

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:
400093481

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 334093

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:
334093
Expiration Date:
11/17/2013

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: 100185
Name: ENCANA OIL & GAS (USA) INC
Address: 370 17TH ST STE 1700
City: DENVER State: CO Zip: 80202-5632

3. Contact Information

Name: Miracle Pfister
Phone: (720) 876-3761
Fax: (720) 876-4861
email: miracle.pfister@encana.com

4. Location Identification:

Name: Keinath Federal Number: 9-12H2 (C10OU)
County: MESA
QuarterQuarter: NENW Section: 10 Township: 8S Range: 96W Meridian: 6 Ground Elevation: 5568
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: 1023 feet, from North or South section line: FNL and 1544 feet, from East or West section line: FWL
Latitude: 39.368668 Longitude: -108.099242 PDOP Reading: 2.0 Date of Measurement: 03/30/2010
Instrument Operator's Name: C.D. SLAUGH

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

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text" value="0"/>	Wells: <input type="text" value="18"/>	Production Pits: <input type="text" value="0"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="0"/>	Separators: <input type="text" value="17"/>	Electric Motors: <input type="text" value="0"/>	Multi-Well Pits: <input type="text" value="0"/>
Gas or Diesel Motors: <input type="text" value="0"/>	Cavity Pumps: <input type="text" value="0"/>	LACT Unit: <input type="text" value="0"/>	Pump Jacks: <input type="text" value="0"/>	Pigging Station: <input type="text" value="0"/>
Electric Generators: <input type="text" value="0"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="0"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="0"/>
Gas Compressors: <input type="text" value="0"/>	VOC Combustor: <input type="text" value="0"/>	Oil Tanks: <input type="text" value="0"/>	Fuel Tanks: <input type="text" value="0"/>	

Other: SP Pit is a flare pit.

6. Construction:

Date planned to commence construction: 11/22/2010 Size of disturbed area during construction in acres: 10.46
Estimated date that interim reclamation will begin: 05/01/2013 Size of location after interim reclamation in acres: 3.16
Estimated post-construction ground elevation: 5568 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 [] Onsite [X] 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: 12/20/2004
Surface Owner: [X] Fee [] State [] Federal [] Indian []
Mineral Owner: [] Fee [] State [X] 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 [X] 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:

[X] Well Surety ID: 20100017 [] 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: 3200 , public road: 3409 , above ground utilit: 3200
, railroad: 9768 , property line: 236

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.

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: 55 - Potts Loam 3 to 6 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: 09/16/2010

List individual species: Russian thistle and kosha

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: 543, water well: 2307, depth to ground water: 78

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:

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

Signed: _____ Date: 09/20/2010 Email: miracle.pfister@encana.com

Print Name: Miracle Pfister Title: Regulatory Analyst

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

David S. Neslin

COGCC Approved: _____

Director of COGCC

Date: 11/18/2010

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.

Reserve pit (if constructed) must be lined or closed loop system (which EnCana has already indicated on the Form 2A) must be implemented during drilling.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures sufficiently protective of nearby surface water. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.

Operator must implement best management practices to contain any unintentional release of fluids.

Attachment Check List

Att Doc Num	Name	Doc Description
2033410	NRCS MAP UNIT DESC	LF@2599927 2033410
2033429	PROPOSED BMPs	LF@2599926 2033429
2033430	PROPOSED BMPs	LF@2599925 2033430
2033446	CORRESPONDENCE	LF@2599924 2033446
400093481	FORM 2A SUBMITTED	LF@2544858 400093481
400093857	LOCATION PICTURES	LF@2544859 400093857
400093858	LOCATION DRAWING	LF@2544860 400093858
400093859	HYDROLOGY MAP	LF@2544861 400093859
400093860	ACCESS ROAD MAP	LF@2544862 400093860
400093861	REFERENCE AREA PICTURES	LF@2544863 400093861
400093862	NRCS MAP UNIT DESC	LF@2544864 400093862
400093863	CONST. LAYOUT DRAWINGS	LF@2544865 400093863
400093865	MULTI-WELL PLAN	LF@2544866 400093865
400093866	PROPOSED BMPs	LF@2544867 400093866

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	MIRACLE SUBMITTED A SUNDRY TO ABANDON LOCATION ON THE SATTERFIELD 10-3D (C10OU) SUPPORTING THE TOTAL OF 17 WELLS ON THIS LOCATION. Hello! I looked at this and talked to our Geologist and Dev group on their plans for the Satterfield 10-3D and we will not be using this APD and I will submit a abandon location sundry in the next few days. There should actually be 18 wells listed on Section 111 #1 after we abandon this one because there are 7 existing listed on the detailed multi well plan and 11 new. Sorry for the confusion.Thanks, Miracle Pfister	11/11/2010 8:06:10 AM
Permit	On the Construction Layout drawings the Satterfield 10-3D (C10OU) is not spotted. That would be a total of 18 proposed or actual wells on this pad, Section III #1. states 17 wells. Please verify this number.	11/9/2010 7:39:36 AM
Permit	WO INF FROM OPERATOR concerning two horizontal boreholes are less than 600" from the uncommitted tract within exploatory unit, clarification requested. BY	10/25/2010 9:19:47 AM
OGLA	Initiated/Completed OGLA Form 2A review on 09-21-10 by Dave Kubeczko; requested clarifications and acknowledgement of close SW fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill COAs from operator on 09-21-10; received clarifications and acknowledgement of COAs from operator on 09-29-10; changed to sensitive area; change depth to GW to 78' bgs; no CDOW; passed OGLA Form 2A review on 10-12-10 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill COAs.	9/21/2010 4:15:04 PM
Permit	400093481--add comment location incorrectly marked as Rio Blanco County	9/21/2010 2:53:03 PM
Agency	The reference area is adjacent to the pad and a reference area map is not required. The reference area is to the west of the pad. The SDA will be attached to the APDs submitted.	

Total: 6 comment(s)

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