

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:

1784262

Date Received:

08/24/2009

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:

414282

Expiration Date:

10/28/2012

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: 27480
 Name: ENERGEN RESOURCES CORPORATION
 Address: 2010 AFTON PLACE
 City: FARMINGTON State: NM Zip: 87401

3. Contact Information

Name: DOUG THOMAS
 Phone: (505) 325-6800
 Fax: (505) 325-6112
 email: DTHOMAS@ENERGEN.COM

4. Location Identification:

Name: JARAMILLO 32-6 Number: 12-3
 County: ARCHULETA
 Quarter: SENE Section: 12 Township: 32N Range: 6W Meridian: N Ground Elevation: 6279

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: 1884 feet FNL, from North or South section line, and 164 feet FEL, from East or West section line.
 Latitude: 37.034530 Longitude: -107.443030 PDOP Reading: 3.0 Date of Measurement: 11/19/2008
 Instrument Operator's Name: SCOTT WIEBE

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"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text" value="1"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="3"/>	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" value="1"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text" value="1"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 10/01/2009 Size of disturbed area during construction in acres: 1.50
Estimated date that interim reclamation will begin: 12/01/2009 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 6279 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: LYNN D. SWANEMYR Phone: _____
Address: 1816 CR 973 Fax: _____
Address: _____ Email: _____
City: IGNACIO State: CO Zip: 81137 Date of Rule 306 surface owner consultation: 12/01/2008
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: 20090047 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: 1000, public road: 153, above ground utility: 210,
railroad: 26200, property line: 164

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: WETHERILL LOAM, 3-8% 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: BIG SAGEBRUSH, PINYON, MUTTONGRASS, AND JUNIPER

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: 25, water well: 450, depth to ground water: 35
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:

SURFACE USE WITHIN 400' OF LOCATION IS ALL PRIVATE GRAZING LAND OR RANGELAND (WITH EXCEPTION OF COUNTY ROAD AND POWERLINE). THERE ARE NO OTHER VISIBLE IMPROVEMENTS OTHER THAN THOSE SHOWN ON LOCATION DRAWING. DEPTH TO GROUNDWATER INFO OBTAINED FROM PROXIMATE WATER WELLS' REPORTS.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
Signed: _____ Date: 08/26/2009 Email: MIKE@FINNEYLAND.COM
Print Name: MICHAEL J. FINNEY Title: AGENT

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: David S. Nashin Director of COGCC Date: 10/29/2009

**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.

Description

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Attachment Check List

Att Doc Num	Name
1784262	FORM 2A APPROVED
1784264	LOCATION PICTURES
1784265	LOCATION DRAWING
1784266	HYDROLOGY MAP
1784267	TOPO MAP
1784268	REFERENCE AREA MAP
1784269	REFERENCE AREA PICTURES
1784270	REFERENCE AREA PICTURES
1784271	REFERENCE AREA PICTURES
1784272	REFERENCE AREA PICTURES
1784273	NRCS MAP UNIT DESC
1784274	PROPOSED BMPs
1784275	PROPOSED BMPs
1784433	PROPOSED BMPs
1808550	PROPOSED BMPs
400014233	FORM 2A

Total Attach: 16 Files

General Comments

User Group	Comment	Comment Date
DOW	<p>ENERGEN RESOURCES CORPORTATION</p> <p>2010 AFTON PLACE</p> <p>FARMINGTON, NM 87401</p> <p>WILDLIFE BEST MANAGEMENT PRACTICES</p> <p>FOR JARAMILLO 32-6 #12-3</p> <p>The listed items below are the wildlife operating standards and best management practices (BMPs) that Energen intends on implementing at the Jaramillo 32-6 #12-3 well location and associated facilities. The expected benefit to wildlife is described below each referenced operating standard (from COGCC regulations) or BMP.</p> <ul style="list-style-type: none">•Use of underground produced water system, piping all produced water back to a centrally located Salt Water Disposal Facility [1203.a.(3), 1203.a.(16)].oReduces truck traffic to location for purposes of water hauling.	10/8/2009 3:09:42 PM

- Gas flow line and produced water line are placed in same ROW until the intersection of their respective pipeline tie-ins [1203.a.(5)].
- o Consolidation of facilities reduces direct habitat disturbance and fragmentation.
- Electrification of well and burial of electric line along access road [1203.a.(3), 1204.a.(3)].
- oUse of underground electrical is raptor friendly.
- oReduction of noise is wildlife and neighbor friendly
- oReduction of pollution by reducing the need for petroleum based engines and therefore reducing green house emissions such as CO₂, NO_x, particulate matter, and other associated emissions.
- oBy trenching the electrical facilities in there is minimal disturbance to surface area
- Use of exclusionary barrier around equipment.
- oPermanent exclusionary barrier will be placed around moving equipment on location to prevent the wildlife entry to potentially harmful equipment.
- Gating access to well location to restricting public access [1203.a.(11)].
- oGates and fencing at entrances of locations restricts public access, reduces traffic, and minimizes disturbance to wildlife in the area.
- Use of Closed-loop Drilling Operations [removes need for 902]
- oRemoves the need for a pit.
- oFewer hazards for wildlife and potential risks associated with having a pit during drilling operations.
- Recycling of Drilling fluids [1203.a.(16)].
- oLess truck traffic due to the recycling methods that Energen has been developing with contractors.
- oMud systems are dewatered and the water is then reused during drilling operations.
- oMud that is still able for use upon completion is transported to the next drilling location for drilling operations, reducing the amount of water usage.
- Use of interim reclamation to reduce disturbed area after drilling [1203.a.(9)].
- oPost drilling operations, Energen reclaims the well pad and access road back to a minimum area of disturbance, therefore leaving only necessary operational areas disturbed.
- oEnergen Resources Corporation strives to re-vegetate with seed mixtures that are of the surface owner's preference and are also a benefit to wildlife. Attached is list of seed mixtures from the Colorado Department of Wildlife and will be used in discussions with the surface owner prior to reseeding for interim and final reclamation.
- Use of weed management and control measures to keep disturbed areas as free of all undesirable plant species designated to be noxious weeds as practicable [1003.f].
- oPreventing the spread of noxious weeds protects the productivity of adjacent wildlife habitats for a variety of species.

	The implementation these operational practices create an overall diminished impact to wildlife.	
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Total: 1 comment(s)

Best Management Practices

No BMP/COA Type

Description