/17/06). RDMO slickline.
6 Spot appropriate number of drill collars to drill out cement plug at +/- 1,200' in 5 1/2" 15.5# J-55 casing.
7 MIRU workover rig. Control well with biocide treated water.
8 ND wellhead and NU BOP.
9 Unseat tubing hanger. LD landing joint and tubing hanger.
10 MIRU EMI services. EMI 2 3/8" tubing on TOO H and tally while standing back tubing. Lay down joints with wall loss or penetrations >35%. Replace bad joints as necessary. Note joint number and depth of bad tubing and create production equipment failure report in Open Wells. RDMO EMI services.
11 PU and RIH 10,000 psi rated RBP above and below (5 1/2", 17#, N-80) and set RBP at +/- 7,690'.
12 Circulate out any gas and load hole. Pressure test the RBP to 1,000 psi for 15 minutes. Spot 2 sacks of sand on top of RBP.
13 TOO H with 2 3/8" tubing, SB tubing.
14 If needed, ND BOP and existing tubing head off of 5 1/2" casing, install new WHI 7 1/16", 5,000 psi flanged tubing head complete w/ 5,000 psi rated casing valves, NU BOP.
15 MIRU WL. Run CCL-GR-CBL-VDL from 7,690' to 0'. If cement is not above 4,000', contact engineering for a modified procedure. E-mail logs to engineering and DJVendors@anadarko.com.
16 PU and RIH with CCL and 3 1/8" perforating gun, 0.38" EHD charge, 3 spf, 120 deg phasing, 1 ft total. Perforate 5 1/2" casing at +/- 1,300' avoiding any collars identified by CCL. POOH, RDMO WL.
17 Establish circulation with rig pump at greater than 2 BPM. Circulate at least 130 bbls (1.5X annular volume) until well is dead. If circulation cannot be established, contact engineering for a modified procedure.

18 MIRU cement company. Establish circulation with biocide treated water and commence pumping cement job consisting of 5 bbls fresh water, 20 bbls sodium metasilicate, 5 bbls fresh water, and 93 bbl (300 sx) of ControlSet-C (Sanjel blend) with 1/4 lb/sk cello flake mixed at 13.5 ppg and 1.74 cuft/sk (cement from 1,300' to 640'). Drop wiper plug and displace with +/- 28 bbls biocide treated water (leave ~100' of cement in casing).
19 Break lines, clean up with fresh water, RDMO cement company.
20 Leave well shut in 48 hours.
21 PU drill collars and appropriate bit/mil and TIH with 2 3/8" tubing and crossover. Rig up power swivel and cleanout to +/- 1,500'.
22 Pressure test casing to 1,000 psi for 15 minutes. If pressure does not hold, contact engineering for further support. TOO H 2 3/8" tubing, drill collars, and bit. SB tubing and LD drill collars and bit.
23 MIRU WL. Run CCL-GR-CBL-VDL from 1,500' to 0'. If cement is not above 640', contact engineering for support. E-mail logs to engineering and DJVendors@anadarko.com. RDMO WL.
24 TIH with retrieving head and 2 3/8" tubing, tag sand above RBP at +/- 7,690'. Circulate sand off RBP, latch onto and release RBP. TOO H standing back tubing and LD RBP.
25 If fill is encountered above 7,794' (bottom J Sand perf), PU and TIH w/ 2 3/8" hydrostatic bailer assembly and 2 3/8" tubing. Bail sand to PBMD at +/- 7,872'. TOO H, SB tubing, LD bailer assembly.
26 PU & TIH with 2 3/8" NC, 2 3/8" XN nipple, and 2 3/8" tubing. Land tubing at +/- 7,735' (1 joint above top J Sand perf). Verify XN nipple size and enter in Open Wells.
27 RU rig lubricator. Broach tubing to XN nipple. RD rig lubricator.

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

<u>No</u>		<u>BMP/COA Type</u>	<u>Description</u>

Operator Comments:

28 ND BOP, install 7 1/16", 5,000 psi flanged tubing head adaptor w/ new 2 1/16", 5,000 psi flanged master valve.
29 MIRU hydrotester. Install 2 3/8" pup joint above master valve. Hydrotest wellhead to 5,000 psi from below tubing head through master valve for 15 minutes.
30 Secure wellhead, RDMO WO rig.

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: 3/16/2015

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: 3/16/2015

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

Note change in procedure:
1) No CBL on file. Verify existing cement with a cement bond log.
2) If Niobrara coverage not present, provide remedial cement 200' above Niobrara.
3) Operator approved to switch from perf and squeeze to annular fill if desired.
4) Deepen cemented interval from 1300' to 1400'. Adjust cement volumes accordingly.
5) 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.
6) 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**

400809333	FORM 4 SUBMITTED
400809346	OTHER

Total Attach: 2 Files