

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
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DE	ET	OE	ES
Document Number: 400788570			
Date Received: 02/09/2015			

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 26783 00 OGCC Facility ID Number: 296391
 Well/Facility Name: MEGAN H Well/Facility Number: 16-33
 Location QtrQtr: SWSW Section: 16 Township: 3N Range: 65W Meridian: 6
 County: WELD Field Name: WATTENBERG
 Federal, Indian or State Lease Number: 70/7899-S

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 SWSW Sec 16

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>1280</u>	<u>FSL</u>	<u>155</u>	<u>FWL</u>
_____	_____	_____	_____
Twp <u>3N</u>	Range <u>65W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
_____	_____	_____	_____
_____	_____	_____	_____
Twp _____	Range _____		
Twp _____	Range _____		
_____	_____	_____	_____
_____	_____	_____	_____

** attach deviated drilling plan

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 02/23/2015

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:

- 1 Well needs single stage annular fill from 1300' to 530' due to Bradenhead pressure and the wellhead replaced.
- 2 Well has directional survey - 12/8/10.
- 3 Call Automation Removal Group 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.
- 4 Check and report surface casing pressure. If valve is not accessible at ground level, re-plumb so valve is at ground level.
- 5 MIRU slickline. RIH to retrieve production equipment and tag for fill (Slickline tagged unknown object at 7642 - possibly drill bit on tubing). Note tagged depth in OpenWells. RDMO slickline.
- 6 MIRU WO rig. Spot 1500' of 1.66" 2.33 J-55 10RD IJ tbg. Kill well as necessary with water and biocide. Attach a hardline from the bradenhead/surface casing valve to a flowback tank and blow down any Bradenhead pressure. (Form 17 was performed 12/1/14. Bradenhead instantaneous pressure was 10 psi and surfacing casing produced 10 gallons of water during test. Pressure built back up to 63 psi in 15 min). If pressure does not blow down within 1 hour contact engineer, otherwise proceed.
- 7 ND wellhead. NU BOP.
- 8 PU 8-10' pup joint with TIW valve on top and screw into the tbg hanger. Back out the lock down pins and pull up on the tubing string to break any possible sand bridges. (Do not exceed 80% of tubing tensile strength, or 57,384 lbs.) Unseat and LD the landing joint.
- 9 MIRU EMI services. EMI 2-3/8" tbg (250 joints landed at 7639') while TOO H and tally while standing back. Lay down joints that have greater than 35% penetration or wall loss. Replace all joints that fail EMI testing. Document joint numbers and depth of bad tubing and create a Production Equipment Failure report in OpenWells. RDMO EMI services.
- 10 PU 10,000 psi rated from above and below RBP (4.5", 11.6#), retrieving head, and 2-3/8" tubing. Set RBP at +/- 6870' (collars located at 6849' and 6889').
- 11 Release tbg from RBP and circulate all gas out of the hole. Pumping water with biocide, pressure test RBP and production casing to 1000 psi for 15 minutes. If pressure test passes, proceed; otherwise contact engineering.
- 12 Circulate 2 sx of sand on top of RBP and TOO H with 2-3/8" tubing.
- 13 ND BOP. ND wellhead. Screw 4-1/2" pup joint into production casing and un-land 4-1/2" production casing. NU double entry flange and BOP. Install 1.66" pipe rams.
- 14 PU 1500' of 1.66" 2.33# J-55 10RD IJ tubing and TIH between the 4-1/2" production casing and 8-5/8" surface casing/open hole to +/- 1500'. Circulate with the rig pump while TIH to clean up the annulus. Use two sweeps of Alcomer 74L while TIH and a final sweep at 1500', and circulate until well is dead. Make sure no pressure is present on bradenhead. If gas is detected contact engineering.
- 15 Contact Ed Asuchak at 970-515-1170 for mud (min of 24hrs in advance). Pump 40 bbl of 10.0 ppg mud at 1500'. Leave 1.66" tbg full of mud to avoid wet trip and PUH to 1300' to place cement in annulus and LD extra tbg.
- 16 MIRU cementing services. Establish circulation and pump 30 bbl (5 bbls of water, 20 bbls of sodium metasilicate, and 5 bbls water) spacer, 202 sx Type III cement with 0.25pps cello flake and CaCL₂, mixed at 14.8 ppg and 1.33 cuft/sx (based on 8-1/4" hole size + 40% excess from 1300'-635' and 105' between 8-5/8" 24# surface casing and 4-1/2" 11.6# production casing). Attempt to cement from 1300' to 635'.
- 17 TOO H with 1.66" 2.3# J-55 10RD IJ tubing until EOT is at 430' and LD extra tbg. Circulate with freshwater 1.5 times the hole volume or until returns are clean. RDMO cementing services.
- 18 TOO H and LD all 1.66" 2.3# J-55 10RD IJ tubing. ND BOP and double entry flange. Use 4-1/2" pup joint to re-land 4-1/2" casing.

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

Operator Comments:

19 Install new GE 5000 psi 4-1/2" bottom threaded tubing head with 7-1/16" flanged top, 5000 psi wellhead valves and XXH nipples. NU BOP. Install 2-3/8" pipe rams. Shut well in and WOC for at least 24 hrs.

20 MIRU wireline and run CCL-GR-CBL-VDL from +/- 2000' to surface. If the cement is not at or above 530' contact engineer. RDMO wireline services. 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 hrs of the completion of the job.

21 PU and TIH with retrieving head and 2-3/8" tubing. Circulate sand off of RBP. Latch onto and release RBP at +/- 6870'. TOOH standing back all 2-3/8" tubing and LD RBP.

22 PU 2-3/8" NC, 2-3/8" XN nipple (be sure nipple is correctly input into OpenWells), and 2-3/8" 4.7# J-55 tbg to surface. Circulate out fill if necessary and land EOT at +/- 7,635' (1 joint above top JSand perfs).

23 RU rig lubricator. Broach tubing to XN seating nipple. RD rig lubricator. ND BOP.

24 Install 7-1/16" flanged 5000 psi tubing head adaptor with 2-1/16" studded top, 2-1/16" flanged 5000 psi master valve, flanged 5000 psi 2-3/8" plunger lubricator (side outlets threaded). Make sure all wellhead valves are rated to 5,000 psi and all nipples are XXH. Document wellhead components in an OpenWells wellhead report.

25 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.

26 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: 2/9/2015 _____

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: 2/18/2015 _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	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.
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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

400788570	FORM 4 SUBMITTED
400788577	OTHER

Total Attach: 2 Files