

FORM  
2A

Rev  
04/01

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400371641

Date Received:

01/23/2013

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:

**432377**

Expiration Date:

**04/02/2016**

☒ 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: 100178

Name: SIMMONS, INC.\* D. J.

Address: 1009 RIDGEWAY PL STE 200

City: FARMINGTON State: NM Zip: 87401

3. Contact Information

Name: Chris Lopez

Phone: (505) 326-3753

Fax: (505) 327-4659

email: clopez@djsimmons.com

4. Location Identification:

Name: Pinto Number: 1-7

County: DOLORES

QuarterQuarter: LOT 11 Section: 7 Township: 39N Range: 19W Meridian: N Ground Elevation: 6608

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: 2832 feet FSL, from North or South section line, and 2840 feet FEL, from East or West section line.

Latitude: 37.654210 Longitude: -108.986130 PDOP Reading: 1.8 Date of Measurement: 04/25/2012

Instrument Operator's Name: Basin Surveying - John D. Wayne

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

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

6. Construction:

Date planned to commence construction: 06/01/2013 Size of disturbed area during construction in acres: 1.55  
 Estimated date that interim reclamation will begin: 10/01/2013 Size of location after interim reclamation in acres: 1.15  
 Estimated post-construction ground elevation: 6608 Will a closed loop system be used for drilling fluids: Yes ☐ No ☒  
 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: Lined Earthen Pit

## 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 06/01/2012  
 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 20060104

## 8. Reclamation Financial Assurance:

☐ Well Surety ID: \_\_\_\_\_ ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgnt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
 Distance, in feet, to nearest building: 5280, public road: 1200, above ground utility: 5280,  
   railroad: 5280, property line: 180

## 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: 42.Gladel-Pulpit complex, 3 to 9 percent slopes

NRCS Map Unit Name: 144. Wetherill loam, 3 to 6 percent slopes

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: 04/25/2012

List individual species: Pinyon, Juniper, Sage, Gramma Grasses

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: 591, water well: 2000, depth to ground water: 165

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:

In reference to Cultural and Soil, distances to the nearest Building, Above Ground utility and Railroad are all greater than 1-mile (> 5,280 feet). There are no improvements or man-made structures within a 400-foot radius of the project as shown on the Location Drawing Area Map.

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

Signed: Date: 01/23/2013 Email: clopez@djsimmons.com

Print Name: Chris S. Lopez 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: 4/3/2013

**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:**

Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).

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

Operator must ensure 110 percent secondary containment for any volume of fluids (excluding freshwater) contained at well site during drilling and completion operations (as indicated on the BMP tab of the Form 2#400369343 and the Construction Layout Drawings attachment); including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

Either a lined drilling pit or closed loop system must be implemented.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if drill cuttings are to remain/disposed of onsite, they must also meet the applicable standards of table 910-1.

If the well is hydraulically stimulated, then flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) 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.

Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.

**Attachment Check List**

Att Doc Num	Name
2106551	CORRESPONDENCE
400371641	FORM 2A SUBMITTED
400371950	LOCATION PICTURES
400371953	LOCATION DRAWING
400371955	HYDROLOGY MAP
400371957	ACCESS ROAD MAP
400371960	NRCS MAP UNIT DESC
400371962	CONST. LAYOUT DRAWINGS
400371964	SURFACE PLAN
400376661	ACCESS ROAD MAP
400376704	LOCATION DRAWING

Total Attach: 11 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	4/3/2013 8:20:05 AM
OGLA	Initiated/Completed OGLA Form 2A review on 04-02-13 by Dave Kubeczko; placed fluid containment, spill/release BMPs, flowback to tanks only, tank berming, closed loop/lined pit, and cuttings low moisture content COAs; no CPW; passed OGLA Form 2A review on 04-02-13 by Dave Kubeczko; fluid containment, spill/release BMPs, flowback to tanks only, tank berming, closed loop/lined pit, and cuttings low moisture content COAs.	4/2/2013 11:42:57 AM
Permit	Line 3: Plugging bond # is incorrect.  Distance to railroad, above ground utility, building not filled in. Location drawing does not show man made improvements to 400 feet from pad.  Passed for completeness	1/24/2013 7:16:09 AM

Total: 3 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>
Construction	<p>The BMP's that will be used during construction activities are based on EPA Guidance Documents and training sessions, Colorado Discharge Permit System, Colorado Department of Transportation training sessions and publications, good engineering practices, International Erosion Control Association training sessions and publications, and Stormwater publications.</p> <p>The BMP's to be used on this project for pre/during construction will be 9-inch diameter fiber logs, hay bales and a sediment trap. The post construction BMP's will be 9-inch diameter fiber logs, hay bales, sediment trap and earth berms. The BMP's were designed specifically for this project to contain sediments on the project site with the intention of not allowing the sediments or any possible pollutants off-site and more specifically not to reach the drainage of Squaw Canyon.</p> <ul style="list-style-type: none"><li>- The fiber logs are designed to function for flows up to 4 cubic feet per second before failure generally occurs. One third the diameter (3-inches) of the fiber log will be placed in ground and staked down with 24-inch wooden stakes. The fiber logs will be placed a distance of three feet outside the toe of the well pad, the toe of the berms disturbance, and on the downhill side of the toe of the access road until restoration is achieved.</li><li>- The hay bales and sediment trap will be located at the lowest point of the project area, allowing for outfall of stormwater but at the same time trapping sediments before outfall occurs.</li><li>- Windrow berms shall be approximately 12-inches in height by 3-feet in width and shall be constructed on the uphill and downhill sides of the well pad to allow for an outfall for stormwater but at the same time trapping sediments before the outfall occurs.</li><li>- Should dust become a problem on the project site, then dust abatement technique of wetting the soil to keep airborne dust particles down may be applied to the site or any other dust abatement technique the contractor may select that is acceptable by Dolores County, Colorado.</li></ul> <p>The BMP's shall be installed on the access road and well pad location before surface disturbing activities begin. The BMP's will be checked before each sequence of construction for integrity and prior to drilling completion activities or pipeline activities begin. The BMP's will remain in working order until they are no longer necessary or restoration is completed.</p>

Planning	<p>The sequence of activities for the project is as follows:</p> <ol style="list-style-type: none"> <li>1) Construct well access road <ul style="list-style-type: none"> <li>- Install pre/during BMP's;</li> <li>- Blade, level, crown and construct drain ditch for access road to well pad.</li> </ul> </li> <li>2) Construct well pad <ul style="list-style-type: none"> <li>- Install pre/during BMP's at well pad;</li> <li>- Construct well pad by leveling (with cut and fill) including pits;</li> <li>- Set-up completion rig including light plant and mud pits;</li> <li>- Complete the well;</li> <li>- Set surface facilities such as meter run, separator, and storage tanks.</li> </ul> </li> <li>3) Construct well-tie pipeline right-of-way <ul style="list-style-type: none"> <li>- Install pre/during BMP's;</li> <li>- Level right-of-way;</li> <li>- Excavate ditch;</li> <li>- String pipe;</li> <li>- Bend pipe;</li> <li>- Weld pipe;</li> <li>- Lower-in pipe;</li> <li>- Shade-in pipe;</li> <li>- Hydrostat pipe test;</li> <li>- Backfill ditch;</li> <li>- Restore area for interim reclamation.</li> </ul> </li> </ol>
Material Handling and Spill Prevention	<p>The following are examples of measures that will be taken to minimize generation of dust, construction materials and waste handling and storage, spill prevention and response:</p> <ul style="list-style-type: none"> <li>- Up-to-date Material Safety Data Sheets for all chemicals used on-site are maintained. It is not anticipated that reportable quantities of acids, solvents, paints, chemicals or other liquids will be stored or used for construction purposes.</li> <li>- Drums and containers will be clearly labeled. Drums of hazardous waste are labeled and dated per regulatory requirements.</li> <li>- Accumulation of waste on-site is limited.</li> <li>- Best Management Practices are implemented.</li> <li>- Chemicals that are poured into smaller containers, the secondary containers will be clearly labeled and dedicated to one material. Funnels or other aids to reduce spills, drips, and splashes are used during pouring.</li> <li>- Secondary containment is covered to prevent the mixing of released materials with precipitation.</li> <li>- Proper pumps for fueling are provided to reduce leaks and spills. Drip pans are installed for fueling nozzles. Drip pans will be cleaned regularly and will not be allowed to accumulate water.</li> <li>- Storage areas, containment areas and spill response kits are inspected regularly.</li> <li>- Proper signage is installed for hazardous materials storage areas.</li> <li>- Leaks are repaired promptly and spilled material and contaminated media are cleaned up immediately.</li> <li>- Available equipment (spill pallets, mats, absorbants) is used to reduce spills, leaks and drips as well as their impacts.</li> <li>- Tailgate safety meetings are held with all personnel prior to each construction or drilling activity.</li> </ul> <p>The CDPHE will be notified of any upset or accidental spill (SWMP Administrator, (877) 518-5608) and the spill will be cleaned up immediately and the contaminated soils will be either land farmed or land filled in accordance with State, Federal or Dolores County requirements. Where a release of hazardous substance or oil exceeds the reportable quantity established under 40 CFR 110, 40 CFR 117, or 40 CFR 302 during a 24-hour period, the operator must:</p> <ol style="list-style-type: none"> <li>1) Contact SWMP Administrator (877) 518-5608</li> <li>2) Notify the National Response Center (800) 424-8802 or (202) 426-2675</li> <li>3) Update the Plan within 7 days to address reoccurrences of such releases.</li> </ol>
Interim Reclamation	<p>Interim site reclamation will be achieved in the following manner:</p> <ul style="list-style-type: none"> <li>- Grading and establishing original grade to contour</li> <li>- Restoring and replacing topsoil in non-working areas;</li> <li>- Constructing proper drainage;</li> <li>- Installing interim BMP's;</li> <li>- Maintaining interim BMP's and contouring.</li> </ul>

Storm Water/Erosion Control	Storm water erosion BMP's are designed to reduce, prevent or control pollution by entraining sediments in runoff during and after construction.
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Total: 5 comment(s)