


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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> <p>Document Number: 400151237</p>	DE	ET	OE	ES																					
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Oil and Gas Location Assessment			<p>Location ID: 309538</p> <p>Expiration Date: 05/23/2014</p>																									
<p> <input type="checkbox"/> New Location <input checked="" type="checkbox"/> Amend Existing Location Location#: <u>309538</u> </p>																												
<p>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.</p>																												
<p><input checked="" type="checkbox"/> This location assessment is included as part of a permit application.</p>																												
1. CONSULTATION																												
<p> <input type="checkbox"/> This location is included in a Comprehensive Drilling Plan. CDP # _____ <input type="checkbox"/> This location is in a sensitive wildlife habitat area. <input type="checkbox"/> This location is in a wildlife restricted surface occupancy area. <input type="checkbox"/> This location includes a Rule 306.d.(1)A.ii. variance request. </p>																												
2. Operator		3. Contact Information																										
Operator Number: <u>10084</u> Name: <u>PIONEER NATURAL RESOURCES USA INC</u> Address: <u>1401 17TH ST STE 1200</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Name: <u>Georgina Kovacik</u> Phone: <u>(303) 675-2611</u> Fax: <u>(303) 294-1251</u> email: <u>georgina.kovacik@pxd.com</u>																										
4. Location Identification:																												
Name: <u>KELLY BUSHING</u> Number: <u>22-36</u> County: <u>LAS ANIMAS</u> QuarterQuarter: <u>SE/NW</u> Section: <u>36</u> Township: <u>32S</u> Range: <u>67W</u> Meridian: <u>6</u> Ground Elevation: <u>7370</u>																												
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: <u>2568</u> feet <u>FNL</u> , from North or South section line, and <u>2109</u> feet <u>FWL</u> , from East or West section line.																												
Latitude: <u>37.215210</u> Longitude: <u>-104.840690</u> PDOP Reading: <u>1.9</u> Date of Measurement: <u>10/08/2008</u>																												
Instrument Operator's Name: <u>R. Coberly</u>																												
5. Facilities (Indicate the number of each type of oil and gas facility planned on location):																												
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Other: _____																												

6. Construction:

Date planned to commence construction: 07/10/2011 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 10/10/2011 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 7370 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: Drilling pit

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 05/29/2008
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: 20040083 ☐ 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: 2640, public road: 1240, above ground utilit: 1380
, railroad: 83000, property line: 67

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: Trujillo-Sandy Loam, 9 tp 25% 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: 06/10/2008

List individual species: gresses and cactus

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: 680, water well: 2910, depth to ground water: 60

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:

If a pit liner is used it will be properly managed as solid waste when the pit is closed in accordance with state rules. The reference area is an undisturbed area adjacent to and to the north of the well pad. The water well used to determine the static water level is #0083504 Georgina Messina, Beatice Sauer, Mildred Davies and Billie Jean Stumbaugh have form the Four McDonald Sisters LLC, that is why we have agreements with each one but only one adress for the 30 day letter.

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

Signed: _____ Date: 04/07/2011 Email: georgina.kovacik@pxd.com

Print Name: Georgina Kovacik Title: Engineering Tech

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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 G. Neslin

Director of COGCC

Date: 5/24/2011

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.

Prior to putting production pits into service Pioneer shall submit an Earthen Pit Report/Permit Form 15 to the Director for approval in accordance with rule 903.a.. No production water shall be placed in a pit without a pre-approved form 15.

Location is in a sensitive area because of potential for adverse impacts to ground water/surface water; therefore all pits will be lined.

Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to prevent a release of drilling, completion, produced fluids, or chemical products from migrating off the location.

Reference area pictures shall be provided to the COGCC within 12 months of approval of the form 2A.

Attachment Check List

Att Doc Num	Name
2533186	CONST. LAYOUT DRAWINGS
2533188	CONST. LAYOUT DRAWINGS
2533199	NRCS MAP UNIT DESC
2533200	CORRESPONDENCE
400151237	FORM 2A SUBMITTED
400151243	ACCESS ROAD MAP
400151244	CONST. LAYOUT DRAWINGS
400151245	HYDROLOGY MAP
400151246	CONST. LAYOUT DRAWINGS
400151247	LOCATION DRAWING
400151248	LOCATION PICTURES
400151249	LOCATION PICTURES
400151250	SURFACE AGRMT/SURETY
400151251	SURFACE AGRMT/SURETY
400151252	SURFACE AGRMT/SURETY
400151253	SURFACE AGRMT/SURETY
400151254	SURFACE AGRMT/SURETY
400151255	SURFACE AGRMT/SURETY
400151256	SURFACE AGRMT/SURETY
400151257	TOPO MAP
400151258	WELL LOCATION PLAT
400151259	EXCEPTION LOC WAIVERS
400151272	EXCEPTION LOC REQUEST
400155319	NRCS MAP UNIT DESC

Total Attach: 24 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Ready to pass 5/11/2011	5/4/2011 10:47:39 AM
Permit	Opr corrected. sf	4/20/2011 10:50:11 AM
Permit	Back to draft for surface owners to be listed, well location ID and our mapping system don't match - need as-built submitted. sf	4/8/2011 1:41:14 PM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	A diversion ditch will be installed on the cut side to divert the rain water/snow melt from the location. Erosion control devices will be installed on the fill side of the location to contain any erosion from the fill part of the location.
Material Handling and Spill Prevention	Spill reponse equipment shall be available in the event of a spill or release. Pioneer shall investigate spills to ensure proper clean up/remediation measures and required reporting protocol is implemented.
Interim Reclamation	All the areas of the location will be recoutoured to the original stage.

Total: 3 comment(s)