

State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
Document Number: 400675764			
Date Received: 08/28/2014			

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 21403 00	OGCC Facility ID Number: 266882
Well/Facility Name: SHUTT	Well/Facility Number: 9-18
Location QtrQtr: NESE Section: 18 Township: 3N 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:

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

Current **Surface** Location **From** QtrQtr **NESE** Sec **18**

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	
2060	FSL	510	FEL
Twp 3N	Range 66W	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 SHUTT Number 9-18 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 09/15/2014

☐ 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:

BRADENHEAD

Shut 9-18 Bradenhead Procedure

1 GYRO ran on 11/14/11. Sand cleanout needed prior to cement job.

2 Call Foreman or Lead Operator at least 24 hr prior to rig move. If not already completed, request that they isolate production equipment and remove any automation equipment prior to the rig showing up.

Install perimeter fence as needed.

3 Slickline tagged and tested on 8/7/14 (after HZ fracs) and didn't find any fish. Plunger and bumper spring assembly may be stuck in sand.

4 Prepare location for base beam rig.

5 Spot a minimum of 25 jts of 2-3/8", 4.7#, J-55, EUE tbg for replacement and 190 jts 1-1/4", 2-33#/ft, J-55, 10rd IJ for sand cleanout and annular cement placement.

6 MIRU WO rig and auxiliary equipment. Check pressures. Rig up 2" line from the casing head annulus to work tank. Kill well with fresh water. ND tree and adapter flange, NU BOP's.

7 PU 8-10' landing joint. TIW valve on top and screw into the tbg hanger. Back out the lock down pins and pull up on tbg string to break any possible sand bridges, unseat landing joint and lay down. Do not exceed 80% of tubing tensile strength, or 57,380-lb. If tbg does not come free, notify engineer to discuss plan for moving forward.

8 Sand was last tagged at 6800' (642' above XN) on 8/13/2014. In order to avoid a wet trip, MIRU E-line, RIH with perf gun and shoot holes in 2-3/8" tbg at ~6800'. POOH with perf gun, RDMO E-line.

9 MIRU EMI equipment. TOO H with 2-3/8" tbg. EMI tbg while TOO H. Lay down joints with wall loss or penetrations >35%. Replace joints as necessary. Note joint number and depth of tubing leak(s) on production equipment failure report in Open Wells. Clearly mark all junk (red band) tubing sent to yard.

10 PU and TIH with 15 jts 1-1/4" tbg, crossover, and ~236 jts 2-3/8" tbg (to ensure reaching PBMD). Tag fill and cleanout to PBMD at 7909'. Use bailer when needed. Make sure to circulate tbg clean at 7746' (1 jt above top J Sand perf) prior to cleaning past J Sand perms. If circulation is lost near J Sand, contact engineer to discuss leaving J Sand under sand plug. POOH.

11 TIH with 2-3/8" tbg and 4.5" RBP. Set RBP @ +/-7040', (collars are at 7020' and 7062'). Pressure test RBP to 5000 psi. Spot 2sx of sand on top of RBP and TOO H.

12 Bleed off pressure. ND BOP's, ND wellhead, Un-land 4-1/2" casing, NU dual entry flange, NU BOP.

13 PU 1-1/4" 2.3#/ft J-55 10rd IJ tubing, and TIH outside 4-1/2" casing in open hole to ~5400'. Circulate with the rig pump while TIH to clean up the annulus. Use sweeps as necessary until clean returns are seen.

Make sure no pressure is present on the braden head before moving on to the next step. If gas is detected, contact engineering to discuss a plan for moving forward.

14 Contact Imperial mud (min of 24hrs. in advance) to bring out 60bbls of 10.0ppg mud. Pump 60bbls of mud at 5400'. Leave 1-1/4" tbg full of mud to avoid a wet trip and PUH to 4944' to displace cement.

15 MIRU cement services (Sanjel). Circulate 10bbls water, 20bbls mud flush, 10bbls water, 20bbls SMS, and 5 bbls of water.

16 Mix and pump 300sx (-59.8bbls) of 14.6 ppg (1.12 cuft/sk) neat Class G cement and 1/4 lb/sk Cello Flake. The cement is to be retarded for 120 degrees F and 6 hour pump time.

17 TOO H 40 joints to ~3700' and circulate 2 times the tubing volume of water or until clean returns are seen.

18 PUH to 1500'. Mix and pump 260sx (-61.6bbls) of 14.8 ppg (1.33 cuft/sk) Type III and 1/4lb/sk Cello Flake. The cement is to be retarded for 80 degrees F and 3 hour pump time.

19 TOO H 32 joints to ~400' and circulate 2 times the tubing volume of water or until clean returns are seen. TOO H with 1-1/4" tubing.

20 RDMO cementing company.

21 ND BOP. ND dual entry flange and crossover. Pick up and land 4-1/2" casing in slips. NU 4-1/2" 5000 psi tubing head with 2-5000 psi valves (use new style flanged well head equipment if available). NU BOP's to tubing head. Make sure all valves and nipples are rated to 5000 psi.

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:

22 Leave well shut in for ~36hrs .
23 MIRU wireline and run CCL-GR-CBL-VDL from 6600' to surface. Verify new cement coverage with Evans Engineering. Design is for coverage from ~4944' to 4103' and ~1500' to 601'. 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.
24 RDMO wireline.
25 PU and TIH with 2-3/8" tbg and retrieving head. Circulate sand off RBP at @ +/-7040'. TOOH with RBP and SB tbg.
26 TIH with 1-1/4" NC, 9 jts 1-1/4" tbg, crossover, XN at ~7441', and 2-3/8" 4.7# J55 EUE tbg to surface (~236 jts).
27 Broach tubing to seating nipple. NO BOP's, NU master valve and tubing head adaptor. Hydrotest tubing head to 5000 psi for 15 minutes.
28 RDMO WO rig.
29 Clean location and swab well back to production. Notify Field Foreman/Field Coordinator of finished work and turn well back over 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: 8/28/2014

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: 9/2/2014

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

1) 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.
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**

400675764	FORM 4 SUBMITTED
400675766	OTHER

Total Attach: 2 Files