

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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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 29594 00 OGCC Facility ID Number: 300022
 Well/Facility Name: GRAZNAK Well/Facility Number: 35-11
 Location QtrQtr: NWSW Section: 11 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:

FNL/FSL		FEL/FWL	
1841	FSL	741	FWL

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

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

Twp 3N Range 66W Meridian 6

New **Surface** Location **To** QtrQtr _____ Sec _____

Twp _____ Range _____ Meridian _____

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

36	FSL	1295	FWL
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Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

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Current **Top of Productive Zone** Location **From** Sec 11

Twp 3N Range 66W

New **Top of Productive Zone** Location **To** Sec _____

Twp _____ Range _____

Change of **Bottomhole** Footage **From** Exterior Section Lines:

36	FSL	1295	FWL
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Change of **Bottomhole** Footage **To** Exterior Section Lines:

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Current **Bottomhole** Location Sec 11 Twp 3N Range 66W

** 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 _____

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 07/25/2014

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

Graznak 35-11- Bradenhead Procedure

1 No GYRO needed.

2 Call IOC (970-506-5980) at least 24 hr prior to rig move. If not already completed, request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.

3 MIRU Slick line. Fish plunger if necessary and tag for PBSD (should be at 8215')

4 Prepare location for base beam rig.

5 Notify Sater Tool Services (STS) we will need 4.5" 11.6# I-80 stage collar.

6 Spot mud tank for 10.0 ppg drilling mud.

7 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbg.

8 Spot 5 jts of 4 1/2" 11.6# 1-80 csg.

9 Spot 4 2-7/8" 16# drill collars

10 MIRU WO rig. Kill well with fresh water with biocide. ND wellhead, NU BOPs.

11 Run two 2" lines from starting head to return tanks. (Need to be able to circulate at high rate).

12 PU 8-10' landing joint. TIV valve on top and screw into the tbg hanger. Back out the lock down pins and pull up on the tbg string to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,384-lb.

13 Unseat tbg hanger and ID tbg hanger and landing joint. Install rubber wiper in stripping head.

14 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. Keep yellow and blue band tubing. Note joint number and depth of tubing leak(s) on production equipment failure report in OpenWelis.

Clearly mark all junk (red band) tubing sent to yard.

15 Cleanout if sand was tagged higher than 8215' in step 3.

16 TIH with 4.5" CIBP (4.5" 11.6# I-80). Set CIBP at +/- 7300' (collars at 7284' and 7327'). Pressure test CIBP to 2500 psi for 15 minutes. Spot 2 sx of sand on top of CIBP.

17 TOO H and SB tbg.

18 ND BOP. PU 4-1/2" landing joint. Unland 4.5" production csg and NU BOP to 8-5/8" surface casing and install 4-1/2" pipe rams.

19 MIRU wireline. RU lubricator and run CCL to find collar at or slightly below 1400'. POOH with CCL. Collar to be backed off of must be at or below 1400'. Adjust all volume calculations based on actual collar depth.

20 PU 4.5" csg with 17,500 lb. Torque csg in preparation for back off. Put marks on csg and work torque down slowly. Maximum torque is 2900 lb-ft, optimal is 2300 lb-ft.

21 RIH with stringshot. Apply left-hand torque to casing string and back csg off at collar located in step 19. If collar cannot be backed off, call engineering for further instructions.

22 MIRU laydown trailer and casing tongs. TOO H with 4-1/2" csg and LD csg. Replace bad joints as necessary.

23 PU and TIH with the following: Skirted screw-in sub, cement DV tool (stage cement collar) in closed position, and remaining 4 1/2" csg. Place bow spring centralizer around every connection from 3 jts above DV tool to 723'. Install a total of 13 centralizers.

24 Tie back onto 4-1/2" casing stub. Work torque down to collar at ~1400' as close to 2300 lb-ft as possible.

25 Land 4.5" csg in 8-5/8" starting head in tension.

26 Cut 4-1/2" csg per operator recommendations. ND BOP. Install bell nipple if necessary.

27 Pack off 4 1/2" csg and install compression nut.

28 MIRU cementing equipment. Drop shifting dart and RU cementing head to 4 1/2" csg. Wait 5 minutes for dart to fall and pressure up to 1500 psi to shift DV tool.

29 Circulate 65 bbl of 10.0 ppg drilling mud at maximum rate achievable and then mix cement.

30 Commence pumping cement job consisting of 30 bbl fresh water flush; 40.3 bbl (170 sx) of Type III and 1/4 lb/sk Cello Flake mixed at 14.8 ppg and 1.33 cuft/sk blended for a 2 hr pump time at 80 degrees F (Cement from 1400' to 723'). Note: Check volumes based on actual DV Tool placement.

31 Drop wiper plug and spot 1 bbl cement on top of plug. Displace with 21 bbl fresh water. Note: Check displacement volumes based on actual DV Tool placement.

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</u>	<u>BMP/COA Type</u>	<u>Description</u>

Operator Comments:

32 Break lines and clean up with fresh water. Reconnect lines to cementing head.
 33 Bump plug and pressure up to 1500 psig to close DV tool.
 34 Check for flow back to make sure stage collar is holding. ND cementing head.
 35 RMDO cement company.
 36 NU tbg head and BOP.
 37 Leave well shut in overnight.
 38 PU 4 2-7/8" 16# drill collars with 3-7/8" bit/mill and TIH with 2-3/8" tbg and crossover. Rig up power swivel and mill DV cementing tool @ +/- 1400'. Should encounter ~64 feet of cement. TOOH with 2-3/8" tbg and 3-7/8" bit/mill and SB tbg and LD collars.
 39 MIRU wire line and run CCL-GR-CBL-VDL-Sector Map from 2700' to surface. If cement is not above 723', contact engineering for further instructions. 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. RDMO wire line.
 40 Pressure test stage collar to 2,500 psi for 15 minutes.
 41 PU 3-7/8" bit/mill and TIH with 2-3/8" tbg and crossover. Rig up power swivel and mill out CIBP @ +/- 7300'.
 42 TOOH with bit and SB tbg.
 43 Cleanout if sand was tagged higher than 8215' in step 3.
 44 TIH with 2-3/8" XN SN and 2-3/8" 4.7# J55 EUE tbg. Land tbg @ +/- 7604' (1 jt above top Codell perf).
 45 ND BOP and NU master valve and tubing head adaptor. Broach tbg to XN nipple. Hydrotest tubing head to 5000 psi for 15 minutes.
 46 RMDO WO rig.
 47 Clean location and swab well back to production. Notify IOC 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: 7/11/2014

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: 7/14/2014

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	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.
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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

400643460	FORM 4 SUBMITTED
400643461	OTHER

Total Attach: 2 Files