


<b>FORM</b> <b>2A</b> Rev 04/01	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 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: 400127625</p>	DE	ET	OE	ES																					
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<b>Oil and Gas Location Assessment</b>																												
<input type="checkbox"/> New Location <input checked="" type="checkbox"/> Amend Existing Location      Location#: <u>336608</u>																												
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 <a href="http://colorado.gov/cogcc/">http://colorado.gov/cogcc/</a> for all accompanying information pertinent to this Oil and Gas Location Assessment.			Location ID: <b>336608</b>  Expiration Date: <b>04/05/2014</b>																									
<input checked="" type="checkbox"/> This location assessment is included as part of a permit application.																												
<b>1. CONSULTATION</b> <input type="checkbox"/> This location is included in a Comprehensive Drilling Plan. CDP # _____ <input checked="" type="checkbox"/> This location is in a sensitive wildlife habitat area. <input checked="" 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.																												
<b>2. Operator</b> Operator Number: <u>47120</u> Name: <u>KERR-MCGEE OIL &amp; GAS ONSHORE LP</u> Address: <u>P O BOX 173779</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-3779</u>		<b>3. Contact Information</b> Name: <u>CHERYL LIGHT</u> Phone: <u>(720) 929-6461</u> Fax: <u>(720) 929-7461</u> email: <u>CHERYL.LIGHT@ANADARKO.COM</u>																										
<b>4. Location Identification:</b> Name: <u>REI</u> Number: <u>25-10</u> County: <u>WELD</u> QuarterQuarter: <u>SWSW</u> Section: <u>10</u> Township: <u>3N</u> Range: <u>65W</u> Meridian: <u>6</u> Ground Elevation: <u>4816</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>438</u> feet <u>FSL</u> , from North or South section line, and <u>463</u> feet <u>FWL</u> , from East or West section line. Latitude: <u>40.233814</u> Longitude: <u>-104.657704</u> PDOP Reading: <u>2.7</u> Date of Measurement: <u>05/17/2010</u> Instrument Operator's Name: <u>CHRIS PEARSON</u>																												
<b>5. Facilities (Indicate the number of each type of oil and gas facility planned on location):</b> <table style="width: 100%;"> <tr> <td>Special Purpose Pits: <input type="text"/></td> <td>Drilling Pits: <input type="text"/></td> <td>Wells: <input type="text" value="9"/></td> <td>Production Pits: <input type="text"/></td> <td>Dehydrator Units: <input type="text"/></td> </tr> <tr> <td>Condensate Tanks: <input type="text"/></td> <td>Water Tanks: <input type="text"/></td> <td>Separators: <input type="text"/></td> <td>Electric Motors: <input type="text"/></td> <td>Multi-Well Pits: <input type="text"/></td> </tr> <tr> <td>Gas or Diesel Motors: <input type="text"/></td> <td>Cavity Pumps: <input type="text"/></td> <td>LACT Unit: <input type="text"/></td> <td>Pump Jacks: <input type="text"/></td> <td>Pigging Station: <input type="text"/></td> </tr> <tr> <td>Electric Generators: <input type="text"/></td> <td>Gas Pipeline: <input type="text"/></td> <td>Oil Pipeline: <input type="text"/></td> <td>Water Pipeline: <input type="text"/></td> <td>Flare: <input type="text"/></td> </tr> <tr> <td>Gas Compressors: <input type="text"/></td> <td>VOC Combustor: <input type="text"/></td> <td>Oil Tanks: <input type="text"/></td> <td>Fuel Tanks: <input type="text"/></td> <td></td> </tr> </table> Other: _____				Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="9"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>	Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text"/>	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"/>	Pigging Station: <input type="text"/>	Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text"/>	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"/>	Fuel Tanks: <input type="text"/>	
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6. Construction:

Date planned to commence construction: 06/08/2011 Size of disturbed area during construction in acres: 2.64  
Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 0.18  
Estimated post-construction ground elevation: 4816 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: 07/12/2010  
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: 20010124 ☐ 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: 3169 , public road: 5680 , above ground utilit: 10067  
 , railroad: 45214 , property line: 207

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: 70 VALENT SAND, 3 TO 9 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: 01/06/2011

List individual species: cheatgrass - Anisantha tectorum/sagebrush - Artemisia sp/western wheatgrass - Pascopyrum smithii/Russian thistle - Salsola kali/sunflower - Helianthus annuus

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): Disturbed/Developed and Sagebrush-Cheatgrass Rangeland

**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: 269, water well: 1655, depth to ground water: 81

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:**

CLOSEST WATER WELL PERMIT #: 279564 WATER WELL WITH GROUND WATER DEPTH PERMIT # 6844 MEASUREMENTS ON LOCATION DRAWING ARE FROM ONE CENTRAL POINT WETLANDS AREA IS 269' S

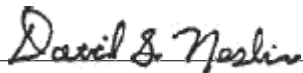
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: 01/27/2011 Email: DJREGULATORY@ANADARKO.COM

Print Name: CHERYL LIGHT Title: SENIOR REGULATORY ANALYST

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: 4/6/2011

**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.

**Attachment Check List**

Att Doc Num	Name
2085903	CORRESPONDENCE
400127625	FORM 2A SUBMITTED
400127721	WELL LOCATION PLAT
400127722	TOPO MAP
400127723	LOCATION PICTURES
400127724	LOCATION DRAWING
400127725	HYDROLOGY MAP
400127726	ACCESS ROAD MAP
400127729	NRCS MAP UNIT DESC
400127732	MULTI-WELL PLAN
400127735	SURFACE AGRMT/SURETY
400127737	30 DAY NOTICE LETTER
400127738	VARIANCE REQUEST
400128298	REFERENCE AREA PICTURES

Total Attach: 14 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	502.b. variance requested for location exception outside of 318A window yet within 50 feet of existing wells. Surface owner could not be contacted.	4/6/2011 11:12:44 AM
DOW	Wildlife BMPs have been added to the permit.	2/28/2011 10:45:13 AM
OGLA	Added wildlife BMPs due to proximity to bald eagle nest (Celia Greenman is out of the office until 2/24/2011).	2/15/2011 11:49:51 AM
Permit	On hold Kerr Mcgee is asking for a surface location variance. Waiting for variance approval	2/1/2011 7:07:54 AM
Permit	Opr corrected. sf	1/31/2011 2:47:56 PM
Permit	back to draft status location is within RSO and SWH but these designations were not noted on the application. kk	1/28/2011 2:42:10 PM

Total: 6 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>
Wildlife	<p>Where possible, avoid surface occupancy (beyond that which historically occurred in the area) within 0.25 mile of any active or historic bald eagle nest site.</p> <p>No human disturbance or construction activity within 0.5 mile of any active bald eagle nest from November 15 to July 31. Activity within 0.5 mile of bald eagle nest sites would be best conducted between August 15 and October 15. This includes any workover activity after well installation.</p> <p>No surface occupancy or construction within 0.25 mile of any active bald eagle winter night roost site, where there is no direct line of sight to the roost, between December 1 and February 28 and within 0.5 mile of any active bald eagle winter night roost site, where there is a direct line of sight to the roost, between December 1 and February 28.</p> <p>No human disturbance within 0.5 mile of any active bald eagle winter roost site from November 15 to March 15 except for periodic visits such as oil maintenance and monitoring. This includes any workover activity after well installation. Maintenance and monitoring work within the buffer zone after development should be restricted to the period between 10:00 a.m. and 2:00 p.m.</p>

Total: 1 comment(s)