

State of Colorado
Oil and Gas Conservation Commission

1120 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 19769 00 OGCC Facility ID Number: 89464
 Well/Facility Name: CARLSON V Well/Facility Number: 11-7 Ji
 Location QtrQtr: SWNE Section: 11 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:

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

Current **Surface Location From** QtrQtr SWNE Sec 11

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 _____ Range _____

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 _____

FNL/FSL		FEL/FWL	
<u>2115</u>	<u>FNL</u>	<u>2140</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>2N</u>	Range <u>67W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____ **
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____ **

** attach deviated drilling plan

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 02/25/2015

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:

Call automation removal group at least 24 hr prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.
2 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services. (PBSD 7957')
3 Prepare location for base beam equipped rig. Install perimeter fence as needed.
4 Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Function test and document. TOO H tubing string, SB. (Tubing String 250 jts 2-3/8" 4.7 #/ft J55, SN)
6 PU and TIH with casing scraper for 4-1/2" 11.6#/ft casing to 7900'+/-.
7 PU and TIH CIBP for 4-1/2" 11.6#/ft casing, set at 7050'+/- (casing collars 7021' and 7065'). PUH 1 jt. Roll hole using water containing biocide.
8 PT to 1000psi for 15 min. If fail discuss with Evans Engineering. TOO H, SB.
9 MIRU WL. PU and RIH CCL and 2 1' 3-1/8" perforating guns with 3 spf, 0.5" EHD 120* phasing. Shoot 1' of squeeze holes at 6900' (collars 6890', 6932') and at 6500' (collar picks need to come from CCL, not on log) . RDMO WL.
10 MIRU hydrotester. PU and TIH CICR on tubing, hydrotesting string in to 3000 psi. Set CICR at 6550'+/-. Initiate circulation using water containing biocide. Note rate and pressure.
11 MIRU cementers. Pump 160 SX 50/50 Poz "G" w/20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 Mixed at 13.5 ppg and 1.71 cuft/sk yield, underdisplace by 3 BBLs, unsting from retainer and dump on CICR. Coverage design 6900' to 6500' using 8.5" hole size +20%.
12 PUH 2 stands from 6500'. Circulate using water with biocide using 1.5x's hole volume or until clean returns. RD cementers.
13 TOO H, SB tubing.
14 PU and TIH RBP for 4-1/2" 11.6#/ft casing on tubing. Set at 4570'+/- (collars 4559' and 4604'). PUH 1 jt. Roll hole using water containing biocide.
15 PT to 1000 psi for 15 min. If fail, discuss with Evans Engineering. TOO H, SB.
16 ND BOP, ND TH.
17 ND casing head enough to NU QDF (Quick drill flange).
18 NU QDF on casing head, unland 4-1/2" casing making sure not to exceed 129M lbf, unset slips.
19 NU dual entry flange on QDF, also making up flange to production casing.
20 NU BOP onto annular side of dual entry flange making sure to use 1-1/4" rams. Function test and document.
21 PU and TIH 1-1/4" 2.33 #/ft J55 Integral Jt tubing to 1,500'+/-. Ensure hoses are routed to allow returns from bradenhead.
22 Initiate circulation with 2 sweeps of Alcomer 74L while TIH. Continue to circulate annulus until clean returns and dead annular.
23 Spot 40 BBL 10 ppg mud at 1500'
24 PUH to 1300'.
25. MIRU cementers. Spot 5bbl biocide water, 20 bbl SMS, 5 bbls biocide water, 240 SX Control Set C with 0.25 PPS cello flake, mixed at 13.5 PPG, 1.74 CF/sk yield. Cement coverage designed for 1300' to 512'. Excess of 20% on 10" hole.

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:

- 26. TOO, LD tubing. RDMO cements.
- 27 ND BOP, Dual entry flange and QDF, reland casing in slips, NU starting head/top nut.
- 28 NU 5,000 psi tubing head on 4-1/2" casing.
- 29 NU BOP on tubing head, function test and document. Ensure rams are 2-3/8" rams for production tubing.
- 30 WOC minimum of 12 hrs.
- 31 Circulate any gas from hole using water containing biocide.
- 32 MIRU WL. PU and RIH CBL/CCL/VDL to RBP (4,570', log to surface (INCLUDE TRANSIT TIME ON LOG). Before proceeding, send log and discuss (Tyler.Hindman@anadarko.com). Also send logs and invoices to rscDJVendors@anadarko.com within 24hrs of completion. RDMO WL.
- 33 PU and TIH retrieving head on 2-3/8" tubing. TIH to RBP (4,570'+/-). Latch onto and release
- 34 TOO with RBP, SB tubing, LD RBP.
- 35 TIH 3-7/8" bit, tag up on cement (~6350')
- 36 Initiate circulation using water containing biocide.
- 37 Drill out cement to 6,700'+/-. PUH 1 jt, roll hole using water containing biocide.
- 38 PT squeeze holes to 1000 psi. If fail, discuss with Evans Engineering.
- 39 Continue drilling out cement to CIBP (6,960'). PUH 1 jt, roll hole.
- 40 PT squeeze holes to 1000 psi. If fail, discuss with Evans Engineering.
- 41 Drill out CIBP (6,960'), push remnants to bottom. (7957')
- 42 TOO workstring, SB. LD bit
- 43 TIH production assembly as follows: NC, XN, 40 jts 2-3/8" J55 4.7#/ft tubing, Arrowset AS-1X packer rated to 10K psi from above and below (WITH SEALING ELEMENTS), tubing to surface (~210 jts).
- 44 Land tubing such that packer is at 6,600'+/-. Load and test backside to 1000 psi using water containing biocide.
- 45 ND BOP, NU top flange, ensuring to use 5,000 psi flanged master valve, XXH nipples and 5,000 psi rated casing valves. Ensure all components are rated to 5,000 psi.
- 46 RU hydrotester. Test from below tubing head, through master valve to 5,000 psi. RDMO hydrotester.
- 47 Broach tubing to XN (if packer is full pass through ID, or to top of packer), notify foreman of completion. 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: 2/11/2015

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: 3/1/2015

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
	1) 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. Ensure CBL shows cement from both the Nio squeeze (TOC approx. 6500') and the annular fill from approx. 1300'. 2) Please submit gyro survey data with Form 5 Drilling Completion Report.

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

Attachment Check List

Att Doc Num	Name
400790094	FORM 4 SUBMITTED
400790099	OTHER

Total Attach: 2 Files