

# State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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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: 57667 Contact Name Nick Curran  
 Name of Operator: MINERAL RESOURCES INC Phone: (720) 420-5745  
 Address: PO BOX 328 Fax: (720) 420-5800  
 City: GREELEY State: CO Zip: 80632 Email: nick.curran@iptenergyservices.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 123 38296 00 OGCC Facility ID Number: 434718  
 Well/Facility Name: DT-Forbes Well/Facility Number: 2-5-6  
 Location QtrQtr: NWNE Section: 5 Township: 5N Range: 65W 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 40.435090 PDOP Reading 1.8 Date of Measurement 10/13/2014  
 Longitude -104.683730 GPS Instrument Operator's Name C. Holmes

## LOCATION CHANGE (all measurements in Feet)

Well will be: HORIZONTAL (Vertical, Directional, Horizontal)

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

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

Current **Surface** Location **From** QtrQtr NWNE Sec 5

New **Surface** Location **To** QtrQtr NWNE Sec 5

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 5

New **Top of Productive Zone** Location **To** Sec 5

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

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

Current **Bottomhole** Location Sec 6 Twp 5N

New **Bottomhole** Location Sec 6 Twp 5N

Is location in High Density Area? No

Distance, in feet, to nearest building 595, public road: 917, above ground utility: 906, railroad: 1520,

property line: 317, lease line: 0, well in same formation: 330

Ground Elevation 4642 feet Surface owner consultation date \_\_\_\_\_

FNL/FSL		FEL/FWL	
<u>554</u>	<u>FNL</u>	<u>1834</u>	<u>FEL</u>
<u>510</u>	<u>FNL</u>	<u>1684</u>	<u>FEL</u>
Twp <u>5N</u>	Range <u>65W</u>	Meridian <u>6</u>	
Twp <u>5N</u>	Range <u>65W</u>	Meridian <u>6</u>	
<u>1750</u>	<u>FSL</u>	<u>2176</u>	<u>FWL</u>
<u>1750</u>	<u>FSL</u>	<u>2176</u>	<u>FWL</u> **
Twp <u>5N</u>	Range <u>65W</u>		
Twp <u>5N</u>	Range <u>65W</u>		
<u>1658</u>	<u>FSL</u>	<u>460</u>	<u>FWL</u>
<u>1658</u>	<u>FSL</u>	<u>460</u>	<u>FWL</u> **

\*\* 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>
NIOBRARA	NBRR		480	GWA

**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 DT-FORBES Number 2-5-6 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 01/01/2015

☐ 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 checked="" type="checkbox"/> Change Drilling Plan             | <input 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:

Surface location changed, new plats and driectional plan attached.

#### 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
Surface String	13	1		2	9	5		8	36	0	1000	550	1000	0
First String	8	3		4	7				26	0	8325	834	8325	3000
1ST LINER	6	1		8	4	1		2	11.6	8125	15392			

#### 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**

<b><u>No</u></b>	<b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>
1	Planning	<ul style="list-style-type: none"> <li>• Light sources during all phases of operations will be directed downward and away from occupied structures where possible. Once the drilling and completion rigs leave the site, there will be no permanently installed lighting on site. Lighting shall be mounted at compressor statins on a pole or building and directed downward to illuminate key areas within the facility, while minimizing the amount of light projected outside the facility.</li> </ul>
2	Planning	<ul style="list-style-type: none"> <li>• Maintain appearance with garbage clean-up- a trash bin will be located on site to accumulate waste by the personnel drilling the wells. Site will have unused equipment, trash and junk removed immediately.</li> </ul>
3	Traffic control	<ul style="list-style-type: none"> <li>• Access Roads: The access road will be constructed to accommodate local emergency vehicles. The road will be maintained for access at all times. Traffic will be routed to minimize local interruption.</li> </ul>
4	General Housekeeping	<ul style="list-style-type: none"> <li>• Removal of trash: All trash, debris and materials not intrinsic to the operations of the oil and gas facility shall be removed and legally disposed of as applicable.</li> </ul>
5	General Housekeeping	<ul style="list-style-type: none"> <li>• Fencing: A meeting with the surface owner will determine a fencing plan.</li> </ul>
6	General Housekeeping	<ul style="list-style-type: none"> <li>• The site will be cleaned of all trash and waste as soon as practical.</li> <li>• All Waste will be stored in sealed containers until it can be disposed of appropriately.</li> <li>• Solid waste will be removed from the site and disposed of per state regulations for solid waste.</li> </ul>
7	Storm Water/Erosion Control	<ul style="list-style-type: none"> <li>• Fugitive Dust and Vehicle Tracking.</li> <li>• Tracking speeds will be limited to control fugitive dust.</li> <li>• Watering will be completed to control fugitive dust as needed.</li> <li>• Graveled entries will be provided for vehicle tracking control. Refer to the Storm water Management Plan for Location.</li> <li>• Furrowing of disturbed soil will be provided at right angles to prevailing winds as needed.</li> </ul>
8	Storm Water/Erosion Control	<ul style="list-style-type: none"> <li>• Stormwater best management practices will be completed per the site specific stormwater management plan.</li> </ul>
9	Construction	<ul style="list-style-type: none"> <li>• Berm Construction: Tank berms shall be constructed of steel rings with a synthetic or engineered liner and designed to contain 150% of the capacity of the largest tank. All berms will be visually checked periodically to ensure proper working condition.</li> </ul>
10	Noise mitigation	<ul style="list-style-type: none"> <li>• The drill site will be powered by electricity, mitigating the majority of noise from drilling operations. Sound walls and/ or hay bales will be used to surround the well site during drilling operations.</li> </ul>
11	Emissions mitigation	<ul style="list-style-type: none"> <li>• Green Completions - Emission Control System: Test separators and associated flow lines and sand traps shall be installed on-site to accommodate green completions techniques pursuant to COGCC Rules. In the anticipated absence of a viable gas sales line, the flowback gas shall be thermally oxidized in an emissions control device (ECD), which will be installed and kept in operable condition for least the first 90-days of production pursuant to CDPHE rules. This ECD shall have an adequate capacity for 1.5 times the largest flowback within a 10 mile radius, will be flanged to route gas to other or permanent oxidizing equipment and shall be provided with the equipment needed to maintain combustions where non-combustible gases are present.</li> </ul>
12	Odor mitigation	<ul style="list-style-type: none"> <li>• Per Rule 805: Oil &amp; gas facilities and equipment shall be operated in such a manner that odors and dust do not constitute a nuisance or hazard to public welfare.</li> </ul>
13	Final Reclamation	<ul style="list-style-type: none"> <li>• Within 90 day subsequent to the time of plugging and abandonment of the entire site, superfluous debris and equipment shall be removed from the site.</li> </ul>
14	Final Reclamation	<ul style="list-style-type: none"> <li>• Identification of plugged and abandoned wells will be identified pursuant to 319.a(5)</li> </ul>

Total: 14 comment(s)

**Operator Comments:**

This sundry is affiliated with the previously approved Downtown Directional #1 Form 2A  
(Doc #400329702/Location ID #432599)

Pre Application Notices went out on 10/08/2014.  
The 30 Day Mineral Owner notification expired date 09/15/2014.

Offset well evaluation is attached.  
Surface location changed, new plats, PSU packet and directional attached  
Casing/cement information is updated.

-SUA waives any provisions of COGCC Rule 318.A and has been attached for your review (paragraph 11)

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

Signed: \_\_\_\_\_ Print Name: Nick Curran

Title: Reg Tech Email: nick.curran@iptenergyservices.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:****General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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Total: 0 comment(s)

**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400739042	WELL LOCATION PLAT
400739043	DEVIATED DRILLING PLAN
400739215	PROPOSED SPACING UNIT
400740883	SURFACE AGRMT/SURETY
400740884	EXCEPTION LOC REQUEST
400740921	DIRECTIONAL DATA

Total Attach: 6 Files