

State of Colorado  
Oil and Gas Conservation Commission

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



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Document Number:

2583985

## Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 316793

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:

**316793**

Expiration Date:

**11/11/2013**☒ 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: 44350

Name: J-W OPERATING COMPANY

Address: 7074 S REVERE PKWY

City: CENTENNIAL State: CO Zip: 80112

## 3. Contact Information

Name: SHAUNA NOLTE

Phone: (303) 422-4990

Fax: (720) 407-0784

email: SNOLTE@JWOPERATING.COM

## 4. Location Identification:

Name: STATE Number: 11-1

County: ROUTT

Quarter: LOT 8 Section: 1 Township: 6N Range: 89W Meridian: 6 Ground Elevation: 6635

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: 596 feet, from North or South section line: FNL and 508 feet, from East or West section line: FWL

Latitude: 40.511958 Longitude: -107.332566 PDOP Reading: 1.6 Date of Measurement: 07/15/2008

Instrument Operator's Name: B. KUDAR

## 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" value="1"/>
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" value="1"/>	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" value="1"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="1"/>	Fuel Tanks: <input type="text"/>	

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

## 6. Construction:

Date planned to commence construction: 11/15/2010 Size of disturbed area during construction in acres: 5.00  
Estimated date that interim reclamation will begin: 11/15/2011 Size of location after interim reclamation in acres: 1.50  
Estimated post-construction ground elevation: 6637 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: CUTTINGS BURIED IN PLACE.

## 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: 20010154 ☐ 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: 8026, public road: 5966, above ground utilit: 7075  
, railroad: 7075, property line: 640

## 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 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: 19E. Evanot loam, 12 to 25 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: 08/20/2010

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: 1940, water well: 2390, depth to ground water: 85

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:

The reference area is located adjacent to the well pad to the north on undisturbed land, as shown in the location photos.

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

Signed: \_\_\_\_\_ Date: 08/26/2010 Email: SNOLTE@JWOPERATING.COM

Print Name: SHAUNA NOLTE Title: PRODUCTION TECH

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

*David S. Neslin*

COGCC Approved: \_\_\_\_\_

Director of COGCC

Date: 11/12/2010

**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.**

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

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, the drill cuttings must also meet the applicable standards of table 910-1.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; 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 sufficiently protective of nearby surface water.

If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1693675	LOCATION DRAWING	LF@2603141 1693675
2033499	CORRESPONDENCE	LF@2616849 2033499
2583985	FORM 2A	LF@2597296 2583985
2583986	LOCATION PICTURES	LF@2531775 2583986
2583987	HYDROLOGY MAP	LF@2531777 2583987
2583988	ACCESS ROAD MAP	LF@2531779 2583988
2583989	REFERENCE AREA MAP	LF@2531781 2583989
2583990	NRCS MAP UNIT DESC	LF@2531624 2583990
2583991	DRILLING PLAN	LF@2531625 2583991
2583992	CONST. LAYOUT DRAWINGS	LF@2531626 2583992
400097657	LOCATION PICTURES	LF@2603180 400097657

Total Attach: 11 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Surface Restoration Bond on file with SLB, per Tim Kelly.	11/3/2010 2:43:56 PM
Permit	Emailed Tim Kelly at SLB for verification of Surface Restoration Bond	11/3/2010 9:13:03 AM

LGD	JW has been through the public review process for a SUP. The SUP was approved with conditions, but the permit has not been finalized. During the review process, the adjacent property owners (Murphy) voiced concerns that oil/gas operations could impact their wells and springs. JW has committed to working with this property owner for baseline testing and continued testing during operations. JW must also get CDOT access permits and railroad crossing permits. They will also be working with property owner (Holderness) for road access across an irrigation ditch. Wildlife concerns were addressed by no drilling during the months of April, May and June. Routt County will be working with JW to finalize the permit, but will not issue until the COGCC has issued their permit.	10/28/2010 9:37:57 AM
DOW	CDOW has meet with the operator and landowner. CDOW affirms that the agreement and stipulations in place between the operator and the landowner to be conditions of approval for this location.  Submitted by: Ed Winters, Land Use Specialist  26 October 2010 @ 07:46	10/26/2010 7:47:44 AM
OGLA	Initiated/Completed OGLA Form 2A review on 10-21-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, no pit in fill, cuttings low moisture COAs from operator on 10-21-10; received clarifications and acknowledgement of COAs from operator on 11-10-10; passed by CDOW on 10-26-10, with operator submitted (with permit application) and agreement and stipulations in place between the operator and the landowner acceptable; passed OGLA Form 2A review on 11-11-10) by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, no pit in fill, cuttings low moisture COAs.	10/21/2010 3:00:56 PM
Permit	Received location drawing.	10/18/2010 9:45:23 AM
Permit	FOLLOWUP phone calls: The original APD and plat are the correct lat/longs and footages - Shauna submitted new form 2a to replace prior submitted form - proofed form and all changes reflect this new form 2A; currently waiting on loc drawing attachments and location pictures - ready to pass completeness ck otherwise. Location pictures attachment says 1/5 - but actually all 4 photos on ONE page. see comments on related form 2 for other	10/4/2010 2:38:02 PM
Permit	reproofing 10/4: entered plugging surety section I; took out surface surety references in section IV-2 due to state minerals (permitter to check for state bond number as entered on paper form - RLB0012328; Changed NWNW to Lot 8; emailed Shauna annotated form 2A (that will be rescanned) seeking confirmation of changes. Opr to resend loc pictures (incomplete set) and Loc drawing (never submitted)	10/4/2010 9:53:41 AM
Permit	location drawing missing - without comments; one set of loc pictures missing - other of poor quality ck with Tim Kelly re: bonding for state/state (see Penny's processing notes) - plugging bond needed? location and well 212' apart? need to finish Monday and find original scanned documents needs proofing once we find original and rescan it for proofing (has Penny's Notes from Tuesday 9/7 (form 2A and form 2???) - see email 9/7 from Penny )	9/10/2010 5:08:33 PM

Total: 9 comment(s)

Error: Subreport could not be shown.