

State of Colorado
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

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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	23845	00	OGCC Facility ID Number:	284636
Well/Facility Name:	LUDWIG			Well/Facility Number:	22-1	
Location QtrQtr:	SENW	Section:	1	Township:	3N	Range: 66W 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:Change of **Surface** Footage **To** Exterior Section Lines:Current **Surface** Location **From** QtrQtr **SENW** Sec **1**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 **1**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 **1** Twp **3N**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	
2121	FNL	2125	FWL
Twp 3N	Range 66W	Meridian 6	
Twp	Range	Meridian	
2552	FNL	1361	FWL
Twp 3N	Range 66W		
Twp	Range		
2552	FNL	1361	FWL
Twp 3N	Range 66W		
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 LUDWIG Number 22-1 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 12/26/2014

☐ 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:

1 Bleed down bradenhead pressure as needed. Use a tank to control bleed down if necessary.
2 ND BOP. Unland production casing (4-1/2", 11.6#, I-80), ND surface casing head and NU double entry flange. 2006 vintage casing, don't pull with more than 178,000lbs (80% of virgin joint/thread strength). NU BOP on 1-1/4" TBG.
3 Pick up concentrated mud flush (Alcomer 74L – liquid mud thinner in 5 gallon bucket) from Imperial.
4 PU 52 of jnts of TBG (1-1/4", 2.33#, J-55, IJ). Run in annulus with pup jnt with CutRight, burn shoe or mule shoe on 1-1/4" tbg to 1550' depth while circulating. Circulate mud flush sweeps intermittently (about 3 or 4 while TIH). If TBG hits tight spots work it for a bit while circulating to break the bridge as best possible. Call engineering if there is difficulty making depth or if a power swivel is necessary to break bridging.
5 Once EOT of 1-1/4" is at 1550' run at least 1 mud flush sweep. Circulate for 4 hours minimum with 10# mud – order fresh mud from Imperial as needed.
6 Order and pump 15 bbls of 10# mud from Imperial. Displace with fresh water to prevent unbalanced flow back and place the mud at 1620' depth. Note: Don't put mud in tanks contaminated with mud flush.
7 Pull out of annulus with 1-1/4" TBG so EOT at 1350' depth.
8 Directly before cement, pump as follows: 5 bbls of fresh water, 20 bbl SMS, 5 bbl fresh water spacer
9 Mix & pump as follows: 240 sks type III cement & 1/4#/sk Cello Flake, mixed at 14.8 ppg and yield of 1.33 cuft/sk (retardant as determined by cementing service company for a 4 hour pumping time at 80°F) for a total of 56.9 bbl of cement. Design is for coverage from 1350' to 530' with 20% excess (719' in 9" Borehole (has caliper log) and 101' in 8.1" ID surface casing). See Calculation if necessary.
10 POOA with 1-1/4" tbg to 300' depth and circulate until clean.
11 POOA and SB tbg. ND BOP and double entry flange. Re-Land the 4-1/2" production casing immediately. NU wellhead.
12 Shut in and WOC for 12 hrs minimum before CBL.
13 MIRU Wireline Services. PU and RIH w/ CCL-CBL-VDL tools and log from 200' below cement interval to surface. NOTE: IF CEMENT COVERAGE IS NOT SUFFICIENT OR HAS POOR BOND, CONTACT EVANS ENGINEERING. Clear with Evans engineering and email logs to Jacob.Barker@Anadarko.com before proceeding. Email copies of logs, summaries and invoices to rscDJVendors@Anadarko.com within 48 hrs.
14 POOH, RDMO wireline service company.

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:

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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.):

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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:

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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: _____

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>
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Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
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400751511	OTHER
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Total Attach: 1 Files