OTTER EXPLORATION, INC.

422 Crescent Park
Warren, PA 16365
Phone: 814-723-8640
Fax: 814-723-8645

December 20, 2007

Mr. Stephen Platt
National Expert, UIC Program
Office of Compliance and Enforcement
3WP32
1650 Arch St.
Philadelphia, PA 19103-2029

Re: Application for Region III
Enhanced Oil Recovery
Section III Well Number 3-87
Lafayette Township, McKean County, PA

Dear Mr. Platt:

In October of 2007 we completed a successful injection test in Well No. 3-87. Please accept this letter as our application for two (2) injection wells with Well No. 3-87 to be the first completed, as a Class II Type R EOR injection well. The proposed project details are listed below:

1) The five old wells within the 1320' radius of Well No. 3-87 will be registered and a rig will be mobilized to each old well. Depending on the downhole situation, each old well shall be plugged or a 3½" casing string will be run with a packer below 500' to isolate all the fresh water zones. A string of 1 ½" tubing shall be installed to monitor fluid levels
2) Brine water will be injected into Well No. 3-87 for a six month period. Daily injection is estimated at 150 BWPD. The proposed flooding zones are the Bradford Third and Lewis Run.
3) The production response in Wells 3-54 and 3-82 will be closely monitored. If the water flood exhibits a positive economic response, the offset Wells 3-66, 3-67, 3-68, and 3-89 will be drilled and completed as producing wells in the Phase I drilling program. If the flood reveals a negative economic result, we shall re-apply to the EPA to classify Well No. 3-87 as a Class II Type D fluid disposal well. The two offset Wells 3-54 and 3-82 would be plugged as part of the fluid disposal well program. If the Phase I program is economically successful we would apply for a second EOR injection well (3-81) with drilling (Phase II) five additional offset production wells (3-86, 3-82, 3-95, 3-79, and 3-69).

4) A bond (or other approved financial instrument) in the amount of $5,000.00 to cover the plugging of 3-87 will be prepared and in place prior to the base draft permit being issued.
5) The proposed injection zones are the Bradford Third (1846' to 1973') and the Lewis Run (1975' to 1987'). Both formations are in the Devonian System, Upper Devonian Series, and the Canadaway Group. The Lewis Run was notched at 1978' and 1984'. The notch at 1978' broke at 3150 psig and was fraced with 7368 gallons of water at an average pressure of 2000 psig. The Lewis Run notch at 1984' was not fraced.
6) The average daily volume of injected brine is estimated at 100 BWPD. The maximum daily rate would be 200 BWPD. The average injection pressure at 100 psig with the maximum injection pressure at 375 psig. The injection fluid shall be produced brine from the existing producing wells on the lease (Warrants 3437, 2276, and 2277). The chemical analysis of the brine is attached.
7) There shall be no fracturing procedures completed (other than the frac completed at 1978').
8) Injection fluid shall be stored in two (2) 210 bbl tanks and a 170 Hp pump (V-8 Chevy motor) used to inject the brine.
9) Details of the casing, hole size, cementing, and downhole data are attached.
10) The injection pressure shall be monitored and recorded daily. The production and well data from the two (2) offset wells (3-54 and 3-82) shall be monitored for excessive pressures or leaks. The annular pressure (7" casing x 3 ½" casing) and (3 ½" casing x 1 ½" pipe) shall be monitored daily for pressure rises or fluid influx. Appropriate shut ins shall occur if conditions warrant action. Verbal notification of mechanical failure will be provided within 24 hours to the EPA and in writing with 7 days.
11) A plugging and abandonment plan is attached.

The purpose of this EOR application is too prove the response and potential oil production in the existing two offset wells to Well No. 3-87 with an immediate drilling program to increase the number of producing wells surrounding the injection well. If economic success is not realized, an application to re-classify Well No. 3-87 will be completed as previously discussed. The purpose for the re-classification will be to dispose of brine produced on the lease. The disposal well would not be used as commercial operation for third party use, but as a disposal well for Swamp Angel Energy's brine production.

Please eall me (330-807-0050) if additional information is required.

Sincerely,

John McNally

OMB No. 2040-0042 Approval Expires 4/30/07

EPA

United States Environmental Protection Agency

Underground Injection Control Permit Application

(Collected under the authority of the Safe Drinking Water Act. Sections 1421, 1422, 40 CFR 144)

I. EPA ID Number			
		T/A	C
U			

Read Attached Instructions Before Starting

For Official Use Only

Application approved mo day year	Date received mo day year	Permit Number	Well ID	FINDS Number

II. Owner Name and Address

Owner Name	Street Address	Phone Number	City	State	ZIP CODE
Swamp Angel Energy, LLC	2414 N. Woodlawn, Suite 160	(316) 688-5570	Wichita	KS	67220

III. Operator Name and Address

Owner Name	Street Address	Phone Number	City	State	ZIP CODE
Otter Exploratiion	104 College St.	(330) 807-0050	Hudson	OH	44236

IV. Commercial Facility	V. Ownership	VI. Legal Contact	VII. SIC Codes
[x] Yes [ ] No	[ ] Private [ ] Federal [ ] Other	[ ] Owner [ ] Operator	1311

VIII. Well Status *(Mark "x")*

[x] A. Operating	Date Started mo day year	[ ] B. Modification/Conversion	[ ] C. Proposed

IX. Type of Permit Requested *(Mark "x" and specify if required)*

[x] A. Individual [ ] B. Area	Number of Existing Wells	Number of Proposed Wells	Name(s) of field(s) or project(s)

X. Class and Type of Well *(see reverse)*

A. Class(es) (enter code(s))	B. Type(s) (enter code(s))	C. If class is "other" or type is code 'x,' explain	D. Number of wells per type (if area permit)

XI. Location of Well(s) or Approximate Center of Field or Project

Latitude Deg	Min	Sec	Longitude Deg	Min	Sec	Township and Range Sec	Twp	Range	1/4 Sec	Feet From	Line	Feet From	Line
41	52	27	78	41	05								

XII. Indian Lands (Mark 'x')

[ ] Yes [x] No

XIII. Attachments

(Complete the following questions on a separate sheet(s) and number accordingly; see instructions)

For Classes I, II, III, (and other classes) complete and submit on a separate sheet(s) Attachments A--U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application.

XIV. Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

A. Name and Title *(Type or Print)*	B. Phone No. *(Area Code and No.)*
John McNally	(330) 807-0050
C. Signature	D. Date Signed
	12/06/2007

EPA Form 7520-6 (Rev. 8-01)

ATTACHMENT A

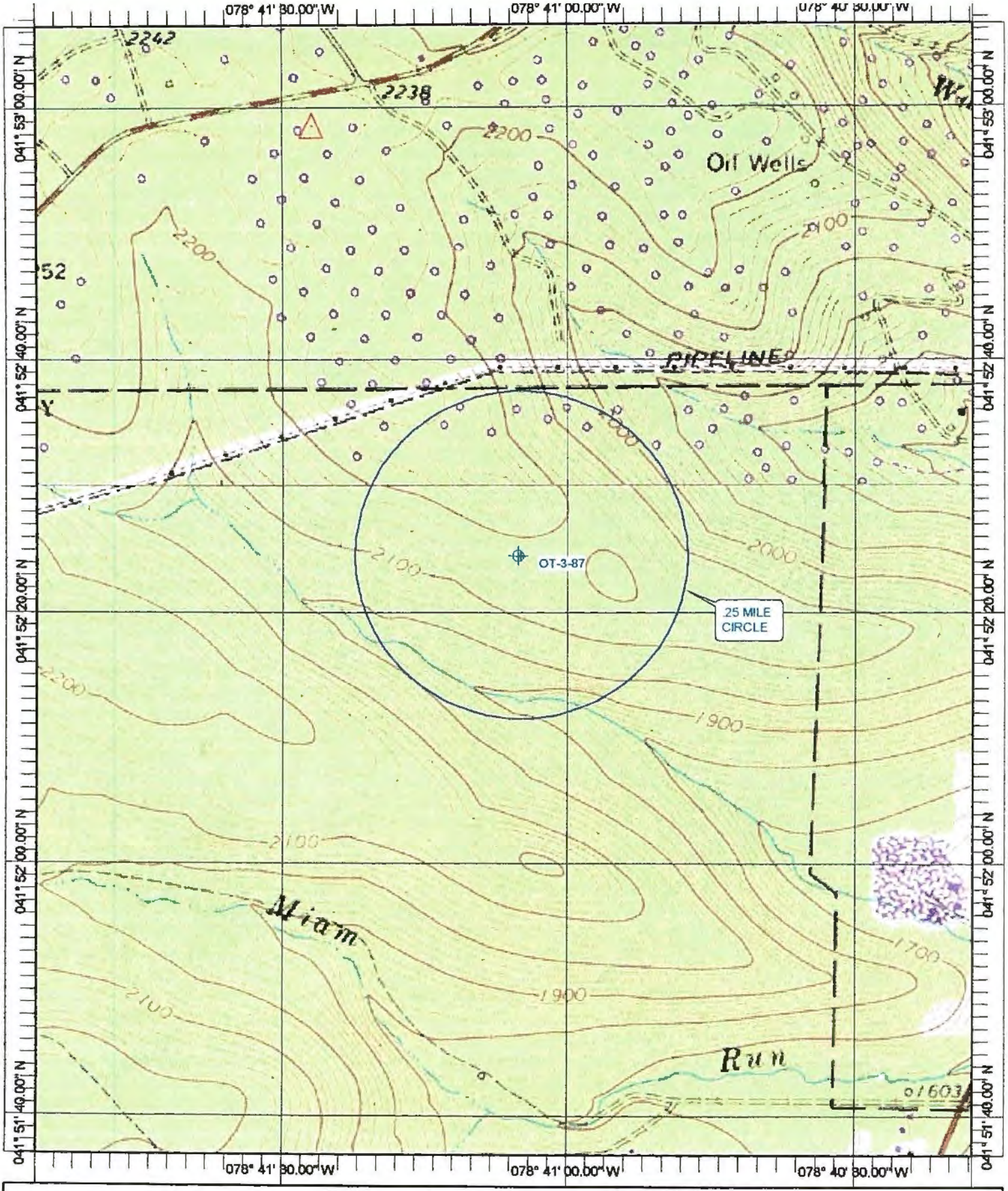
AREA OF REVIEW METHODS

The attached maps are a fixed radius of ¼ mile from the proposed EOR Injection Well.

MAP 1 – ¼ mile topo map.

MAP 2 – ¼ mile showing all known wells.

MAP 3 – ¼ mile showing proposed future programs

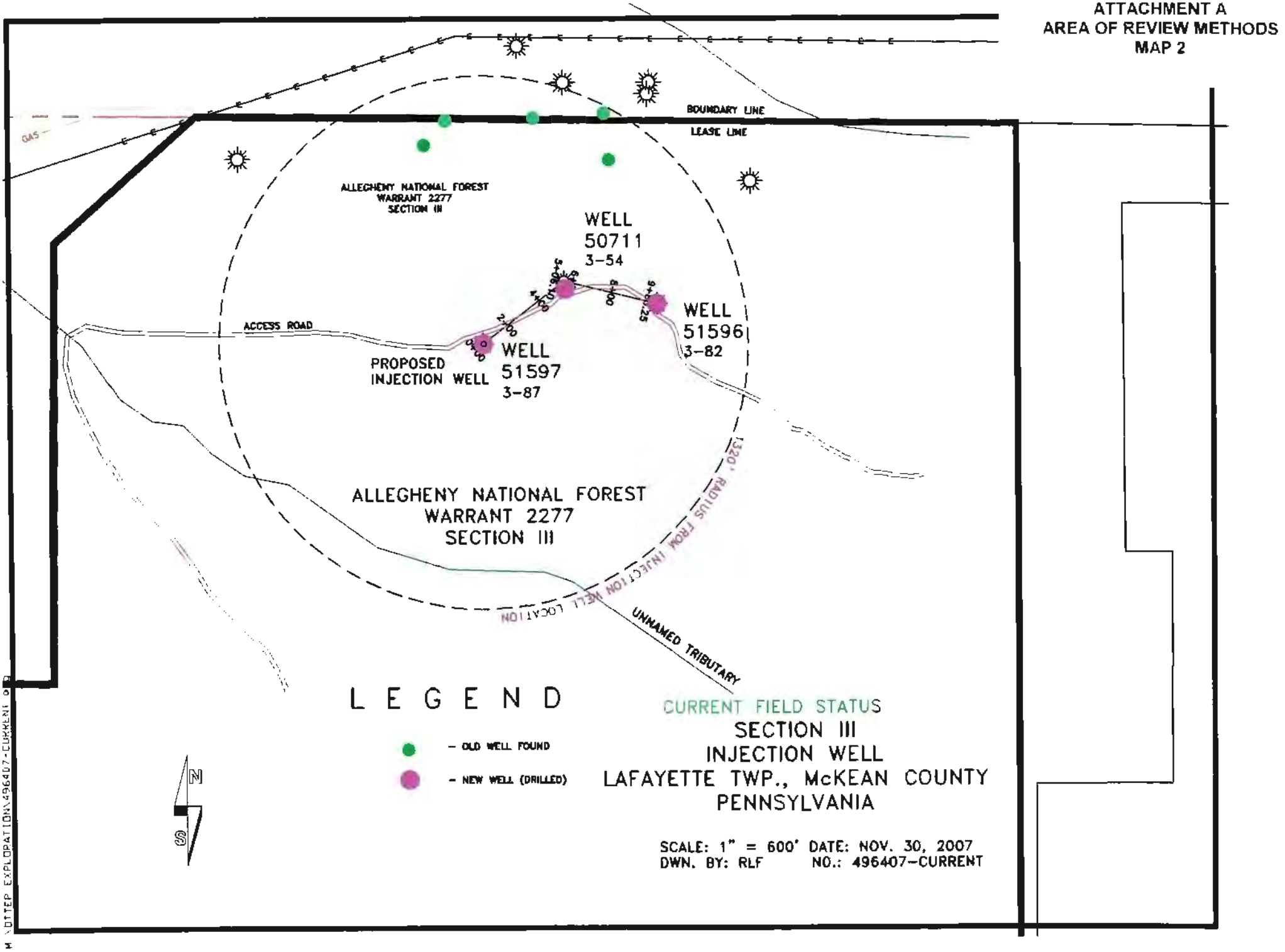


Name: LEWIS RUN
Date: 11/30/2007
Scale: 1 inch equals 1000 feet

Location: 041° 52' 21.67" N 078° 41' 06.89" W
Caption: OTTER EXPLORATION, INC.
1320 CIRCLE

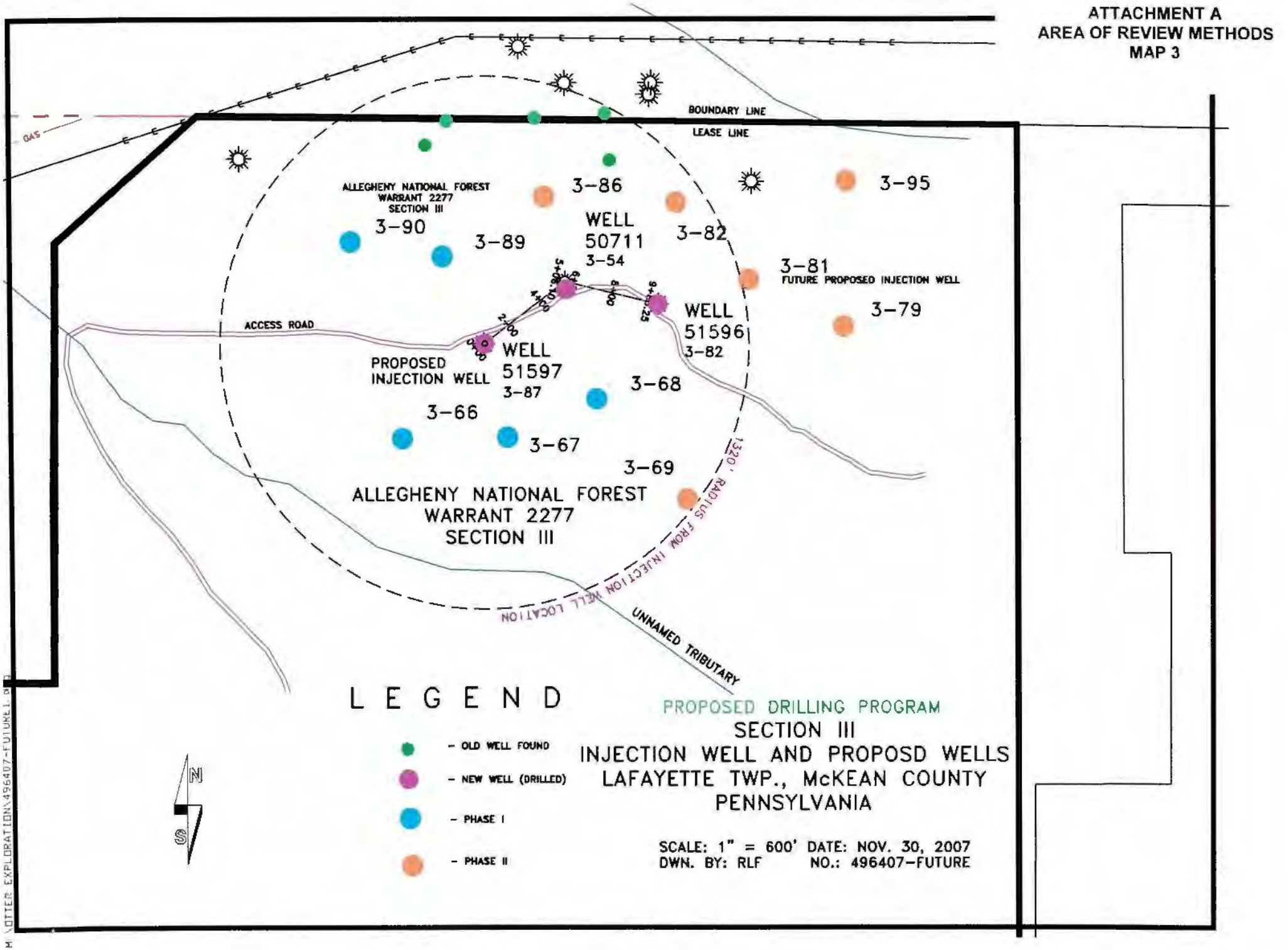
ATTACHMENT A
AREA OF REVIEW METHODS
MAP 1

ATTACHMENT A
AREA OF REVIEW METHODS
MAP 2



\DITEP EXPLORATION\496407-CURRENT.DWG

ATTACHMENT A
AREA OF REVIEW METHODS
MAP 3

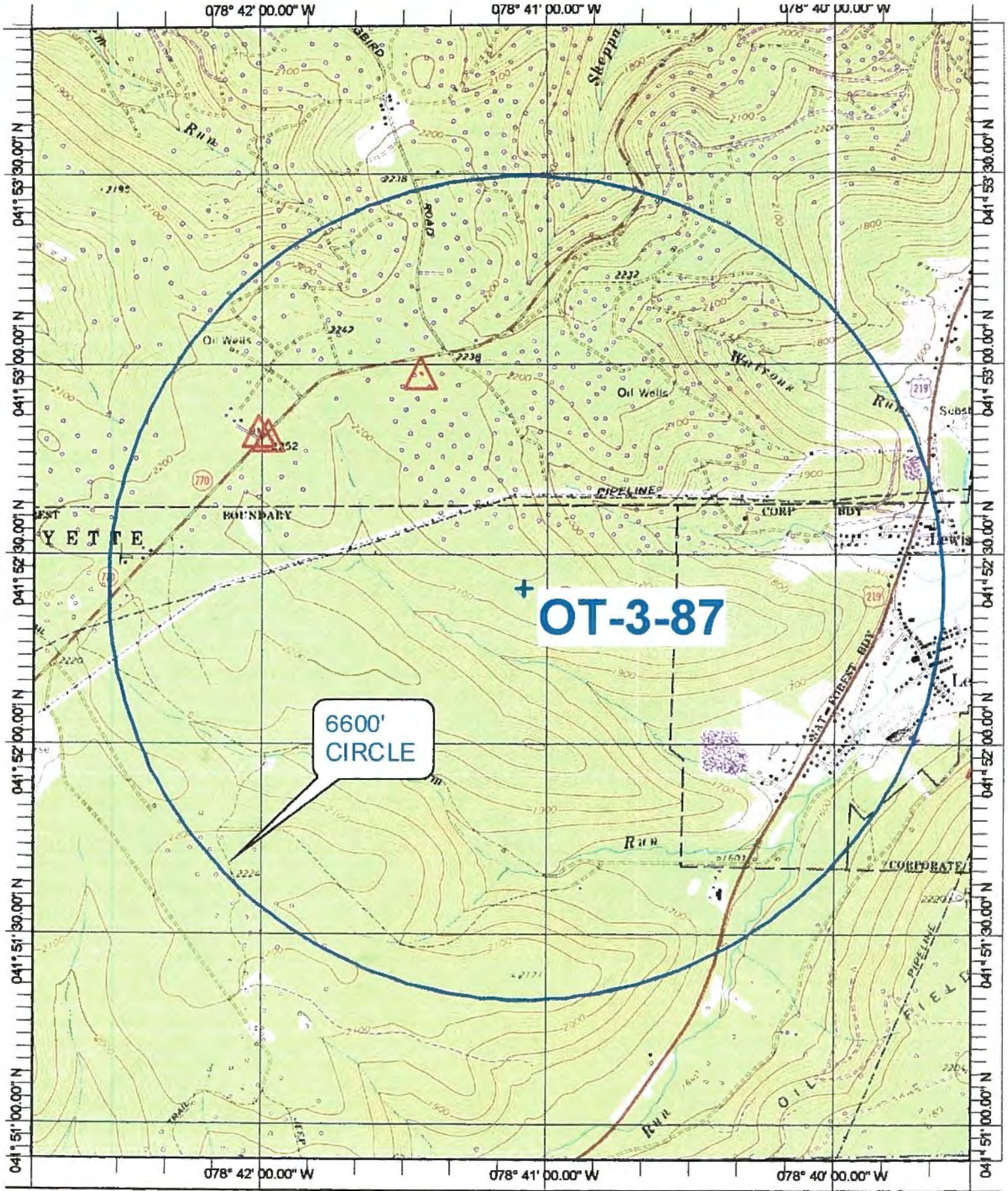


M:\OTTER EXPLORATION\496407-FUTURE.DWG

ATTACHMENT B

AREA OF REVIEW METHODS

Attached is a map showing a one (1) mile radius extended from the ¼ mile area of review.



Name: LEWIS RUN
Date: 11/30/2007
Scale: 1 inch equals 2000 feet

Location: 041° 52' 24.02" N 078° 41' 10.10" W
Caption: OTTER EXPLORATION, INC.
1320 CIRCLE

ATTACHMENT C

CORRECTION ACTION PLAN AND WELL DATA

There are eight (8) wells (including the proposed EOR Injection Well) within the area of review. A description of each well is listed below.

1. Well No. 3-87 – this the proposed EOR Injection Well. The drilling was completed 10/15/06 and all the pertinent completion data is attached.

2. Well No. 3-54 – this is a producing well that will be monitored for a flood response. The drilling was completed 10/15/05 and all the pertinent completion data is attached.

3. Well No. 3-82 – this is a producing well that will be monitored for a flood response. The drilling was completed 11/2/06 and all the pertinent completion data is attached.

4. There are five (5) additional old wells that were located within the ¼ mile area of review. There is no known well information for these five (5) old wells. Each of these wells shall be registered with the Pennsylvania DEP. A rig will be mobilized on each well to determine well deptbs and downhole condition. Depending on the conditions found, each well shall be plugged or an isolation casing string (3-1/2") with a string of tubing will be installed and monitored for fluid levels.

5500-FM-OG0004 Rev. 2/2001

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

WELL RECORD AND COMPLETION REPORT

Well Operator	DEP ID#	Well API # (Permit / Reg)	Project Number	Acres
Otter Exploration, Inc.	207300	37-0083-50711-00		

Address	Well Farm Name	Well #	Serial #
104 College St.	Section III	3 54	

City	State	Zip Code	County	Municipality
Hudson	OH	44236	McKean	Lafayette

Phone	Fax	USGS 7.5 min. quadrangle map
814-723-8640	814-723-8645	Lewis Run

Check all that apply: ☐ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☐ Gas ☐ Oil ☒ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
10/17/05	10/18/05	2200 ft.	2100 ft.	2100 ft.

Casing and Tubing

Cement returned on surface casing? ☒ Yes ☐ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
10 3/4	9 5/8'	25	Thread	22'	n/a	n/a	n/a	n/a	10/17/05
8 3/4	7'	17	Thread	519	Cement - 100 saks Class A	n/a	n/a	259/489	10/17/05
6 1/4				2100					10/18/05
Tubing	1 1/2"			2086					11/11/05
Rods	5/8"			2054					11/11/05

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
	See Attached					

Natural Open Flow	Natural Rock Pressure	Hours	Days
After Treatment Open Flow	After Treatment Rock Pressure	Hours	Days

Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name	Name	Name
Appalachian Well Service	R&R Ventures	Olson Drilling
Address	Address	Address
PO Box 636	15640 Tionesta Rd.	626 Greendale Rd
City - State – Zip	City - State – Zip	City - State – Zip
Indiana, PA 15701	Pleasantville, PA 16341	Kane, PA 16735
Phone	Phone	Phone
724-354-4400	814-589-7051	814-837-9480

LOG OF FORMATIONS

Well API#: **370835071100**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Over Burden	1	25				
Gray Shale	25	340			Fresh @ 50'	
Red Rock & Gray Shale	340	450				
Shale	450	670				
Sand	670	700				
Shale	700	750				
Pink Rock	750	1060				
Shale	1060	1290				
Bradford 1st	1290	1320				
Shale	1260	1360				
Clarendon	1360	1400				
Shale	1400	1550				
Bradford 2nd	1550	1580				
Shale	1580	1730				
Harrisburg Run	1730	1760				
Shale	1760	1870				
Bradford 3rd	1870	1900				
Shale	1900	2000				
Lewis Run	2000	2010				
Shale	2010	2100				
TD		2100				

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

President

Title: President

Date: 12/6/07

DEP USE ONLY

Reviewed by:

Date:

Comments:

SUPERIOR WELL SERVICES
PO BOX 458
BLACK LICK, PA 15716
724-248-1001 TELEPHONE
724-248-1005 FACIMILE
superiorwells.com

********** CUSTOMER & WELL INFORMATION **********

3132	11/11/2005
OTTER-EXPLORATION	SECTION-III-NO-3-54
PENNSYLVANIA	MCKEAN COUNTY
DOUG PERRY	
3-1/2;NPT;J-55; 9.20# -	NONE -

********** TREATMENT SUMMARY **********

Finish	Formation	Top Interval	Low Interval	Treatment	Flush	
STAGE: 1	05:13:22 AM	BRADFORD 1ST	1299.5 FEET	50 SKS	48 GAL	948 GAL
STAGE: 4	05:51:24 AM	CLARENDO N-KINZ	1366 FEET	90 SKS	7500 GAL	999 GAL
STAGE: 5	06:33:58 AM	CLARENDO N-DEWD	1398 FEET	50 SKS	4800 GAL	1050 GAL
STAGE: 6	07:51:02 AM	CLARENDO N-DEWD	1402 FEET	80 SKS	6800 GAL	1052 GAL
STAGE: 7	08:38:57 AM	CHIPMUNK SAND	1561.5 FEET	70 SKS	6800 GAL	1100 GAL
STAGE: 8	09:08:13 AM	CHIPMUNK SAND	1586 FEET	50 SKS	4800 GAL	1100 GAL
STAGE: 9	10:16:43 AM	BRADFORD-2-ND-	1933.5 FEET	70 SKS	6300 GAL	1200 GAL
STAGE: 10	10:54:34 AM	LEWISRUN	2006 FEET	70 SKS	6300 GAL	1200 GAL
STAGE: 11	12:03:12 PM	LEWISRUN	2010 FEET	0 SKS	6300 GAL	1200 GAL

APPALACHIAN WELL SERVICES INC.

REMIT TO:
P. O. Box 636
Indiana, PA 15701

INVOICE NO. AWS – 01 № 7750

Terms: Net 30 days. Finance charge 1.5% per month on past due accounts.

DATE	LEASE	COUNTY	STATE
10-17-05	Sect 14-3-54	mahon	PA

CUSTOMER ORDER NO.	FIELD	FORMATION	TYPE
			7" Surface

OWNER: Swamp Angel

DRILLING CONTRACTOR: Olson Drilling

CHARGE TO: Swamp Angel Energy

ARRIVED ON LOCATION: Time 2:30 pm Date 10-17

LEFT LOCATION: Time 4:15 pm Date 10-17

ADDRESS: c/o John McNally
104 College Street
Hudson OH 44236

JOB TYPE: 7" Surface

DEPTH: 515

SERVICE ENGINEER: John Olson

I have read, understood and agreed to the terms and conditions printed on the reverse side hereof and represent that I have full power and authority to execute this service order.

BY _____ X John Olson
AUTHORIZED AGENT

QUANTITY	U/M	DESCRIPTION	UNIT PRICE	AMOUNT
10.0	mi	Pump mileage	4 60	46 00
10.0	mi	Pick-up mileage	3 00	30 00
1.0	4hr	Pump charge	1350 00	1350 00
100.0	sks	Standard Cement	12 35	1235 00
1.0	QT	Bentonite Gel	36 50	36 50
40.0	Lbs	Bentonite	2 65	106 00
3.0	cwt	Calcium Chloride	78 50	235 50
50.0	Lbs	Cellaflake	3 75	187 50
100.0	cuft	Blending charge	2 00	200 00
1.0	min	Delivery charge	325 00	325 00

CUSTOMER
BY John Olson
AUTHORIZED AGENT

RECEIPT: The above hereby certifies that the equipment and services above listed were received by him and the services performed in a workmanlike manner.

SUB TOTAL	3751 50
Less 20% disc	- 750 30
Fuel Surcharge	100 00
PAY THIS AMOUNT	3101 20

5500-FM-OG0004 Rev. 2/2001

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

WELL RECORD AND COMPLETION REPORT

Well Operator	DEP ID#	Well API # (Permit / Reg)	Project Number	Acres
Otter Exploration, Inc.	207300	37-0083-51596-00		

Address	Well Farm Name	Well #	Serial #
104 College St.	Section III	3 82	

City	State	Zip Code	County	Municipality
Hudson	OH	44236	McKean	Lafayette

Phone	Fax	USGS 7.5 min. quadrangle map
814-723-8640	814-723-8645	Lewis Run

Check all that apply: ☐ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD

Also complete Log of Formations on back (page 2)

Well Type ☐ Gas ☐ Oil ☒ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
10/01/06	11/02/06	2170 ft.	2121 ft.	2121 ft.

Casing and Tubing

Cement returned on surface casing? ☐ Yes ☒ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
10 3/4	9 5/8'	25	Thread	20'	n/a	n/a	n/a	n/a	10/01/06
8 3/4	7'	17	Thread	514	Cement - 80 saks Class A	n/a	n/a	257/484	10/01/06
6 1/4				2121					10/12/06
Tubing	1 1/2"			2120					11/02/06
Rods	5/8"			2086					11/02/06

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
	See Attached					

Natural Open Flow	Show of gas	Natural Rock Pressure	75 psig	Hours	3 Days
After Treatment Open Flow	5 mcfpd, oil show	After Treatment Rock Pressure	250 psig	Hours	3 Days

Well Service Companies – Provide the name, address, and phone number of all well service companies involved.

Name	Name	Name
Appalachian Well Service	R&R Ventures	Olson Drilling
Address	Address	Address
PO Box 636	15640 Tionesta Rd.	626 Greendale Rd
City - State – Zip	City - State – Zip	City - State – Zip
Indiana, PA 15701	Pleasantville, PA 16341	Kane, PA 16735
Phone	Phone	Phone
724-354-4400	814-589-7051	814-837-9480

LOG OF FORMATIONS

Well API#: **370835159600**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Over Burden	1	40				
Shale & Sandstone	40	325				
Gray Shale	325	458			Fresh @ 75	
Sandstone & Shale	458	562				
Red Shale	562	643				
Sandstone	643	668				
Shale	668	1270				
Sandstone	1270	1310				
Shale	1310	1390				
Sandstone	1390	1425				
Shale	1425	1530				
Sandstone	1530	1565				
Shale	1565	1860	1775'			
Sand	1860	1920				
Shale	1920	1970				
Sandstone	1970	1990				
Shale	1990	2121				

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

John McNally

Title: President

Date: 12/6/07

DEP USE ONLY

Reviewed by:

Date:

Comments:

OB LOG PAGE 1

APPALACHIAN

INVOICE NO. 4371

DATE 11-2-06

CUSTOMER SWAMP ANGEL WELL #3-52 CSG. 5½"

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5 ?	STAGE 6 S
DEPTH 1275'	DEPTH 1341'	DEPTH 1375'	DEPTH 1554-1557'	DEPTH D.N.F	DEPTH D.N.F
RATE 18	RATE D.N.F	RATE 18⁵	RATE 18⁴	RATE	RATE
PRESSURE 1750	PRESSURE	PRESSURE 1650	PRESSURE 1800	PRESSURE	PRESSURE
HHP —	HHP	HHP —	HHP —	HHP	HHP
SAND 60 SKS	SAND	SAND 70 SKS	SAND 70 SKS	SAND	SAND
FLUID 6990	FLUID	FLUID 5870	FLUID 5720	FLUID	FLUID
ISDP 1900	ISDP	ISDP 1700	ISDP 1300	ISDP	ISDP

TIME	RATE (BPM)	VOLUME (GAL) (BBL)	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF STAGE OR EVENT
415					ON LOCATION
500					SAFETY MEETING
5:50					LOAD HOLE
6:43	0-5	0		2400	BREAKDOWN @ 1275' ATT #1 #1
7:54	3-0	1700		3450	SHUTDOWN (REWASH)
7:06	0-16	0		2350	BREAKDOWN @ 1275' ATT #2 #1
7:11	17⁵	2180		2450	½#
7:13	17⁶	3230		2125	1#
7:14	18	4280		1750	1½#
7:15	18	5300		1650	2#
7:17	18	6930		1600	FLUSH
7:18	18-0	7670		1650	SHUTDOWN (ISDP 1200)
7:57	0-5	0		3500	NO BREAK @ 1341' #2
8:04	5-0	1450		3500	SHUTDOWN (REWASH)
8:22	0-7	0		3500	NO BREAK @ 1341' #2R
8:26	7-0	1610		3500	SHUTDOWN (WASH TO #3
8:55	0-7	0		2325	BREAKDOWN @ 1375' #3
8:56	17⁸	375		2850	½#
8:58	18⁵	1430		1800	1#
8:59	18⁵	2530		1650	1½#
9:02	18⁵	4570		1600	2#
9:03	18⁵	5870		1650	FLUSH
9:04	18-0	6620		1650	SHUTDOWN (ISDP 1300)

CEMENT REPORT

DATE:	10/3/2006	LEASE:	Section 3
OWNER:	Otter Exp	COUNTY:	
WELL NUMBER:	82		

STAGE 1	Pre-Flush	MATERIAL:	Water	
		VOLUME:	20	BBL
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 2	Condition Hole	MATERIAL:	200 lbs Bentonite	
			80 lbs LCM	
		VOLUME:	10	BBL
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 3	Cement	MATERIAL:	Type 1 Class A	
			80 sacks	
		VOLUME:	93	CuFt
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 4	Displace	MATERIAL:	Water	
		VOLUME:	21.2	BBL
		RATE:	2.8	BPM
		PRESSURE:	50	PSI
		CIRCULATION:	no	
STAGE 5		MATERIAL:		
		VOLUME:		
		RATE:		
		PRESSURE:		
		CIRCULATION:		

REMARKS:

CEMENT REPORT

DATE:	10/3/2006	LEASE:	Section 3
OWNER:	Otter Exp	COUNTY:	
WELL NUMBER:	82		

STAGE 1	Pre-Flush	MATERIAL:	Water	
		VOLUME:	20	BBL
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 2	Condition Hole	MATERIAL:	200 lbs Bentonite	
			80 lbs LCM	
		VOLUME:	10	BBL
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 3	Cement	MATERIAL:	Type 1 Class A	
			80 sacks	
		VOLUME:	93	CuFt
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 4	Displace	MATERIAL:	Water	
		VOLUME:	21.2	BBL
		RATE:	2.8	BPM
		PRESSURE:	50	PSI
		CIRCULATION:	no	
STAGE 5		MATERIAL:		
		VOLUME:		
		RATE:		
		PRESSURE:		
		CIRCULATION:		

REMARKS:

5500-FM-OG0004 Rev. 2/2001

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

WELL RECORD AND COMPLETION REPORT

Well Operator	DEP ID#	Well API # (Permit / Reg)	Project Number	Acres
Otter Exploration, Inc.	207300	37-0083-51597-00		

Address	Well Farm Name	Well #	Serial #
104 College St.	Section III	3 87	

City	State	Zip Code	County	Municipality
Hudson	OH	44236	McKean	Lafayette

Phone	Fax	USGS 7.5 min. quadrangle map
814-723-8640	814-723-8645	Lewis Run

Check all that apply: ☐ Original Well Record ☒ Original Completion Report ☐ Amended Well Record ☐ Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type ☐ Gas ☐ Oil ☒ Combination Oil & Gas ☐ Injection ☐ Storage ☐ Disposal

Drilling Method ☒ Rotary – Air ☐ Rotary – Mud ☐ Cable Tool

Date Drilling Started	Date Drilling Completed	Surface Elevation	Total Depth – Driller	Total Depth - Logger
10/10/06	10/15/06	2182 ft.	2123 ft.	2123 ft.

Casing and Tubing

Cement returned on surface casing? ☐ Yes ☒ No
Cement returned on coal protective casing? ☐ Yes ☐ No ☒ N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	*Material Behind Pipe* Type and Amount	*Packer / Hardware / Centralizers* Type	Size	Depth	Date Run
10 3/4	9 5/8'	25	Thread	20'	n/a	n/a	n/a	n/a	10/10/06
8 3/4	7'	17	Thread	510	Cement - 80 saks Class A	n/a	n/a	255/480	10/12/06
6 1/4				2123					10/15/06
Tubing	1 1/2"			2120					11/14/06
Rods	5/8"			2086					11/14/06

COMPLETION REPORT

Perforation Record

Date	*Interval Perforated* From	To

Stimulation Record

Date	Interval Treated	*Fluid* Type	Amount	*Propping Agent* Type	Amount	Average Injection
	See Attached					

Natural Open Flow	Show of gas	Natural Rock Pressure	75 psig	Hours	3 Days
After Treatment Open Flow	5 mcfpd, oil show	After Treatment Rock Pressure	250 psig	Hours	3 Days

Well Service Companies – Provide the name, address, and phone number of all well service companies involved.

Name	Name	Name
Appalachian Well Service	R&R Ventures	Olson Drilling
Address	Address	Address
PO Box 636	15640 Tionesta Rd.	626 Greendale Rd
City - State – Zip	City - State – Zip	City - State – Zip
Indiana, PA 15701	Pleasantville, PA 16341	Kane, PA 16735
Phone	Phone	Phone
724-354-4400	814-589-7051	814-837-9480

5500-FM-OG0004 Rev. 2/2001

LOG OF FORMATIONS

Well API#: **370835159700**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sandstone	1	40				
Shale	40	52				
Sand & Clay	52	278			Fresh @ 80	Show
Sandstone	278	339			Fresh@ 140	Show
Gray Shale	339	401			Fresh@ 155	Show
Sandstone	401	425				
Shale	425	510				
Shale	510	595				
Red Shale	595	640				
Sandstone	640	655	635		Fresh@ 635	Show
Shale	655	1270				
Sandstone	1270	1310	1280			Show
Shale	1310	1390				
Sandstone	1390	1425				
Shale	1425	1530				
Sandstone	1530	1565				
Shale	1565	1860				
Sand	1860	1920				
Shale	1920	1970				
Sandstone	1970	1990				
Shale	1990	2100				

Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:

Title: President

Date: 7/27/07

DEP USE ONLY

Reviewed by:

Date:

Comments:

APPALACHIAN WELL SERVICES INC.

FRACTURING SERVICE
REMIT TO:
P. O. BOX 636
INDIANA, PA 15701

INVOICE NO. AWS – 03 **Nº** 4242

Terms: Net 30 days. Finance charge 1.5% per month on past due accounts.

DATE	LEASE	PERMIT NO.	COUNTY	STATE
November 14, 2006	SECTION III NO 3-87		McKean Co	PA

CUSTOMER ORDER NO.	LAND OWNERS NAME	FIELD	FORMATION	TYPE
			VARIOUS	GAS/Oil

OWNER: Swamp Angel Energy

CHARGE TO: c/o John McNally

ADDRESS: 104 College Street

Hudson OH 44236

	NEW USED	SIZE	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWANCE
CASING	Notches		1276	1984		3500
PERFORATIONS			8 Stg	oh	NO. OF SHOTS	
PERFORATIONS					NO. OF SHOTS	
PERFORATIONS					NO. OF SHOTS	
PERFORATIONS					NO. OF SHOTS	
PERFORATIONS					NO. OF SHOTS	
PERFORATIONS					NO. OF SHOTS	

I have read, understood and agreed to the terms and conditions printed on the reverse side hereof and represent that I have full power and authority to execute this service order.

BY _____ SERVICE ENGINEER Jeff Fraley

ITEM NUMBER	QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
	2	~~Unit~~	FLUID PUMPING CHARGE	5250 00	10500 00
	10	MI.	MILEAGE CHARGE 10 X 4 UNIT(S)	5 00	200 00
		BPM	BLENDER-PROPORTIONER CHARGE	1460 00	1960 00
	—	GAL.	— % — ACID —	—	—
	1	Job	Chemical Delivery	325 00	325 00
	100	LB	WGA -6	11 00	1100 00
	3	GAL	K-mate	75 00	225 00
	1	Job	Release Valve	725 00	725 00
	1	DAY	MONITORING VAN	365 00	365 00
	10	mi	small vehicle mi	3 00	30 00
	320	CWT	SAND PUMP CHARGE	55	176 00
	320	CWT	BULK FRAC SAND	19 40	6208 00
	305	TON MILES	10,000 TOTAL WEIGHT 10 LOADED MILES	1 80	549 00
				SUB TOTAL	22363 00
				Less 46% disc	- 10 33439
				Fuel Surcharge	40000
				PAY THIS AMOUNT	1202876

CUSTOMER BY _____ AUTHORIZED AGENT

RECEIPT: The above hereby certifies that the equipment and services above listed were received by him and the services performed in a workmanlike manner.

APPALACHIAN

INVOICE NO. 4242

DATE November 14, 2006

CUSTOMER Swamp Angel

WELL Section III #3-87 CSG. 3½"

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5	STAGE 6
DEPTH 1276	DEPTH 1288.5	DEPTH 1371	DEPTH 1502.5	DEPTH 1532.5	DEPTH 1978
RATE	RATE 18.5	RATE 19	RATE	RATE 18.3	RATE 15.0
PRESSURE	PRESSURE 1730	PRESSURE 2075	PRESSURE ONF	PRESSURE 2122	PRESSURE 2216
HHP Fraced	HHP —	HHP —	HHP —	HHP —	HHP —
SAND #1 & #2	SAND 70 sks	SAND 80 sks	SAND	SAND 90	SAND 80
FLUID together	FLUID 5573	FLUID 6324	FLUID	FLUID 6583	FLUID 6333
ISDP	ISDP 875	ISDP 925	ISDP	ISDP 970	ISDP 1240

TIME	RATE (BPM)	VOLUME (GAL) (BBL)	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF STAGE OR EVENT
5:10					Safety Meeting
6:00					Load hole & wash pipe
	0-	Ø			Breakdown & est. Rate @ 1276 #1
					½# Frac #1 + 2 together
10:40	0-10	Ø		2225	Breakdown & est Rate @ 1288.5 #2
10:41	18.5	573		2025	½#
10:43	18.5	1573		1750	1# 70sks
10:44	18.5	2573		1650	1½#
10:46	18.5	3573		1625	2#
10:48	18.5	5573		1600	Flush
10:49	18.5	6494		1625	Shutdown & ISDP 875
11:31	0-10	Ø		1700	Breakdown & est. Rate @ 1371 #3
11:32	18.5	574		2650	½#
11:33	19	1574		2100	1# 80 sks
11:35	19	2574		1875	1½#
11:37	19	4574		1850	2#
11:40	19	6324		1900	Flush
11:41	19	7269		1950	Shutdown & ISDP 925

CEMENT REPORT

DATE:	10/7/2006	LEASE:	Section 3
OWNER:	Otter Exp	COUNTY:	
WELL NUMBER:	87		

STAGE 1	Pre-Flush	MATERIAL:	Water	
		VOLUME:	22	BBL
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 2	Condition Hole	MATERIAL:	200 ibs Bentonite	
			80 lbs LCM	
		VOLUME:	10	BBL
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 3	Cement	MATERIAL:	Type 1 Class A	
			80 sacks	
		VOLUME:	95	CuFt
		RATE:	2.8	BPM
		PRESSURE:	0	PSI
		CIRCULATION:	no	
STAGE 4	Displace	MATERIAL:	Water	
		VOLUME:	21.2	BBL
		RATE:	2.8	BPM
		PRESSURE:	150	PSI
		CIRCULATION:	yes	
STAGE 5		MATERIAL:		
		VOLUME:		
		RATE:		
		PRESSURE:		
		CIRCULATION:		

REMARKS: Good cement circulation.

ATTACHMENT D & E

UNDERGROUND DRINKING WATER SOURCES

The underground drinking water sources are within the Pennsylvania Pottsville Formation and the Mississippian Knapp Formation. Attached is a subsurface schematic of all the shallow sandstones that are present in Well 3-87 and its two offsets (3-54 and 3-82). Well 3-87 is the proposed EOR Injection Well. Please refer to Attachment A, Map 2.

ATTACHMENT F

NOT APPLICABLE

ATTACHMENT G

GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES

The Injection Zones shall be the Bradford Third and the Lewis Run formations. Both formations are in the Devonian System, Upper Devonian Series, and the Canadaway Group. There will be no future fracing completed in the proposed EOR Injection Well No. 3-87. The Bradford Third was not fraced during the original completion. The Lewis Run was notched at the 1978' and 1984'. The notch at 1978' broke at 3150 psig and was fraced with 7368 gallons of water at an average pressure of 2000 psig. The instanteous shut in pressure was 1240 psig.

Bradford Thickness:	1846- to 1873'
Lewis Run Thickness:	1975' to 1987'

There is a confirming shale section from 1500' to 1845' that is above the cemented casing seat at approximately 1830'. Attached is a log of Well No. 3-87 showing this shale section and the complete well.

SUPERIOR WELL SERVICES

G/R DENSITY
TEMP NEUTRON
INDUCTION

Company OTTER EXPLORATION, INC.

Well SECTION III # 3 - 87

Field LEWIS RUN QUADRANGLE

County M[illegible]EAN State PA

Location: API #: 3[illegible]-51597

LAT. 41-52-24.4300
LONG. -78-41-4.7500
SOUTH 563' WEST4899'
SEC TWP RGE

Other Services
TIF
LAS
20'

Elevation
K.B.
D.F.
G.L. NA

Company OTTER EXPLORATION, INC.
Well SECTION III # 3 - 87
Field LEWIS RUN QUADRANGLE
County MCKEAN
State PA

Permanent Datum Elevation 2182'
Log Measured From TOP OF 7" CSG
Drilling Measured From DRILL FLOOR

Date	10-23-2006
Run Number	1
Depth Driller	N/A
Depth Logger	2123'
Bottom Logged Interval	2123'
Top Log Interval	45'
Casing Driller	7" @ 510'
Casing Logger	7" @ 512'
Bit Size	6.25
Type Fluid in Hole	FLUID LEVEL @ 1930'
Density / Viscosity	N/A
pH / Fluid Loss	N/A
Source of Sample	N/A
Rm @ Meas. Temp	N/A
Rmf @ Meas. Temp	N/A
Rmc @ Meas. Temp	N/A
Source of Rmf / Rmc	N/A
Rm @ BHT	N/A
Time Circulation Stopped	4HRS
Time Logger on Bottom	N/A
Maximum Recorded Temperature	N/A
Equipment Number	241
Location	BRADFORD
Recorded By	S. RUSSELL
Witnessed By	

ATTACHMENT H

OPERATING DATA

The average daily volume of injected brine is estimated at 100 BWPD. The maximum daily rate would be 200 BWPD. The average injection pressure at 100 psig with the maximum injection pressure at 375 psig. The injection fluid shall be produced brine from the existing producing wells on the lease (Warrants 3437, 2276, and 2277). The annulus fluids to be used shall be fresh water with corrosion inhibitor. Attached is the analysis of the physical and chemical characteristics of the injection fluid provided by Microbac Laboratories, Inc.

Microbac

® Microbac Laboratories, Inc.
ERIE DIVISION
1962 WAGER ROAD
ERIE, PA 16509
(814) 825-8533 FAX (814)825-9254
MARK MATROZZA , MANAGING DIRECTOR
http://www.microbac.com E-Mail: erie@microbac.com

STATE CERT ID.
25-067, 10121
C-PA-05

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS
WATER · AIR · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS

CERTIFICATE OF ANALYSIS

OTTER EXPLORATION INC.
MR. JOHN MCNALLY
104 COLLEGE STREET
HUDSON,OH 44236

Date Reported	12/26/2007
Date Received	12/7/2007
Order Number	0712-01124
Invoice No.	38184
Cust #	082337

Permit No.
Cust P.O.

SUBJECT: INJECTION FLUID CLASS II SAMPLE ANALYSIS

TEST	METHOD	RESULT	UNITS	ANALYSIS DATE	TIME	TECH	ACCRED.
001 **INJECTION FLUID**							
PH -EXCEEDS 15MIN HOLD TIME	SM20 4500H-B	6.2	UNITS	12/7/2007	15:20	CMC	⌘
SPECIFIC GRAVITY	ASTM D 1429	1.02		12/13/2007	15:07	CAP	
CHLORIDE	EPA 325.3/ASTM D512-89A	15,400	MG/L	12/12/2007	14:00	CAP	
ALKALINITY AS CACO3	SM 2320B	55	MG/L	12/10/2007	9:30	JFR	⌘
SOLIDS, DISSOLVED	SM 2540C	31000	MG/L	12/11/2007	16:30	CP	
CONDUCTANCE, SPECIFIC	EPA 1979 120.1	39100	UMHOS/CM	12/7/2007	16:30	CAP	
002 **INJECTION FLUID**							
Metals by ICP	EPA 200.7			12/19/2007	14:55	MWR	
Barium	EPA 200.7	2.55	MG/L	12/19/2007	14:55	MWR	⌘ ◆
Iron	EPA 200.7	77.7	MG/L	12/19/2007	14:55	MWR	⌘
Magnesium	EPA 200.7	309	MG/L	12/19/2007	14:55	MWR	⌘
Manganese	EPA 200.7	2.27	MG/L	12/14/2007	14:55	MWR	⌘
Sodium	EPA 200.7	6140	MG/L	12/19/2007	14:55	MWR	⌘
HARDNESS, as CaCO3	EPA 1979 ICP 200.7	6130	MG/L	12/19/2007	14:54	MWR	
003 **INJECTION FLUID - NO SAMPLE RCVD FOR DISSOLVED OXYGEN. NO AIR TIGHT CONTAINER WAS PROVIDED.**							
NO SAMPLE AVAILABLE						CMC	
004 **INJECTION FLUID**							
TOC (TOTAL ORGANIC CARBON)	SM18 5310C	7000	MG/L	12/12/2007	9:44	OST	
005 **INJECTION FLUID**							
SULFIDE	EPA1979 376.1-2	0.11	MG/L	12/18/2007	16:15	OST	

SAMPLE WAS RECEIVED IN A GALLON JUG. ALL SAMPLE PRESERVATION WAS DONE AT LAB.

THE TECH INITIALS "OST" (OUTSIDE TESTING) INDICATE THAT THE TOTAL ORGANIC CARBON ANALYSES WERE SUB-CONTRACTED TO MICROBAC, CAMP HILL DIVISION.

Microbac

® Microbac Laboratories, Inc.
ERIE DIVISION
1962 WAGER ROAD
ERIE, PA 16509
(814) 825-8533 FAX (814)825-9254
MARK MATROZZA , MANAGING DIRECTOR
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CERTIFICATE OF ANALYSIS

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Invoice No.	38184
Cust #	082337

Permit No.
Cust P.O.

SUBJECT: INJECTION FLUID CLASS II SAMPLE ANALYSIS

TEST	METHOD	RESULT	UNITS	ANALYSIS DATE	TIME	TECH	ACCRED.

THE TECH INITIALS "OST" (OUTSIDE TESTING) INDICATE THAT THE SULFIDE ANALYSES WERE SUB-CONTRACTED TO MICROBAC, CHICAGOLAND DIVISION.

Mark A Matrozza
Managing Director

Cheri A Brolaski
Laboratory Director

COPY

All samples received in proper condition and results conform to ISO 17025 standards unless otherwise noted

Accred.

⌘ This symbol at the end of the test line means the test analysis met the requirements of NELAC (PA ID 25-00067)

❖ This symbol at the end of the test line means the test analysis met the requirements of AIHA (ID 100386)

◆ This symbol at the end of the test line means the test analysis met the requirements of NY ELAP (NY ID 10121)

ABBREVIATIONS:

TNTC	= Too Numerous To Count	MG/KG	= Milligram per Kilogram (PPM)
UG/L	= Micrograms per Liter (PPB)	CFU	= Colony Forming Unit
UG/KG	= Micrograms per Kilogram (PPB)	ND	= Not detected at or below the reporting limit
MG/L	= Milligrams per Liter (PPM)	TIC	= Tentatively Identified Compound
1000 UG	= 1 MG	"<"	= less than (also see "ND")
Positive	= Bacteria or target analyte detected	Negative	= Bacteria or target analyte not detected

For any feedback concerning our services, please contact Mark Matrozza, Managing Director at mmatrozza@microbac.com or Trevor Boyce President at president@microbac.com

ATTACHMENT I

FORMATION TESTING PROGRAM

There will be a pressure gauge on the 3-1/2" X 1-1/2" annulus and on the 3-1/2" x 7" annulus. These pressures will be recorded daily to monitor any pressure increase.

The pressure on the 1-1/2" injection pipe will also be recorded daily to insure the injection pressure at the surface does not exceed 375 psig.

The physical characteristics of the injection fluid is included in Attachment H. The Bradford Third is a 27' thick sandstone with an average porosity of approximately 14%. The Lewis Run is a 11' thick sandstone with an average porosity of approximately 16%. Permeability is not known. Because the maximum surface injection pressure is 375 psig, fracture pressures will not be reached and no fractures will be created.

ATTACHMENT J

THERE WILL BE NO STIMULATION PROGRAMS

ATTACHMENT K

INJECTION PROCEDURES

The brine will be collected on the lease from several existing brine storage tanks and transported by truck to the existing Well No. 3-87 injection site. There are two (2) 210 bbl storage tanks for the brine to be injected. The brine will a gravity fed through a filter and a water meter. The fluid will be injected into the well by a 170 Hp V-8 Chevy pump. The injection pressure and volume of injected brine will be recorded daily.

ATTACHMENT L

CONSTRUCTION PROCEDURES

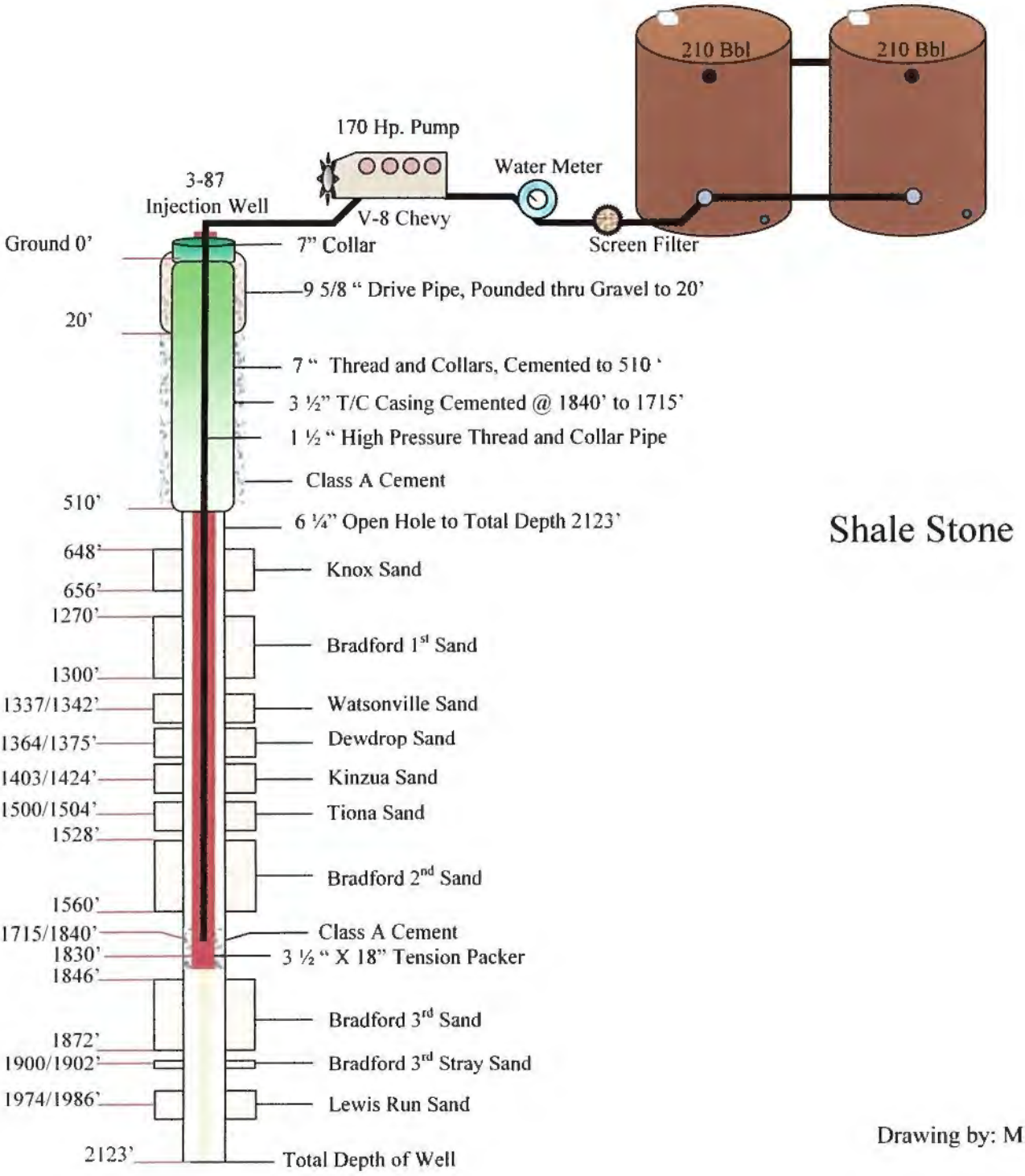
Well No. 3-87 (the proposed EOR injection well) is currently with the 7" (510' depth) cementing data included in Attachment C. A copy of the well log is included in Attachment G. New construction will include the installation of a 3-1/2' isolation casing string. A cement plug will be emplaced from 1715' to 1740' with fresh water left in the 3-1/2" x 6-1/4 open hole annulus. A string of 1-1/2" tubing on packer will be set inside the 3-1/2" just above the Bradford Third sand. No coring was done in the well.

ATTACHMENT M

CONSTRUCTION DETAILS

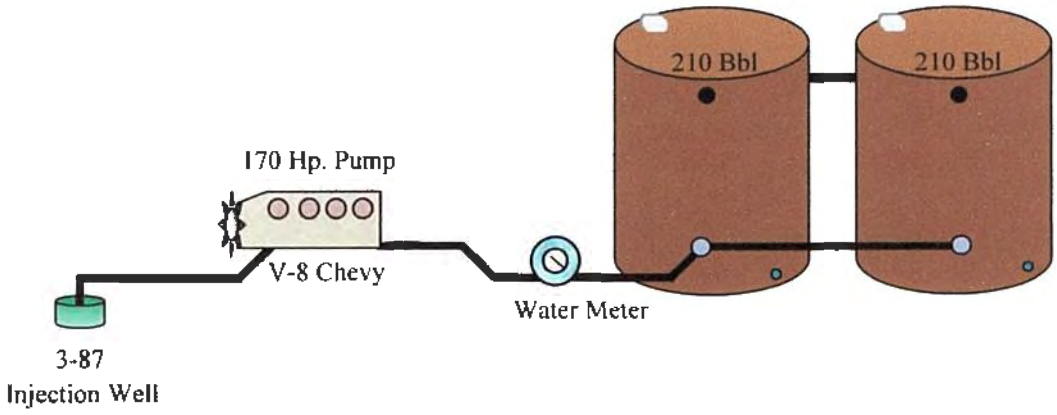
Attached is a subsurface schematic (Schematic 1) and surface installation diagram (Schematic 2). The surface construction is already complete and was during the 30 day test injection period.

3-87 EOR Injection Well; Subsurface Installation



Drawing by: Michael J. Riche

3-87 EOR Injection Well; Surface Installation



Drawn by: Michael J. Riche

ATTACHMENT N

NOT APPLICABLE

ATTACHMENT O

PLANS FOR WELL FAILURE

Appropriate shut in procedures shall occur if conditions warrant action.

Action:

1) Turn off pump.
2) Shut in all supplies to pump
3) Open 1 ½" injection line valve to tank atmosphere.
4) Open any/all affected annulus to atmosphere.
5) Verbal notification of mechanical failure will be provided within 24 hours to the EPA and in writing with 7 days.

ATTACHMENT P

MONITORING PROGRAM

Tbe injection pressure shall be monitored and recorded daily. The production and well data from the two (2) offset wells (3-54 and 3-82) shall be monitored for excessive pressures or leaks. The annular pressure (7" casing x 3 ½" casing) and (3 ½" casing x 1 ½" pipe) shall be monitored daily for pressure rises or fluid influx. Appropriate shut ins shall occur if conditions warrant action. Verbal notification of mechanical failure will be provided within 24 hours to the EPA and in writing with 7 days.

ATTACHMENT Q

PLUGGING AND ABANDONMENT PLAN

Attached is the plugging and abandonment plan for Well No. 3-87. A service rig, cement pump truck and cement bulk truck would be mobilized at the well site to plug Well No. 3-87. Fresh water would be circulated to surface to stabilize the well and the balance method used for the emplacement of the cement plugs. Plugging cost is estimated at $5,000.00.

OMB No. 2040-0042 Approval Expires 4/30/07

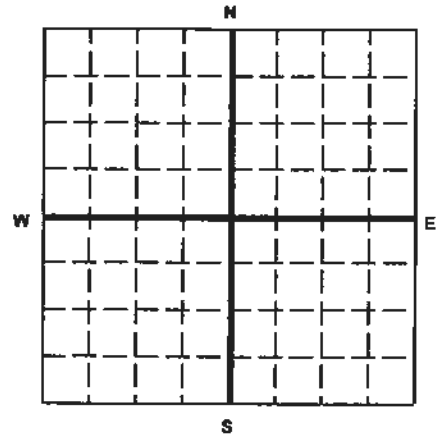
EPA

United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility	Name and Address of Owner/Operator
WT 2277 off SR 777, Lafayette, McKean County, Pennsylvania	Swamp Angel 2414 N. Woodlawn, Suite 160, Wichita, KS 67220

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
Pennsylvania	McKean	37-0083-51597-00

Surface Location Description

1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township ___ Range

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location Lat. 41°-52'-24.43" Long. 78°-41'-75" ___ ft. frm (N/S) ___ Line of quarter section and ___ ft. from (E/W) ___ Line of quarter section.

TYPE OF AUTHORIZATION
- [ ] Individual Permit
- [x] Area Permit
- [ ] Rule

Number of Wells 2

Lease Name Music Mountain

WELL ACTIVITY
- [ ] CLASS I
- [x] CLASS II
  - [ ] Brine Disposal
  - [x] Enhanced Recovery
  - [ ] Hydrocarbon Storage
- [ ] CLASS III

Well Number 3-87

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
7"	17	n/a	510'	8 3/4"
3.5"	10	n/a	150'	6.25"
2"	4	3'	3'	7"

METHOD OF EMPLACEMENT OF CEMENT PLUGS
- [x] The Balance Method
- [ ] The Dump Bailer Method
- [ ] The Two-Plug Method
- [ ] Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inche	6-1/4"	6-1/4"	6-1/4"				
Depth to Bottom of Tubing or Drill Pipe (ft	2000'	1560'	590'				
Sacks of Cement To Be Used (each plug)	50 saks	50 saks	25 saks				
Slurry Volume To Be Pumped (cu. ft.)	58.966	58.966	29-483				
Calculated Top of Plug (ft.)	1726'	1286'	460'				
Measured Top of Plug (if tagged ft.)	n/a	n/a	n/a				
Slurry Wt. (Lb./Gal.)	15.6	15.6	15.6				
Type Cement or Other Material (Class III)	Class A	Class A	Class A				

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

From	To	From	To
512'	1276'	Open Hole	
1276'	1984'	Open Hole w/Notches	
1984'	2196'	Open Hole	

Estimated Cost to Plug Wells

$5,000.00

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John McNally		12/27/2007

EPA Form 7520-14 (Rev. 8-01)

ATTACHMENT R

NECESSARY RESOURCES

Swamp Angel Energy, LLC will be providing a financial statement (or other sufficient instrument) to verify that Well No. 3-87 can be plugged. The resource required is $ 5,000.00.

ATTACHMENT S & T

NOT APPLICABLE