

**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



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Document Number:

400050311

Oil and Gas Location Assessment

☐ New Location ☒ Amend Existing Location Location#: 336400

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:

336400

Expiration Date:

☒ 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: 52250
Name: MACHII-ROSS PETROLEUM CO
Address: 2901 28TH ST STE 205
City: SANTA MONICA State: CA Zip: 90405

3. Contact Information

Name: CLAYTON DOKE
Phone: (970) 669-7411
Fax: (970) 669-4077
email: clay.doke@gmail.com

**4. Location
Identification:**

Name: KUGEL Number: 32-18 & 32-18J
County: WELD
QuarterQuarter: SWNE Section: 18 Township: 2N Range: 67W Meridian: 6 Ground Elevation: 4967

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: 1967 feet, from North or South section line: FNL and 1964 feet, from East or West section line: FEL
Latitude: 40.140280 Longitude: -104.931060 PDOP Reading: 0.3 Date of Measurement: 02/23/2007

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

Special Purpose Pits: Drilling Pits: Wells: 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: 3-phase flow line to existing battery located approximately 1,869' east. Pump jack is on existing Kugel 32-18 well.
One pit closed some 30 years ago.

6. Construction:

Date planned to commence construction: 06/01/2010 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 06/30/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4967 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: Town of Firestone Phone: _____
Address: Firestone Finance Auth. Fax: _____
Address: 151 Grant Ave. Email: _____
City: Firestone State: CO Zip: 80520-0100 Date of Rule 306 surface owner consultation: 03/10/2009
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 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 20090063

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20090062 ☐ 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: 820, public road: 1964, above ground utilit: 820
, railroad: 27400, property line: 666

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): Park
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: VONA LOAMY SAND, 3 TO 5 PERCENT SLOPES

NRCS Map Unit Name: OLNEY LOAMY SAND, 1 TO 3 PERCENT SLOPES

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: Sideoats grama, Sand dropseed, Thickspike wheatgrass, Prairie sandreed, Sand bluestem, Switchgrass, Little bluestem, Needleandthread, Western wheatgrass.

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: 4413, water well: 935, depth to ground water: 80

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:

THERE ARE TWO WELLS ON THIS SITE, BOTH ARE VERTICAL, THUS NO MULTI-WELL PLAN HAS BEEN FILED. STATIC WATER LEVEL DETERMINED FROM DOMESTIC WATER WELL PERMIT #:107099- - LOCATED @ NW SE 18 2.0N 67.0W Sixth 2440 S 1620 E, LOCATED APPROXIMATELY 935' SOUTH - SOUTHEAST OF THE KUGEL 32-18J. THIS IS ALSO THE CLOSEST WATER WELL TO THE LOCATION. The reference area is adjacent to the pad location and (thus) the location photos are also reference area photos

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

Signed: _____ Date: 04/07/2010 Email: clay.doke@gmail.com

Print Name: CLAYTON DOKE Title: ENGINEER

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: _____

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	Doc Description
400051323	NRCS MAP UNIT DESC	NRCS REPORT.pdf
400052849	ACCESS ROAD MAP	KUGEL 32-18J LOCATION, ACCESS ROAD.pdf
400052852	HYDROLOGY MAP	KUGEL 32-18J LOCATION, HYDROLOGY.pdf
400052856	LOCATION DRAWING	KUGEL 32-18J LOCATION, DRAWING.pdf
400052870	LOCATION PICTURES	KUGEL 32-18J, LOCATION, PHOTOGRAPHS.pdf
400053529	FORM 2A SUBMITTED	400053529.pdf

Total Attach: 6 Files