

FORM  
2A

Rev  
04/01

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

2237332

Date Received:

07/16/2012

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 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 <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

**429918**

Expiration Date:

**08/15/2015**

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: 10220

Name: RAMSEY PROPERTY MANAGEMENT LLC

Address: 2932 NW 122ND STREET - SUITE #4

City: OKLAHOMA CITY State: OK Zip: 73120-1955

3. Contact Information

Name: STEPHEN E. NICHOLS

Phone: (405) 302-6200

Fax: (405) 302-6240

email: SENICHOLS@RAMSEYLLC.COM

4. Location Identification:

Name: STATE OF COLORADO Number: 2-36

County: BACA

QuarterQuarter: NESE Section: 36 Township: 34S Range: 43W Meridian: 6 Ground Elevation: 3747

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: 2310 feet FSL, from North or South section line, and 330 feet FEL, from East or West section line.

Latitude: 37.039100 Longitude: -102.218291 PDOP Reading: 1.9 Date of Measurement: 05/30/2012

Instrument Operator's Name: KEITH WESTFALL

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

Other: \_\_\_\_\_

**6. Construction:**

Date planned to commence construction: 09/12/2012 Size of disturbed area during construction in acres: 2.00  
 Estimated date that interim reclamation will begin: 10/01/2012 Size of location after interim reclamation in acres: 1.00  
 Estimated post-construction ground elevation: 3745 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: DEHYDRATION

**7. Surface Owner:**

Name: COLORADO Phone: \_\_\_\_\_  
 Address: 1127 SHERMAN ST. STE. 300 Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80203 Date of Rule 306 surface owner consultation: 07/11/2012

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: 20090131  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: 5280, public road: 330, above ground utilit: 5280  
 , railroad: 5280, property line: 2310

**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: TIVOLI SAND - TN

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: \_\_\_\_\_  
\_\_\_\_\_

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): \_\_\_\_\_

### 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: 3385, water well: 3710, depth to ground water: 50

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:

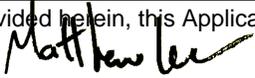
WELL LOCATION 991' FROM EXISTING L. KEYES SAND PRODUCER. ENCLOSED IS THE EXCEPTION LOCATION REQUEST LETTER WITH JUSTIFICATION BASED ON WELL DRAINAGE.

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

Signed: \_\_\_\_\_ Date: 07/13/2012 Email: SENICHOLS@RAMSEYLIC.COM

Print Name: STEPHEN E. NICHOLS Title: MANAGING PARTNER

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: 8/16/2012

**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.**

•Prior to drilling, operator shall sample two wells, springs, or surface water features within a one (1) mile radius of the proposed oil and gas location. Testing preference shall be given to water wells and springs over surface water. The sample location shall be surveyed in accordance with Rule 215.

Initial baseline testing shall include laboratory analysis of pH, total dissolved solids (TDS), specific conductivity (SC), sodium adsorption ratio (SAR) calculation, calcium (Ca), potassium (K), magnesium (Mg), sodium (Na), arsenic (As), boron (B), barium (Ba), cadmium (Cd), chromium (Cr), copper (Cu), iron (Fe), manganese (Mn), lead (Pb), selenium (Se). All metals analyzed for total recoverable; bromide (Br), chloride (Cl), fluoride (F), sulfate (SO<sub>4</sub>), alkalinity (total, HCO<sub>3</sub>, and CO<sub>3</sub> – all expressed as CaCO<sub>3</sub>), benzene, toluene, ethyl benzene, o-xylene, m- + p-xylene (BTEX), dissolved methane, diesel range organics (DRO), gasoline range organics (GRO). Sampling shall be performed by qualified individuals using methods consistent with commonly accepted environmental sampling procedures. Field observations such as pH, temperature, specific conductance, odor, water color, sediment, bubbles, and effervescence shall also be included.

If free gas or a dissolved methane concentration level greater than one (1) milligrams per liter (mg/l) is detected in a water well, gas compositional analysis and stable isotope analysis of the methane (carbon and deuterium) shall be performed to determine gas type (biogenic or thermogenic). If the methane concentration increases by more than five (5) mg/l between sampling periods, or increases to more than ten (10) mg/l, the operator shall notify the Director and the owner of the water well immediately. If thermogenic methane concentrations increase between sampling periods, the operator shall submit to the Director an action plan to determine the source of the increase.

Copies of all test results described above shall be provided to the Director and the landowner where the water quality testing well is located within three (3) months of collecting the samples used for the test. The analytical data and surveyed sample locations shall also be submitted to the Director in an electronic data deliverable format approved by Director.

**Attachment Check List**

Att Doc Num	Name
2237332	FORM 2A SUBMITTED
2237333	LOCATION PICTURES
2237334	LOCATION DRAWING
2237335	HYDROLOGY MAP
2237336	ACCESS ROAD MAP
2237337	REFERENCE AREA MAP
2237338	REFERENCE AREA PICTURES
2237339	NRCS MAP UNIT DESC
2237340	WELL LOCATION PLAT
2532914	EXCEPTION LOC WAIVERS
2533658	CORRESPONDENCE
2533659	DOW CONSULTATION
2533660	CORRESPONDENCE

Total Attach: 13 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Final review completed.	8/16/2012 11:17:21 AM
DOW	This lek has not been active (within 5-years). In order to recovery this state listed bird, CPW recommends one well only and not compressors at site.	8/16/2012 10:46:50 AM
OGLA	Changed Date to commence construction and mud disposal method with operator approval. Per Al Trujillo-CPW's review of this well site has determined the Lesser prairie-chicken lek is non-active (no birds within last 5-years) and we have no specific BMPs to offer protection. However, in our on-going effort to recover this state listed bird we would recommend that construction be limited to one well only (no compressors or other large facilities).  Ready to pass.	8/14/2012 8:42:14 AM
Permit	Waiting on BMP regarding the lessor praire chicken.	3/9/2012 2:58:58 PM
OGLA	The location falls within the Southern High Plains Designated basin and is by rule considered a sensitive area. The operator has checked the sensitive area box as yes.	7/24/2012 10:57:33 AM
OGLA	Al Trujillo with CPW is going to contact the operator becuase the location falls within a Prairie Chicken Leck. BMPs will need to be attached to the 2A prior to approval.	7/24/2012 10:43:18 AM
Permit	Spoke with operator. He confirmed that they do have an oil and gas lease signed by surface owner, which he will email to me. I checked "committed to an oil and gas lease" box, removed "SUA" from right to construct box, and removed Bond ID, all per operator. Am putting the application in process.	7/24/2012 8:35:59 AM
Permit	Checked boxes per operator. Operator is checking on whether the surface owner has signed lease, or if there is a SUA. BondID# under Surface and Minerals is plugging not surface.	7/18/2012 10:34:06 AM
Permit	Returned to draft. Location is in a Sensitive Wildlife Habitat (box is unchecked). Line 2 H2S question not answered. Need to straighten out surface owner protection.	7/18/2012 7:55:29 AM

Total: 9 comment(s)

**BMP**

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

Total: 0 comment(s)