

**FORM  
2A**Rev  
04/01

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400098646

**Oil and Gas Location Assessment**☐ New Location ☒ Amend Existing Location Location#: 398839

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

**398839**

Expiration Date:

☐ This location assessment is included as part of a permit application.**1. CONSULTATION**

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # \_\_\_\_\_
- ☐ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

**2. Operator**

Operator Number: 16700

Name: CHEVRON U S A INC

Address: 6001 BOLLINGER CANYON RD

City: SAN RAMON State: CA Zip: 94583

**3. Contact Information**

Name: Diane Peterson

Phone: (970) 675-3842

Fax: (675) 675-3800

email: dlpe@chevron.com

**4. Location  
Identification:**

Name: UNION PACIFIC Number: 150,151,152,153

County: RIO BLANCO

QuarterQuarter: NW SE Section: 16 Township: 2N Range: 102W Meridian: 6 Ground Elevation: 5563

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 2067 feet, from North or South section line: FSL and 132 feet, from East or West section line: FWL

Latitude: 40.141408 Longitude: -108.857053 PDOP Reading: 1.6 Date of Measurement: 10/14/2008

Instrument Operator's Name: J FLOYD

**5. Facilities (Indicate the number of each type of oil and gas facility planned on location):**

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/> <u>1</u>	Wells: <input type="checkbox"/> <u>4</u>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/> <u>1</u>	Oil Pipeline: <input type="checkbox"/> <u>1</u>	Water Pipeline: <input type="checkbox"/> <u>1</u>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: \_\_\_\_\_

## 6. Construction:

Date planned to commence construction: 03/01/2011 Size of disturbed area during construction in acres: 4.25  
Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 3.50  
Estimated post-construction ground elevation: 5363 Will a closed loop system be used for drilling fluids: Yes ☒  
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☒ No ☐  
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒  
Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☒  
Other: \_\_\_\_\_

## 7. Surface Owner:

Name: MERIT PARTNERS LP Phone: 972-701-8377  
Address: 13727 NOEL ROAD Fax: 972-960-1252  
Address: STE 500 Email: IRIS.BRADLEY@MERITENERGY.COM  
City: DALLAS State: TX Zip: 75240 Date of Rule 306 surface owner consultation: 11/17/2008  
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
The surface owner is: ☒ the mineral owner ☐ committed to an oil and gas lease  
☐ is the executer of the oil and gas lease ☐ the applicant  
The right to construct the location is granted by: ☐ oil and gas lease ☒ Surface Use Agreement ☐ Right of Way  
☐ applicant is owner  
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID \_\_\_\_\_

## 8. Reclamation Financial Assurance:

☒ Well Surety ID: 19810003 ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 2707, public road: 3697, above ground utilit: 965  
, railroad: 48695, property line: 500

## 10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): \_\_\_\_\_  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

## 11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): \_\_\_\_\_  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

## 12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 16 - CHIPETA SILTY CLAY LOAM 3 TO 25 PERCENT SLOPE

NRCS Map Unit Name: SOUTH OF LOCATION 17- CHIPETA SILTY CLAY LOAM 3 TO 25 PERCENT SLOPE  
ERODED

NRCS Map Unit Name: \_\_\_\_\_

### 13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☒ NRCS or, ☐ field observation Date of observation: \_\_\_\_\_

List individual species: \_\_\_\_\_

Check all plant communities that exist in the disturbed area.

☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)

☐ Native Grassland (Bluestern, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)

☐ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)

☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)

☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)

☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)

☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)

☐ Alpine (above timberline)

☐ Other (describe): \_\_\_\_\_

### 14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 887, water well: 4464, depth to ground water: 5500

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☐ No ☒ Yes

### 15. Comments:

887' to dry wash. 4887' to stream buffer zone. This location was previously submitted and approved in Feb 2009 with APD's 05-103-11502, 05-103-11501, 05-103-11464. Chevron will re-file those wells when we receive Form 2a approval.

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

Signed: \_\_\_\_\_ Date: 10/11/2010 Email: dlpe@chevron.com

Print Name: Diane L Peterson Title: Regulatory Specialist

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:**

**All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.**

**Attachment Check List**

Att Doc Num	Name	Doc Description
400098646	FORM 2A SUBMITTED	400098646.pdf
400098694	NRCS MAP UNIT DESC	NRCS rpt.pdf
400098697	HYDROLOGY MAP	Hydrology map.pdf
400098698	LOCATION PICTURES	Location pictures.pdf
400098715	LOCATION DRAWING	Location drawing.pdf
400098716	ACCESS ROAD MAP	Access road.pdf
400098718	REFERENCE AREA MAP	Referance map.pdf
400098720	REFERENCE AREA PICTURES	Referance pictures.pdf
400098723	CONST. LAYOUT DRAWINGS	Construction drawings.pdf
400098725	MULTI-WELL PLAN	Spider diagram.pdf
400099315	317B NOTIFICATION	Surface Owner notification.pdf
400099832	WELL LOCATION PLAT	UP 400 foot plat.pdf
400099834	HYDROLOGY MAP B, AERIAL	Aerial Hydrology map.pdf

Total Attach: 13 Files

**BMP**

<u>Type</u>	<u>Comment</u>
Planning	Chevron trains all employees in safe work prcatives, environmental health and ensure that proper personal protective equipment is available and being used. Chevron has a up to date Spill Protection Control and Countermeasure Plan for the Rangely field. Chevron has a zero tolerance policy regarding drug usage, with a education and compliance program to help reinforce this policy
Site Specific	Site was selected to utilize one location for 4 directionally drilled wells, this location is located along an existing lease road. These three (3) producing wells will have flowlines to a existing centralized production facility offsite, no large haul trucks will be need to collect produced fluids. The fourth well on this site will be an injection well to reinject produced water and CO2 for enhanced recovery.
Storm Water/Erosion Control	Top soil salvage and storge. Top soil will be stockpiled where no vehicle traffic will corss mounds. The stock piles will be protected form the wind and water erosion though the use of suitabel weed free mulch and seeding. Erosion will be controlled with the use of berms, and drainage control measures.
Wildlife	Design powerlines to minimize raptor electrocution risk by incorporating powerline designs to minimize the risk.

Total: 4 comment(s)