

# RAILROAD COMMISSION OF TEXAS

Tracking No.: 54935

Status: Work in Progress

Oil and Gas Division

This facsimile W-2 was generated electronically  
from data submitted to the RRC.

API No. 42- 235-35000

7. RRC District No.  
7C

8. RRC Lease No.  
17569

## Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) <b>LIN (WOLFCAMP)</b>		2. LEASE NAME <b>UNIVERSITY 43</b>		9. Well No. <b>1011H</b>	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) <b>EOG RESOURCES, INC.</b>			RRC Operator No. <b>253162</b>		10. County of well site <b>IRION</b>
4. ADDRESS <b>ATTN MIKE FRANCIS P O BOX 2267 MIDLAND, TX 79702-2267</b>					11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain in remarks) <input checked="" type="checkbox"/>
5. If Operator has changed within last 60 days, name former operator					
6a. Location (Section, Block, and Survey) <b>10 , 43 , UL</b>			6b. Distance and direction to nearest town in this county. <b>2.7 MILES W BARNHART</b>		
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. <b>FIELD &amp; RESERVOIR</b>			GAS ID or OIL LEASE #		Oil-O Gas-G
N/A					Well #
13. Type of electric or other log run <b>None</b>			14. Completion or recompletion date <b>05/21/2012</b>		

### SECTION I- POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified infield rules.

15. Date of test		16. No. of hours tested		17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump)			18. Choke size	
19. Production during Test Period		Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure		
					<b>0</b>	<b>PSI</b>		
20. Calculated 24-Hour Rate		Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity-API-60°	Casing Pressure		
						<b>PSI</b>		
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				22. Oil produced prior to test (New & Reworked wells)			23. Injection Gas-Oil Ratio	
REMARKS: N/A								

**INSTRUCTIONS:** File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

#### WELL TESTERS CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

#### OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct and complete, to the best of my knowledge.

**EOG RESOURCES, INC.**

Type or printed name of operator's representative

**(432) 686-3684**

**09/19/2012**

Telephone: Area Code Number Month Day Year

**Sr. Regulatory Analyst**

Title of Person

**Renee Jarratt**

Signature

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
24. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										25. Permit to Drill, Plug Back or Deepen <span style="float: right;">DATE 04/12/2012 PERMIT NO. 734051</span> Rule 37 Exception <span style="float: right;">CASE NO.</span>									
26. Notice of Intention to Drill this well was filed in Name of <b>EOG RESOURCES, INC.</b>										Water Injection Permit <span style="float: right;">PERMIT NO.</span> Salt Water Disposal Permit <span style="float: right;">PERMIT NO.</span> Other <span style="float: right;">PERMIT NO.</span>									
27. Number of producing wells on this lease in this field (reservoir) including this well <b>26</b>					28. Total number of acres in this lease <b>4164.8</b>														
29. Date Plug Back, Deepening, Workover or Drilling Operations:		Commenced <b>04/30/2012</b>		Completed <b>05/21/2012</b>		30. Distance to nearest well, Same Lease & Reservoir <b>40.0</b>													
31. Location of well, relative to nearest lease boundaries						<b>7461.0</b> Feet From <b>South</b>		Line and <b>4923.0</b> Feet from											
32. Elevation (DF, RKB, RT, GR ETC.) <b>2656 GR</b>						33. Was directional survey made other than inclination (Form W-12)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
34. Top of Pay <b>6704 MD:14920</b>		35. Total Depth <b>6704 MD:14920</b>		36. P. B. Depth <b>6704 MD:14920</b>		37. Surface Casing Determined by		Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. <input checked="" type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter <b>04/04/2012</b> Dt. of Letter									
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																			
39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <b>FIELD &amp; RESERVOIR</b>										GAS ID or OIL LEASE #		Oil-G Gas-G		Well #					
40. Intervals Drilled by: Rotary Tools <input checked="" type="checkbox"/> Cable Tools <input type="checkbox"/>										41. Name of Drilling Contractor <b>PATTERSON</b>				42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
43. CASING RECORD (Report All Strings Set in Well)																			
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.					
9 5/8		40.0		789				C 400		12 1/4		SURFACE		536.0					
5 1/2		17.0		14888				H 3160		8 3/4		SURFACE		5445.6					
44. LINER RECORD																			
Size		Top		Bottom		Sacks Cement				Screen									
N/A																			
45. TUBING RECORD																			
Size		Depth Set		Packer Set		From N/A				To									
N/A						From				To									
						From				To									
						From				To									
46. Producing Interval (this completion) Indicate depth of perforation or open hole																			
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																			
Depth Interval						Amount and Kind of Material Used													
N/A																			
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations		Depth		Formations		Depth		Formations		Depth		Formations		Depth					
LOWER SPRABERRY		5317.0 MD: 5317.0																	
DEAN		6100.0 MD: 6100.0																	
WOLFCAMP		6235.0 MD: 6235.0																	
REMARKS: KOP - 6044'																			
WELL RECORD ONLY - WAITING ON COMPLETION																			

Cementer: Fill in shaded areas.  
Operator: Fill in other items.

**RAILROAD COMMISSION OF TEXAS**  
Oil and Gas Division

**Form W-15**  
Cementing Report  
Rev. 4/1/83  
483-045

1. Operator's Name (As shown on Form P-5, Organization Report) <b>EOG Resources, Inc</b>		2. RRC Operator No. <b>253162</b>	3. RRC District No. <b>7C</b>	4. County of Well Site <b>Irion</b>
5. Field Name (Wildcat or exactly as shown on RRC records) <b>Lin (Wolfcamp)</b>			6. API No. <b>42-235-35000</b>	7. Drilling Permit No. <b>734051</b>
8. Lease Name <b>University 43</b>		9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <b>1011H</b>

CASING CEMENTING DATA:			SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
					Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			<b>04/29/12</b>					
13. • Drilled hole size			<b>12 1/4"</b>					
• Est. % wash or hole enlargement								
14. Size of casing (in. O.D.)			<b>9 5/8"</b>					
15. Top of liner (ft.)								
16. Setting depth (ft.)			<b>789'</b>					
17. Number of centralizers used			<b>8</b>					
18. Hrs. waiting on cement before drill-out			<b>24+</b>					
1st Slurry	19. API cement used: No. of sacks ▶		<b>400</b>					
	Class ▶		<b>C</b>					
	Additives ▶		<b>See Remarks</b>					
2nd Slurry	No. of sacks ▶							
	Class ▶							
	Additives ▶							
3rd Slurry	No. of sacks ▶							
	Class ▶							
	Additives ▶							
1st	20. Slurry pumped: Volume (cu. ft.) ▶		<b>536</b>					
	Height (ft.) ▶		<b>1711'</b>					
2nd	Volume (cu. ft.) ▶							
	Height (ft.) ▶							
3rd	Volume (cu. ft.) ▶							
	Height (ft.) ▶							
Total	Volume (cu. ft.) ▶		<b>536</b>					
	Height (ft.) ▶		<b>1711'</b>					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			<b>Yes</b>					
22. Remarks <b>Pump 400sx C + 2%CaCl<sub>2</sub> + 1/4ppsCelloflake Circulated 84sx to pit</b>								

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
23. Cementing Date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in the well as shown in this report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

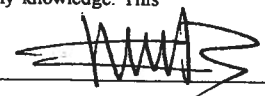
**Serge Manfoumbi, Specialist**

Name and title of cementer's representative

**Basic Energy Services**

Cementing Company

Signature



**P O Box 10451**

Address

**Midland**

City

**TX**

State

**79702**

Zip Code

**432-687-1994**

Tel.: Area Code

Number

**05/03/12**

Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that the data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

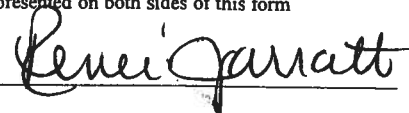
**Renee Jarratt**

Typed or printed name of operator's representative

**Regulatory Analyst**

Title

Signature



**P.O. Box 2267, Midland, TX 79702**

Address

City

State

Zip Code

Tel.: Area Code

Number

Date: mo. day yr.

**432-686-3684**

**9/19/12**

## Instructions to Form W-15, Cementing Report

**IMPORTANT:** Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

**A. What to file.** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, **Form W-2 or G-1**, as required by Statewide or special field rules;
- **Form W-4**, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- **Form W-3**, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

**B. Where to file.** The appropriate Commission District Office for the country in which the well is located.

**C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

**D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

**E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

**F. Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

**G. Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas  
Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS  
Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report) EOG Resources, Inc.	2. RRC Operator No. 253162	3. RRC District No. 7C	4. County of Well Site Irion
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Lin (Wolfcamp)	6. API No. 42235-35000	7. Drilling Permit No. 734051	
8. Lease Name University 43	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. 1011H

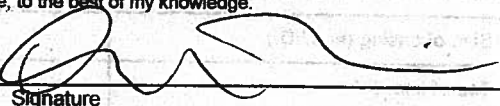
CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				5/20/2012			
13. *Drilled hole size				8 3/4			
*Est. % wash or hole enlargement							
14. Size of casing (in. O.D.)				5 1/2			
15. Top of liner (ft)							
16. Setting depth (ft)				14888			
17. Number of centralizers used				132			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶			885			
	Class ▶			H			
	Additives ▶			SEE REMARKS			
2nd Slurry	No. of sacks ▶			2275			
	Class ▶			H			
	Additives ▶			SEE REMARKS			
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu.ft.) ▶			2442.6			
	Height (ft.) ▶			9670			
2nd	Volume (cu.ft.) ▶			3003			
	Height (ft.) ▶			11888.57			
3rd	Volume (cu.ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu.ft.) ▶			5445.6			
	Height (ft.) ▶			21558.57			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				YES			
22. Remarks .15% SA-1015, .7%HR601, .25LBM D-AIR .7%HALADR, .1% WG-17, 5LBM MICROBOND, 5%POTASSSIUM CHLORIDE HR601 CIRCULATED 155 BBLS , 386 SACKS TO SURFACE		Sales Order 0 Customer Name EOG RESOURCES INC EBUSINESS Lease University 43 Well Number 1011 H Irion County					

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu.ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

OSCAR RODRIGUEZ SERVICE SUPERVISOR  
Name and Title of Cementer's Representative

Halliburton Energy Services  
Cementing Company

  
Signature

6155 W. MURPHY ODESSA TX # 79763  
Address City State, Zip Code

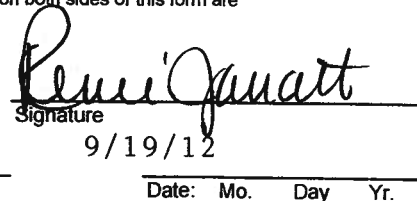
888-844-8453  
Tel: Area Code Number

5/20/2012  
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Renee Jarratt  
Typed or Printed Name of Operator's Representative  
P.O. Box 2267, Midland, TX 79702  
Address City, State, Zip Code

Regulatory Analyst  
Title  
432-686-3684

  
Signature  
9/19/12  
Date: Mo. Day Yr.

#### Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- \* An initial oil or gas completion report, **Form W-2 or G-1**, as required by Statewide or special field rules;
- \* **Form W-4**, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- \* **Form W-3**, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete
- \* **Form W-15, in addition to Form W-3, to show any casing cemented in the hole.**

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. **Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. **Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. **Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

F. **Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. **Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date April 4, 2012 GAU File No.: SC- 6294  
\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*  
API Number 23535000  
Attention: RENEE JARRATT RRC Lease No. 000000  
SC\_253162\_23535000\_000000\_6294.pdf

EOG RESOURCES INC  
P O BOX 2267  
MIDLAND TX 79702

--Measured--

Digital Map Location:

963 ft FWL

X-coord/Long 1720077

2130 ft FSL

Y-coord/Lat 530947

MRL:SECTION

Datum 27 Zone C

P-5# 253162

County IRION Lease & Well No. UNIVERSITY 43 #1011H Purpose ND  
Location SUR-UL,BLK-43,SEC-10,-- [TD=6750] , [RRC 7C] ,

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

The interval from the land surface to the base of the SANTA ROSA,  
which is estimated to occur at a depth of 750 feet, must be protected.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, [gau@rrc.state.tx.us](mailto:gau@rrc.state.tx.us), or by mail.

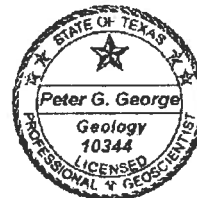
Sincerely,

  
Digitally signed by Peter George  
DN: c=US, st=TEXAS, l=Austin, o=Railroad  
Commission of Texas, cn=Peter George,  
email=peter.george@rrc.state.tx.us  
Date: 2012.04.04 13:46:23 -05'00'

Peter G. George, P.G.

Geologist, Groundwater Advisory Unit  
Oil & Gas Division

GEOLOGIST SEAL



The seal appearing on this document was authorized by Peter G. George on 4/4/2012  
Note: Alteration of this electronic document will invalidate the digital signature.