

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
Document Number: 400939725			
Date Received:			

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 07810 00 OGCC Facility ID Number: 240022
 Well/Facility Name: PK FARMS Well/Facility Number: 1
 Location QtrQtr: SESW Section: 9 Township: 1N Range: 65W 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)

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

FNL/FSL		FEL/FWL	
990	FSL	2058	FWL

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

Current Surface Location From	QtrQtr	<u>SESW</u>	Sec	<u>9</u>	Twp	<u>1N</u>	Range	<u>65W</u>	Meridian	<u>6</u>
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 _____

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 11/20/2015

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:

Run CBL Prep Procedure (most likely needs squeezes performed)

1. Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call the 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. Prepare location for base beam equipped rig. Install perimeter fence as needed.
3. Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
4. MIRU WO rig. Kill well as necessary w/ water containing biocide. ND WH, NU BOP.
5. Unseat and LD landing joint. PU w/ 2-7/8" tbg (6.5#, J-55) to break any sand bridges. Do not exceed the safety tensile load of 65,000 lbs (65% of upset yield strength). **Unable to PU w/ tbg, RIH w/ freepoint tool and find 2-7/8" tbg 100% free @ 5000**
6. **Reports show that 2-7/8" tbg was cemented into 5" csg w/ 100 sx to isolate csg leak @ ~7376'. CBL run inside 2-7/8" tbg on 11/17/15 confirmed cement from EOT @ 7730' to ~5575'. Following steps are the updated plans.**
7. Spot 6000' of 2-3/8" tbg for workover and production.
8. RIH w/ chemical cutter inside 2-7/8" tbg to 100% free pipe @ 5000' and cut tbg. POOH w/ WL and circulate to remove any gas.
9. TOOH and LD 2-7/8" tbg.
10. PU bit and scraper for 5", 18#, P-110 csg on 2-3/8" tbg. TIH to +/- 5000' (+/- 158 jts) ensuring to work tight spot @ 3940'. TOOH, SB 2-3/8" tbg and LD bit and scraper.
11. RIH w/ 10000 psi rated from above and below RBP (5" 18# csg) on 2-3/8" tbg to ~5000' above 2-7/8" tbg stub. Set RBP and circulate to load hole and remove gas for CBL. Dump 2 sx sand on RBP.
12. Test RBP and csg to 1000 psi for 15 min. If test passes, proceed.
13. TOOH, SB 2-3/8" tbg.
14. MIRU WL. RIH w/ CBL, CCL to 5000', log well to surface. Send CBL to engineering before proceeding to further steps.
15. **Assuming SX and Fox Hills cement squeezes are required. CBL will determine if changes need to be made to following steps.**
16. PU and RIH with two perf guns and CCL inside 5" csg (3-3/8", 2 spf, 0.59" EHD, 4.725" penetration, 2' net, 4 total holes). Shoot 1' of bottom squeeze holes at 4540'. PUH to 4340' and shoot 1' of top squeeze holes. POOH, RDMO WL.
17. RIH with 5" CICR (5" 18#) on 2-3/8" tbg and set at +/- 4370'. Establish circulation with fresh water and biocide. If unable to circulate, contact Evans Engineering.
18. MIRU cement company. Pump 5 bbls fresh water, 20 bbls sodium metasilicate, and 5 bbls fresh water followed by 165 sx of 0:1:0 G w/ 0.5% CFR-2, 0.2% FMC, 0.5% LWA, and 0.25 pps polyflake mixed at 15.8 ppg and 1.15 cf/sk into squeeze holes (cement from 100' below top of Sussex to 100' above top of Sussex, 13" avg open hole from caliper, 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.
19. PUH to 4000' and circulate fresh water with biocide to clear tbg.
20. TOOH, SB 2-3/8" tbg.
21. MIRU WL. PU and RIH with two perf guns and CCL inside 5" csg (3-3/8", 2 spf, 0.59" EHD, 4.725" penetration, 2' net, 4 total holes). Shoot 1' of bottom squeeze holes at 1450'. PUH to 1050' and shoot 1' of top squeeze holes. POOH, RDMO WL.
22. RIH with 5" CICR (5" 18#) on 2-3/8" tbg and set at +/- 1080'. Establish circulation with fresh water and biocide. If unable to circulate, contact Evans Engineering.
23. MIRU cement company. Pump 285 sx of Type III w/ 0.3% CFL-3, 0.3% CFR-2, and 0.25 pps polyflake mixed at 14.8 ppg and 1.33 cf/sk into squeeze holes (cement from 50' below Fox Hills marker base to 50' below DV tool cement, assume 13" avg open hole from SX caliper, 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.
24. PUH to 500' and circulate fresh water with biocide to clear tbg.
25. TOOH, SB 2-3/8" tbg. WOC per vendor recommendation.

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:

- 26. PU and TIH w/ 3-7/8" blade bit and 2-3/8" tbg to cement top @ +/- 910'. Drill out cement and CICR and pressure test top sqz holes @ 1050' to 500 psi. If pressure test fails, contact Engineering, otherwise proceed.
- 27. Continue to drill out CICR and cement down to 1450'. Pressure test lower squeeze holes at 1450' to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.
- 28. If bit still has life, continue down to SX cement top @ +/- 4200'. Drill out cement and CICR and pressure test top sqz holes @ 4340' to 500 psi. If pressure test fails, contact Engineering, otherwise proceed.
- 29. Continue to drill out CICR and cement down to 4540'. Pressure test lower squeeze holes at 4540' to 500 psi. If pressure test fails contact engineering, otherwise proceed to next step.
- 30. MIRU wireline. Run CBL from 5000' to surface to confirm placement of new cement. Send log to engineering. If positive results are seen continue to next step. RDMO wireline.
- 31. RIH w/ 2-3/8" tubing with retrieving head to RBP set at 5000', circulate sand off, latch on and release, allow elements to relax and POOH.
- 32. PU and RIH w/ 1.66" NC, 2750' (+/- 87 jts) of 1.66" tail pipe, crossover, 650' (+/- 20 jts) of 2-3/8" tbg, Arrowset production packer, and +/- 4300' of 2-3/8" 6.4# J-55 back to surface. Land packer at +/- 4300' and EOT @ +/- 7700' (1 jt above top JS perf).
- 33. ND BOP. NU WH.
- 34. Install 5,000 psi tubing head adaptor and 5,000 psi master valve. Make sure all wellhead valves are rated to 5,000 psi.
- 35. 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.
- 36. 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: _____

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:

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

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400939728	OTHER
400939729	WELLBORE DIAGRAM

Total Attach: 2 Files