FORM 4 Rev 04/13

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 07902 00 OGCC Facility ID Number: 240114

Well/Facility Name: ALBERT SACK UNIT Well/Facility Number: 1

Location QtrQtr: SWNE Section: 22 Township: 1N Range: 67W 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)

		FNL/FSL		FEL/FWL		
Change of **Surface** Footage **From** Exterior Section Lines:		1455	FNL	1425	FEL	
Change of **Surface** Footage **To** Exterior Section Lines:						
Current **Surface** Location **From**	QtrQtr SWNE Sec 22 Twp 1N Range 67W Meridian 6					
New **Surface** Location **To**	QtrQtr Sec Twp Range Meridian					
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 Twp Range					
New **Top of Productive Zone** Location **To**	Sec Twp Range					
Change of **Bottomhole** Footage **From** Exterior Section Lines:						
Change of **Bottomhole** Footage **To** Exterior Section Lines:						**
Current **Bottomhole** Location	Sec Twp Range					** attach deviated drilling plan
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

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

Objective Formation	Formation Code	Spacing Order Number	Unit Acreage	Unit Configuration

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 ALBERT SACK UNIT 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 10/13/2016

☐ REPORT OF WORK DONE Date Work Completed _____

☐ Intent to Recomplete (Form 2 also required)	☐ Request to Vent or Flare	☐ E&P Waste Mangement Plan
☐ Change Drilling Plan	☒ Repair Well	☐ Beneficial Reuse of E&P Waste
☐ Gross Interval Change	☐ Rule 502 variance requested. Must provide detailed info regarding request.	
☐ Other _____	☐ Status Update/Change of Remediation Plans for Spills and Releases	

COMMENTS:

REMEDIAL CEMENT PROCEDURE
1 Gyro run 3/13/2014 to 8070'. GL and KB unavailable. Possible adjustments may be necessary. Please call on-call engineer if any issues arise.
2 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 perimeter fence if needed. If surface csg is not accessible at ground level, re-pipe so valve is at ground level. Plug all disconnected valves around wellhead.
3 MIRU SL. Fish bumper spring and tag PBMD (should be 8136'). Inform engineer of tag depth.
4 Level location for base beam rig.
5 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbg.
6 MIRU WO rig. Kill well with fresh water and biocide. ND WH, NU BOP.
7 PU tbg. Unset packer. LD landing jt.
8 MIRU EMI equipment. TOOH with 2-3/8" tbg. EMI tbg while TOOH. Lay down jts with wall loss or penetrations >35%. Replace jts as necessary. Keep yellow and blue band tbg. Note jt number and depth of tubing leak(s) on production equipment failure report in OpenWells. Clearly mark all junk (red band) tbg sent to yard. SB all 2-3/8" tubing and LD packer.
9 RU hydrotesters. PU bit and scraper for 4-1/2", 10.5 lb/ft casing and RIH with 2-3/8" tubing to 6795' while hydrotesting tubing to 3000 psi. TOOH. SB all 2-3/8" and LD bit and scraper. RDMO hydrotesters.
10 RU WL. PU 4-1/2", 10.5 lb/ft CIBP. RIH and set CIBP at +/- 6790' (collars at 6778' and 6811'). POOH. RDWL.
11 TIH with 2-3/8" tubing to 2500'. Circulate to remove gas.
12 Pressure test CIBP to 1000 psi for 15 minutes. If pressure test passes, TOOH. SB tbg.
13 RU WL. Spot 2 sx of cement on top of CIBP at 6790'. POOH.
14 PU and RIH with two 3-1/8" perf guns with 3 spf, 0.50" EHD, 120° phasing. Shoot 1' of squeeze holes at 4900' and 1' at 4385'. POOH. RD WL.
15 PU 4-1/2", 10.5 lb/ft CICR and RIH with 2-3/8" tubing. Set CICR at 4415' (collars located at 4394' and 4427').
14. RU Cementers. Establish circulation through squeeze holes. Pump 100 bbls of water with biocide, 10 bbls sodium silicate, and another 5 bbls spacer immediately preceding cement. Pump Sussex Suicide Squeeze: 325 sx (382.5 cu.ft.) with Polyflake assumed at 15.8 ppg & 1.18 ft3/sk. Follow with 5 bbls of clean fresh biocide treated water and again followed by 5 sx of cement. Under-displace by 2 bbls and un-sting from CICR spotting a minimum 100' of cement covering the squeeze holes. Goal is to create 200' plug over bottom squeeze hole, about 300' of water, and 60' of cement below the retainer and 100' of cement above the retainer. The annular cement will cover 4900' – 4385'. Volume based on 515' in 11" OH w/ 20% excess (from caliper log) and 360' in 4-1/2" production casing with no excess. RD cementers.
15. Slowly pull out of the cement and PUH to 4315'. Reverse circulate tubing clean with fresh water to ensure no cement is left in the tubing.
16. TOOH, SB all 2-3/8" tubing; LD stinger.
17. RU WL. PU and RIH with two 3-1/8" perf guns with 3 spf, 0.50" EHD, 120° phasing. Shoot 1' of squeeze holes at 1545' and 1' at 1000'. RD WL.
18. PU 4-1/2", 10.5 lb/ft CICR and RIH with 2-3/8" tubing. Set CICR at 1035' (collars located at 1025' and 1058').

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

Operator Comments:

19. RU Cementers. Establish circulation through squeeze holes. Pump 100 bbls of water with biocide immediately preceding cement. Pump FHM Suicide Squeeze: 235 sx (266.7 cu.ft.) with Polyflake assumed at 15.8 ppg & 1.16 ft3/sk. Follow with 5 bbls of clean fresh water and again followed by 5 sx of cement. Under-displace by 2 bbls and un-sting from CICR spotting a minimum 100' of cement covering the squeeze holes. Goal is to create 200' plug over bottom squeeze hole, about 300' of water, and 60' of cement below the retainer and 100' of cement above the retainer. The annular cement will cover 1545' – 1000'. Volume based on 545' in 7.88" OH w/ 60% excess (from caliper log) and 360' in 4-1/2" production casing with no excess. RD cementers.
20. Slowly pull out of the cement and PUH to 930'. Reverse circulate tubing clean with fresh water to ensure no cement is left in the tubing.
21. TOOH, SB all 2-3/8" tubing; LD stinger.
22. WOC per cement company recommendation. PU and TIH with tubing string consisting of a 3-7/8" rock bit, 8-10 drill collars (as needed), and 2-3/8" tubing to surface.
23. TIH to tag top of cement @930'.
24. RU power swivel, establish circulation with fresh biocide treated water. Drill out cement to 1035'. RD power swivel.
25. PT squeeze holes to 500 psi. If holes do not hold pressure, contact on-call engineer for additional remediation.
26. RU power swivel, establish circulation with fresh biocide treated water. Drill out cement to 1645'. RD power swivel.
27. PT squeeze holes to 500 psi. If holes do not hold pressure, contact on-call engineer for additional remediation.
28. TIH to tag top of cement @ 4315'.
29. RU power swivel, establish h circulation with fresh biocide treated water. Drill out cement to 4415'. RD power swivel.
30. PT sqz holes to 500 psi. If holes do not hold pressure, contact on-call engineer for additional remediation.
31. RU power swivel, establish circulation with fresh biocide treated water. Drill out cement to 5000'. RD power swivel.
32. PT sqz holes to 500 psi. If holes do not hold pressure, contact on-call engineer for additional remediation.
33. TOOH and SB all 2-3/8" tubing and LD drill collars and rock bit (if worn).
34. MIRU WL and run CCL-GR-CBL-VDL from 6790' to surface (cement should be from +/- 4900' to 4385' and 1545' – 1000'). If Sussex plug is not above 4487', contact engineering for further instructions. Email logs to engineering and DJVendors@anadarko.com. RDMO WL.
35. PU and TIH with tubing string consisting of a 3-7/8" rock bit and 2-3/8" tubing to surface.
36. TIH to tag top of cement on CIBP @6790'.
37. RU power swivel, establish circulation with fresh biocide treated water. Drill out CIBP @ 6790' KB. Chase the remains of the CIBP to below 8120'. RD power swivel.
38. TOOH and SB all 2-3/8" tbg. LD rock bit.
39. RU Hydrotester. Hydrotest tubing to 6,000 psi while TIH. TIH with 2-3/8" NC, 2-3/8" XN nipple, 38 jt of 2-3/8" tbg (~1170'), 4-1/2"Arrowset AS-1X packer rated to 10,000 psi (4-1/2", 10.5#) set at +/- 6835' (collar located at 6811' and 6842'), 2-3/8" tbg to surface. Verify XN nipple sizes and enter in Open Wells. Land EOT at 8005'.
40. Fill hole with packer fluid. (Julio Ramirez 970-518-2166 or Cesar Rodriguez 970-590-2682 with Reliable Services). Do not load hole with water out of the work tank. Pressure test to 500 psi for 15 minutes.
41. ND BOP. Make sure the wellhead is a WHI 5,000 psi flanged tubing head complete w/ 5,000 psi rated casing valves. Thread tubing mandrel onto tubing and land in tubing head bowl.
42. Install 7 1/16", 5,000 psi flanged tubing head adaptor w/ new 2 1/16", 5,000 psi flanged master valve (reports indicate that the wellhead is already upgraded).
43. 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.
44. Secure WH, RMDO 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: 10/5/2016

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: McCoy, Diane Date: 10/11/2016

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
	The additional cement referenced shall be placed as indicated. The placed cement shall be verified with a CBL and documented with a Form 5. Please submit gyro survey data.

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

Attachment Check List

Att Doc Num	Name
401124510	FORM 4 SUBMITTED
401124516	OTHER
401124517	WELLBORE DIAGRAM

Total Attach: 3 Files