

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 ☒ Pit Permit

OGCC Operator Number: 100185	Contact Name and Telephone: MIRACLE PFISTER No: 720-876-3761 Fax: 720-876-6060	<table border="1"> <thead> <tr> <th></th> <th>Oper</th> <th>OGCC</th> </tr> </thead> <tbody> <tr> <td>Detailed Site Plan</td> <td>✓</td> <td></td> </tr> <tr> <td>Topo Map w/ Pit Location</td> <td>✓</td> <td></td> </tr> <tr> <td>Water Analysis (Form 25)</td> <td>✓</td> <td></td> </tr> <tr> <td>Source Wells (Form 26)</td> <td>✓</td> <td></td> </tr> <tr> <td>Pit Design/Plan & Cross Sec</td> <td>✓</td> <td></td> </tr> <tr> <td>Design Calculations</td> <td>✓</td> <td></td> </tr> <tr> <td>Sensitive Area Determ.</td> <td></td> <td></td> </tr> <tr> <td>Mud Program</td> <td></td> <td></td> </tr> <tr> <td>Form 2A</td> <td>✓</td> <td></td> </tr> </tbody> </table>		Oper	OGCC	Detailed Site Plan	✓		Topo Map w/ Pit Location	✓		Water Analysis (Form 25)	✓		Source Wells (Form 26)	✓		Pit Design/Plan & Cross Sec	✓		Design Calculations	✓		Sensitive Area Determ.			Mud Program			Form 2A	✓	
	Oper		OGCC																													
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Name of Operator: ENCANA OIL & GAS (USA) INC																																
Address: 370 17TH ST, STE 1700																																
City: DENVER State: CO Zip: 80202																																
API Number (of associated well): 05-045-17046-00	OGCC Facility ID (of other associated facility):																															
Pit Location (Qtr/Sec, Twp, Rng, Meridian): NWNE SEC 15 T7S R95W 6TH PM																																
Latitude: 39.44281 Longitude: 107.98237 County: GARFIELD																																
Pit Use: <input type="checkbox"/> Production <input type="checkbox"/> Drilling (Attach mud program) <input checked="" type="checkbox"/> Special Purpose (Describe Use): STAGING TREATED WATER FOR RE-USE Pit Type: <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Surface Discharge Permit: <input type="checkbox"/> Yes <input type="checkbox"/> No Offsite disposal of pit contents: <input type="checkbox"/> Injection <input type="checkbox"/> 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 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: 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: 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 ☐ 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: 3/25/2006

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

CONDITIONS OF APPROVAL, IF ANY:

FACILITY NUMBER:

334653

State of Colorado
Oil and Gas Conservation Commission

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**Complete the
Attachment Checklist**

Oper OGCC

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	✓	

FORM SUBMITTED FOR:

☐ Pit Report

☒ Pit Permit

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-R9SW 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-USEPit Type: ☒ Lined ☐ Unlined Surface Discharge Permit: ☐ Yes ☐ NoOffsite 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 ☐ 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 form USNRCS survey: Sheet No: Soil Complex/Series No:

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

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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:

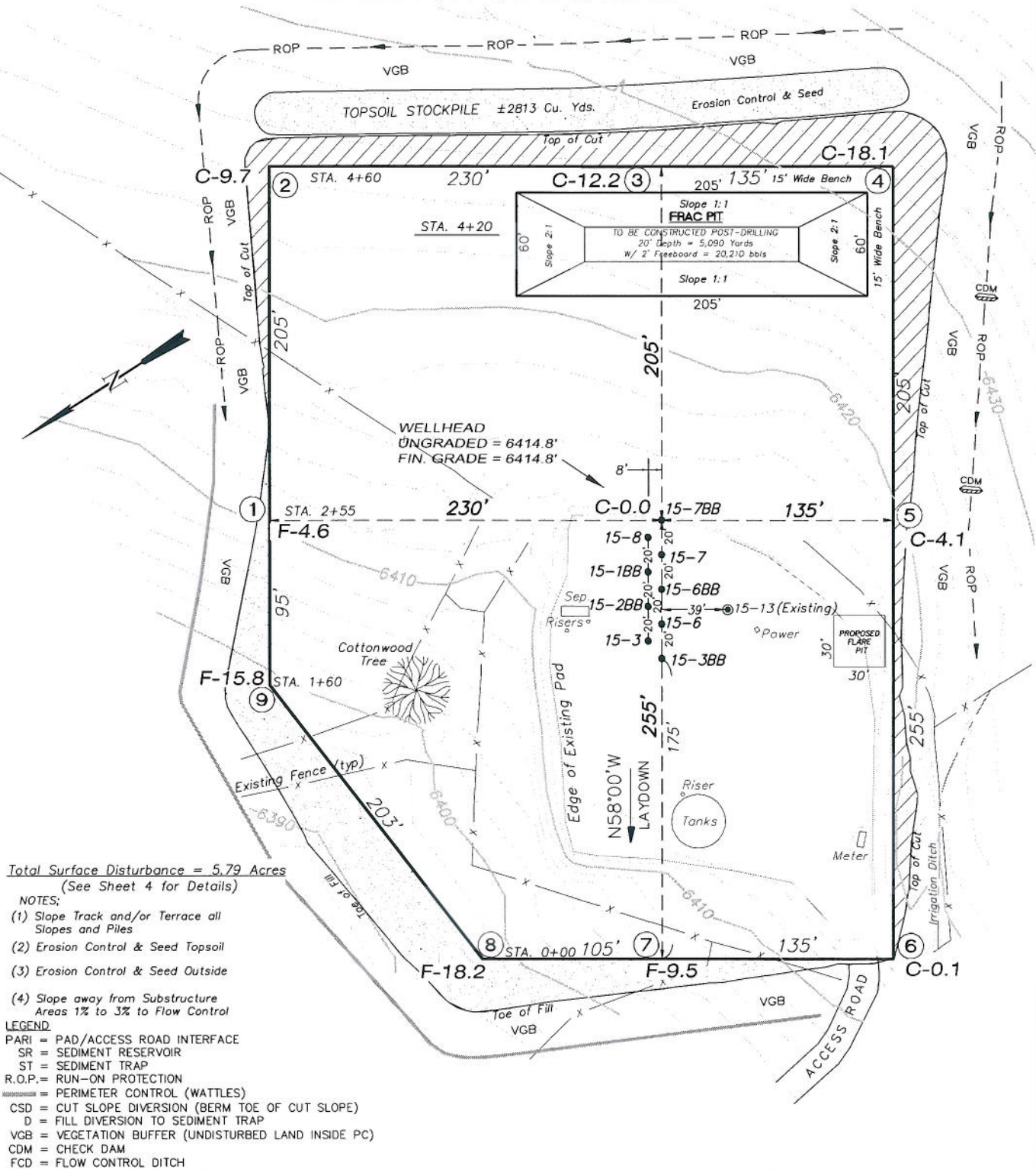
CONDITIONS OF APPROVAL, IF ANY:

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



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

Well Pad Layout

Project No. 07-04-107
Date Drawn: 1/25/08

Scale: 1" = 80'

Date Surveyed: 09/27/07
Latest Revision Date: 2/26/09

SHEET

3

OF 10

State of Colorado
Oil and Gas Conservation Commission

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

WATER ANALYSIS REPORT FORM

OGCC Operator Number: 100185	Contact Name and Telephone Miracle Pfister	Complete the Attachment Checklist <table border="1"><thead><tr><th></th><th>Opr</th><th>OGCC</th></tr></thead><tbody><tr><td>Analysis Attached</td><td>X</td><td></td></tr><tr><td>Sample Location Map Attached</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>		Opr	OGCC	Analysis Attached	X		Sample Location Map Attached					
	Opr		OGCC											
Analysis Attached	X													
Sample Location Map Attached														
Name of Operator/Owner: ENCANA OIL & GAS (USA) INC.	No: 720-876-3761													
Address: 370 17TH STREET, SUITE 1700	Fax: 720-876-6060													
City: DENVER State: CO Zip: 80202														

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:
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):
<input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> UIC <input type="checkbox"/> Monitor Well <input type="checkbox"/> Stream <input type="checkbox"/> Pond	<input type="checkbox"/> Tank <input type="checkbox"/> Stock Well <input type="checkbox"/> Domestic Well <input checked="" type="checkbox"/> Pit <input type="checkbox"/> Irrigation Well <input type="checkbox"/> Other:
If Wellsite, Where was Sample Collected? (choose one): <input type="checkbox"/> Drill Stem <input type="checkbox"/> Tank <input type="checkbox"/> Separator <input type="checkbox"/> Flow Line <input type="checkbox"/> Bailer <input type="checkbox"/> Pit <input type="checkbox"/> 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 140 mg/l	Chlorides 9900 mg/l	Alkalinity, Total as CaCO ₃ 1700 mg/l
Mg, Dissolved 22 mg/l	Sulfates BDL mg/l	HCO ₃ 1700 mg/l
Na, Dissolved 7100 mg/l	Fe, Dissolved 0.72 mg/l	Sulfide, as H ₂ S 6.3 mg/l
Ba, Dissolved 43 mg/l		
Total Dissolved Solids 18000 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
Free Gas		Present Absent		
Methane mole %	Carbon 13 o/oo	Sulfate Reducing <input type="checkbox"/> <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 ₂ /N ₂ /Air mole %				Mercury mg/l
CO ₂ mole %				Selenium mg/l
Dissolved Gas				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.

12065 Lebanon Rd.
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Encana
2717 Co. Rd. 215
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June 13, 2008

Date Received : June 05, 2008

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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.
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

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



FOR OGCC USE ONLY

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

Complete the
Attachment Checklist

Oper OGCC

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:	OGCC Lease Number: _____	API No.: <u>149013</u>	Well Name & No.: <u>HIGH MESA WATER TREATMENT FACILITY</u>
<input checked="" type="checkbox"/>	Operator Name: <u>ENCANA OIL & GAS (USA) INC</u>	Operator Number: <u>100185</u>	
Delete Source:	Location: QtrQtr: <u>SENW</u> Section: <u>36</u> Township: <u>7S</u> Range: <u>96W</u>	Producing Formation: _____	
<input type="checkbox"/>	Analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Transported to disposal site via: <input checked="" type="checkbox"/> Pipeline <input checked="" type="checkbox"/> Truck	TDS: _____

Add Source:	OGCC Lease Number: _____	API No.: _____	Well Name & No.: _____
<input type="checkbox"/>	Operator Name: _____	Operator Number: _____	
Delete Source:	Location: QtrQtr: _____ Section: _____ Township: _____ Range: _____	Producing Formation: _____	
<input type="checkbox"/>	Analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	Transported to disposal site via: <input type="checkbox"/> Pipeline <input type="checkbox"/> Truck	TDS: _____

Add Source:	OGCC Lease Number: _____	API No.: _____	Well Name & No.: _____
<input type="checkbox"/>	Operator Name: _____	Operator Number: _____	
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<input type="checkbox"/>	Operator Name: _____	Operator Number: _____	
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<input type="checkbox"/>	Operator Name: _____	Operator Number: _____	
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<input type="checkbox"/>	Analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	Transported to disposal site via: <input type="checkbox"/> Pipeline <input type="checkbox"/> 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: Miracle Pfister 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: <u>100185</u>		4. Contact Name and Telephone: <u>DeAnne Spector</u>	
2. Name of Operator: <u>ENCANA OIL & GAS (USA) INC.</u>		No: <u>DS 720-876-5826</u>	
3. Address: <u>370 17TH STREET, SUITE 1700</u>		Fax: <u>720-876-6060</u>	
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>	
5. Well Name and No: <u>Clem Fed 15-3</u>		6. County: <u>Garfield</u>	
Well Pad <u>PB15</u>			
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): <u>NW/4NE/4 15 7 South 95 West 6TH</u>			

**Complete the
Attachment Checklist**

	Oper	OGCC
Drill site and access photographs		
GDE Section 404 documentation		

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>15</u>	Soil Complex/Series No: <u>56</u>
Soils Series name: <u>Potts Loam</u>	Horizon thickness (in inches): A: <u>8</u> <u>24</u> <u>60</u>
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: <input checked="" type="checkbox"/> USNRCS or <input type="checkbox"/> Field Observation	Date of Observation: _____
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 Foest 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) Other (describe): _____	

14. Was an Army Corps of Engineers Section 404 Permit filed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, attach appropriate documentation.
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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