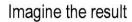
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# ExxonMobil Environmental Services Company

# Monitoring Well Abandonment Report - 2013

Former ExxonMobil Facility #99GNC 5009 Summit Avenue Greensboro, Guilford County, North Carolina

Groundwater Incident #24265

November 2013

### **ARCADIS**

Paul Goodell, C.E.S.

Staff Environmental Scientist

Jon Farley, P.E.

Certified Project Manager I

Curtis S. Bostian, P.E.

North Carolina P.E. No. 25659

Senior Engineer

#### Monitoring Well Abandonment Report - 2013

Former ExxonMobil Facility #99GNC

Prepared for:

ExxonMobil Environmental Services Company Ms. Jewel Cox – Project Manager 1016 W. Poplar Avenue Suite 106 #232 Collierville, Tennessee 38017

Prepared by:

ARCADIS G&M of North Carolina, Inc. 801 Corporate Center Drive Suite 300 Raleigh, North Carolina 27607 Tel 919.854.1282 Fax 919.854.5448 www.arcadis-us.com

Environmental

Our Ref.:

B0085851.0047

Date:

November 1, 2013

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### **ARCADIS**

#### **MONITORING WELL ABANDONMENT REPORT - 2013**

Former ExxonMobil Facility #99GNC 5009 Summit Avenue Greensboro, Guilford County, North Carolina Latitude 35° 41' 43.82"N Longitude 80° 52' 33.41"W (Reference **Figure 1**)

Groundwater Incident #:

Risk Classification:

Reason for Risk Classification:

Land Use Category:

Source of Release:

Date of Release Discovery:

Estimated Quantity of Release:

Cause of Release:

Responsible Party:

responsible rarty.

Property Owner:

24265

High

26 potable wells within 1,500 feet

of the site

Residential

Former gasoline UST system

February 2002

Unknown

**UST Leak** 

ExxonMobil Corporation

**Environmental Service Company** 

Attn: Ms. Jewel Cox 1016 W. Poplar Avenue

Suite 106 #232

Collierville, TN 38017

901.850.9009

Attn: Heather Fulghum

NCDOT

PO Box #14996

Greensboro, NC 27415

770.428.4236

, a Professional Engineer for ARCADIS G&M of North

Carolina, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge. ARCADIS G&M of North Carolina, Inc. is licensed to practice geology and engineering in North Carolina. The certification numbers of the company are C-155 (geology) and C-1869 (engineering).

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Well Abandonment Records

Appendix C

Monitoring Well
Abandonment Report
- 2013

### **ARCADIS**

#### 1. Introduction

On October 22 – 23, 2013, on behalf of ExxonMobil Environmental Services Company (EMES), ARCADIS G&M of North Carolina (ARCADIS) subcontracted Parratt-Wolff Inc. (PW) to properly abandon the potable well located at 2710 Pindals Road and all groundwater monitoring wells associated with groundwater incident #24265 and former ExxonMobil facility #99GNC (the site), located at 5009 Summit Avenue, Greensboro, Guilford County, North Carolina. A site location map is included as **Figure 1**. The monitoring wells were abandoned as per email correspondence with the North Carolina Department of Environment and Natural Resources (NCDENR) in advance of the redevelopment of the property for use in the proposed Greensboro Loop (NCDOT Project #U-2525C). A copy of the email correspondence is provided in **Appendix A**.

#### 2. Potable & Monitoring Well Abandonment

Eleven (11) groundwater monitoring/soil vapor extraction (SVE) wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7/SVE-2, MW-8/SVE-1, MW-9/SVE-3, MW-10, and MW-11), three (3) air sparge wells (AS-1, AS-2, and AS-3), and one potable well (2710 Pindals Road) were properly abandoned by PW, a North Carolina licensed well driller (Cert. #3544), on October 22 - 23, 2013. The groundwater monitoring/SVE wells and air sparge wells were housed in 8-inch diameter round manholes and the SVE wells were housed in 2 foot by 2 foot square vaults. The potable well at 2710 Pindals Road was housed within a 12-inch diameter above-ground circular concrete well vault. Abandonment of the monitoring/SVE wells, air sparge wells, and potable well was performed in accordance with 15A NCAC 2C Well Construction Standards as follows:

- ARCADIS personnel gauged each monitoring/SVE, air sparge, and potable well
  prior to abandonment. Depth to water was measured from the top of casing of
  each monitoring/SVE, air sparge, and potable well using an electronic oil/water
  interface probe accurate to 0.01 foot. Current and historical groundwater elevations
  are summarized in Table 1.
- Monitoring/SVE, air sparge, and potable wells were abandoned in-place via tremiegrout methods. The monitoring/SVE, air sparge, and potable wells were filled from the bottom up with a cement grout mixture consisting of Portland cement and powdered bentonite.
- Following tremie-grouting of the monitoring/SVE, air sparge, and potable wells, the manhole and vault voids were returned to grade using a concrete cap to ground

Monitoring Well Abandonment Report - 2013

### **ARCADIS**

surface. Due to high vehicle and pedestrian traffic at the site, monitoring/SVE, air sparge, and potable well vault manhole lids were abandoned in place and secured by the concrete cap. Before, during, and after photographs of monitoring well abandonment are included in **Appendix B** as an example of the monitoring well abandonment activities.

The locations of the former monitoring/SVE and air sparge wells are illustrated in **Figure 2**. The location of the former potable well (2710 Pindals Road) and the route of the Greensboro Loop (NCDOT Project #U-2525C) are presented in **Figure 3**. The Well Abandonment Records are included in **Appendix C**.

As per the email correspondence with the NCDENR, ARCADIS respectfully recommends the completion of a Notice of Residual Petroleum (NORP) for the subject incident number. The proposed NORP will be completed and filed with the Guilford County Register of Deeds. Upon completion of the NORP requirements, ARCADIS will respectfully request No Further Action (NFA) status be granted for the subject incident number.



**Tables** 

**Table 1: Groundwater Gauging Data** Revision Date: <u>11/4/2013</u>

Well ID	Gauging Date	Top of Casing Elevation	Well Casing	Screened Interval	Depth to Water	Depth to	Product Thickness	Groundwater Elevation	Measured Depth to	Well Diameter
		(ft)	(ft btoc)	(ft btoc)	(ft btoc)	(ft btoc)	(ft)	(ft)	Bottom (ft)	(inches)
	06/27/02				32.07	70.46	2.53	67.93	40.00	2"
	07/29/02				32.37	72.01	4.38	67.63	40.00	2"
	08/27/02				37.40	67.10	4.50	62.60	40.00	2"
	09/09/02				37.36	67.15	4.51	62.64	40.00	2"
	10/02/02		1		35.30 35.03	66.30 68.85	1.60 3.88	64.70 64.97	40.00 40.00	2"
	11/18/02 12/17/02				30.81	69.55	0.36	69.19	40.00	2"
	01/10/03				30.26	70.10	0.36	69.74	40.00	2"
	02/24/03				29.10	71.20	0.30	70.90	40.00	2"
	03/18/03				27.94	72.24	0.18	72.06	40.00	2"
	04/11/03				26.63	73.55	0.18	73.37	40.00	2"
	05/14/03				26.04	74.25	0.29	73.96	40.00	2"
	06/05/03				25.52	74.71	0.23	74.48	40.00	2"
	07/08/03				24.65			75.35	40.00	2"
	08/11/03				24.65			75.35	40.00	2"
	09/03/03				24.60			75.40	40.00	2"
	09/15/03				24.50		-	75.50	40.00	2"
	03/09/04				24.70	-	-	75.30	40.00	2"
	01/03/06				30.00			70.00	40.00	2"
	12/26/07				Dry		-	Dry	27.85	2"
	03/31/08	Automatic Committee (1990)	o accommon	WHOSEAN DAVIDS	33.07		-	66.93	39.82	2"
MW-1	08/14/08	100.00	0-25	25-40	31.50		-	68.50	40.00	2"
10100-1	06/02/09				30.32		-	69.68	40.20	2"
	11/05/09				33.11			66.89	40.00	2"
	08/09/10				29.17			70.83	41.00	2"
	11/04/10				32.32			67.68	40.00	2"
	02/01/11				32.10			67.90	NM	2"
	04/26/11		l l		31.80 32.19		-	68.20 67.81	38.80 40.10	2" 2"
	10/25/11 01/18/12				33.25			66.75	NM	2"
	02/10/12				31.04			68.96	40.10	2"
	03/20/12				30.86			69.14	40.10	2"
	04/25/12				30.20			69.80	40.10	2"
	05/23/12				28.00		-	72.00	40.10	2"
	06/26/12				28.10			71.90	40.10	2"
	07/25/12				29.13			70.87	40.10	2"
	08/29/12				32.00			68.00	40.10	2"
	09/26/12				Monitor	ng Well Ina	accessible -	Disabled Vehic	cle Parked o	ver Well
	10/25/12				29.24		-	70.76	40.10	2"
	11/08/12				29.97			70.03	40.10	2"
	11/14/12				33.90			66.10	40.10	2"
]	12/05/12				33.95	-		66.05	40.10	2"
	10/22/13				30.40			69.60	40.00	2"
				Monitoring \	The state of the s	oned on Oc			04.00	
MW-1R	12/26/07		Unknown	Unknown	Dry			Dry	31.80	
	03/31/08				Dry			Dry	39.10	
	06/27/02				32.92	67.35	0.15	67.20	40.00	2"
	07/29/02				35.15	67.87	2.90	64.97	40.00	2"
	08/27/02				36.00	66.52	2.40	64.12	40.00	2"
	09/09/02				35.95	66.52	2.35	64.17	40.00	2"
NAVA : 0	10/02/02	100.10	0.05	25.40	35.00	66.07	0.95	65.12	40.00	2"
MW-2	11/18/02	100.12	0-25	25-40	34.50 30.45	68.17	2.55	65.62 69.67	40.00 40.00	2"
	12/17/02 01/10/03				30.45			69.71	40.00	2"
	02/24/03				29.30			70.82	40.00	2"
	02/24/03	5			28.40			71.72	40.00	2"
	01/01/00				27.11			73.01	40.00	2"
	3 1/0 1/00		-							

**Table 1: Groundwater Gauging Data** Revision Date: <u>11/4/2013</u>

Well ID	Gauging Date	Top of Casing Elevation (ft)	Well Casing (ft btoc)	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft)	Measured Depth to Bottom (ft)	Well Diameter (inches)
	05/14/03	(11)	Sw		26.40			73.72	40.00	2"
	06/05/03				25.95			74.17	40.00	2"
	07/08/03				25.25			74.87	40.00	2"
	09/15/03				24.90			75.22	40.00	2"
	03/09/04				25.08			75.04	40.00	2"
	01/03/06				30.25			69.87	40.00	2"
	12/26/07				33.85	-		66.27	49.20	2"
	08/14/08				32.95			67.17	35.40	2"
	06/02/09				32.01	-		68.11	34.30	2"
	11/05/09				32.45			67.67	34.44	2"
	08/09/10				26.71	-	-	73.41	34.69	2"
	11/04/10				28.68		80	71.44	40.00	2"
	02/01/11	(			Dry				NM	2"
	04/26/11				32.20			67.92	34.40	2"
MW-2	10/25/11	100.12	0-25	25-40	31.95			68.17	34.17	2"
Continued	01/18/12				33.00	-		67.12	NM	2"
	02/10/12				31.84			68.28	34.20	2"
	03/20/12				31.51			68.61	34.30	2"
	04/25/12				29.65	-	155	70.47	34.30	2"
	05/23/12				27.40			72.72	34.30	2"
	06/26/12				30.50	-		69.62	34.30	2"
	07/25/12				31.18			68.94	34.30	2"
	08/29/12				31.90			68.22	34.30	2"
	09/26/12				31.96	-		68.16	34.30	2"
	10/25/12				31.00			69.12	34.30	2"
	11/08/12				30.17			69.95	34.30	2"
	11/14/12				33.68			66.44	34.30	2"
	12/05/12				32.80		-	67.32	34.30	2"
	10/22/13				30.76			69.36	34.50	2"
	10/01/00			Monitoring \	THE RESIDENCE AND PROPERTY.				45.00	011
- 1	10/04/02				37.30	-		62.82	45.00	2"
	03/09/04				24.74			75.38	45.00	2" 2"
- 1	12/26/07				35.91			64.21	44.25	2"
	03/31/08				33.51			66.61 66.56	44.02 44.18	2"
+	08/14/08 06/02/09				33.56 30.35			69.77	45.12	2"
ł .					35.75			64.37	44.10	2"
- 1	11/05/09 08/09/10	100.12	0-20	20-45	31.43			68.69	44.22	2"
MW-3	11/04/10	100.12	0-20	20-45	34.73			65.39	45.00	2"
ŀ	02/01/11	1			35.30			64.82	45.00 NM	2"
}	04/26/11				32.70			67.42	44.00	2"
ŀ	10/25/11	l			02.10	100	Not Locat		,	2"
ŀ	03/20/12	l			32.89			67.23	44.00	2"
ŀ	11/08/12				34.25			65.87	44.10	2"
ł	10/22/13				31.93	, <b></b>		68.19	44.00	2"
ŀ				Monitoring \		oned on Oc	tober 22, 20			
	06/27/02	T			31.35			67.26	42.00	2"
h	03/09/04				22.55			76.06	42.00	2"
ŀ	12/26/07				30.25			68.36	34.80	2"
l l	03/31/08	ļ			33.02			65.59	40.52	2"
ŀ	08/14/08		9		30.44			68.17	41.00	2"
, , , , , , , , , , , , , , , , , , ,	06/02/09	00.01	0.07	07.4-	27.86			70.75	40.21	2"
MW-4	11/05/09	98.61	0-27	27-45	32.17			66.44	39.75	2"
ŀ	08/09/10				28.38	_		70.23	40.15	2"
H	11/04/10				30.80			67.81	40.00	2"
					30.00			68.61	NM	2"
ŀ	02/01/11									
	02/01/11				29.45	_		69.16	40.00	2"

**Table 1: Groundwater Gauging Data** Revision Date: <u>11/4/2013</u>

MW-4   Continued   1/1080/12   98.61   0-27   27.45   32.18       66.83   40.00   2"   29.47       66.14   40.10   2"   2"   29.47       66.14   40.10   2"   2"   29.47       66.14   40.10   2"   2"   27.35       66.97   40.00   2"   2"   27.35       66.97   40.00   2"   2"   27.35       66.97   40.00   2"   2"   27.35       66.97   40.00   2"   2"   27.35       66.97   40.00   2"   2"   27.35       66.97   40.00   2"   2"   28.51       67.38   39.70   2"   2"   28.61       67.38   39.70   2"   2"   28.61       67.38   39.70   2"   2"   28.61       67.38   39.70   2"   2"   28.61       66.52   40.00   2"   2"   28.61       66.52   40.00   2"   27.10       66.52   40.00   2"   27.10       66.52   40.00   2"   27.10       66.52   40.00   2"   27.10       66.57   39.75   2"   28.62       66.57   39.75   2"   28.62       66.07   39.65   2"   28.62       66.07   39.65   2"   28.62       66.07   39.65   2"   28.62       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       66.07   39.65   2"   27.75       26.00       27.75   39.65   2"   27.75   2.75   39.65   2"   27.75   2.75   39.65   2"   27.75   2.75   39.65   2"   27.75   2.7	Well ID	Gauging Date	Top of Casing Elevation (ft)	Well Casing (ft btoc)	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft)	Measured Depth to Bottom (ft)	Well Diameter (inches)
Continued											
Monitoring Well Abandoned on October 22, 2013   27.35       66.97   40.00   2"   19.85       74.47   40.00   2"   19.85       75.55   40.00   2"   19.85       69.50   39.73   2"   19.85       69.50   39.73   2"   19.85       69.62   39.70   2"   19.85       69.62   39.70   2"   19.85       69.62   39.70   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85       69.42   39.65   2"   19.85     19.8			98.61	0-27	27-45						
	Continued	10/22/13			<u> </u>					40.10	2"
MW-5    19.85					Monitoring \		oned on Oc	tober 22, 20			
MW-5  MW-5  MW-5  MW-5  MW-6  MW-7/SVE-2							-				
MW-6  MW-6  MW-6  MW-6  MW-6  MW-7/SVE-2						19.85				40.00	2"
MW-5  MW-5  MW-5  MW-6  MW-6  MW-6  MW-6  MW-6  MW-7/SVE-2  MR 2-  Q-20											
MW-5  MW-5  MW-5  MW-5  MW-6  MW-6  MW-6  MW-6  MW-6  MW-6  MW-7/SVE-2  MW-7/S						26.04				20.70	2"
MW-5  MW-5  MW-5  MW-6  MW-6  MW-7/SVE-2  MW-7/SVE-2  MW-6  MW-7/SVE-2						20.94				39.70	
MW-5  MW-6    08/09/10   11/04/10   04/26/11   10/46/10   10/46/11						22 23				39.75	2"
MW-5   11/04/10   02/01/11   02	200000000000000000000000000000000000000		94.32	0-20	20-40						
D201/11	MW-5		002	0.20							2"
MW-6    MW-7/SVE-2   Monitoring Well Abandoned on October 22, 2013   Monitorin											
10/25/11   03/20/12							-			39.70	2"
11/08/12   10/02/13		10/25/11									
10/02/13							-	-			
MW-7/SVE-2    Monitoring Well Abandoned on October 22, 2013											
MW-6    10/04/02   03/09/04   12/28/07   03/31/08   08/04/08   06/02/09   11/05/09   11/05/09   11/05/01   02/01/11   04/28/11   10/22/13   100.12   0-8   8-33   8-3   -3   -3   -3   -3   -3		10/22/13								40.00	2"
MW-6    03/09/04   12/26/07   03/31/08   06/02/09   11/05/09   11/05/09   11/05/01   101.10   0-20   20-45   33.28       66.54   44.70   2"   32.61       66.49   44.38   2"   32.61       66.49   44.38   2"   32.61       66.49   44.38   2"   33.28       66.99   44.78   2"   30.58     70.52   44.65   2"   30.58     70.52   44.65   2"   30.58     70.67   44.68   2"   33.12     66.99   44.78   2"   33.12     67.98   45.00   2"   33.12     67.98   45.00   2"   33.40     67.10   NM   2"   32.30     68.80   44.60   2"   33.46     66.61   44.60   2"   33.46     66.61   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.64   44.60   2"   33.46     67.71   36.33   4"   32.20     69.48   44.60   2"   33.41     67.71   36.33   4"   32.21     69.37   31.42   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.60   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95   33.50   4"   32.21     67.95											
MW-66    12/26/07											
MW-6  03/31/08 08/14/08 08/02/09 11/05/09 08/09/10 11/04/10 02/01/11 04/26/11 03/09/04 11/05/09 08/09/10 11/08/12 11/08/12 11/08/12 11/05/09 08/09/10 11/05/											
MW-6  08/14/08 06/02/09 11/05/09 08/09/10 11/04/10 02/01/11 04/26/11 10/22/13  MW-7/SVE-2  08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/09 08/09/10 11/05/11 03/20/12 11/05/11 05/20/12 11/05/12 00-20/45 00-44/60 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/10 00-68/80 00-67/90 00-68/80 00-67/10 00-68/80 00-67/90 00-68/80 00-67/90 00-68/80 00-67/90 00-68/80 00-67/90 00-68/80 00-67/90 00-68/80 00-68/80 00-67/90 00-68/80 00-68/80 00-68/80 00-67/90 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00-68/80 00											2"
MW-6  MW-6  MW-6  MW-7/SVE-2											
MW-6  MW-6  MW-6  MW-6  MW-7/SVE-2  MW-7/S					1-20 20-45				70.52		
MW-6  MW-6  MW-6  MW-7/SVE-2											
MW-6			101 10	0-20				V-56V			
MW-7/SVE-2    MW-7/SVE-2   11/08/11   10/25/	MW-6		701110	0 20	20 .0						
04/26/11   10/25/11   03/20/12   11/08/12   10/25/11   100.12   11/08/12   10/25/11   100.12   11/08/12   10/25/11   100.12   11/08/12   10/25/11   100.12   11/08/12   10/25/11   100.12   11/08/12   10/25/11   103/20/12   11/08/12   10/25/11   103/20/12   11/08/12   10/25/11   103/20/12   11/08/12   10/25/13   100.12   10/					=						2"
10/25/11   03/20/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   11/08/12   10/22/13											
11/08/12   33.46       67.64   44.60   2"     31.62       69.48   44.60   2"     Monitoring Well Abandoned on October 22, 2013											2"
10/22/13   31.62		03/20/12				32.20	-	-	68.90	44.60	
Monitoring Well Abandoned on October 22, 2013    03/09/04   12/26/07   03/31/08   08/14/08   06/04/09   11/05/09   08/09/10   02/01/11   04/26/11   10/25/11   03/20/12   11/08/12   10/02/13   0-8   Monitoring Well Abandoned on October 22, 2013    24.81							1	-			
MW-7/SVE-2    MW-7/SVE-2   11/04/10   03/20/12   100.12   0-8   8-33   24.81		10/22/13								44.60	2"
12/26/07   03/31/08   08/14/08   06/04/09   11/05/09   08/09/10   02/01/11   04/26/11   10/25/11   03/20/12   11/08/12   10/22/13   10/22/13				18	Monitoring \		oned on Oc	tober 22, 20			
03/31/08 08/14/08 06/04/09 11/05/09 08/09/10 02/01/11 04/26/11 100/25/11 03/20/12 11/08/12 100/32/13											
08/14/08 06/04/09 11/05/09 08/09/10 02/01/11 04/26/11 100/25/11 03/20/12 11/08/12 100.12  8-33  30.75 69.37 31.42 4"  24.64 75.48 38.60 4"  32.17 67.95 33.60 4"  26.25 Dry 26.31 4"  26.25 73.87 38.20 4"  22.90 77.22 NM 4"  30.70 69.42 33.50 4"  21.90 78.22 37.20 4"  27.95 72.17 37.10 4"  26.22 73.90 37.10 4"  29.08 71.04 37.20 4"						32.41			A	36.33	4"
MW-7/SVE-2    MW-7/SVE-2										04.40	400
MW-7/SVE-2 11/04/10 02/01/11 04/26/11 100/25/11 03/20/12 11/08/12 10/22/13 100.12 8-33 8-33 8-33 8-33 8-33 8-33 8-33 8-3											
MW-7/SVE-2 11/04/10 02/01/11 04/26/11 100/25/11 03/20/12 11/08/12 100/28											
MW-7/SVE-2 11/04/10 02/01/11 04/26/11 10/25/11 03/20/12 11/08/12 10/22/13 100.12 100.12 100.12 100.12 100.12 100.12 100.12 100.12 11/08/12 10/22/13 100.12 1											
02/01/11 04/26/11 10/25/11 03/20/12 11/08/12 10/22/13     22.90 77.22 NM 4" 30.70 69.42 33.50 4" 21.90 78.22 37.20 4" 27.95 72.17 37.10 4" 26.22 73.90 37.10 4" 29.08 71.04 37.20 4"	MM-7/SME-2		100.12	0-8	8-33						
04/26/11 10/25/11 03/20/12 11/08/12 10/22/13     30.70 69.42 33.50 4" 21.90 78.22 37.20 4" 27.95 72.17 37.10 4" 26.22 73.90 37.10 4" 29.08 71.04 37.20 4"	1VIVV-1/3VE-2										
10/25/11     21.90       78.22     37.20     4"       03/20/12     27.95       72.17     37.10     4"       11/08/12     26.22       73.90     37.10     4"       10/22/13     29.08       71.04     37.20     4"											
03/20/12 11/08/12 10/22/13     27.95 26.22 26.22 29.08      72.17 73.90 73.10 73.90 71.04     37.10 73.90 71.04     4"											
11/08/12 10/22/13 26.22 73.90 37.10 4" 29.08 71.04 37.20 4"											
10/22/13 29.08 71.04 37.20 4"		11/08/12									
Monitoring / Soil Vapor Extraction Well Abandoned on October 22, 2013						29.08			71.04	37.20	
		•	,	Monitoring /	Soil Vapor	Extraction \	Nell Aband	oned on Oc	tober 22, 2013		

**Table 1: Groundwater Gauging Data** Revision Date: <u>11/4/2013</u>

Well ID	Gauging Date	Top of Casing Elevation (ft)	Well Casing (ft btoc)	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft)	Measured Depth to Bottom (ft)	Well Diameter (inches)
	03/09/04				24.15			75.40	33.00	4"
	01/03/06				29.00			70.55	33.00	4"
	12/26/07				33.78			65.77	49.00	4"
	08/14/08				Dry			Dry	26.70	4"
	06/04/09				D			Not Access	20.00	4"
	11/05/09 08/09/10				Dry Dry			Dry Dry	28.90 28.33	4"
	11/04/10				24.22			75.33	32.15	4"
	02/11/11				19.05			80.50	NM	4"
	04/26/11				30.50			69.05	31.70	4"
	10/25/11				Dry			Dry	31.30	4"
	01/18/12				Dry			Dry	31.15	4"
MW-8/SVE-1	02/10/12	99.55	0-8	8-33	30.92			68.63	31.60	4"
WWW-0/GVL-1	03/20/12				29.05			70.50	31.40	4"
	04/25/12				24.68			74.87	31.40	4" 4"
	05/23/12				24.72 23.86			74.83 75.69	31.40 31.40	4"
	06/26/12 07/25/12				29.38			70.17	31.40	4"
	08/29/12				30.00			69.55	31.40	4"
	09/26/12				30.01			69.54	31.40	4"
	10/25/12				30.02	-		69.53	31.40	4"
	11/08/12				21.48			78.07	31.40	4"
	11/14/12				30.01			69.54	31.40	4"
	12/05/12				29.42			70.13	31.40	4"
	10/22/13		<u> </u>		29.08			70.47	31.50	4"
	20/00/01		Monitoring /	Soil Vapor		Well Aband	7	tober 22, 2013		1 411
	03/09/04 01/03/06				24.85 29.85			75.25 70.25	39.00 39.00	4" 4"
	03/31/08				32.77			67.33	36.70	4"
	08/14/08				30.98			69.12	36.32	4"
	06/04/09				29.99			70.11	36.80	4"
	11/05/09				32.48	_		67.62	36.00	4"
	08/09/10	100.10	0-9	9-39	28.78			71.32	35.65	4"
MW-9/SVE-3	11/04/10	100.10	0-9	3-33	26.80	_		73.30	37.15	4"
	02/01/11				22.75			77.35	NM	4"
	04/26/11				30.70			69.40	33.90	4"
	10/25/11				Dry 30.94			Dry 69.16	35.40 34.90	4" 4"
	03/20/12 11/08/12				27.81			72.29	34.90	4"
	10/22/13				30.05		_	70.05	36.40	4"
	10/22/10		Monitoring /	Soil Vapor		Well Aband	oned on Oc	tober 22, 2013		l
	03/31/08				28.37	-		68.18	34.60	4"
	08/14/08				28.53			68.02	34.79	2"
	06/02/09				25.48			71.07	34.77	2"
	11/05/09				29.52			67.03	34.80	2"
	08/09/10				25.75			70.80	35.82	2"
1 MAY 40	11/04/10	96.55	Unknown	Unknown	28.82		-	67.73	34.70	2"
MW-10	02/11/11 04/26/11				29.00 26.90			67.55 69.65	NM 34.60	2"
	10/25/11				30.85			65.70	34.70	2"
	03/20/12				27.48			69.07	34.70	2"
	11/08/12				28.35			68.20	34.70	2"
				1	28.73			67.82	34.90	2"
	10/22/13			1	20.73		tober 22, 20		04.00	

**Table 1: Groundwater Gauging Data** 

Revision Date: 11/4/2013

Incident Number: 24265

Well ID	Gauging Date	Top of Casing Elevation (ft)	Well Casing (ft btoc)	Screened Interval (ft btoc)	Depth to Water (ft btoc)	Depth to Product (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft)	Measured Depth to Bottom (ft)	Well Diameter (inches)	
	11/05/09	NA	i i		30,13			NA	37.20	2"	
	08/09/10	NA		İ	26.37			NA	37.00	2"	
	11/04/10	NA			29.36			NA	37.00	2"	
MW-11	02/01/11	NA	i		29.90			NA	NM	2"	
	04/26/11	NA	Unknown	Unknown	27.50			NA	36.50	2"	
	10/25/11	NA	i		31.49			NA	36.65	2"	
	03/20/12	NA	1		27.88			NA	36.60	2"	
	11/08/12	NA			29.03			NA	36.60	2"	
	10/22/13	NA	1		29.76			NA	36.65	2"	
		Monitoring Well Abandoned on October 22, 2013									
	06/27/02				54.95			45.16	70.00	2"	
V / = 4	03/09/04	100.11	0-55	55-70	24.66		1	75.45	70.00	2"	
VE-1	12/26/07	5/07			34.45			65.66	69.20	2"	
		VE-1 Converted to AS-1 in 2007									
	12/26/07				32.41	-		67.71	36.33	2"	
40.4	03/31/08	100.12	0-55	55-70	Dry			Dry	26.75	2"	
AS-1	10/22/13			1	30.70			69.42	49.00	2"	
		Air Sparge Well Abandoned on October 22, 2013									
AS-2	10/22/13	NA	Unknown	Unknown	31.49			NA	70.00	2"	
A5-2		99341 1993		Air Sparge \	Well Aband	oned on O	ctober 22, 2	013			
AS-3	10/22/13	NA	Unknown	Unknown				NA	49.40	2"	
A3-3				Air Sparge \	Well Aband	oned on O	ctober 22, 2	013			
2710 Pindals	10/22/13	NA	NA	NA	28.00			NA	67.00	6"	
Road			F	otable Wel	l Abandone	d on Octob	er 22 - 23, 2	2013			

Notes:

ft = feet

btoc = below top of well casing
-- = not detected or not applicable

NM = not measured

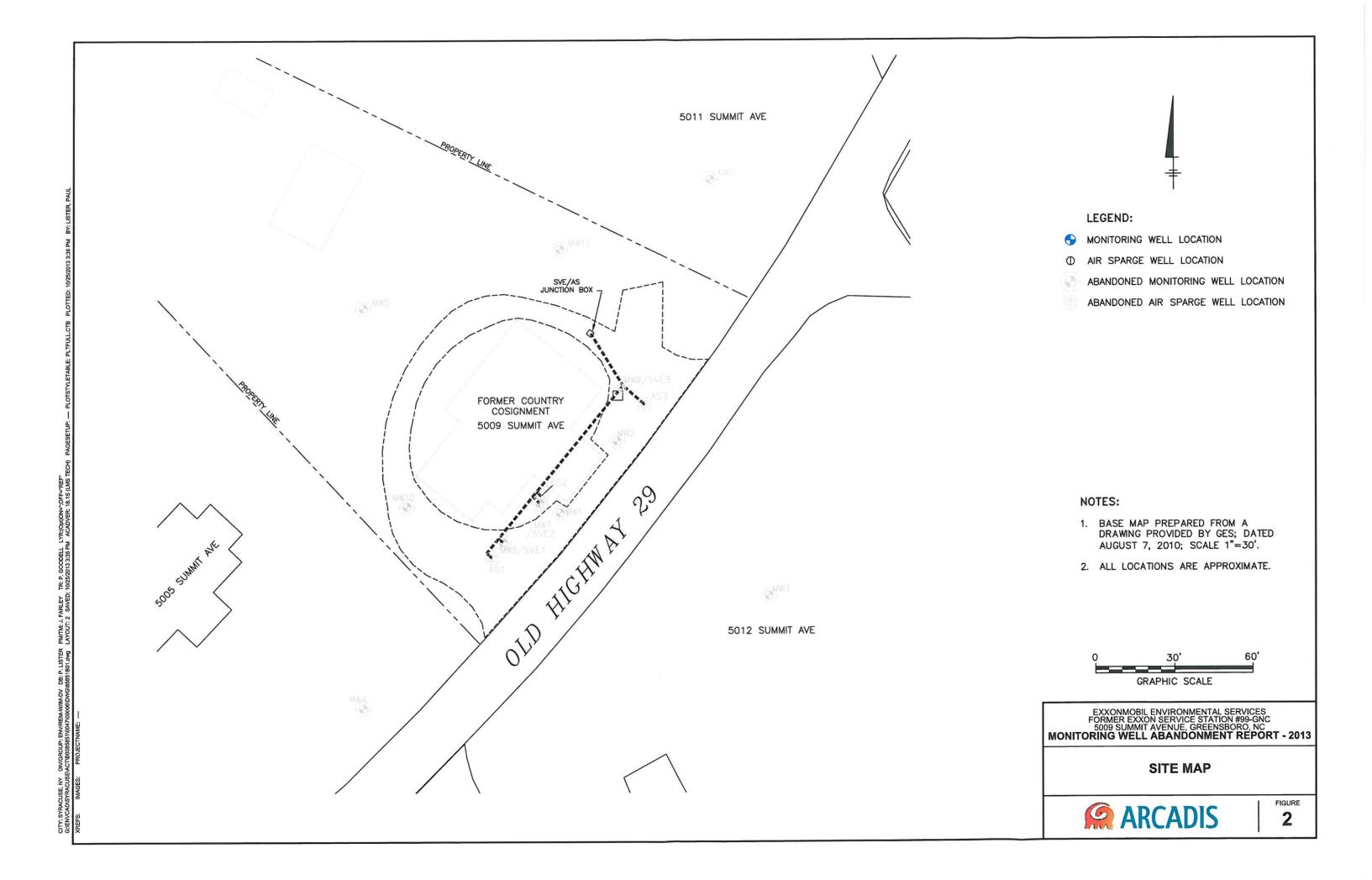
NL= not located

NG= not gauged

NA = not available



**Figures** 



UNDEVELOPED LAND Â UNDEVELOPED LAND UNDEVELOPED LAND CANDLENUT RD SUMMIT VACANT LOT SITE AVENUE UNDEVELOPED LAND VACANT LAND VACANT LAND 5005 SUMMIT AVENUE PINDALS RD VACANT LOT ABANDONED A RESIDENTIAL VACANT LOT 300 METERS (984, 240 FT.) 

**LEGEND** 

A

WATER SUPPLY WELL

PROPERTIES IN BLUE HAVE BEEN PURCHASED BY THE NCDOT FOR USE IN THE PROPOSED GREENSBORO LOOP (NCDOT PROJECT #U-2525C)

PROPOSED PATH OF THE HIGHWAY

ABANDONED WATER SUPPLY WELL

#### NOTES:

- BASE MAP PREPARED FROM A DRAWING PROVIDED BY GES; DATED AUGUST 7, 2010; SCALE 1"=30'.
- 2. ALL LOCATIONS ARE APPROXIMATE.
- 3. SW-4 WAS THE POTABLE WELL THAT SERVICED 2710 PINDALS ROAD. THIS WELL WAS ABANDONED ON 10/22-10/23/2013.



EXXONMOBIL ENVIRONMENTAL SERVICES FORMER EXXON SERVICE STATION #99-GNC 5009 SUMMIT AVENUE, GREENSBORO, NC MONITORING WELL ABANDONMENT REPORT - 2013

POTABLE WELL LOCATION MAP



FIGURE 3

CITY: SYRACUSE, NY DIV/GROUP: ENV/REM-W/IM-D G:/ENVCAD\SYRACUSE\ACT\B0085851\0047\00006\DM

# **ARCADIS**

### Appendix A

Email Correspondence with the NCENR – May – June 2013

From: Gene Mao <GMAO@co.guilford.nc.us>
Sent: Wednesday, June 12, 2013 2:17 PM

To: Farley, Jon

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

I think after the closing the well can be abandoned. Then you can move forward for site closure under the risk-based rules.

Thank.

From: Farley, Jon [mailto:Jon.Farley@arcadis-us.com]

Sent: Wednesday, June 12, 2013 2:08 PM

To: Gene Mao

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

Thank you Mr. Mao.

Please keep us posted. It is our understanding that the home will only be occupied for another 4 to 8 weeks and then the NCDOT will assume ownership as part of the Greensboro Loop Project.

From: Gene Mao [mailto:GMAO@co.quilford.nc.us]

Sent: Wednesday, June 12, 2013 2:05 PM

To: Farley, Jon

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

I have submitted the results and request to the State and hopefully hear from them soon.

Thanks.

From: Farley, Jon [mailto:Jon.Farley@arcadis-us.com]

Sent: Wednesday, June 12, 2013 1:31 PM

To: Gene Mao

Cc: Cox, Jewel G; Mattingly, Michael; Goodell, Paul

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

Hello Mr. Mao,

I just wanted to follow up with you and confirm that it is acceptable to proceed with our plan to provide bottled water to Ms. Morris' residence. Delivery is scheduled for this afternoon (06/12/13).

Thank you,

Jon

From: Farley, Jon

Sent: Tuesday, June 11, 2013 4:50 PM

To: 'Gene Mao'

Cc: 'Cox, Jewel G'; Mattingly, Michael (Michael.Mattingly@arcadis-us.com); Goodell, Paul (Paul.Goodell@arcadis-us.com)

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

Hello Mr. Mao,

We were able to visit the property at 2710 Pindals Road in Greensboro, NC and also meet with the current property owner (Ms. Janet King Morris) yesterday (06/10/13) evening. We provided Ms. Morris with the potable well sampling results from the two (2) potable water samples that were collected previously (05/14/13 and 05/30/13 – laboratory analytical results attached) from the spigot on the side of the home. We were also able to collect two additional potable water samples from the home (bathroom faucet and kitchen faucet) to confirm COC concentrations from the previous two sampling events.

Ms. Morris also confirmed that she has signed an agreement with the NCDOT and expects to vacate the property within the next 4 to 8 weeks. Ms. Morris' home phone number is 336-291-6911.

At this point we plan to move forward with providing Ms. Morris with bottled water for drinking. The bottled water delivery service to the residence will begin tomorrow (06/12/13).

Once we receive the laboratory analytical results from the additional confirmation potable well samples collected yesterday (06/10/13) we will pass those along to all parties.

If you have any questions please let me know.

Thank you, Jon

From: Gene Mao [mailto:GMAO@co.guilford.nc.us]

Sent: Monday, June 10, 2013 2:15 PM

**To:** Farley, Jon

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

Jon Farley,

I concur with your plan.

Thanks.

Gene Mao

From: Farley, Jon [mailto:Jon.Farley@arcadis-us.com]

**Sent:** Monday, June 10, 2013 11:58 AM

To: Gene Mao

Cc: Cox, Jewel G; Mattingly, Michael; Goodell, Paul

Subject: RE: Incident #24265 - Former ExxonMobil Facility #99GNC - Potable Well Sampling

Hello Mr. Mao,

I wanted to follow up with you regarding incident #24265, former ExxonMobil facility #99GNC located at 5009 Summit Avenue in Greensboro, NC, and the recent potable well sampling events at the property located at 2710 Pindals Road (SW-4 on the attached figure).

A second potable well sample was collected from the potable well (same location as the first sample was collected – spigot on side of home) located at 2710 Pindals Road (SW4) on May 30, 2013 to confirm concentrations of 1,2-Dichloroethane (see email chain below). Laboratory analytical results (attached) indicated 1,2-Dichloroethane was

detected in the second sample collected at a concentration of 1.17 micrograms per Liter (ug/L) exceeding the North Carolina Groundwater Quality 2L Standard of 0.40 ug/L for 1,2-Dichloroethane.

However, since collecting the potable well samples we learned that the North Carolina Department of Transportation (NCDOT) has come to an agreement to purchase the property located at 2710 Pindals Road from the property owner (Ms. Janet King Morris) as part of the planned Greensboro, NC Loop Road Project. The property will be closed on within the next three (3) weeks (please see attached email from Ms. Heather Fulghum with the NCDOT). As a result, the property will be vacant and the well will no longer be in use. The property will also eventually become part of the planned road project (please see attached site map showing location of potable well at 2710 Pindals Road and the planned Greensboro, NC Loop Road Project construction).

At this time it is unknown if Ms. Morris is still residing at the property or if she has vacated (telephone number we have is no longer in service). We are planning to send someone to the property to inform Ms. Morris of the sampling results and confirm if the property is vacant and the well is still in use. If the well is still in use we would also like to collect multiple potable water samples from inside the property to confirm if concentrations of 1,2-Dichloroethane are from the potable well or from an alternate source within the structure.

Please let me know if our plan of action is acceptable and how we should proceed. Also, please let me know if you have any questions.

Thank you, Jon

From: Goodell, Paul

Sent: Friday, May 24, 2013 10:35 AM

**To:** Gene Mao **Cc:** Farley, Jon

Subject: RE: Incident #24265

Thank you Mr. Mao. We are utilizing TestAmerica for both sets of samples.

From: Gene Mao [mailto:GMAO@co.quilford.nc.us]

Sent: Friday, May 24, 2013 10:21 AM

To: Goodell, Paul

Subject: RE: Incident #24265

Mr. Goodell,

Thanks for the update. Resampling the well will be OK. Do you use the same lab or other lab?

Gene

From: Goodell, Paul [mailto:Paul.Goodell@arcadis-us.com]

**Sent:** Friday, May 24, 2013 10:08 AM

**To:** Gene Mao **Cc:** Farley, Jon

Subject: RE: Incident #24265

Good morning Mr. Mao,

This email is in regards to incident #24265, Former ExxonMobil Facility #99GNC, which is located at 5009 Summit Avenue in Greensboro, NC. ARCADIS completed a round of potable well sampling at the four properties surrounding the site that we discussed last week. One property, 2710 Pindals Road (SW-4 on the attached figure), contained a detection for 1,2-dichloroethane at 1.32 ug/L which exceeds the 2L standard of 0.40 ug/L. No other dissolved-phase chemicals of concern (COCs) were detected above the minimum laboratory detection limits for this monitoring well. Additionally, none of the other potable wells sampled contained detections of dissolved-phase COCS.

The detection of 1,2-dicholorethane at 2710 Pindals Road is likely an anomaly compared with the non-detections for all other COCs at this location and the other sampled wells. I would like to propose to resample 2710 Pindals Road, only, early next week to confirm the detection.

Thank you

Paul

Paul Goodell, CES | Staff Environmental Scientist | paul.goodell@arcadis-us.com ARCADIS U.S., Inc. |801 Corporate Center Drive, Suite 300 | Raleigh, NC, 27607 T. 919-415-2299 | M. 919-741-0870 | F. 919.854.5448 <a href="https://www.arcadis-us.com">www.arcadis-us.com</a> ARCADIS, Imagine the result

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# **ARCADIS**

Appendix **B** 

Well Abandonment Photographs

Revision Date: November 2013



Photograph 1: Potable well at 2710 Pindals Road prior to abandonment



Photograph 2: Potable well at 2710 Pindals Road during abandonment

Revision Date: November 2013 Incident: #2426



Photograph 3: Potable well at 2710 Pindals Road after abandonment



Photograph 4: Typical monitoring well prior to abandonment



Photograph 5: Typical monitoring well during abandonment



Photograph 6: Typical monitoring well during abandonment



Photograph 7: Typical remediation system well prior to abandonment



Photograph 8: Typical remediation system well during abandonment

# Appendix B – Monitoring Well Abandonment Photographs

Revision Date: November 2013



Photograph 9: Typical remediation system well after abandonment

# **ARCADIS**

Appendix C

Well Abandonment Records

WELL ABANDONMI This form can be used for single or multip	ENT RECORD  le wells	For Internal Use ONLY:				
1. Well Contractor Information:		WELL ABANDONMENT DETAILS				
Joshua Ellingworth		70 Number of wells being shandoned				
Well Contractor Name (or well owner personally	y abandoning well on his/her property)	7a. Number of wells being abandoned: For multiple injection or non-water				
3544	<ul> <li>Consists of charge of the property of the consists of the consist of the consists /li></ul>	construction/ohandorment, you can submit one				
NC Well Contractor Certification Number		7b. Approximate volume of water remaining in well(s):(gal.)				
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY:				
Company Name		7c. Type of disinfectant used:				
2. Well Construction Permit #:	(a)	075.500				
List all applicable well permits (i.c. County, State	e, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:				
3. Well use (check well use):			413			
Water Supply Well:		7e. Sealing materials used (check all tha  ☐ Neat Cement Grout	n apply):  ☐ Bentonite Chips or Pellets			
□Agricultural	□Municipal/Public	☐ Sand Cement Grout	☐ Dry Clay			
Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Concrete Grout	☐ Drill Cuttings			
□Industrial/Commercial	□Residential Water Supply (shared)	☑ Specialty Grout	☐ Gravel			
□Irrigation		☐ Bentonite Slurry	☐ Other (explain under 7g)			
Non-Water Supply Well:  ☑Monitoring	□Recovery	D Bentonite Sturry	Other (explain under 7g)			
Injection Well:	Likecovery	7f. For each material selected above, pro	ovide amount of materials used:			
□Aquifer Recharge	Groundwater Remediation	4 bags				
☐Aquifer Storage and Recovery	□Salinity Barrier					
□Aquifer Test	□Stormwater Drainage					
□Experimental Technology	□Subsidence Control	5. Position being a state of the ob				
Geothermal (Closed Loop)	□Tracer	7g. Provide a brief description of the ab				
Geothermal (Heating/Cooling Return)	□Other (explain under 7g)	Tremie grouted casing in p	Diace			
4. Date well(s) abandoned: 10/22/13	<u> </u>					
5a. Well location:						
Exxon Mobil						
Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	, ,			
5009 Summit Ave, Greens			manala			
	b010, NC 21403	Signature of Certified Well Contractor or Well C	Date Date			
Physical Address, City, and Zip	D.	Signature of Certified West Contractor of West C	wher Bate)			
Guilford		By signing this form, I hereby certify the accordance with 15A NCAC 02C .0100 or	at the well(s) was (were) abandoned in			
County	Parcel Identification No. (PIN)	and that a copy of this record has been pro	vided to the well owner.			
5b. Latitude and longitude in degrees/mi (if well field, one lat/long is sufficient)	nutes/seconds or decimal degrees:	9. Site diagram or additional well details	<b>:</b>			
	7/133/19	You may use the back of this page to provide additional well site details or well				
N 75.	743349w	abandonment details. You may also attach	additional pages if necessary.			
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available.	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS				
wells ONLY with the same construction/abandom  \[ \lambda \lam	nent, you can submit one form.	10a. For All Wells: Submit this form abandonment to the following:	within 30 days of completion of well			
6a. Well ID#: MW-1	-	Division of Water Resources,	Information Processing Unit			
6b. Total well depth: 40.0	(ft.)	1617 Mail Service Center,				
ob. 1 otal well depth:	_(11.)	10b. For Injection Wells: In addition to	sending the form to the address in 10a			
6c. Borehole diameter: 2.0	_(in.)	above, also submit one copy of this form abandonment to the following:				
6d. Water level below ground surface:	(ft.)	Division of Water Resources, Under 1636 Mail Service Center,				
6e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection We the address(es) above, also submit one completion of well abandonment to the c	copy of this form within 30 days of			
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	,			
6g. Screen length (if known):	(ft.)					

WELL ABANDONMI This form can be used for single or multip		For Internal Use ONLY:				
1. Well Contractor Information:		WELL ABANDONMENT DETAILS				
Joshua Ellingworth						
Well Contractor Name (or well owner personally	handoning wall on higher property)	7a. Number of wells being abandoned: _ For multiple injection or non-water	supply wells ONLY with the same			
3544	y zoandoming wen on institut property)	construction/abandonment, you can submit one f	form.			
NC Well Contractor Certification Number		7b. Approximate volume of water remaining in well(s):(gal.				
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY:				
Company Name		7c. Type of disinfectant used:				
2. Well Construction Permit #:		7c. 13pc of disinfectant oscu.				
List all applicable well permits (i.e. County, Stat	e, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:				
3. Well use (check well use):						
Water Supply Well:		7e. Sealing materials used (check all that				
□Agricultural	□Municipal/Public	☐ Neat Cement Grout	☐ Bentonite Chips or Pellets			
☐Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	□ Dry Clay			
□lndustrial/Commercial	☐Residential Water Supply (shared)	□ Concrete Grout	□ Drill Cuttings			
□Irrigation		☑ Specialty Grout	□ Gravel			
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)			
☑ Monitoring	□Recovery	7f. For each material selected above, pro	vide amount of materials used:			
Injection Well:	☐Groundwater Remediation	3-1/2 bags	The same of the same and the sa			
□ Aquifer Recharge		3-1/2 bags				
□Aquifer Storage and Recovery	□Salinity Barrier					
□Aquifer Test	□Stormwater Drainage					
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba				
Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in p	lace			
☐Geothermal (Heating/Cooling Return)	□Other (explain under 7g)					
4. Date well(s) abandoned: 10/22/13	<u> </u>					
5a. Well location:						
Exxon Mobil		8. Certification:				
Facility/Owner Name	Facility ID# (if applicable)		././			
5009 Summit Ave, Greens	boro, NC 27405	1	19/28/13			
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well Or	wner Date			
Guilford		By signing this form, I hereby certify that				
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or and that a copy of this record has been prov				
5b. Latitude and longitude in degrees/min	nutes/seconds or decimal degrees:					
(if well field, one lat/long is sufficient)	7.40000	<ol> <li>Site diagram or additional well details:</li> <li>You may use the back of this page to prove</li> </ol>				
36.145961 <sub>N</sub> 79.	743286w	abandonment details. You may also attach				
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available.	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS				
wells ONLY with the same construction/abandonn  6a. Well ID#:	eent, you can suonn one join.	10a. For All Wells: Submit this form vabandonment to the following:	within 30 days of completion of well			
6b. Total well depth: 34.5	_(ft.)	Division of Water Resources, l 1617 Mail Service Center, F				
		10b. For Injection Wells: In addition to				
6c. Borehole diameter: 2.0	_(in.)	above, also submit one copy of this form abandonment to the following:	within 30 days of completion of well			
6d. Water level below ground surface:	(ft.)	Division of Water Resources, Underg 1636 Mail Service Center, F				
6e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county				
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	numy meanin department of the county			
6g. Screen length (if known):	(ft.)					

WELL ABANDONME This form can be used for single or multip		For Internal Use ONLY:				
1. Well Contractor Information:		WELL ABANDONMENT DETAILS				
Joshua Ellingworth						
Well Contractor Name (or well owner personally	v abandoning well on his her property)	7a. Number of wells being abandoned:  For multiple injection or non-water	supply wells ONLY with the same			
3544	,,	construction/abandonment, you can submit one form.				
NC Well Contractor Certification Number		7b. Approximate volume of water rema	ining in well(s):(gal,)			
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONL	Y:			
Company Name		7c. Type of disinfectant used:				
2. Well Construction Permit #:		, a 20p2 of assessment				
List all applicable well permits (i.e. County, State	e, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:				
3. Well use (check well use):						
Water Supply Well:		7e. Sealing materials used (check all tha  ☐ Neat Cement Grout	t apply):  □ Bentonite Chips or Pellets			
□ Agricultural	□Municipal/Public	☐ Sand Cement Grout	☐ Dry Clay			
Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	□ Concrete Grout	☐ Drill Cuttings			
□Industrial/Commercial	□Residential Water Supply (shared)	☑ Specialty Grout	☐ Gravel			
□Irrigation Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)			
☑Monitoring	□Recovery					
Injection Well:		7f. For each material selected above, pre	ovide amount of materials used:			
□Aquifer Recharge	☐Groundwater Remediation	4-1/2 bags				
☐ Aquifer Storage and Recovery	□Salinity Barrier					
□Aquifer Test	☐Stormwater Drainage					
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the ab	andonment procedure:			
□Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in p	olace			
☐Geothermal (Heating/Cooling Return)	□Other (explain under 7g)					
4. Date well(s) abandoned: 10/22/13  5a. Well location:	<u> </u>					
Exxon Mobil						
Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	/ /			
5012 Summit Ave, Greenst	boro, NC 27405		w zels			
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well O	hwner Date			
Guilford	/	By signing this form, I hereby certify that	at the well(s) was (were) abandoned in			
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or	2C .0200 Well Construction Standards			
5b. Latitude and longitude in degrees/min	nutes/seconds or decimal degrees:	and that a copy of this record has been pro	vided to the well owner.			
(if well field, one lat/long is sufficient)						
36.145664 <sub>N</sub> 79.7		9. Site diagram or additional well details				
	742874w	<ol> <li>Site diagram or additional well details You may use the back of this page to pro abandonment details. You may also attach</li> </ol>	vide additional well site details or well			
CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.	(S) BEING ABANDONED	You may use the back of this page to pro	vide additional well site details or well			
Attach well construction record(s) if available. wells ONLY with the same construction/abandonn	(S) BEING ABANDONED  For multiple injection or non-water supply	You may use the back of this page to pro abandonment details. You may also attach SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form	vide additional well site details or well additional pages if necessary.			
Attach well construction record(s) if available.	(S) BEING ABANDONED  For multiple injection or non-water supply	You may use the back of this page to pro abandonment details. You may also attach SUBMITTAL INSTRUCTIONS	vide additional well site details or well additional pages if necessary.			
Attach well construction record(s) if available. wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-3	(S) BEING ABANDONED  For multiple injection or non-water supply ment, you can submit one form.	You may use the back of this page to pro abandonment details. You may also attach SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form	vide additional well site details or well additional pages if necessary.  within 30 days of completion of well  Information Processing Unit,			
Attach well construction record(s) if available. wells ONLY with the same construction/abandonn  6a. Well ID#:	(S) BEING ABANDONED  For multiple injection or non-water supply	You may use the back of this page to pro abandonment details. You may also attach  SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form abandonment to the following:  Division of Water Resources, 1617 Mail Service Center, 10b. For Injection Wells: In addition to	vide additional well site details or well additional pages if necessary.  within 30 days of completion of well  Information Processing Unit, Raleigh, NC 27699-1617  sending the form to the address in 10a			
Attach well construction record(s) if available. wells ONLY with the same construction/abandonn 6a. Well ID#:  MW-3  6b. Total well depth:  44.0	(S) BEING ABANDONED  For multiple injection or non-water supply ment, you can submit one form.	You may use the back of this page to pro abandonment details. You may also attach  SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form abandonment to the following:  Division of Water Resources, 1617 Mail Service Center,	vide additional well site details or well additional pages if necessary.  within 30 days of completion of well  Information Processing Unit, Raleigh, NC 27699-1617  sending the form to the address in 10a			
Attach well construction record(s) if available. wells ONLY with the same construction/abandonn 6a. Well ID#: MW-3  6b. Total well depth: 44.0	(S) BEING ABANDONED  For multiple injection or non-water supply ment, you can submit one form.  (ft.)  (in.)	You may use the back of this page to pro abandonment details. You may also attach  SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form abandonment to the following:  Division of Water Resources, 1617 Mail Service Center, 10b. For Injection Wells: In addition to above, also submit one copy of this form	vide additional well site details or well additional pages if necessary.  within 30 days of completion of well  Information Processing Unit, Raleigh, NC 27699-1617  sending the form to the address in 10a within 30 days of completion of well  ground Injection Control Program,			
Attach well construction record(s) if available, wells ONLY with the same construction/abandonn  6a. Well ID#: MW-3  6b. Total well depth: 44.0  6c. Borehole diameter: 2.0	(S) BEING ABANDONED  For multiple injection or non-water supply ment, you can submit one form.  (ft.)  (ft.)	You may use the back of this page to pro abandonment details. You may also attach  SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form abandonment to the following:  Division of Water Resources, 1617 Mail Service Center, 10b. For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:  Division of Water Resources, Under 1636 Mail Service Center, 110c. For Water Supply & Injection We the address(es) above, also submit one	vide additional well site details or well additional pages if necessary.  within 30 days of completion of well  Information Processing Unit, Raleigh, NC 27699-1617  sending the form to the address in 10a within 30 days of completion of well  ground Injection Control Program, Raleigh, NC 27699-1636  lls: In addition to sending the form to copy of this form within 30 days of			
Attach well construction record(s) if available. wells ONLY with the same construction/abandonn  6a. Well ID#: MW-3  6b. Total well depth: 44.0  6c. Borehole diameter: 2.0  6d. Water level below ground surface:	(S) BEING ABANDONED  For multiple injection or non-water supply ment, you can submit one form.  (ft.)  (in.)  (ft.)	You may use the back of this page to pro abandonment details. You may also attach  SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form abandonment to the following:  Division of Water Resources, 1617 Mail Service Center, 10b. For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:  Division of Water Resources, Under 1636 Mail Service Center, 110c. For Water Supply & Injection Wells.	vide additional well site details or well additional pages if necessary.  within 30 days of completion of well  Information Processing Unit, Raleigh, NC 27699-1617  sending the form to the address in 10a within 30 days of completion of well  ground Injection Control Program, Raleigh, NC 27699-1636  lls: In addition to sending the form to copy of this form within 30 days of			

WELL ABANDONME  This form can be used for single or multip		For Internal Use ONLY:			
Well Contractor Information:		WELL ABANDONMENT DETAILS			
Joshua Ellingworth					
Well Contractor Name (or well owner personally	v shandonine well on his/her property l	7a. Number of wells being abandoned:  For multiple injection or non-water	supply wells ONLY with the same		
3544	y been coming with on the new property	construction/abandonment, you can submit one	form.		
NC Well Contractor Certification Number		7b. Approximate volume of water remaining in well(s):(gal.)			
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY:			
Company Name		7c. Type of disinfectant used:			
2. Well Construction Permit #:					
List all applicable well permits (i.e. County, Stat	te, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:			
3. Well use (check well use):					
Water Supply Well:	000000 00000 00000000000000000000000000	7e. Sealing materials used (check all tha	apply):  ☐ Bentonite Chips or Pellets		
□Agricultural	□Municipal/Public	☐ Sand Cement Grout	☐ Dry Clay		
Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	□ Concrete Grout	☐ Drill Cuttings		
□Industrial/Commercial □Irrigation	□Residential Water Supply (shared)	☑ Specialty Grout	□ Gravel		
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)		
☑Monitoring	□Recovery	7f. For each material selected above, pro	oxide emount of materials used.		
Injection Well:	DC last D disi-		ovide amount of materials used:		
☐ Aquifer Recharge ☐ Aquifer Storage and Recovery	☐Groundwater Remediation ☐Salinity Barrier	4 bags			
☐ Aquifer Test	□Stormwater Drainage				
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the ab	andonment procedures		
□Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in p			
☐Geothermal (Heating/Cooling Return)	□Other (explain under 7g)	Tremie groated casing in p			
4. Date well(s) abandoned: 10/22/13	3				
5a. Well location:					
Exxon Mobil					
Facility/Owner Name	Facility ID# (if applicable)	8. Certification			
5005 Summit Ave, Greens	boro, NC 27405	1	<u>व्यक्ति।</u>		
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well C	Owner Date		
Guilford	/	By signing this form, I hereby certify the	at the well(s) was (were) abandoned in		
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or and that a copy of this record has been pro	· 2C .0200 Well Construction Standards		
5b. Latitude and longitude in degrees/min	nutes/seconds or decimal degrees:	N 00 00 00 00 00 00 00 00 00 00 00 00 00			
(if well field, one lat/long is sufficient)	740050	<ol> <li>Site diagram or additional well details</li> <li>You may use the back of this page to pro</li> </ol>			
36.145503 <sub>N</sub> 79.	743652 W	abandonment details. You may also attach			
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available.	L(S) BEING ABANDONED  For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS			
wells ONLY with the same construction/abandom		10a. For All Wells: Submit this form	within 30 days of completion of well		
6a. Well ID#: MW-4	_	abandonment to the following:	Y. C		
6b. Total well depth: 40.1	(ft.)	Division of Water Resources, 1617 Mail Service Center,			
ob. Total wen depth.	_(14)	10b. For Injection Wells: In addition to	sending the form to the address in 10a		
6c. Borehole diameter: 2.0	_(in.)	above, also submit one copy of this form abandonment to the following:	within 30 days of completion of well		
6d. Water level below ground surface:	(ft.)	Division of Water Resources, Under 1636 Mail Service Center,			
6e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection We the address(es) above, also submit one			
	•	completion of well abandonment to the complete abandoned.			
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.			
6g. Screen length (if known):	(ft.)				

WELL ABANDONMI This form can be used for single or multip		For Internal Use ONLY:			
1. Well Contractor Information:		WELL ABANDONMENT DETAILS			
Joshua Ellingworth					
Well Contractor Name (or well owner personal)	y abandoning well on his/ner property)	7a. Number of wells being abandoned: _ For multiple injection or non-water	supply wells ONLY with the same		
3544	,	construction/abandonment, you can submit one f	form.		
NC Well Contractor Certification Number		7b. Approximate volume of water remai	ning in well(s):(gal.)		
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY	Y:		
Company Name		7c. Type of disinfectant used:			
5-25-00-16-15-25-00-15-00-00-00-00-00-00-00-00-00-00-00-00-00		/c. Type of disinfectant used:			
2. Well Construction Permit #:	te, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:			
3. Well use (check well use):					
Water Supply Well:		7e. Sealing materials used (check all that			
□Agricultural	□Municipal/Public	☐ Neat Cement Grout	☐ Bentonite Chips or Pellets		
□Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	□ Dry Clay		
□Industrial/Commercial	☐Residential Water Supply (shared)	□ Concrete Grout	□ Drill Cuttings		
□Irrigation		☑ Specialty Grout	□ Gravel		
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)		
☑Monitoring Injection Well:	□Recovery	7f. For each material selected above, pro	vide amount of materials used:		
□Aquifer Recharge	☐Groundwater Remediation	4 bags			
□Aquifer Storage and Recovery	□Salinity Barrier	- Dage			
□Aquifer Test	□Stormwater Drainage				
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba	ndonment procedure:		
□Geothermal (Closed Loop)	□Tracer				
□Geothermal (Heating/Cooling Return)	□Other (explain under 7g)	Tremie grouted casing in p	lace		
5a. Well location:  Exxon Mobil  Facility/Owner Name	Facility ID# (if applicable)	8. Certification			
5009 Summit Ave, Greens		7	m/agliz		
Physical Address, City, and Zip	2010, 110 21 100	Signature of Certified Well Contractor or Well Or	wner Date		
Guilford		/			
County	Parcel Identification No. (PIN)	By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or	2C .0200 Well Construction Standards		
5b. Latitude and longitude in degrees/mi	nutes/seconds or decimal degrees:	and that a copy of this record has been pro	viaea to the well owner.		
(if well field, one lat/long is sufficient)		9. Site diagram or additional well details:	;		
36.146087 <sub>N</sub> 79.	743593w	You may use the back of this page to provabandonment details. You may also attach			
CONSTRUCTION DETAILS OF WELI Attach well construction record(s) if available.		SUBMITTAL INSTRUCTIONS			
wells ONLY with the same construction/abandon		10a. For All Wells: Submit this form vabandonment to the following:	within 30 days of completion of well		
6a. Well ID#: MW-5	=	abandonnien to die fonowing.			
6b. Total well depth: 40.0	_(ft.)	Division of Water Resources, I 1617 Mail Service Center, F	Raleigh, NC 27699-1617		
6c. Borehole diameter: 2.0	_(in.)	10b. <u>For Injection Wells</u> : In addition to above, also submit one copy of this form abandonment to the following:			
ód. Water level below ground surface:	(ft.)	Division of Water Resources, Underg 1636 Mail Service Center, F			
se. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection Well the address(es) above, also submit one completion of well abandonment to the co	opy of this form within 30 days of		
of, Inner casing/tubing length (if known):	(ft.)	where abandoned.			

WELL ABANDONME  This form can be used for single or multip		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth			
Well Contractor Name (or well owner personally	school on higher woners	7a. Number of wells being abandoned: For multiple injection or non-water	supply wells ONLY with the same
3544	y abandoning wen on institut property)	construction/abandonment, you can submit on	e form.
NC Well Contractor Certification Number		7b. Approximate volume of water rem	aining in well(s):(gal.)
		FOR WATER SUPPLY WELLS ON	I.V:
Parratt-Wolff, Inc.			Section 19
Company Name		7c. Type of disinfectant used:	
2. Well Construction Permit #:	e, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):			
Water Supply Well:		7e. Sealing materials used (check all the	
□Agricultural	□Municipal/Public	□ Neat Cement Grout	☐ Bentonite Chips or Pellets
☐Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	☐ Dry Clay ☐ Drill Cuttings
□Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	☐ Gravel
Dirrigation		☑ Specialty Grout	☐ Other (explain under 7g)
Non-Water Supply Well:  ☑Monitoring	□Recovery	☐ Bentonite Slurry	11 Onici (explain under 7g)
Injection Well:	Lincovay	7f. For each material selected above, p	rovide amount of materials used:
□Aquifer Recharge	☐Groundwater Remediation	4-1/2 bags	
☐Aquifer Storage and Recovery	☐Salinity Barrier		
□ Aquifer Test	☐Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the a	bandonment procedure:
☐Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in	
□Geothermal (Heating/Cooling Return)	□Other (explain under 7g)		Picco
4. Date well(s) abandoned: 10/22/13 5a. Well location: Exxon Mobil		0 Conditions	
Facility/Owner Name Facility ID# (if applicable)		8. Certification	//
5009 Summit Ave, Greens	boro, NC 27405	The	
Physical Address, City, and Zip Guilford		Signature of Certified Well Contractor or Well	
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 and that a copy of this record has been p	nat the well(s) was (were) abandoned in or 2C .0200 Well Construction Standards rovided to the well owner.
5b. Latitude and longitude in degrees/mi (if well field, one lat/long is sufficient)	nutes/seconds or decimal degrees:	9. Site diagram or additional well detai	ds:
36.146365 <sub>N</sub> 79.	742781w	You may use the back of this page to prabandonment details. You may also attach	rovide additional well site details or well
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available. wells ONLY with the same construction/abandom	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form	within 30 days of completion of well
6a. Well ID#: MW-6	_	abandonment to the following:	
6b. Total well depth: 44.6 (ft.)		Division of Water Resources, Information Processing Unit, 1617 Mail Service Center, Raleigh, NC 27699-1617	
6c. Borehole diameter: 2.0	_(in.)	above, also submit one copy of this for abandonment to the following:	o sending the form to the address in 10a m within 30 days of completion of well
6d. Water level below ground surface:	(ft.)		erground Injection Control Program, , Raleigh, NC 27699-1636
бе. Outer casing length (if known):(ft.)		10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county	
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	

WELL ABANDONMENT RECORD  This form can be used for single or multiple wells		For Internal Use ONLY:	
Straightformore 1 Swittenbuckstotic (± 60° − 264° − 554° challadoris (±C) − 50°)		WELL ABANDONMENT DETAILS	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth		7a. Number of wells being abandoned: _ For multiple injection or non-water :	supply wells ONLY with the same
Well Contractor Name (or well owner personally	y abandoning well on his/her property)	construction/abandonment, you can submit one for	form.
3544		7b. Approximate volume of water remai	ning in well(s): (gal.)
NC Well Contractor Certification Number			
Parratt-Wolff, Inc.	at	FOR WATER SUPPLY WELLS ONLY	
Company Name		7c. Type of disinfectant used:	
2. Well Construction Permit #:			
List all applicable well permits (i.e. County, State	e, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):		7e. Sealing materials used (check all that	annly):
Water Supply Well:  □Agricultural	□Municipal/Public	□ Neat Cement Grout	☐ Bentonite Chips or Pellets
Geothermal (Heating/Cooling Supply)	☐Residential Water Supply (single)	☐ Sand Cement Grout	□ Dry Clay
□Industrial/Commercial	☐Residential Water Supply (shared)	☐ Concrete Grout	☐ Drill Cuttings
□Irrigation	Entersional water supply (shares)	☑ Specialty Grout	☐ Gravel
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)
☑Monitoring	□Recovery		
Injection Well:		7f. For each material selected above, pro	vide amount of materials used:
□Aquifer Recharge	☐Groundwater Remediation	3-1/2 bags	
□Aquifer Storage and Recovery	□Salinity Barrier		
□Aquifer Test	□Stormwater Drainage		-
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba	
☐Geothermal (Closed Loop) ☐Geothermal (Heating/Cooling Return)	☐Tracer ☐Other (explain under 7g)	Tremie grouted casing in p	lace
Geometria (Teating/Cooling Return)	Liother (explain under 7g)		
4. Date well(s) abandoned: 10/22/13			A
4. Date wen(s) abandoned.			
5a. Well location:			
		9. Carbifications	
5a. Well location:  Exxon Mobil  Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	
5a. Well location: Exxon Mobil	Facility ID# (if applicable)	VE	phala
5a. Well location:  Exxon Mobil  Facility/Owner Name	Facility ID# (if applicable)	8. Certification: Signature of Certified Well Contractor or Well Ov	wner Date
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst	Facility ID# (if applicable)	VE	
5a. Well location:  Exxon Mobil Facility/Owner Name  5009 Summit Ave, Greenst Physical Address, City, and Zip	Facility ID# (if applicable)	Signature of Certified Well Contractor or Well Ov By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip Guilford  County	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN)	Signature of Certified Well Contractor or Well On  By signing this form, I hereby certify that	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN)	Signature of Certified Well Contractor or Well Ov By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been prov 9. Site diagram or additional well details:	t the well(s) was (were) abondoned in 2C .0200 Well Construction Standards wided to the well owner.
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)	Parcel Identification No. (PIN)	Signature of Certified Well Contractor or Well Ov By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been prov 9. Site diagram or additional well details: You may use the back of this page to prov	t the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  : vide additional well site details or well
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  N  79.7	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361	Signature of Certified Well Contractor or Well Ov By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been prov 9. Site diagram or additional well details:	t the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  : vide additional well site details or well
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  N 79.7  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W(S) BEING ABANDONED For multiple injection or non-water supply	Signature of Certified Well Contractor or Well Ov By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been prov 9. Site diagram or additional well details: You may use the back of this page to prov	t the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  : vide additional well site details or well
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W(S) BEING ABANDONED For multiple injection or non-water supply	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved.  9. Site diagram or additional well details: You may use the back of this page to prove abandonment details. You may also attach is SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form well as the submit this subm	the well(s) was (were) abandoned in 2C.0200 Well Construction Standards wided to the well owner.  : vide additional well site details or well additional pages if necessary.
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  N 79.7  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W(S) BEING ABANDONED For multiple injection or non-water supply	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved.  9. Site diagram or additional well details: You may use the back of this page to prove abandonment details. You may also attach to SUBMITTAL INSTRUCTIONS	the well(s) was (were) abandoned in 2C.0200 Well Construction Standards wided to the well owner.  : vide additional well site details or well additional pages if necessary.
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W(S) BEING ABANDONED For multiple injection or non-water supply	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been provided that a copy of this record has been provided that a copy of this page to provide abandonment details. You may also attach a SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form was abandonment to the following:  Division of Water Resources, I	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  ride additional well site details or well additional pages if necessary.  within 30 days of completion of well information Processing Unit,
5a. Well location:  Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  N 79.7  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W(S) BEING ABANDONED For multiple injection or non-water supply	Signature of Certified Well Contractor or Well Over the Signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved the second of the second has been proved the second has	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  ride additional well site details or well additional pages if necessary.  within 30 days of completion of well information Processing Unit,
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  (S) BEING ABANDONED For multiple injection or non-water supplyment, you can submit one form.	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved the second of this page to prove abandonment details. You may also attach a SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form verbandonment to the following:  Division of Water Resources, I 1617 Mail Service Center, F.	the well(s) was (were) abondoned in 2C .0200 Well Construction Standards wided to the well owner.  vide additional well site details or well additional pages if necessary.  within 30 days of completion of well (Information Processing Unit, Raleigh, NC 27699-1617)  sending the form to the address in 10a
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst Physical Address, City, and Zip Guilford County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available. wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2	Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  (S) BEING ABANDONED For multiple injection or non-water supplyment, you can submit one form.	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved the second of this page to prove abandonment details. You may also attach a SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form valuation of Water Resources, I 1617 Mail Service Center, F.  10b. For Injection Wells: In addition to above, also submit one copy of this form	the well(s) was (were) abondoned in 2C .0200 Well Construction Standards wided to the well owner.  vide additional well site details or well additional pages if necessary.  within 30 days of completion of well (Information Processing Unit, Raleigh, NC 27699-1617)  sending the form to the address in 10a
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W(S) BEING ABANDONED For multiple injection or non-water supply ment, you can submit one form.	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved the second of this page to prove abandonment details. You may also attach a SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form verbandonment to the following:  Division of Water Resources, I 1617 Mail Service Center, F.	the well(s) was (were) abondoned in 2C .0200 Well Construction Standards wided to the well owner.  vide additional well site details or well additional pages if necessary.  within 30 days of completion of well (Information Processing Unit, Raleigh, NC 27699-1617)  sending the form to the address in 10a
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2  6c. Borehole diameter:  4.0	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  (S) BEING ABANDONED For multiple injection or non-water supplyment, you can submit one form.  (ft.)  (ft.)	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved the second has been proved a second has been proved the second has been proved the second has been proved that a copy of this record has been proved has be	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  The vide additional well site details or well additional pages if necessary.  Within 30 days of completion of well conformation Processing Unit, Raleigh, NC 27699-1617  Sending the form to the address in 10a within 30 days of completion of well ground Injection Control Program,
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  (S) BEING ABANDONED For multiple injection or non-water supplyment, you can submit one form.  (ft.)  (ft.)	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved that a copy of this record has been proved abandonment details. You may also attach a SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form was abandonment to the following:  Division of Water Resources, In 1617 Mail Service Center, For 10b. For Injection Wells: In addition to a above, also submit one copy of this form abandonment to the following:	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  The vide additional well site details or well additional pages if necessary.  Within 30 days of completion of well conformation Processing Unit, Raleigh, NC 27699-1617  Sending the form to the address in 10a within 30 days of completion of well ground Injection Control Program,
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst Physical Address, City, and Zip Guilford County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available. wells ONLY with the same construction/abandonn 6a. Well ID#:  MW-7  6b. Total well depth:  37.2  6c. Borehole diameter:  4.0  6d. Water level below ground surface:	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W  W(S) BEING ABANDONED For multiple injection or non-water supply ment, you can submit one form.  (ft.)  (in.)	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved that a copy of this record has been proved abandonment details. You may also attach is SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form valued abandonment to the following:  Division of Water Resources, In 1617 Mail Service Center, For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:  Division of Water Resources, Undergand Mail Service Center, For Water Supply & Injection Well	the well(s) was (were) abondoned in 2C .0200 Well Construction Standards wided to the well owner.  The wide additional well site details or well additional pages if necessary.  Within 30 days of completion of well conformation Processing Unit, Raleigh, NC 27699-1617  Sending the form to the address in 10a within 30 days of completion of well conformation Program, Raleigh, NC 27699-1636  Is: In addition to sending the form to
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  N 79.7  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2  6c. Borehole diameter:  4.0	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  W  W(S) BEING ABANDONED For multiple injection or non-water supply ment, you can submit one form.  (ft.)  (in.)	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved the second of this page to prove abandonment details. You may also attach is SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form very abandonment to the following:  Division of Water Resources, In 1617 Mail Service Center, Form 10b. For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:  Division of Water Resources, Undergand Mail Service Center, Form 1636 Mail Service Center,	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  The wide additional well site details or well additional pages if necessary.  Within 30 days of completion of well and the well of the
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst  Physical Address, City, and Zip  Guilford  County  5b. Latitude and longitude in degrees/min  (if well field, one lat/long is sufficient)  36.145921  N 79.7  CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.  wells ONLY with the same construction/abandonn  6a. Well ID#:  MW-7  6b. Total well depth:  37.2  6c. Borehole diameter:  4.0  6d. Water level below ground surface:  6e. Outer casing length (if known):	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  (S) BEING ABANDONED For multiple injection or non-water supplyment, you can submit one form.  (ft.)  (ft.)  (ft.)	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C.0100 or and that a copy of this record has been proved that a copy of this record has been proved abandonment details. You may also attach is SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form valuation abandonment to the following:  Division of Water Resources, In 1617 Mail Service Center, For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:  Division of Water Resources, Undergated Mail Service Center, For Water Supply & Injection Well the address(es) above, also submit one co	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  The wide additional well site details or well additional pages if necessary.  Within 30 days of completion of well and the well of the
Exxon Mobil  Facility/Owner Name  5009 Summit Ave, Greenst Physical Address, City, and Zip Guilford County  5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)  36.145921  CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available. wells ONLY with the same construction/abandonn 6a. Well ID#:  MW-7  6b. Total well depth:  37.2  6c. Borehole diameter:  4.0  6d. Water level below ground surface:	Facility ID# (if applicable) DOFO, NC 27405  Parcel Identification No. (PIN) nutes/seconds or decimal degrees: 743361  W  (S) BEING ABANDONED For multiple injection or non-water supplyment, you can submit one form.  (ft.)  (ft.)  (ft.)	Signature of Certified Well Contractor or Well On By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been proved that a copy of this record has been proved abandonment details. You may use the back of this page to proved abandonment details. You may also attach the SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form was abandonment to the following:  Division of Water Resources, In 1617 Mail Service Center, Form abandonment to the following:  Division of Water Resources, Undergated Mail Service Center, Form abandonment to the following:  10c. For Water Supply & Injection Well the address(es) above, also submit one completion of well abandonment to the completion well the completion well the completion of well abandonment to the completion of well abandonment to the completion of well abandonment to the completion well the completion well the completion well the completion of well abandonment to the completion of well abandonment to the completion well the com	the well(s) was (were) abandoned in 2C .0200 Well Construction Standards wided to the well owner.  The wide additional well site details or well additional pages if necessary.  Within 30 days of completion of well and the well of the

WELL ABANDONME This form can be used for single or multip		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	J
Joshua Ellingworth		7- Number of wells being abandaned:	
Well Centractor Name (or well owner personally abandoning well on his her property)		7a. Number of wells being abandoned: _ For multiple injection or non-water .	
3544		construction abandonment, you can submit one fo	orni.
NC Well Contractor Certification Number		7b. Approximate volume of water remain	ning in well(s):(gal.)
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY	<b>/</b> :
Company Name		7c. Type of disinfectant used:	
		7c. Type of disinfectant used.	
2. Well Construction Permit #:	te, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):		74.71110411 07.41111	
Water Supply Well:		7e. Sealing materials used (check all that	apply):
□ Agricultural	□Municipal/Public	☐ Neat Cement Grout	☐ Bentonite Chips or Pellets
□Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	□ Dry Clay
□Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	□ Drill Cuttings
□lrrigation		☑ Specialty Grout	☐ Gravel
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)
☑ Monitoring	□Recovery	7f. For each material selected above, pro	vide amount of materials used:
Injection Well:  □Aquifer Recharge	☐Groundwater Remediation	3 bags	
☐ Aquifer Storage and Recovery	☐Salinity Barrier	- Dags	
☐Aquifer Storage and Recovery	□Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba	- January manaduras
Geothermal (Closed Loop)	□Tracer		
Geothermal (Heating/Cooling Return)	□Other (explain under 7g)	Tremie grouted casing in p	lace
4. Date well(s) abandoned: 10/22/13 5a. Well location:	<u> </u>	·	
Exxon Mobil			
Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	/ /
5009 Summit Ave, Greens	boro, NC 27405	Za	10/29/13
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well On	wner Date
Guilford	,	By signing this form, I hereby certify that	the well(s) was (were) abandoned in
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or	2C .0200 Well Construction Standards
5b. Latitude and longitude in degrees/mi	nuter/casands ar dasimal dagrass;	and that a copy of this record has been prov	vided to the well owner.
(if well field, one lat/long is sufficient)	nutes/seconds of declinal degrees:	9. Site diagram or additional well details:	
36.145835 <sub>N</sub> 79.	743472 w	You may use the back of this page to provabandonment details. You may also attach	
		abandonment details. Tou may also acaen	additional pages it necessary.
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available. wells ONLY with the same construction/abandons	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form v	within 30 days of completion of well
6a. Well ID#: MW-8	_	abandonment to the following:  Division of Water Resources, 1	Information Processing Unit
6b. Total well depth: 31.5	_(ft.)	1617 Mail Service Center, F	Raleigh, NC 27699-1617
6c. Borehole diameter: 4.0	_(in.)	10b. For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:	
6d. Water level below ground surface:	(ft.)	Division of Water Resources, Underg 1636 Mail Service Center, F	
6e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection Well the address(es) above, also submit one completion of well abandonment to the completion of well abandonment to the	copy of this form within 30 days of
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	, and
6g. Screen length (if known):	(ft.)		

WELL ABANDONMI This form can be used for single or multip		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth			
Well Contractor Name (or well owner personall	v chandoning well on his/her property)	7a. Number of wells being abandoned: _ For multiple injection or non-water	supply wells ONLY with the same
3544	, , , , , , , , , , , , , , , , , , , ,	construction/abandonment, you can submit one f	form.
NC Well Contractor Certification Number		7b. Approximate volume of water remai	ning in well(s):(gal.
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY	γ:
Company Name		7c. Type of disinfectant used:	
2. Well Construction Permit #:			
List all applicable well permits (i.e. County, State	tc, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):		7e. Sealing materials used (check all that	t anniv):
Water Supply Well:  □Agricultural	□Municipal/Public	□ Neat Cement Grout	☐ Bentonite Chips or Pellets
Geothermal (Heating/Cooling Supply)	☐Residential Water Supply (single)	☐ Sand Cement Grout	☐ Dry Clay
□Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	☐ Drill Cuttings
□ Irrigation	Circulation water buppy (shared)	☑ Specialty Grout	□ Gravel
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)
☑Monitoring	□Recovery		
Injection Well:		7f. For each material selected above, pro	vide amount of materials used:
□ Aquifer Recharge	☐Groundwater Remediation	3-1/2 bags	
☐Aquifer Storage and Recovery	□Salinity Barrier		
□Aquifer Test	□Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba	ndonment procedure:
□Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in p	lace
Geothermal (Heating/Cooling Return)	□Other (explain under 7g)		
5a. Well location: Exxon Mobil		9 Coutte-skin	
Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	/ /
5009 Summit Ave, Greens	boro, NC 27405	Ha	10/29/13
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well Or	wner Date
Guilford		By signing this form, I hereby certify that	
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or and that a copy of this record has been prov	
5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)	outes/seconds or decimal degrees:	9. Site diagram or additional well details:	:
이 구성하는 경기는 이 가게 되었다면 보고 있는 것이 되었다면 하면 보고 있는 것이 되었다면 보고 있는 것이 되었다면 보고 있다면 보고 있다	743248 <sub>w</sub>	You may use the back of this page to prov	ride additional well site details or well
	W	abandonment details. You may also attach	additional pages if necessary.
CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available, wells ONLY with the same construction/abandonn	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS  10a. For All Wells: Submit this form v	within 30 days of completion of well
6a. Well ID#: MW-9	-	abandonment to the following:	
6b. Total well depth: 36.4	_(ft,)	Division of Water Resources, I 1617 Mail Service Center, F	Raleigh, NC 27699-1617
6c. Borehole diameter: 4.0	_(in.)	10b. <u>For Injection Wells</u> : In addition to a above, also submit one copy of this form abandonment to the following:	
6d. Water level below ground surface:	(ft.)	Division of Water Resources, Underg 1636 Mail Service Center, R	
6e. Outer casing length (if known):(ft.)		10c. For Water Supply & Injection Well the address(es) above, also submit one completion of well abandonment to the co	opy of this form within 30 days of
6f. lnner casing/tubing length (if known):	(ft.)	where abandoned.	
6g. Screen length (if known):	(ft.)		

WELL ABANDONMENT RECORD This form can be used for single or multiple wells		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth		7a. Number of wells being abandoned:	
Well Contractor Name (or well owner personally abandoning well on his/her property) 3544		For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit on form.	
NC Well Contractor Certification Number		7b. Approximate volume of water rema	aining in well(s):(gal.)
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONL	Y:
Company Name		7c. Type of disinfectant used:	
2. Well Construction Permit #:  List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known		7d. Amount of disinfectant used:	
3. Well use (check well use):		20 10 10 10 10 10 10 10 10 10 10 10 10 10	
Water Supply Well:		7e. Sealing materials used (check all tha	
□Agricultural	□Municipal/Public	☐ Neat Cement Grout	☐ Bentonite Chips or Pellets
☐Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	☐ Dry Clay
□Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	☐ Drill Cuttings
□Irrigation		☑ Specialty Grout	☐ Gravel
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)
Monitoring	□Recovery	7f. For each material selected above, pr	ovide amount of materials used.
Injection Well:	DC		ovide amount of materials diet.
□Aquifer Recharge	□Groundwater Remediation	3-1/2 bags	
□Aquifer Storage and Recovery	□Salinity Barrier		
□Aquifer Test	□Stormwater Drainage		
□Experimental Technology	☐Subsidence Control	7g. Provide a brief description of the ab	
☐Geothermal (Closed Loop) ☐Geothermal (Heating/Cooling Return)	☐Tracer ☐Other (explain under 7g)	Tremie grouted casing in p	olace
40/00/40	1		
4. Date well(s) abandoned: 10/22/13	·		
5a. Well location:			
Exxon Mobil			
Facility/Owner Name	Facility ID# (if applicable)	8. Certification;	
and a second		2	10/19/13
5009 Summit Ave, Greensl	5010, NC 27405	2/200	
Physical Address, City, and Zip Guilford		Signature of Certified Well Contractor or Well C	
County	Parcel Identification No. (PIN)	By signing this form, I hereby certify the accordance with 15A NCAC 02C .0100 or	2C .0200 Well Construction Standards
5b. Latitude and longitude in degrees/mir	autes/seconds or decimal degrees:	and that a copy of this record has been pro	ovided to the well owner.
(if well field, one lat/long is sufficient)	= <del>1</del> .	9. Site diagram or additional well details	s:
36.145870 <sub>N</sub> 79.7	743589 w	You may use the back of this page to pro abandonment details. You may also attach	
CONSTRUCTION DETAILS OF WELL	(S) BEING ABANDONED	SUBMITTAL INSTRUCTIONS	
Attach well construction record(s) if available.			
wells ONLY with the same construction/abandonn 6a. Well ID#:	sent, you can submit one form.	10a. For All Wells: Submit this form abandonment to the following:	within 30 days of completion of well
ba. Well ID#:	-	Distance (Western Description	Information Buseauter II-14
Sb. Total well depth: 34.9	_(ft.)	Division of Water Resources, 1617 Mail Service Center,	
oc. Borehole diameter: 2.0	_(in.)	10b. For Injection Wells: In addition to above, also submit one copy of this form abandonment to the following:	
id. Water level below ground surface:	(ft.)	Division of Water Resources, Under 1636 Mail Service Center, 1	
e. Outer casing length (if known):(ft.)		10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county	
f, lnner casing/tubing length (if known);	(ft.)	where abandoned.	

This form can be used for single or multiple wells		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth			
Well Contractor Name (or well owner personally	e abandonino well on his her property)	7a. Number of wells being abandoned: For multiple injection or non-water	supply wells ONLY with the same
3544	acandoning wen on maner property)	construction/abandonment, you can submit one	form.
NC Well Contractor Certification Number		7b. Approximate volume of water rema	ining in well(s):(gal.)
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONL	Y:
Company Name		-	
		7c. Type of disinfectant used:	
2. Well Construction Permit #:	e, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):			
Water Supply Well:		7e. Sealing materials used (check all tha	
□Agricultural	□Municipal/Public	□ Neat Cement Grout	☐ Bentonite Chips or Pellets
□Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	□ Dry Clay
□Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	☐ Drill Cuttings
□Irrigation Non-Water Supply Well:		☑ Specialty Grout ☐ Bentonite Slurry	☐ Gravel
Monitoring wen:	□Recovery	□ Bentonite Sturry	☐ Other (explain under 7g)
Injection Well:	DRECOVERY	7f. For each material selected above, pro	ovide amount of materials used:
□Aquifer Recharge	☐Groundwater Remediation	3-1/2 bags	
□Aquifer Storage and Recovery	□Salinity Barrier		
□Aquifer Test	□Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the ab:	andonment procedure
□Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in place	
□Geothermal (Heating/Cooling Return)	□Other (explain under 7g)	Treffile grouted casing in p	Diace
5a, Well location: Exxon Mobil		9 Conditional C	
Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	
5009 Summit Ave, Greenst	oro, NC 27405	The	129/13
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well O	Owner Date
Guilford	6	By signing this form, I hereby certify tha	nt the well(s) was (were) abandoned in
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.	
<ol> <li>Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)</li> </ol>	lutes/seconds or decimal degrees:	9. Site diagram or additional well details	s:
	743330 w	You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.	
CONSTRUCTION DETAILS OF WELL  Attach well construction record(s) if available.		SUBMITTAL INSTRUCTIONS	
wells ONLY with the some construction/abandonn  6a. Well ID#: MW-11		10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:	
ba. Well ID#:	-	District FW-to December	Tofannostina Parancia - VIII
6b. Total well depth: 36.65	_(ft.)	Division of Water Resources, 1617 Mail Service Center, 1	
Sc. Borehole diameter: 2.0 (in.)		10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:	
id. Water level below ground surface:	(ft.)	Division of Water Resources, Under 1636 Mail Service Center, l	
ie. Outer casing length (if known):(ft.)		10c. For Water Supply & Injection Wel the address(es) above, also submit one of completion of well abandonment to the co	copy of this form within 30 days of
f. Inner casing/tubing length (if known):(ft.)		where abandoned.	

WELL ABANDONMI This form can be used for single or multip		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth			
Well Contractor Name (or well owner personally abandoning well on his/her property)		7a. Number of wells being abandoned: _ For multiple injection or non-water	supply wells ONLY with the san
3544	,,	construction/obandonment, you can submit one j	form.
NC Well Contractor Certification Number		7b. Approximate volume of water remain	ining in well(s):(gal
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONLY	Y:
Company Name		7c. Type of disinfectant used:	
2. Well Construction Permit #:	te, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):		L	
Water Supply Well:		7e. Sealing materials used (check all tha  ☐ Neat Cement Grout	t apply):  ☐ Bentonite Chips or Pellets
□Agricultural	□Municipal/Public	☐ Sand Cement Grout	☐ Dry Clay
Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Concrete Grout	☐ Drill Cuttings
□Industrial/Commercial	□Residential Water Supply (shared)	List Indian Control Co	☐ Gravel
□Irrigation		☑ Specialty Grout	
Non-Water Supply Well:  ☐Monitoring	□Recovery	☐ Bentonite Slurry	☐ Other (explain under 7g)
Injection Well:	Likeovay	7f. For each material selected above, pro	vide amount of materials used:
□Aquifer Recharge	☐Groundwater Remediation	5 bags	
□Aquifer Storage and Recovery	□Salinity Barrier		
□Aquifer Test	□Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba	andanment procedure.
□Geothermal (Closed Loop)	□Tracer		modment procesure.
□Geothermal (Heating/Cooling Return)	☑Other (explain under 7g)	Air sparge well  Tremie grouted casing in p	
4. Date well(s) abandoned: 10/22/13	3	-	
5a. Well location: Exxon Mobil			
	Facility ID# (if applicable)	8. Certification;	
Facility/Owner Name 5009 Summit Ave, Greens		1	10/19/10
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well O	wner Date
Guilford	6	By signing this form, I hereby certify tha	t the well(s) was (were) abandoned in
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or and that a copy of this record has been pro	2C .0200 Well Construction Standards
5b. Latitude and longitude in degrees/mi	nutes/seconds or decimal degrees:	· ·	
if well field, one lat/long is sufficient)	7.40.500	<ol> <li>Site diagram or additional well details</li> <li>You may use the back of this page to pro-</li> </ol>	
36.145824 <sub>N</sub> 79.	743532 <sub>w</sub>	abandonment details. You may also attach	
CONSTRUCTION DETAILS OF WELI attach well construction record(s) if available.	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS	
wells ONLY with the same construction/abandons  a. Well ID#:	ment, you can submit one form.	10a. For All Wells: Submit this form abandonment to the following:	within 30 days of completion of well
	_	Division of Water Resources, 1617 Mail Service Center, J	
b. Total well depth: 49.0	_(ft.)		Wall of the Control o
c. Borehole diameter: 2.0	_(in.)	10b. <u>For Injection Wells</u> : In addition to above, also submit one copy of this form abandonment to the following:	
d. Water level below ground surface:	(ft.)	Division of Water Resources, Under 1636 Mail Service Center, I	
e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection Wel the address(es) above, also submit one of completion of well abandonment to the of	copy of this form within 30 days of
f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	,
g. Screen length (if known):	(ft.)		

WELL ABANDONMENT RECORD  This form can be used for single or multiple wells		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth			
Well Contractor Name (or well owner personall	y shaudanina wall on his her property)	7a. Number of wells being abandoned For multiple injection or non-water	supply wells ONLY with the some
3544	y availabiling well on misrael projectivy	construction alrandonment, you can submit or	ne form.
NC Well Contractor Certification Number		7b. Approximate volume of water ren	naining in well(s):(gal.)
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ON	LY:
Company Name			
		7c. Type of disinfectant used:	
2. Well Construction Permit #:	te, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):		7d. Amount of disinfectant used.	
Water Supply Well:		7 7e. Sealing materials used (check all the	hat apply):
□Agricultural	□Municipal/Public	☐ Neat Cement Grout	☐ Bentonite Chips or Pellets
Geothermal (Heating/Cooling Supply)	☐Residential Water Supply (single)	☐ Sand Cement Grout	☐ Dry Clay
□Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	☐ Drill Cuttings
□Irrigation		☑ Specialty Grout	☐ Gravel
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)
□Monitoring	□Recovery	7f. For each material selected above, p	provide amount of materials used:
Injection Well:  □Aquifer Recharge	☐Groundwater Remediation	7 bags	
□Aquifer Storage and Recovery	□Salinity Barrier	7 Dage	
□Aquifer Test	□Stormwater Drainage		- 1
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the a	bondonment procedures
□Geothermal (Closed Loop)	□Tracer	The American Control of the Control	abandonment procedure:
☐Geothermal (Heating/Cooling Return)	☑Other (explain under 7g)	Air sparge well Tremie grouted casing in	
4. Date well(s) abandoned: 10/22/13 5a. Well location:			
Exxon Mobil	4	8. Certification:	
Facility/Owner Name	Facility ID# (if applicable)	o. ceruncadon	//
5009 Summit Ave, Greens	boro, NC 2/405	1/6-	10/29/13
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well	Owner Date
Guilford			hat the well(s) was (were) abandoned in
County	Parcel Identification No. (PIN)	and that a copy of this record has been p	or 2C .0200 Well Construction Standards rovided to the well owner.
5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)	outes/seconds or decimal degrees:	9. Site diagram or additional well deta	ile.
	743422 <sub>w</sub>		rovide additional well site details or well
N Test	W	abandonment details. You may also attac	ch additional pages if necessary.
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available, wells ONLY with the same construction/abandoms	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS	mishing 20 days of any lating Co. 11
6a. Well ID#: AS-2	-	abandonment to the following:	n within 30 days of completion of well
6b. Total well depth: 70.0	_(ft.)		s, Information Processing Unit, r, Raleigh, NC 27699-1617
6c. Borehole diameter: 2.0	_(in.)		to sending the form to the address in 10a m within 30 days of completion of well
6d. Water level below ground surface:	(ft.)		erground Injection Control Program, , Raleigh, NC 27699-1636
6e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection W. the address(es) above, also submit one completion of well abandonnent to the	copy of this form within 30 days of
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	and the country
6g. Screen length (if known):	(ft.)		

WELL ABANDONMI This form can be used for single or multip		For Internal Use ONLY:	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth  Well Contractor Name (or well owner personally abandoning well on his/her property)		7a. Number of wells being abandoned: For multiple injection or non-water construction/abandonment, you can submit one	supply wells ONLY with the same
3544			
NC Well Contractor Certification Number		7b. Approximate volume of water rema	ining in well(s):(gal.)
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONL	Y:
Company Name		7c. Type of disinfectant used:	
2. Well Construction Permit #:		_	
3. Well use (check well use):	is, i aranes, syconom, cloy y miorn	7d. Amount of disinfectant used:	
Water Supply Well:		7c. Sealing materials used (check all tha	t apply):
□Agricultural	□Municipal/Public	☐ Neat Cement Grout	☐ Bentonite Chips or Pellets
☐Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	☐ Sand Cement Grout	☐ Dry Clay
□Industrial/Commercial	☐Residential Water Supply (shared)	☐ Concrete Grout	☐ Drill Cuttings
□Irrigation	0.000.000000000000000000000000000000000	☑ Specialty Grout	☐ Gravel
Non-Water Supply Well:		☐ Bentonite Slurry	☐ Other (explain under 7g)
☐Monitoring Injection Well:	□Recovery	7f. For each material selected above, pro	wide amount of materials used.
□Aquifer Recharge	☐Groundwater Remediation	5 bags	The amount of materials used.
□Aquifer Storage and Recovery		3 bags	
	□Salinity Barrier		
□Aquifer Test	Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the aba	indonment procedure:
Geothermal (Closed Loop)	□Tracer	Air sparge well	
□Geothermal (Heating/Cooling Return)	ØOther (explain under 7g)	Tremie grouted casing in p	lace
5a, Well location: Exxon Mobil		0.004504	
Facility/Owner Name	Facility ID# (if applicable)	8. Certification:	//
5009 Summit Ave, Greens	boro, NC 27405	726	142413
Physical Address, City, and Zip Guilford		Signature of Certified Well Contractor or Well O	
County	Parcel Identification No. (PIN)	By signing this form, I hereby certify that accordance with 15A NCAC 02C .0100 or and that a copy of this record has been pro	2C .0200 Well Construction Standards
5b. Latitude and longitude in degrees/mit	nutes/seconds or decimal degrees:	una that a copy of this record has been pro	vided to the well owner.
(if well field, one lat/long is sufficient)		9. Site diagram or additional well details:	
36.146008 <sub>N</sub> 79.7	743263w	You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.	
CONSTRUCTION DETAILS OF WELL Attach well construction record(s) if available.	For multiple injection or non-water supply	SUBMITTAL INSTRUCTIONS	
wells ONLY with the same construction/abandonn 6a. Well ID#:  AS-3	nent, you can submit one form.	10a. <u>For All Wells</u> : Submit this form within 30 days of completion of well abandonment to the following:	
	-	Division of Water Resources, 1 1617 Mail Service Center, I	
5b. Total well depth: 49.4	_(ft.)	10b. For Injection Wells: In addition to	
Sc. Borehole diameter: 2.0	_(in.)	above, also submit one copy of this form abandonment to the following:	
d. Water level below ground surface:	(ft.)	Division of Water Resources, Underg 1636 Mail Service Center, F	
e. Outer casing length (if known):	(ft.)	10c. For Water Supply & Injection Well the address(es) above, also submit one completion of well abandonment to the co	opy of this form within 30 days of
f. lnner casing/tubing length (if known):	(ft.)	where abandoned.	
g, Screen length (if known):	(ft.)		

WELL ABANDONMENT RECORD This form can be used for single or multiple wells		For Internal Use ONLY:	
2 3 3 3 3 3 3		WELL AD AND CONTENTS DESCRIPTION	
1. Well Contractor Information:		WELL ABANDONMENT DETAILS	
Joshua Ellingworth		7a. Number of wells being abandoned:  For multiple injection or non-water	supply wells ONLY with the sam
Well Contractor Name (or well owner personal)	y abandoning v.ell on his/her property)	construction/abandonment, you can submit one	form.
3544		7b. Approximate volume of water rema	ining in well(s):(gal.
NC Well Contractor Certification Number			
Parratt-Wolff, Inc.		FOR WATER SUPPLY WELLS ONL	
Company Name		7c. Type of disinfectant used: Chlori	ine tablets
2. Well Construction Permit #:		-	
List all applicable well permits (i.e. County, Stat	te, Variance, Injection, etc.) if known	7d. Amount of disinfectant used:	
3. Well use (check well use):			
Water Supply Well:		7e. Sealing materials used (check all tha	
□Agricultural	□Municipal/Public	□ Neat Cement Grout	☐ Bentonite Chips or Pellets
☐Geothermal (Heating/Cooling Supply)	□Residential Water Supply (single)	□ Sand Cement Grout	Dry Clay
☑Industrial/Commercial	□Residential Water Supply (shared)	☐ Concrete Grout	□ Drill Cuttings
□Irrigation		☑ Specialty Grout	□ Gravel
Non-Water Supply Well:	ПРесомер	☐ Bentonite Slurry	☐ Other (explain under 7g)
Injection Well:	□Recovery	7f. For each material selected above, pro	ovide amount of materials used:
☐ Aquifer Recharge	☐Groundwater Remediation	6-1/2 bags	4
☐Aquifer Storage and Recovery	□Salinity Barrier		
□Aquifer Test	□Stormwater Drainage		
□Experimental Technology	□Subsidence Control	7g. Provide a brief description of the abs	andonment procedure:
□Geothermal (Closed Loop)	□Tracer	Tremie grouted casing in place	
Geothermal (Heating/Cooling Return)	□Other (explain under 7g)	Treffile groated casing in p	Diace
4. Date well(s) abandoned: 10/22/13 5a. Well location: Exxon Mobil			
	To The Total Control of the Control	8. Certification:	
Facility/Owner Name	Facility ID# (if applicable)	0	. / /
2710 Pindals Road, Green	SD010, NC 27405		10/29/13
Physical Address, City, and Zip		Signature of Certified Well Contractor or Well O	wner Date
Guilford		By signing this form, I hereby certify that	
County	Parcel Identification No. (PIN)	accordance with 15A NCAC 02C .0100 or and that a copy of this record has been pro	
5b. Latitude and longitude in degrees/min (if well field, one lat/long is sufficient)	nutes/seconds or decimal degrees:	O Site diament or additional wall details	
2. 마이트	741523 w	<ol> <li>Site diagram or additional well details:</li> <li>You may use the back of this page to provide additional well site details or well</li> </ol>	
N 10.1	W	abandonment details. You may also attach	additional pages if necessary.
CONSTRUCTION DETAILS OF WELL		SUBMITTAL INSTRUCTIONS	
Attach well construction record(s) if available, wells ONLY with the same construction/abandonn		10a, For All Wells: Submit this form	within 30 days of completion of wall
6a. Well ID#: SW-4	State Control of the	abandonment to the following:	within 30 days of completion of wen
6b. Total well depth: 67.0 (ft.)		Division of Water Resources, Information Processing Unit, 1617 Mail Service Center, Raleigh, NC 27699-1617	
6c. Borehole diameter: 4.0 (in.)		10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:	
6d. Water level below ground surface:	(ft.)	Division of Water Resources, Underground Injection Control Program, 1636 Mail Service Center, Raleigh, NC 27699-1636	
6e. Outer casing length (if known); 48.0 (ft.)		10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county	
6f. Inner casing/tubing length (if known):	(ft.)	where abandoned.	

6g. Screen length (if known):

\_\_\_\_\_(ft.)