

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 4 columns: DE, ET, OE, ES

Document Number: 400174299

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: 424427 Expiration Date: 07/22/2014

[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: GOBBLER Number: 1C-23HZ County: WELD Quarter: SESE Section: 23 Township: 2N Range: 66W Meridian: 6 Ground Elevation: 5086 Define a single point as a location reference for the facility location. Footage at surface: 240 feet FSL, from North or South section line, and 1130 feet FEL, from East or West section line. Latitude: 40.117150 Longitude: -104.739014 PDOP Reading: 2.3 Date of Measurement: 05/20/2011 Instrument Operator's Name: CHRIS PEARSON

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

Special Purpose Pits: [] Drilling Pits: [] Wells: [2] Production Pits: [] Dehydrator Units: [] Condensate Tanks: [] Water Tanks: [] Separators: [] Electric Motors: [] Multi-Well Pits: [] Gas or Diesel Motors: [] Cavity Pumps: [] LACT Unit: [] Pump Jacks: [] Pigging Station: [] Electric Generators: [] Gas Pipeline: [] Oil Pipeline: [] Water Pipeline: [] Flare: [] Gas Compressors: [] VOC Combustor: [] Oil Tanks: [] Fuel Tanks: []

Other: _____

6. Construction:

Date planned to commence construction: 09/01/2011 Size of disturbed area during construction in acres: 10.00
Estimated date that interim reclamation will begin: 12/15/2011 Size of location after interim reclamation in acres: 0.02
Estimated post-construction ground elevation: 5086 Will a closed loop system be used for drilling fluids: Yes [X]
Will salt sections be encountered during drilling: Yes [] No [X] Is H2S anticipated? Yes [] No [X]
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [] No [X]
Mud disposal: Offsite [X] Onsite [] Method: Land Farming [] Land Spreading [X] Disposal Facility []
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 06/02/2011
Surface Owner: [X] Fee [] State [] Federal [] Indian
Mineral Owner: [X] 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 [X] Blanket Surety ID 20010125

8. Reclamation Financial Assurance:

[X] 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 [X]
Distance, in feet, to nearest building: 380 , public road: 240 , above ground utilit: 205
, railroad: 20014 , property line: 205

10. Current Land Use (Check all that apply):

Crop Land: [] Irrigated [] Dry land [] Improved Pasture [] Hay Meadow [] CRP
Non-Crop Land: [X] 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: [X] 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.

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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: 44 Olney loamy sand, 1 to 3 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: 06/10/2011

List individual species: cheatgrass - Anisantha tectorum – Noxious weed – List C

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): Cheatgrass-dominated 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: 2475, water well: 1360, depth to ground water: 463

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 # 22126-F. Water well with ground water depth: permit # 257372.

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

Signed: _____ Date: 06/14/2011 Email: DJRegulatory@anadarko.com

Print Name: Rebecca Heim Title: Regulatory Analyst II

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 S. Nesline

Director of COGCC

Date: 7/23/2011

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
400174299	FORM 2A SUBMITTED
400174316	WELL LOCATION PLAT
400174317	TOPO MAP
400174319	LOCATION DRAWING
400174320	LOCATION PICTURES
400174324	ACCESS ROAD MAP
400174325	NRCS MAP UNIT DESC
400174326	MULTI-WELL PLAN
400174327	30 DAY NOTICE LETTER
400174328	WAIVERS
400174330	EXCEPTION LOC REQUEST
400174331	REFERENCE AREA PICTURES
400174338	HYDROLOGY MAP

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Received and attached BMP's.	7/22/2011 2:28:45 PM
Permit	Form 2's currently on hold. w/o BMP's from operator. ready to pass.	7/1/2011 11:20:35 AM
OGLA	OK to pass.	6/17/2011 4:03:02 PM
Permit	changed N/A on surface and mineral tab to BOND since bond info provided by operator. e-mailed operator with notice of change.	6/15/2011 9:21:38 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	During the fracing of this Gobbler horizontal well, Kerr-McGee will shut in the UPRR 38 Pan Am M True 1 well and monitor the casing pressure of this well for a period of 24-hours and report this casing pressure to the COGCC staff via a sundry. Additionally, Kerr-McGee will notify Noble Energy in advance of the estimated completion date of this horizontal well and encourage them to shut in the five Arrowhead Farm wells located within 1000' and monitor the casing and tubing pressure during completion. However, if Kerr-McGee decides to use this UPRR 38 Pam Am M True 1 well for microseismic monitoring then the casing pressure will be reported as a monthly average before and a monthly average after the frac and be noted that it is reported as a monthly average in the submitted sundry.

Total: 1 comment(s)