

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: 400985825			
Date Received: 03/31/2016			

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 Mike Dinkel
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6368
 Address: P O BOX 173779 Fax: (720) 929-7368
 City: DENVER State: CO Zip: 80217-3779 Email: mike.dinkel@Anadarko.com

Complete the Attachment
Checklist

OP OGCC

API Number : 05- 123 00 OGCC Facility ID Number: 437342
 Well/Facility Name: GUARDAR Well/Facility Number: 1N-22HZ
 Location QtrQtr: SESE Section: 22 Township: 2N Range: 67W Meridian: 6
 County: WELD Field Name: SPINDLE
 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:

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

Current **Surface** Location **From** QtrQtr SESE 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 _____ Range _____

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 _____

FNL/FSL		FEL/FWL	
<input type="text" value="300"/>	<input type="text" value="FSL"/>	<input type="text" value="280"/>	<input type="text" value="FEL"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Twp <input type="text" value="2N"/>	Range <input type="text" value="67W"/>	Meridian <input type="text" value="6"/>	
Twp <input type="text"/>	Range <input type="text"/>	Meridian <input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="**"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="**"/>

** attach deviated drilling plan

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 _____

REPORT OF WORK DONE Date Work Completed 12/08/2015

- | | | |
|--|---|---|
| <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 type="checkbox"/> Repair Well | <input checked="" 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:

As per Kerr McGee Oil & Gas Onshore LP's (Kerr-McGee) approved Waste Management Plan for Land Application of Water-Based Bentonitic Drilling Fluids & Associated Drill Cuttings, the drill cuttings from the Gwardar 1N-22HZ, Gwardar 26C-22HZ, and Gwardar 27C-22HZ wells were land applied to the surface of the Gwardar 1N-22HZ well pad. The drill cuttings from the wells were mixed with EcoSponge bioremediation product and incorporated into the native soil during well pad reclamation activities. After final incorporation, a four-point composite soil sample (Pad Comp) was collected from 0-8 inches below ground surface from the reclaimed well pad and submitted for laboratory analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and total xylenes (BTEX), pH, electrical conductivity (EC), sodium adsorption ratio (SAR), total arsenic, and total barium. Four discrete background soil samples (Off N, Off E, Off S, and Off W) were collected from the undisturbed native surface soil surrounding the well pad and submitted for laboratory analysis of total arsenic. The four background soil samples were also composited into one additional soil sample (Off Comp) and submitted for the analysis of pH, EC, SAR, total arsenic, and total barium. Laboratory analytical results for the soil samples collected on March 31, 2015, confirmed that all concentrations and levels in the Pad Comp confirmation soil sample were compliant with the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 allowable levels with the exceptions of total arsenic and TPH. The total arsenic concentration of 1.89 milligrams per kilogram (mg/kg) detected in the Pad Comp soil sample exceeded the COGCC allowable level of 0.39 mg/kg. However, the On Pad total arsenic concentration is below the United States Geological Survey (USGS) total arsenic background concentration of 6.03 mg/kg for the Thedalund-Terry-Otero-Oleny-Kim-Haverson soil association presented to the COGCC in Kerr-McGee's "Request for Arsenic Sampling Determination Pursuant to Table 910-1, Footnote 1". The TPH concentration of 660 mg/kg recorded for the Pad Comp soil sample exceeded the COGCC allowable level of 500 mg/kg. On December 8, 2015, an additional four-point composite confirmation soil sample (Pad Comp (2)) was collected from the reclaimed well pad, and submitted for laboratory analysis of TPH. Laboratory analytical results indicated that the TPH concentration and was less than the COGCC Table 910-1 allowable level, and was less than the laboratory reporting limit. Based on the laboratory results, Kerr-McGee is requesting a no further action (NFA) status for the well pad. The laboratory reports are included as an attachment to this Form 4.

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:

API of wells on Gwardar 1N-22HZ well pad:
05-123-39494
05-123-39495
05-123-39497

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Mike Dinkel
Title: Senior HSE Representative Email: mike.dinkel@Anadarko.com Date: 3/31/2016

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

COGCC Approved: GINTAUTAS, PETER Date: 4/29/2016

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	Based on review of the information submitted it appears that no further action is necessary at this time. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.
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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>
400985825	SUNDRY NOTICE APPROVED-REUSE
400985828	OTHER
400985830	OTHER
401038986	FORM 4 SUBMITTED

Total Attach: 4 Files