

**FORM
2A**Rev
04/01State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

1783758

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 stand alone 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:

412925☒ 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: 10254

Name: RED MESA HOLDINGS/O&G LLC

Address: 5619 DTC PARKWAY - STE 800

City: GREENW State: CO Zip: 80111
OOD
VILLAGE

3. Contact Information

Name: RICHARD LARSON

Phone: (970) 588-3302

Fax: (970) 588-3562

email: RLARSON@MADISONCAP.COM

4. Location Identification:

Name: MACY Number: 2

County: LA PLATA

QuarterQuarter: NWSE Section: 14 Township: 33N Range: 12W Meridian: N Ground Elevation: 6699

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: 1975 feet, from North or South section line: FSL and 2030 feet, from East or West section line: FEL

Latitude: 37.102430 Longitude: -108.117410 PDOP Reading: 3.0 Date of Measurement: 06/04/2009

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="text" value="1"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="1"/>	Sparators: <input type="text" value="1"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="text" value="2"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="1"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="text" value="1"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="text" value="1"/>	Fuel Tanks: <input type="checkbox"/>	

Other: _____

6. Construction:

Date planned to commence construction: 08/15/2009 Size of disturbed area during construction in acres: 1.10
Estimated date that interim reclamation will begin: 11/15/2009 Size of location after interim reclamation in acres: 0.92
Estimated post-construction ground elevation: 6699 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: EVE SMITH Phone: 706-635-2037
Address: 50 PARKER RUNE Fax: _____
Address: _____ Email: _____
City: ELIJAH State: GA Zip: 30536 Date of Rule 306 surface owner consultation: 06/17/2009
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 executor 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: 20080005 ☐ 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: 1700, public road: 1934, above ground utilit: 1900
, railroad: 25000, property line: 601

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: WITT 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: WESTERN WHEATGRASS, BIG SAGEBRUSH, PINYON, ROCKY MOUNTAIN JUNIPER,
INDIAN RICEGRASS BLUE GRAMA, MUTTONGRASS, JUNEGRASS, NEEDLEANDTHREAD,
GAMBEL OAK, AND SERVICEBERRY

Check all plant communities that exist in the disturbed area.

- ☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☒ Native Grassland (Bluestern, 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: 950, water well: 1200, depth to ground water: 52

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. THERE ARE NO OTHER VISIBLE IMPROVEMENTS OTHER THAN THOSE SHOWN ON LOCATION DRAWING. THIS LOCATION IS IN A SENSITIVE WATER AREA PER A 2002 WRIGHT WATER ENGINEERS REPORT AND A 2007 COGCC MEMO FROM KAREN SPRAY TO STAR ACQUISITIONS (PREVIOUS OPERATOR) AND VARIOUS LANDOWNERS. 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: 07/08/2009 Email: RLARSON@MADISONCAP.COM

Print Name: RICHARD LARSON Title: _____

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: 8/10/2009

Condition of Approval

Comment	User Name	Comment Date
Agency		
pertend		07/15/2009

Attachment Check List

Att Doc Num	Name	Doc Description	Op. Check	File Size
1783749	LOCATION PICTURES	LF@2096700 1783749	Y	
1783750	LOCATION DRAWING	LF@2096708 1783750	Y	
1783751	HYDROLOGY MAP	LF@2096706 1783751	Y	
1783752	ACCESS ROAD MAP	LF@2096704 1783752	Y	
1783753	REFERENCE AREA MAP	LF@2096702 1783753	Y	
1783754	NRCS MAP UNIT DESC	LF@2096625 1783754	Y	
1783755	PROPOSED BMPs	LF@2096626 1783755	Y	
1783758	FORM 2A	LF@2096624 1783758	Y	
1783973	HYDROLOGY MAP	LF@2103580 1783973	Y	
1783974	REFERENCE AREA PICTURES	LF@2103581 1783974	Y	
1783975	REFERENCE AREA PICTURES	LF@2103582 1783975	Y	
1783976	REFERENCE AREA PICTURES	LF@2103583 1783976	Y	
1783977	REFERENCE AREA PICTURES	LF@2103584 1783977	Y	

Total Attach: 13 Files