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State of Colorado Oil and Gas Conservation Commission

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

FOR OGCC USE ONLY

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COGCC**EARTHEN PIT REPORT/PERMIT**

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days, is required for pits. Submit required attachments and forms.

Complete the
Attachment Checklist

Oper OGCC

FORM SUBMITTED FOR:☒ **Pit Report**☐ **Pit Permit**

Detailed Site Plan	✓	
Topo Map w/ Pit Location	✓	
Water Analysis (Form 25)	✓	
Source Wells (Form 26)		
Pit Design/Plan & Cross Sect	✓	
Design Calculations		
Sensitive Area Determ.		
Mud Program		
Form 2A	✓	

OGCC Operator Number: 10071

Name of Operator: Bill Barrett Corporation

Address: 1099 18th Street, Suite 2300

City: Denver State: CO Zip: 80127

Contact Name and Telephone:

Matt Barber

No: (303) 312-8168

Fax: (303) 291-0420

API Number (of associated well): 05-045-14096

OGCC Facility ID (of other associated facility):

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SESW, Sec. 6, T7S, R91W, 6th P.M.

Latitude: 39.469664

Longitude: 107.599558

County: Garfield

Pit Use: ☐ Production ☐ Drilling (Attach mud program) ☒ Special Purpose (Describe Use): Frac/Flowback PitPit Type: ☒ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☐ NoOffsite disposal of pit contents: ☐ Injection ☒ Commercial Pit/Facility Name: Miller 14A-6-791 Pit/Facility No:

Attach Form 26 to identify Source Wells and Form 25 to provide Produced Water Analysis results.

Existing Site ConditionsIs the location in a "Sensitive Area?" ☐ Yes ☒ No Attach data used for determination.

Distance (in feet) to nearest surface water: 2926' ground water: 75' water wells: 2606'

LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:Crop Land: ☐ Irrigated ☐ Dry Land ☐ Improved Pasture ☐ Hay Meadow ☐ CRPNon-Crop Land: ☐ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe):Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

SOILS (or attach copy of Form 2A if previously submitted for associated well)

Soil map units from USNRCS survey: Sheet No: Soil Complex/Series No:

Soils Series Name: Horizon thickness (in inches): A: B: C:

Soils Series Name: Horizon thickness (in inches): A: B: C:

Attach detailed site plan and topo map with pit location.

Pit Design and Construction

Size of pit (feet): Length: 370' Width: 110' Depth: 10'

Calculated pit volume (bbls): 56,000 Daily inflow rate (bbls/day): 20,000 maximum

Daily disposal rates (attach calculations): Evaporation: N/A bbls/day Percolation: N/A bbls/day

Type of liner material: PVC Synthetic Liner Thickness: 24 millimeter

Attach description of proposed design and construction (include sketches and calculations).

Method of treatment of produced water prior to discharge into pit (separator, heater treater, other): Separator

Is pit fenced? ☒ Yes ☐ No Is pit netted? ☐ Yes ☒ No

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

Print Name: Matt Barber

Signed: *Matt Barber*

Title: Permit Analyst

Date: 03/15/2009

OGCC Approved: *[Signature]*

Title: EPS

Date: 4/6/09

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

374700

OPERATOR MUST ENSURE 110 PERCENT SECONDARY CONTAINMENT FOR ANY VOLUME OF FLUIDS CONTAINED AT WELL SITE DURING DRILLING AND COMPLETION OPERATIONS. IF FLUIDS ARE CONVEYED VIA PIPELINE, OPERATOR MUST IMPLEMENT BEST MANAGEMENT PRACTICES TO CONTAIN ANY UNINTENTIONAL RELEASE OF FLUIDS.

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Silt ±8.1 mi.

Proposed Access ±245'

±0.4 mi.

Proposed Location
Well Pad (Miller Land
Pad #6)

BILL BARRETT
B CORP.

Well Pad (Miller Land Pad 6)
SEC. 6, T7S, R91W, 6th P.M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: mw
DATE: 02-23-07

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"
SHEET
10
OF 11

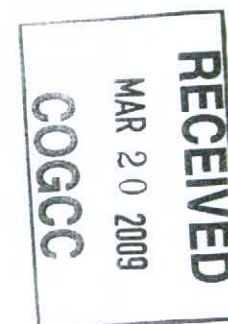


Client:
Tested By:

Bill Barrett
Allison Flood

WATER ANALYSIS REPORT

	12/5/2008			
Well	Miller 14A-6-791 PAD			
Location of sample				
Collection date	12/4/2008			
Temp (°F)	66			
pH	8.0			
Specific Gravity	1.020			
Chlorides (mg/l)	4899			
Iron (mg/l)	0			
Bicarbs (mg/l)	2562			
Carbonates (mg/l)	360			
Hydroxides (mg/l)	0			
Calcium (mg/l)	240			
Magnesium (mg/l)	0			
Sulfates (mg/l)	150			
Sodium (mg/l)	4167			
Potassium (mg/l)	450			
TDS (mg/l)	12138			
% KCl (Chlorides)	1.02			
% KCl (strip test)	0.45			
Resistivity	0.52			
Carbohydrates	0.00			



BILL BARRETT CORP.

ADDENDUM TO LEGAL PLATS FOR

WELL PAD (MILLER PAD #6) AS-BUILT

Section 6, T7S, R91W, 6th P.M.

Existing Wells: MILLER 14A-6-791, 14B-6-791,

14C-6-791 & 14D-6-791

Proposed Wells: MILLER 24A-6-791, 34A-6-791,

34B-6-791, 34C-6-791, 34D-6-791, 24B-6-791,

24C-6-791 & 24D-6-791

MILLER FEDERAL 23A-6-791

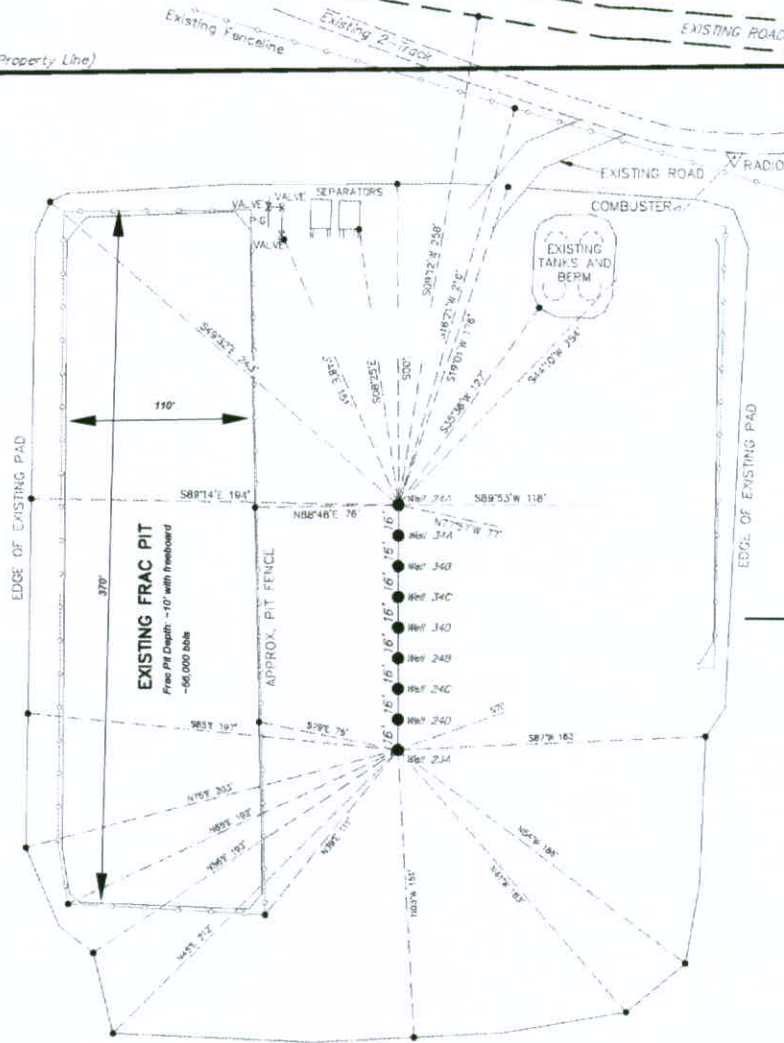
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Sec. 7 Section Line (Property Line)

Sec. 6



SURFACE USE OF THE PROPOSED WELL SITE		
<input type="checkbox"/> CROP LAND	<input checked="" type="checkbox"/> NON-CROP LAND	<input type="checkbox"/> SUBDIVIDED
<input type="checkbox"/> IRRIGATED	<input type="checkbox"/> RANGELAND	<input type="checkbox"/> INDUSTRIAL
<input type="checkbox"/> DRY LAND	<input type="checkbox"/> TIMBER	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> IMPROVED PASTURE	<input type="checkbox"/> RECREATIONAL	<input type="checkbox"/> RESIDENTIAL
<input type="checkbox"/> HAY MEADOW	<input type="checkbox"/> OTHER (Describe)	
<input type="checkbox"/> CRP		

PROPOSED WELL SITE VEGETATION
Vegetation consists of Cedar Trees, Sagebrush & No
0 50 100
FEET

SURVEYED BY: C.D.S. DATE SURVEYED: 01-17-08
 DRAWN BY: D.COX DATE DRAWN: 01-18-08
 SCALE: 1" = 60' REVISED: F.T.M. 04-29-08

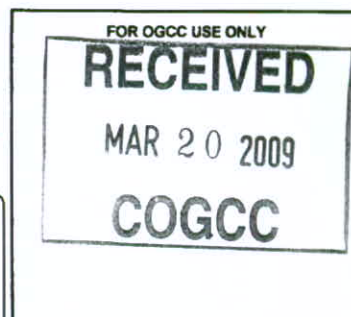
Tri State
 Land Surveying, Inc.
 180 NORTH JERNAL AVE. JERNAL, UTAH 84078

SHEET
 21
 OF 11



State of Colorado
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DRILL SITE/ACCESS ROAD RECLAMATION FORM

This form shall be submitted in duplicate with the application for permit-to-drill (OGCC Form 2) unless a Federal 13-point surface plan is included. Also required are a minimum of two photographs (site and access road). Soil and plant community information is from United States Natural Resources Conservation Services (USNRCS).

1. OGCC Operator Number: <u>10071</u>		4. Contact Name and Telephone: <u>Matt Barber</u>		Complete the Attachment Checklist	
2. Name of Operator: <u>Bill Barrett Corporation</u>		No: (303) 312-8168			
3. Address: <u>1099 18th Street, Suite 2300</u>		Fax: (303) 291-0420		Drill site and access photographs <input checked="" type="checkbox"/>	
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>				COE Section 404 documentation <input type="checkbox"/>	
5. Well Name and No.: <u>Miller 14A-6-791</u>		6. County: <u>Garfield</u>			
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>SESW - 6 - 7S91W 6th PM</u>					

Pre-Drilling Information
Current Land Use

8. Crop Land:	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Dry Land	<input type="checkbox"/> Improved Pasture	<input type="checkbox"/> Hay Meadow	<input type="checkbox"/> CRP
9. Non-Crop Land:	<input checked="" type="checkbox"/> Rangeland	<input type="checkbox"/> Timber	<input type="checkbox"/> Recreational	<input type="checkbox"/> Other (describe): _____	
10. Subdivided:	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Residential		

Attach color photographs of drill site and access road; identify each photo by date, well name and location.

Soils

11. Soil map units from USNRCS survey: Sheet No: <u>18</u> Soil Complex/Series No: <u>56</u>	
Soils Series Name: <u>Potts Loam, 6-12% slopes</u>	Horizon thickness (in inches): A: _____ B: _____ C: _____
Soils Series Name: _____	Horizon thickness (in inches): A: _____ B: _____ C: _____

Plant Community

Complete this section only if operations are to be conducted upon non-crop land.

12. Plant species from: ☐ USNRCS or ☒ Field Observation Date of observation: 10/17/2006

List individual species: _____

13. Check one predominant plant community for the drill site:

<input type="checkbox"/> Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye, Thistle)
<input checked="" type="checkbox"/> Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
<input type="checkbox"/> Shrub and Brush Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
<input type="checkbox"/> Plains Deciduous Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
<input type="checkbox"/> Mountain Conifer Riparian (Spruce, Fir, Ponderosa Pine)
<input type="checkbox"/> Evergreen Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon)
<input type="checkbox"/> Aquatic (Bullrush, Sedges, Cattail, Arrowhead)
<input type="checkbox"/> Tundra (Alpine, Willow, Currant, Raspberry)
<input type="checkbox"/> Other (describe): _____

14. Was an Army Corps of Engineers Section 404 Permit filed? ☐ Yes ☒ No If yes, attach appropriate documentation.

Comments:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions which presently exist, that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Matt Barber

Signed: _____ Title: Permit Analyst Date: 04/16/2007