

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



Document Number:

400230045

Date Received:

12/13/2011

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: _____

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 standalone 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:

428387

Expiration Date:

03/29/2015

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 USA INC
 Address: 6001 BOLLINGER CANYON RD
 City: SAN RAMON State: CA Zip: 94583

3. Contact Information

Name: DIANE PETERSON
 Phone: (970) 675-3842
 Fax: (970) 675-3800
 email: DLPE@CHEVRON.COM

4. Location Identification:

Name: EMERALD Number: 95X AND 96X
 County: RIO BLANCO
 QuarterQuarter: SW NW Section: 36 Township: 2N Range: 103W Meridian: 6 Ground Elevation: 5452

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: 1524 feet FNL, from North or South section line, and 776 feet FWL, from East or West section line.
 Latitude: 40.102608 Longitude: -108.911439 PDOP Reading: 0.9 Date of Measurement: 09/30/2011
 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>2</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"/>	Oil Pipeline: <input type="checkbox"/> <u>1</u>	Water Pipeline: <input type="checkbox"/>	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: 03/01/2012 Size of disturbed area during construction in acres: 5.25
Estimated date that interim reclamation will begin: 09/01/2012 Size of location after interim reclamation in acres: 1.05
Estimated post-construction ground elevation: 5452 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: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
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: 5808, public road: 6336, above ground utilit: 483
, railroad: 33264, property line: 1105

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: 18 CHIPETA-KILLPACK SILTY CLAY LOAMS, 3 TO 15 PERCENT SLOPES

NRCS Map Unit Name: _____
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 (Bluestem, 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: 11868, water well: 3820, depth to ground water: 5200
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 Suppl 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:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
Signed: _____ Date: 12/13/2011 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: 3/30/2012

**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.

SITE SPECIFIC COAs:

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.

Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.

All personnel must be H2S trained and proper air monitoring for H2S must be implemented during drilling, completion, and production operations. Emergency response plan for H2S must be onsite at all times.

Attachment Check List

Att Doc Num	Name
2034113	CORRESPONDENCE
400230045	FORM 2A SUBMITTED
400230063	LOCATION DRAWING
400230065	ACCESS ROAD MAP
400230071	MULTI-WELL PLAN
400230072	LOCATION PICTURES
400230074	REFERENCE AREA MAP
400230075	REFERENCE AREA PICTURES
400230080	NRCS MAP UNIT DESC
400232060	WAIVERS
400232942	HYDROLOGY MAP B, AERIAL
400232943	HYDROLOGY MAP A, TOPO

Total Attach: 12 Files

General Comments

User Group	Comment	Comment Date
Permit	CPW passed; LGD/pub. comments waived. Final Comprehensive Review Status--passed	3/27/2012 2:17:19 PM
Permit	APD's for this pad still on hold waiting on offset min. interest owners' waivers	2/8/2012 7:44:11 AM
Permit	APD's for pad submitted 1/6/2012. public comments expire 1/26.	1/9/2012 7:32:58 AM
Permit	question on distance to nearest property line (776' to BLM to west?). APD's for two pad wells not yet submitted.	12/30/2011 7:44:33 AM
OGLA	Initiated/Completed OGLA Form 2A review on 12-21-11 by Dave Kubeczko; requested acknowledgement of spill/release BMPs, H2S training, and flowback to tanks COAs from operator on 12-21-11; received acknowledgement of COAs from operator on 12-27-11; no CDPW; passed OGLA Form 2A review on 01-05-12 by Dave Kubeczko; spill/release BMPs, H2S training, and flowback to tanks COAs.	12/21/2011 3:57:36 PM
Permit	Operator input right to construct information and added hydrology attachments. This form has passed completeness.	12/15/2011 11:16:48 AM
Permit	Returned to draft. The right to construct cannot be N/A. Hydrology attachment missing location.	12/14/2011 6:57:52 AM

Total: 7 comment(s)

BMP

Type	Comment
Construction	CHEVRON WILL EMPLOY DUST SUPPRESSION TECHNIQUES OF FRESHWATER
Construction	ALL ROADS WILL BE CROWNED AND DITCHED ACCORDING TO BLM MANUAL SECTION 9113.
Material Handling and Spill Prevention	ALL FLUIDS WILL BE STORED IN APPROPRIATE CONTAINERS AND IN SECONDARY CONTAINMENT SYSTEMS AT 110 PERCENT OF THE LARGEST VESSEL VOLUME
General Housekeeping	ALL SITES SHALL BE MAINTAINED IN A SANITARY CONDITION AT ALL TIMES AND ALL WASTE MATERIALS SHALL BE DISPOSED OF PROMPTLY AT APPROPRIATE WASTE DISPOSAL SITES.
Storm Water/Erosion Control	STORM WATER PLANS AND EROSION CONTROL METHODS WILL BE USED TO INSURE SITE STABILIZATION.

Total: 5 comment(s)