

PB15

FORM 15 Rev 6/99

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 601, Denver, Colorado 80203 (303)894-2100 Fax: (303)894-2109



FOR OGCC USE ONLY

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

FORM SUBMITTED FOR:

Pit Report [checked] Pit Permit

Attachment Checklist table with columns for 'Oper' and 'OGCC' and rows for various forms like Detailed Site Plan, Topo Map, etc.

OGCC Operator Number: 100185
Name of Operator: ENCANA OIL & GAS (USA) INC
Address: 370 17TH ST, STE 1700
City: DENVER State: CO Zip: 80202

Contact Name and Telephone: MIRACLE PFISTER
No: 720-876-3761
Fax: 720-876-6060

API Number (of associated well): 05-045-17046-00 OGCC Facility ID (of other associated facility):
Pit Location (Qtr/Gr, Sec, Twp, Rng, Meridian): NWNE SEC 15 T7S R9SW 6TH PM
Latitude: 39.44281 Longitude: 107.98237 County: GARFIELD
Pit Use: Production [checked] Drilling [checked] Special Purpose [checked]
Pit Type: Lined [checked] Un-lined [checked] Surface Discharge Permit: Yes [checked] No [checked]

Existing Site Conditions

Is the location in a Sensitive Area? Yes [checked] No [checked]
Distance (in feet) to nearest surface water: ground water: water wells:
LAND USE (or attach copy of Form 2A if previously submitted for associated well) Select one which best describes land use:
Crop Land: Irrigated [checked] Dry Land [checked] Improved Pasture [checked] Hay Meadow [checked] CRP [checked]
Non-Crop Land: Rangeland [checked] Timber [checked] Recreational [checked] Other (describe):
Soil Subdivided: Industrial [checked] Commercial [checked] Residential [checked]
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:

Pit Design and Construction

Size of pit (feet): Length: 205' Width: 60' Depth: 20'
Calculated pit volume (bbls): 20,310 Daily inflow rate (bbls/day): 9-15,000 (VARIES)
Daily disposal rates (attach calculations): Evaporation: MINIMAL/NONE bbls/day Percolation: NONE bbls/day
Type of liner material: REINFORCED POLY Thickness: 24 mm
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 [checked] No [checked] Is pit netted? Yes [checked] No [checked]

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.
Print Name: Miracle Pfister Signed: Miracle Pfister
Title: Regulatory Analyst Date: 3/25/2006

OGCC Approved: Chris Coryfield Title: EPS - NW Area Date: 5/1/09

CONDITIONS OF APPROVAL, IF ANY: FACILITY NUMBER:

# 334653

FORM  
**15**  
Rev 6/99

State of Colorado  
**Oil and Gas Conservation Commission**



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

Contact Name and Telephone:  
MIRACLE PFISTER  
No: 720-876-3761  
Fax: 720-876-6060

API Number (of associated well): 05-045-17046-00 OGCC Facility ID (of other associated facility): \_\_\_\_\_

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNE SEC 15 T7S-R95W 6TH PM

Latitude: 39.44281 Longitude: 107.98237 County: GARFIELD

Pit Use:  Production  Drilling (Attach mud program)  Special Purpose (Describe Use): STAGING TREATED WATER FOR RE-USE

Pit Type:  Lined  Unlined Surface Discharge Permit:  Yes  No

Offsite disposal of pit contents:  Injection  Commercial Pit/Facility Name: \_\_\_\_\_ Pit/Facility No: \_\_\_\_\_

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

**Existing Site Conditions**

Is the location in a "Sensitive Area?"  Yes  No **Attach data used for determination.**

Distance (in feet) to nearest surface water: \_\_\_\_\_ ground water: \_\_\_\_\_ water wells: \_\_\_\_\_

**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  CRP

Non-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 form 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: 205' Width: 60' Depth: 20'

Calculated pit volume (bbls): 20,310 Daily inflow rate (bbls/day): 0-15,000 (VARIES)

Daily disposal rates (attach calculations): Evaporation: MINIMAL/NONE bbls/day Percolation: NONE bbls/day

Type of liner material: REINFORCED POLY Thickness: 16 mm

**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: Miracle Pfister Signed: Miracle Pfister

Title: Regulatory Analyst Date: 3/25/2009

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

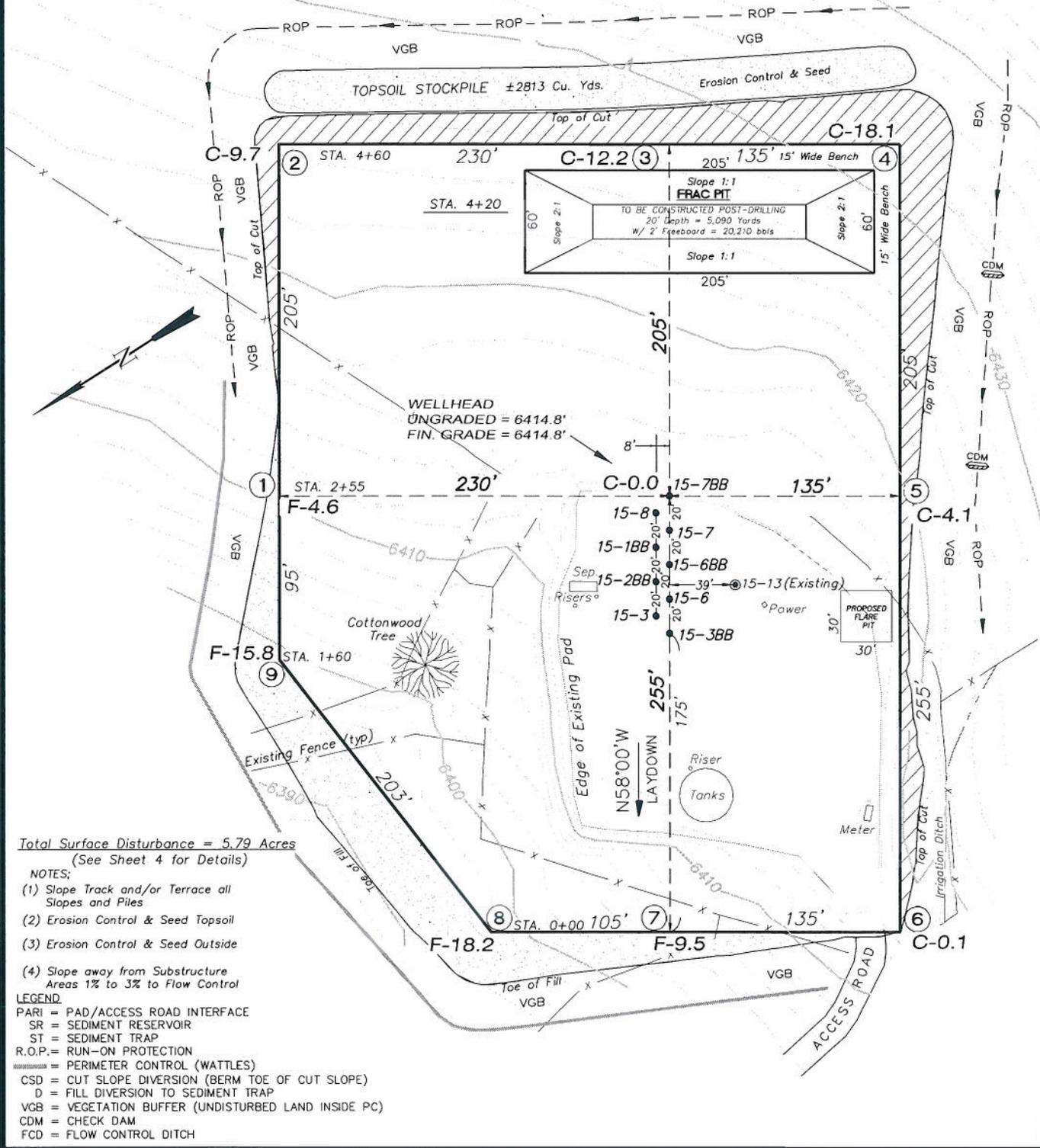
CONDITIONS OF APPROVAL, IF ANY:

**FACILITY NUMBER:**

# EnCana Oil & Gas (USA) Inc.

## PB-15 Well Pad

SECTION 15, T 7 S, R 95 W, 6th P.M.



Total Surface Disturbance = 5.79 Acres  
(See Sheet 4 for Details)

- NOTES:
- (1) Slope Track and/or Terrace all Slopes and Piles
  - (2) Erosion Control & Seed Topsoil
  - (3) Erosion Control & Seed Outside
  - (4) Slope away from Substructure Areas 1% to 3% to Flow Control

- LEGEND
- PARI = PAD/ACCESS ROAD INTERFACE
  - SR = SEDIMENT RESERVOIR
  - ST = SEDIMENT TRAP
  - R.O.P. = RUN-ON PROTECTION
  - = PERIMETER CONTROL (WATTLES)
  - CSD = CUT SLOPE DIVERSION (BERM TOE OF CUT SLOPE)
  - D = FILL DIVERSION TO SEDIMENT TRAP
  - VGB = VEGETATION BUFFER (UNDISTURBED LAND INSIDE PC)
  - CDM = CHECK DAM
  - FCD = FLOW CONTROL DITCH

**WASATCH SURVEYING**  
 (SCALE IN FEET)  
 906 Main Street  
 Evanston, Wyoming 82930  
 Phone No. (307) 789-4545

<b>Well Pad Layout</b>		<b>Scale: 1" = 80'</b>	<b>SHEET</b>
Project No.	07-04-107	Date Surveyed:	09/27/07
Date Drawn:	1/25/08	Latest Revision Date:	2/26/09
			<b>3</b>
			<b>OF 10</b>

State of Colorado  
**Oil and Gas Conservation Commission**



FOR OGCC USE ONLY

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

**WATER ANALYSIS REPORT FORM**

<b>OGCC Operator Number:</b> <u>100185</u> <b>Name of Operator/Owner:</b> <u>ENCANA OIL &amp; GAS (USA) INC.</u> <b>Address:</b> <u>370 17TH STREET, SUITE 1700</u> <b>City:</b> <u>DENVER</u> <b>State:</b> <u>CO</u> <b>Zip:</b> <u>80202</u>	<b>Contact Name and Telephone</b> <u>Miracle Pfister</u> <b>No:</b> <u>720-876-3761</u> <b>Fax:</b> <u>720-876-6060</u>	<p align="center"><b>Complete the Attachment Checklist</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td align="center">Opr</td> <td align="center">OGCC</td> </tr> <tr> <td>Analysis Attached</td> <td align="center"><input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>Sample Location Map Attached</td> <td></td> <td></td> </tr> <tr> <td> </td> <td></td> <td></td> </tr> </table>		Opr	OGCC	Analysis Attached	<input checked="" type="checkbox"/>		Sample Location Map Attached					
	Opr	OGCC												
Analysis Attached	<input checked="" type="checkbox"/>													
Sample Location Map Attached														

**Form Submitted for:**  UIC  PIT  SPILL  OTHER (describe): \_\_\_\_\_

**SAMPLE POINT INFORMATION**

Date Sample(s) Taken: 6/4/2008  
 Sample Point Description: HIGH MESA TREATMENT FACILITY  
 Sample Point Identification Number (if water well, enter permit number): \_\_\_\_\_  
 If Well, API Number: \_\_\_\_\_ Well Name: \_\_\_\_\_ Well Number: \_\_\_\_\_  
 QtrQtr: SENW Section: 36 Township: 7S Range: 96W Meridian: 6TH  
 Footage from Exterior Section Lines: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ County: GARFIELD  
 Field Name: PARACHUTE Field Number: 67350  
 Name of Laboratory: Environmental Science Corp. Phone: 615-758-5858  
 Water Source (choose one):  Oil Well  Gas Well  UIC  Monitor Well  Stream  Pond  
 Tank  Stock Well  Domestic Well  Pit  Irrigation Well  Other: \_\_\_\_\_  
 If Wellsite, Where was Sample Collected? (choose one):  Drill Stem  Tank  Separator  Flow Line  Bailer  Pit  Other: \_\_\_\_\_

**Check one:**  **FIELD MEASUREMENTS**  **LABORATORY MEASUREMENTS**

Resistivity: \_\_\_\_\_ ohm-meters \_\_\_\_\_ deg.F ...and/or... Conductivity: 29000 umhos/cm Temperature 69.44 deg.F  
 pH: 7.3 pH units Dissolved Oxygen: \_\_\_\_\_ mg/l

**MAJOR ANIONS AND CATIONS and Other Laboratory Parameters**

Ca, Dissolved <u>140</u> mg/l	Chlorides <u>9900</u> mg/l	Alkalinity, Total as CaCO <sub>3</sub> <u>1700</u> mg/l
Mg, Dissolved <u>22</u> mg/l	Sulfates <u>BDL</u> mg/l	HCO <sub>3</sub> <u>1700</u> mg/l
Na, Dissolved <u>7100</u> mg/l	Fe, Dissolved <u>0.72</u> mg/l	Sulfide, as H <sub>2</sub> S <u>6.3</u> mg/l
Ba, Dissolved <u>43</u> mg/l		
Total Dissolved Solids <u>18000</u> mg/l	<input checked="" type="checkbox"/> Measured <input type="checkbox"/> Calculated (check one)	

**BTEX NOTE: For results below the detection limit, enter code and detection limit.**

Benzene: 750 ug/l Ethylbenzene: 88 ug/l Toluene: 2200 ug/l Xylenes: 2400 ug/l  
 Limit: 5 Code: \_\_\_\_\_ Limit: 5 Code: \_\_\_\_\_ Limit: 500 Code: \_\_\_\_\_ Limit: 15 Code: \_\_\_\_\_

**OTHER ANALYSES**

GAS	ISOTOPES	BACTERIA	NORM	DISSOLVED METALS
<b>Free Gas</b>				
Methane _____ mole %	Carbon 13 _____ o/oo	Sulfate Reducing Present <input type="checkbox"/> Absent <input type="checkbox"/>	Alpha Emitters _____ pCi/l	Arsenic _____ mg/l
Ethane _____ mole %	Deuterium _____ o/oo	Iron Bacteria <input type="checkbox"/> <input type="checkbox"/>	Beta Photon _____ pCi/l	Cadium _____ mg/l
Propane _____ mole %		Slime Forming <input type="checkbox"/> <input type="checkbox"/>	Emitters	Chromium _____ mg/l
N. Butane _____ mole %		Coliform <input type="checkbox"/> <input type="checkbox"/>		Cyanide _____ mg/l
N. Pentane _____ mole %				Fluoride _____ mg/l
N. Hexane _____ mole %				Lead _____ mg/l
O <sub>2</sub> /N <sub>2</sub> /Air _____ mole %				Mercury _____ mg/l
CO <sub>2</sub> _____ mole %				Selenium _____ mg/l
<b>Dissolved Gas</b>				Silver _____ mg/l
olved Methane _____ mg/l				

Print Name: Miracle Pfister

Signed: Miracle Pfister Title: Permitting Agent Date: 03/31/09



**ENVIRONMENTAL  
SCIENCE CORP.**

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

June 13, 2008

Date Received : June 05, 2008  
Description : Garco Sampling High Mesa 060408 JDE 8235.348 LOE 18410  
Sample ID : HIGH-NP-060408  
Collected By : Brett Middleton  
Collection Date : 06/04/08 14:30

ESC Sample # : L348754-01

Site ID :

Project # : 060408 JDE 8235.348

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Bromide	68.	10.	mg/l	9056	06/06/08	10
Chloride	9900	100	mg/l	9056	06/06/08	100
Fluoride	BDL	5.0	mg/l	9056	06/05/08	50
Nitrate	BDL	5.0	mg/l	9056	06/05/08	50
Nitrite	BDL	5.0	mg/l	9056	06/05/08	50
Sulfate	BDL	5.0	mg/l	9056	06/05/08	1
Alkalinity	1700	100	mg/l	310.2	06/12/08	10
Alkalinity,Bicarbonate	1700	10.	mg/l	310.2	06/12/08	1
Alkalinity,Carbonate	BDL	10.	mg/l	310.2	06/12/08	1
Methane	0.085	0.010	mg/l	3810/RSK175	06/10/08	1
Ammonia Nitrogen	20.	1.0	mg/l	350.1	06/10/08	10
pH	7.3		su	9040C	06/07/08	1
Sulfide	6.3	0.25	mg/l	4500-S2 D	06/11/08	5
Specific Conductance	29000		umhos/cm	9050A	06/12/08	1
Dissolved Solids	18000	10.	mg/l	2540C	06/07/08	1
Arsenic,Dissolved	BDL	0.020	mg/l	6010B	06/09/08	1
Barium,Dissolved	43.	0.0050	mg/l	6010B	06/09/08	1
Cadmium,Dissolved	BDL	0.0050	mg/l	6010B	06/09/08	1
Calcium,Dissolved	140	0.50	mg/l	6010B	06/09/08	1
Chromium,Dissolved	BDL	0.010	mg/l	6010B	06/09/08	1
Copper,Dissolved	BDL	0.020	mg/l	6010B	06/09/08	1
Iron,Dissolved	0.72	0.10	mg/l	6010B	06/09/08	1
Lead,Dissolved	BDL	0.0050	mg/l	6010B	06/09/08	1
Magnesium,Dissolved	22.	0.10	mg/l	6010B	06/09/08	1
Manganese,Dissolved	0.47	0.010	mg/l	6010B	06/09/08	1
Potassium,Dissolved	52.	0.50	mg/l	6010B	06/09/08	1
Selenium,Dissolved	BDL	0.020	mg/l	6010B	06/09/08	1
Silver,Dissolved	BDL	0.010	mg/l	6010B	06/09/08	1
Sodium,Dissolved	7100	5.0	mg/l	6010B	06/12/08	10
Benzene	0.750	0.0050	mg/l	8021/8015	06/11/08	10
Toluene	2.2	0.050	mg/l	8021/8015	06/11/08	10
Ethylbenzene	0.088	0.0050	mg/l	8021/8015	06/11/08	10
Total Xylene	2.4	0.015	mg/l	8021/8015	06/11/08	10
Methyl tert-butyl ether	BDL	0.010	mg/l	8021/8015	06/11/08	10
TPH (GC/FID) Low Fraction	16.	1.0	mg/l	TNGRO	06/11/08	10

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
L348754-01 (PH) - 7.3@20.8c  
L348754-01 (ANIONS BY IC) - diluted, chloride interference



ENVIRONMENTAL  
SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Brett Middleton  
Encana  
2717 Co. Rd. 215  
Parachute, CO 81635

June 13, 2008

Date Received : June 05, 2008

ESC Sample # : L348754-01

Description : Garco Sampling High Mesa 060408 JDE 8235.348 LOE 18410

Site ID :

Sample ID : HIGH-NP-060408

Project # : 060408 JDE 8235.348

Collected By : Brett Middleton

Collection Date : 06/04/08 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate Recovery (70-130)						
a,a,a-Trifluorotoluene(FID)	104.		% Rec.	8021/8015	06/11/08	10
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	06/11/08	10

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 06/13/08 09:49 Printed: 06/13/08 09:49

L348754-01 (PH) - 7.3@20.8c

L348754-01 (ANIONS BY IC) - diluted, chloride interference

State of Colorado Oil and Gas Conservation Commission



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SOURCE OF PRODUCED WATER FOR DISPOSAL

This form must be completed for any new disposal site and for any change in sources of produced water for an existing disposal site.

OGCC Operator Number: 100185
Name of Operator: EnCana Oil & Gas (USA) Inc.
Address: 370 17th Street, Suite 1700
City: Denver State: CO Zip: 80202
Contact Name and Telephone: Miracle Pfister
No: 720-876-3761
Fax: 720-876-6060

Attachment Checklist table with columns for Oper and OGCC, and rows for chemical analysis of fluids.

If more space is required, attach additional sheet.

OGCC DISPOSAL FACILITY NUMBER:
Operator's Disposal Facility Name: PB15
Operator's Disposal Facility Number:
Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNE SEC 15 T7S-R95W 6TH PM
Address:
City: PARACHUTE State: CO Zip: County: GARFIELD

Add Source: [X] OGCC Lease Number: API No.: 149013 Well Name & No.: HIGH MESA WATER TREATMENT FACILITY
Operator Name: ENCANA OIL & GAS (USA) INC Operator Number: 100185
Delete Source: [ ] Location: QtrQtr: SENW Section: 36 Township: 7S Range: 96W Producing Formation:
Analysis attached? [ ] Yes [X] No Transported to disposal site via: [X] Pipeline [X] Truck TDS:

Add Source: [ ] OGCC Lease Number: API No.: Well Name & No.:
Operator Name: Operator Number:
Delete Source: [ ] Location: QtrQtr: Section: Township: Range: Producing Formation:
Analysis attached? [ ] Yes [ ] No Transported to disposal site via: [ ] Pipeline [ ] Truck TDS:

Add Source: [ ] OGCC Lease Number: API No.: Well Name & No.:
Operator Name: Operator Number:
Delete Source: [ ] Location: QtrQtr: Section: Township: Range: Producing Formation:
Analysis attached? [ ] Yes [ ] No Transported to disposal site via: [ ] Pipeline [ ] Truck TDS:

Add Source: [ ] OGCC Lease Number: API No.: Well Name & No.:
Operator Name: Operator Number:
Delete Source: [ ] Location: QtrQtr: Section: Township: Range: Producing Formation:
Analysis attached? [ ] Yes [ ] No Transported to disposal site via: [ ] Pipeline [ ] Truck TDS:

Add Source: [ ] OGCC Lease Number: API No.: Well Name & No.:
Operator Name: Operator Number:
Delete Source: [ ] Location: QtrQtr: Section: Township: Range: Producing Formation:
Analysis attached? [ ] Yes [ ] No Transported to disposal site via: [ ] Pipeline [ ] Truck TDS:

Add Source: [ ] OGCC Lease Number: API No.: Well Name & No.:
Operator Name: Operator Number:
Delete Source: [ ] Location: QtrQtr: Section: Township: Range: Producing Formation:
Analysis attached? [ ] Yes [ ] No Transported to disposal site via: [ ] Pipeline [ ] Truck TDS:

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

Signed: [Signature] Title: Regulatory Analyst Date: 03/30/2009

OGCC Approved: Title: Date:

Conditions of Approval, if any:

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

**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 from United States Natural Resources Conservation Services (USNRCS).

1. OGCC Operator Number: 100185  
 2. Name of Operator: ENCANA OIL & GAS (USA) INC.  
 3. Address: 370 17TH STREET, SUITE 1700  
 City: DENVER State: CO Zip: 80202  
 4. Contact Name and Telephone:  
DeAnne Spector  
 No: DS 720-876-5826  
 Fax: 720-876-6060  
 5. Well Name and No: Clem Fed 15-3 Well Pad PB 15 6. County: Garfield  
 7. Location (QtrQtr, Sec, Twp, Rng, Meridian): NW/4NE/4 15 7 South 95 West 6TH

**Complete the Attachment Checklist**

	Oper	OGCC
Drill site and access photographs		
GDE Section 404 documentation		

**Pre-Drilling Information  
Current Land Use**

8. Crop Land:  Irrigated  Dry Land  Improved Pasture  Hay Meadow  CRP  
 9. Non-crop land:  Rangeland  Timber  Recreational  Other (describe): \_\_\_\_\_  
 10. Subdivided:  Industrial  Commercial  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: 15 Soil Complex/Series No 56  
 Soils Series name: Potts Loam Horizon thickness (in inches): A: 8 24 60  
 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: \_\_\_\_\_  
 List individual species: \_\_\_\_\_  
 13. Check one predominant plant community for the drill site:  
 Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye, Thistle)  
 Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)  
 Shrub and Brush Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)  
 Plains Deciduous Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)  
 Mountain Conifer Riparian (Spruce, Fir, Ponderosa Pine)  
 Evergreen Foest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon)  
 Aquatic (Bullrush, Sedges, Cattail, Arrowhead)  
 Tundra (Alpine, Willow, Currant, Raspberry)  
 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: \_\_\_\_\_ John Doose  
 Signed: John Doose Title: Consulting Landman Date: 04/16/08