

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 07748 00 OGCC Facility ID Number: 239960
 Well/Facility Name: VANTAGE ACRES Well/Facility Number: 2
 Location QtrQtr: NENE Section: 17 Township: 1N Range: 65W 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 NENE Sec 17

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	
990	FNL	870	FEL
Twp 1N	Range 65W	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 VANTAGE ACRES Number 2 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 09/18/2015

☐ 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 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:

1 Call foreman and/or field coordinator 24 hours before rig up to isolate any production equipment (remove plunger, wellhead automation, etc.). Prepare to move base beam rig onto location. Install fence if needed. Operations need to bleed off the bradenhead pressure before the rig gets on location.

2 Check and report surface casing pressure. If valve is not accessible at ground level, re-plumb so valve is at ground level.

3 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.

4 Note: RBP with sand already set at 7665'. Do not attempt to pressure test due to csg leak between 4362'– 4393'.

5 Unland 2-3/8" tbg and lay down landing joint.

6 TOOH and tally while standing back.

7 PU 5" CICR for 5" 18# casing on 2-3/8" tbg. RIH and Set CICR at 4350'. Establish rate into leak.

8 MIRU cementers for squeeze.

9 Establish injection or circulate cement to end of tubing with water and pump 35 sks (40cu-ft) of 14.6 ppg 1:1 'Poz:G' + 0.6% CFL-2 + 0.5% CFR + 0.6% SMS + 0.2% SPC-2 + 0.1% LTR with a yield of 1.12 cuft/sk. Pump 25 sks below the CICR if possible, then sting out and place the remaining 10 sks on top. RDMO cementing services.

10 PU to 4000', circulate clean and POOH standing back and allow cement to set per vendor recommendation.

11 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to cement top estimated at +/- 4100'. Drill out cement, CICR and cement below. Pressure test casing leak (at 4362'– 4393') to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.

12 TIH to 7130' to circulate hole clean for wireline activity. POOH standing back.

13 MIRU wireline.

14 PU and RIH with 3-1/8" guns and shoot squeeze holes at +/- 7,125' and 6500' using 2 SPF, 0.38" EHD, 33.65" penetration, 1' net, 2 total shots. POOH with wireline. RDMO wireline services.

15 PU 5" CICR for 5" 18# casing on 2-3/8" tbg. RIH and Set CICR at 6535'. Establish circulation into squeeze holes.

16 Establish injection or circulate cement to end of tubing with water and pump 210 sks (280 cu-ft) of 13.5 ppg 1:1:3 'Poz:G:Gel' + 20% silica + 0.4% CFL-3 + 0.4% CFR-2 + 0.1% SMS with a yield of 1.66 cuft/sk. Designed for coverage from 7125' to 6500' with a 8.5" OH. Pump 200 sks below the CICR, then sting out and place the remaining 10 sks on top. RDMO cementing services.

17 PU to 6000', circulate clean and POOH standing back and allow cement to set per vendor recommendation.

18 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to cement top estimated at +/- 6400'. Drill out cement to CICR and pressure test top squeeze holes at 6500' to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.

19 Continue to drill out CICR and cement down to 7125'. Pressure test lower squeeze holes at 7125' to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.

20 TIH to 7665' to clean hole. POOH standing back.

21 MIRU wireline. Run CBL from 7000' to 6000' to confirm placement of new cement. Send log to engineering. If positive results are seen continue to next step. RDMO wireline.

22 RIH on 2-3/8" tubing with retrieving head to RBP set at 7665', circulate sand off, latch on and release, allow elements to relax and POOH.

23 PU 10,000 psi rated from above and below RBP for 5", 18# casing. RIH on 2-3/8" tubing and set RBP at +/- 2010' (collars at 1994' & 2020'). Test RBP and casing to 1,000 psi for 15 min.

24 POOH

25 Place 2 sks of sand on top of RBP.

26 MIRU wireline.

27 PU and RIH with 3-1/8" guns and shoot squeeze holes at +/- 1200' and 955' using 2 SPF, 0.38" EHD, 33.65" penetration, 1' net, 2 total shots. POOH with wireline. RDMO wireline services.

28 PU 5" CICR for 5" 18# casing on 2-3/8" tbg. RIH and Set CICR at 985'. Establish circulation into squeeze holes.

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:

29 Establish injection and pump 130 sks (173 cu-ft) of 14.8 ppg Type III + 0.3% CFL-3 + 0.3% CFR-2 with a yield of 1.33 cuft/sk. Designed for coverage from 1200' to 955' with a 10" OH. Pump 120 sks below the CICR, then sting out and place the remaining 10 sks on top. RDMO cementing services.

30 PU to 600', circulate clean and POOH standing back and allow cement to set per vendor recommendation.

31 PU and TIH with 3-7/8" blade bit and 2-3/8" tbg to cement top estimated at +/- 850'. Drill out cement to CICR and pressure test top squeeze holes at 955' to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.

32 Continue to drill out CICR and cement down to 1200'. Pressure test lower squeeze holes at 1200' to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.

33 TIH to 2010' circulating hole clean.

34 POOH.

35 MIRU wireline. Run CBL from 1500' to surface to confirm placement of new cement. Send log to engineering. If positive results are seen continue to next step. RDMO wireline.

36 RIH on 2-3/8" tubing with retrieving head to RBP set at 2010', circulate sand off, latch on and release, allow elements to relax and POOH.

37 PU and RIH with production packer, two joints of 2-3/8" tail pipe, 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), and 2-3/8" 6.4# J-55 back to surface. Land packer at +/- 6620'.

38 RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP. NU WH.

39 Install 5,000 psi tubing head adaptor and 5,000 psi master valve. Make sure all wellhead valves are rated to 5,000 psi.

40 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. If wellhead does not pressure test, replace wellhead/ wellhead valves as necessary with 5,000 psi rated equipment.

41 NU WH. RDMO WO rig. Return well 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: 9/8/2015

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: 9/15/2015

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. 2) Please submit gyro survey data with Form 5 Drilling Completion Report. 3) Submit all CBLs run with Form 5 Drilling Completion Report.
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General Comments**User Group****Comment****Comment Date**

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Total: 0 comment(s)

Attachment Check List**Att Doc Num****Name**

400896766	FORM 4 SUBMITTED
400896769	OTHER
400896770	WELLBORE DIAGRAM

Total Attach: 3 Files