

State of Colorado Oil and Gas Conservation Commission

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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: <u>47120</u>	Contact Name <u>CHERYL LIGHT</u>
Name of Operator: <u>KERR MCGEE OIL & GAS ONSHORE LP</u>	Phone: <u>(720) 929-6461</u>
Address: <u>P O BOX 173779</u>	Fax: <u>(720) 929-7461</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u>	Email: <u>CHERYL.LIGHT@ANADARKO.COM</u>

Complete the Attachment
Checklist

OP OGCC

API Number : 05- <u>123 07902 00</u>	OGCC Facility ID Number: <u>240114</u>
Well/Facility Name: <u>ALBERT SACK UNIT</u>	Well/Facility Number: <u>1</u>
Location QtrQtr: <u>SWNE</u> Section: <u>22</u> Township: <u>1N</u> Range: <u>67W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Field Name: <u>WATTENBERG</u>	
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 SWNE Sec 22

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	
<u>1455</u>	<u>FNL</u>	<u>1425</u>	<u>FEL</u>
_____	_____	_____	_____
Twp <u>1N</u>	Range <u>67W</u>	Meridian <u>6</u>	
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 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 _____

- | | | |
|--|---|--|
| <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:

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. TOO H with 2-3/8" tbg. EMI tbg while TOO H. 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. TOO H. 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, TOO H. 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 CIBP and RIH with 2-3/8" tubing. Set CIBP 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 CIBP 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. TOO H, 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 CIBP and RIH with 2-3/8" tubing. Set CIBP 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

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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, 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: _____

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:**COA Type****Description**

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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

401124516

OTHER

401124517

WELLBORE DIAGRAM

Total Attach: 2 Files