

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 with columns DE, ET, OE, ES

Document Number: 400241290

Oil and Gas Location Assessment

[X] 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.

Location ID: 427876 Expiration Date: 02/24/2015

[X] 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: 47120
Name: KERR-MCGEE OIL & GAS ONSHORE LP
Address: P O BOX 173779
City: DENVER State: CO Zip: 80217-3779

3. Contact Information

Name: Rebecca Heim
Phone: (720) 929-6361
Fax: (720) 929-7361
email: rebecca.heim@anadarko.com

4. Location Identification:

Name: CAMP Number: 4N-31HZ
County: WELD
Quarter: SWSW Section: 31 Township: 3N Range: 65W Meridian: 6 Ground Elevation: 4971
Footage at surface: 460 feet FSL, from North or South section line, and 1320 feet FWL, from East or West section line.
Latitude: 40.175961 Longitude: -104.711114 PDOP Reading: 2.1 Date of Measurement: 10/10/2011
Instrument Operator's Name: CHRIS BOUB

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

Special Purpose Pits: [] Drilling Pits: [2] Wells: [5] Production Pits: [] Dehydrator Units: []
Condensate Tanks: [] Water Tanks: [5] Separators: [5] Electric Motors: [] Multi-Well Pits: []
Gas or Diesel Motors: [] Cavity Pumps: [] LACT Unit: [] Pump Jacks: [] Pigging Station: []
Electric Generators: [] Gas Pipeline: [1] Oil Pipeline: [] Water Pipeline: [] Flare: [1]
Gas Compressors: [] VOC Combustor: [1] Oil Tanks: [5] Fuel Tanks: []
Other: Drilling pits will be used to set surface casing

6. Construction:

Date planned to commence construction: 06/15/2012 Size of disturbed area during construction in acres: 10.00
Estimated date that interim reclamation will begin: 09/17/2012 Size of location after interim reclamation in acres: 0.02
Estimated post-construction ground elevation: 4971 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: 03/28/2011
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: 1350, public road: 1480, above ground utilit: 460
, railroad: 30360, property line: 460

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: 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: 01/10/2012
List individual species: Russian thistle - Salsola kali; Common sunflower - Helianthus annuus, Sand sagebrush - Artemisia filifolia, Goosefoot - Chenopodium spp, Prairie sandreed - Calamovilfa longifolia

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): Mixed forb/grass 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: 5280, water well: 1510, depth to ground water: 439
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 Suppl 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 #: 211268/The surface location of this well is an exception to Rule 318A.a and to Rule 318A.c. This well is not within the GWA surface location window and does not meet the twinning requirement due to the number of wells planned for this area and at the request of the surface owner. An exception location request letter and signed waivers are attached to the Form 2 and Form 2A./The tank battery will be constructed with a liner.

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

Signed: _____ Date: 01/26/2012 Email: DJRegulatory@anadarko.com

Print Name: Rebecca Heim Title: Regulatory Analyst II

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: 2/25/2012

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.

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Attachment Check List

Att Doc Num	Name
400241290	FORM 2A SUBMITTED
400241295	MULTI-WELL PLAN
400241296	30 DAY NOTICE LETTER
400241297	HYDROLOGY MAP
400241298	LOCATION DRAWING
400241299	LOCATION PICTURES
400241300	NRCS MAP UNIT DESC
400241301	WELL LOCATION PLAT
400241302	TOPO MAP
400241303	ACCESS ROAD MAP
400241304	SURFACE AGRMT/SURETY
400241305	EXCEPTION LOC REQUEST
400241306	EXCEPTION LOC WAIVERS
400241307	WASTE MANAGEMENT PLAN
400243375	REFERENCE AREA PICTURES

Total Attach: 15 Files

General Comments

User Group	Comment	Comment Date
Permit	Final review complete.	2/22/2012 10:58:04 AM
Permit	Corrected variance request letters received and attached to Form 2's. Ready to pass pending public comment 2/17/12.	2/7/2012 2:36:54 PM
OGLA	OK to pass.	1/30/2012 3:13:11 PM
Permit	On hold for corrections to the form 2's variance request letter.	1/30/2012 11:21:41 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)