



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

August 07, 2014

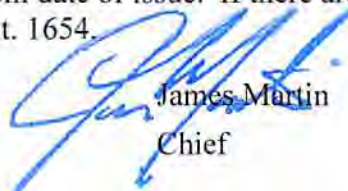
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-1502351, issued to ROUZER OIL CO., INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: HARVEY SAMPLES #3
Farm Name: SAMPLES, DARRELL A. JR.
API Well Number: 47-1502351
Permit Type: Plugging
Date Issued: 08/07/2014

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date May 19, 2014
2) Operator's Well No. Harvey Samples No. 3
3) API Well No. 47-015 - 02351

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil X / Gas X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 657 feet Watershed Elk River
District Union County Clay Quadrangle Elkhurst 334

6) Well Operator Rouzer Oil Company 7) Designated Agent same
Address P. O. Box 987 Address _____
Spencer, WV 25276

8) Oil and Gas Inspector to be notified Name Ed Gainer 9) Plugging Contractor Name Shreve Well Service
Address P. O. Box 821 Address 3473 Triplett Road
Spencer, WV 25276 Spencer, WV 25276

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached.

RECEIVED
Office of Oil and Gas

JUN 13 2014

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector  Date 5/21/14

Rouzer Oil Company
Spencer, WV

Plugging Procedure for Harvey Samples No. 3

1. Notify WVDEP inspector a minimum of 24 hours in advance of commencing work.
2. Mobilize rig and tankage to well site and rig up.
3. TIH w/ rig tools to verify TD.
4. Attempt to pull 5-3/16" casing string w/ 1.5x string-weight tension.
5. POOH 5-3/16" casing string by frepointing & cutting string, if required.
6. Attempt to pull 6-5/8" casing string w/ 1.5x string-weight tension.
7. POOH 6-5/8" casing string by frepointing & cutting string, if required.
8. TIH w/ 2-3/8" work string to 1,500'.
9. MIRU pump equipment and pump/drop 25 bbl. of 6% gel/water mixture.
10. If casing strings were not frepointed, pull work string up to 1,495' and pump 39 sks. of Class A cement mixture to 1,300' & displace cement in work string w/ 5.8 bbl. of 6% gel/water mixture.
11. If casing strings were frepointed, pump sufficient quantity of Class A cement mixture to place plug 50 ft. above highest frepoint and displace w/ 5.8 bbl. of 6% gel/water mixture.
12. TOOH w/ work string.
13. After 8 hr. curing period, TIH w/ rig tools & tag bottom-hole plug to verify top depth.
14. If top of plug is acceptable, TIH w/ work string & pump sufficient quantity of 6% gel/water mixture to 410'.
15. TIH w/ work string to 400', pump 37 sks. of Class A cement mixture to 310' & displace cement in work string w/ 1.6 bbl. of 6% gel/water mixture.
16. TOOH w/ work string.
17. After 8 hr. curing period, TIH w/ rig tools & tag surface string plug to verify top depth.
18. TIH w/ work string to 300' and place 16.5 bbl. of 6% gel/water mixture.
19. TOOH w/ work string.
20. Attempt to pull 10" conductor string w/ 1.5x string-weight tension.
21. POOH 10" conductor string by frepointing & cutting string, if required.
22. TIH w/ work string to 90' and circulate Class A cement mixture to surface.
23. TOOH w/ work string & fill hole to surface with Class A cement mixture.
24. Set monument in accordance with applicable governmental regulations.
25. RDMO equipment and tankage.
26. Reclaim disturbed areas.
27. This work shall provide a minimum of 100-foot cement mixture plugs at all casing points, 50 feet inside and 50 feet outside in the vicinity of freshwater zones. Plugs spacing shall be completely filled with 6% gel/water mixture.

Work order approved by Inspector



RECEIVED
Office of Oil and Gas

Date 5/21/14

WV Department of
Environmental Protection

DEPARTMENT OF ENERGY
Oil and Gas Division

Farm Harvey Samples

1502351P

API No. 47 - 015 - 02351 P

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil xx / Gas xx / Liquid Injection / Waste Disposal /
(If "Gas," Production xx / Underground Storage / Deep / Shallow xx /)

LOCATION: Elevation: 600' Watershed Upper Birch Run
District: Union County Clay Quadrangle Elkhurst

COMPANY Petroleum Development Corp.
ADDRESS P.O. Box 26 Bridgeport, WV 26330
DESIGNATED AGENT Steven R. Williams
ADDRESS same
SURFACE OWNER Harvey Samples Et. Al.
ADDRESS 1917 Bona Vista Charleston, WV
MINERAL RIGHTS OWNER same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Carlos Hivley
ADDRESS Elkview, WV

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	47	47	47
9 5/8			
8 5/8	1356		
7	1356	1356	
5 1/2	1373	1373	9585
4 1/2			
3			
2			
Liners used			

PERMIT ISSUED
DRILLING COMMENCED 4/1/10
DRILLING COMPLETED 1/1/10
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Big Injun Depth 1600 feet
Depth of completed well 1419 feet Rotary / Cable Tools
Water strata depth: Fresh 112 feet; Salt 112 feet
Coal seam depths: Is coal being mined in the area?

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 110-72 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Final open flow 3 Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

08/08/2014

RECORD
HARVEY SAMPLES # 3

LOCATION: NORTH SIDE BLK RIVER, UNION DISTRICT, CLAY COUNTY,
WEST VIRGINIA, JUST BELOW HARNE.

COMMENCED SPUDDING JUNE 1ST, 1916
COMPLETED JULY 5TH, 1916. SHOT JULY 6TH, 1916 WITH 60 QTS,
12' SHELL, 7 1/2' ANCHOR. ELEVATION
CASING RECORD: 10" 47 FEET, 8 1/2" --355', 6 5/8" 1356'

FORMATION

SOIL	0	48 FEET
GRAVEL	43	47
SAND	47	108
COAL	108	111
SAND	111	151
SLATE & SHELLS	151	302
SAND	302	355
SLATE	355	358
SAND, BLACK	358	388
SLATE	388	490
LIME	490	530
SLATE & SHELLS	530	560
GAS SAND	560	700
SLATE	700	735
SALT SAND	735	1070 SLATE BREAK 960-995
CAVE	1070	1077
SAND, BOTTOM		
STREAM, SALT	1077	1120
SLATE	1120	1127
SAND	1127	1150
RED ROCK	1150	1239
MARTON SAND	1239	1296
LITTLE LIME	1296	1328
SLATE	1328	1336
SHELLS	1336	1341
GENCIL	1341	1356
BIG LIME	1356 106	1451
KEENER SAND	1451	1478
BIG INJUN)	1478	1529 1/2 BOTTOM HOLE

OIL PAY 1510-1522, WHITE SAND 1510-1513, GRAY SAND 1513-1522
BLUE SAND 1522-1529 1/2 NOTE: PACKER RUN ON BOTTOM 6 5/8 CASI
SET THREE FEET IN LINE.

SEPTEMBER 1931 RUN 1573 FEET OF 5 3/16 CASING. Office of Oil and Gas H.
FRACTURED SEPTEMBER 25, 1939: 5 1/2" CASING SET IN BIG INJUN A
1465. CEMENTED IN WITH 9 BAGS CEMENT, 10 BAGS ZEOGEL, 20
BAGS ZEOGEL PUMPED BEHIND CASING. RIGHT AND LEFT JOINT UP
THE HOLE 220' AT 1265. 5 1/2" CASING WAS PAINTED TWO COATS WIT
LIT CHEMICAL TARSET. BREAKDOWN AT 2800 - 500 BARRELS OF
WATER, 55,000 POUNDS OF SAND, 500 GALLON OF HUD ACID, 1500
POUNDS OF SALT.
O. E. H AND G. S. D.

RECEIVED

Office of Oil and Gas H.

JUN 13 2014

WV Department of
Environmental Protection

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand, Shale, and red rock			1239	1239	
Maxton Sand			1239	1296	
sand, shale			—	—	
Little lime			1196	1318	
Sand shale			1328	1396	
Big Lime			1396	1451	
Sand, Shale			—	—	
Keener			1451	1478	
Big Injun			1478	1529	
Shale			—	—	
T.D.			1529		

(Attach separate sheets as necessary)

Petroleum Development Corporation
Well Operator

By: 

Date: 10/3/86

08/08/2014

WW-4A
Revised 6-07

1) Date: May 18, 2014
2) Operator's Well Number
Harvey Samples No. 3

3) API Well No.: 47 - 015 - 02351

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

*ck 25436
10000*

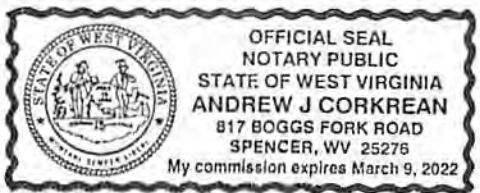
4) Surface Owner(s) to be served:		5) (a) Coal Operator	
(a) Name	<u>Darrell A. Samples, Jr. <i>W</i></u>	Name	<u>None</u>
Address	<u>1476 Elk River Road Procious, WV 25164</u>	Address	<u></u>
(b) Name	<u></u>	(b) Coal Owner(s) with Declaration	
Address	<u></u>	Name	<u></u>
		Address	<u></u>
(c) Name	<u></u>	Name	<u></u>
Address	<u></u>	Address	<u></u>
6) Inspector	<u>Ed Gainer</u>	(c) Coal Lessee with Declaration	
Address	<u>P. O. Box 821 Spencer, WV 25276</u>	Name	<u></u>
Telephone	<u>304-389-7582</u>	Address	<u></u>

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Rouzer Oil Company
 By: [Signature]
 Its: President
 Address P.O. Box 614
Spencer, WV 25276
 Telephone 304-927-4574

RECEIVED
Office of Oil and Gas
JUN 13 2014

Subscribed and sworn before me this 29th day of MAY, 2014
[Signature] Notary Public

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

Harvey Samples No. 3

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

RECEIVED
Office of Oil and Gas
JUN 13 2014

Daniel R. Sample Jr. Signature Date 6/6/14 Name _____
By _____
Its _____

WV Department of
Environmental Protection

Signature

Signature Date 08/08/2014

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Rouzer Oil Company OP Code 43250

Watershed Elk River Quadrangle Elkhurst

Elevation 657 feet County Clay District Union

Description of anticipated Pit Waste: None, steel tankage will be used to contain waste fluid

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WV-9 for disposal location)
- Other (Explain land apply at Bell No. 2 well location)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- N/A
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto 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 or imprisonment.

Company Official Signature [Signature]

Company Official (Typed Name) J. B. Hildreth

Company Official Title President

RECEIVED
Office of Oil and Gas

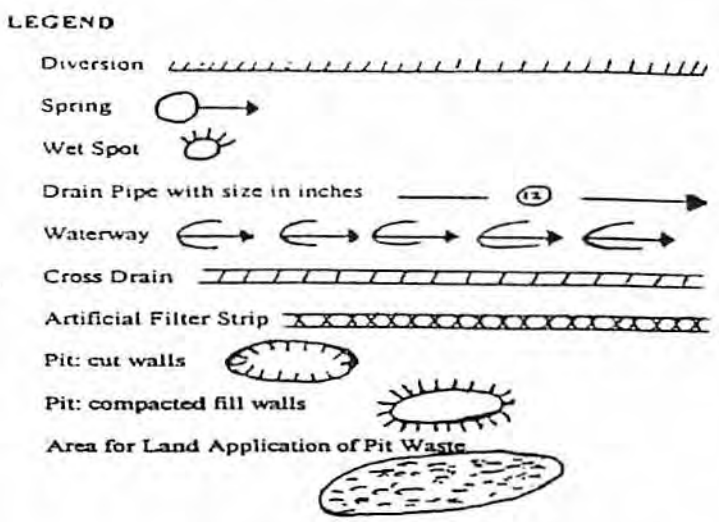
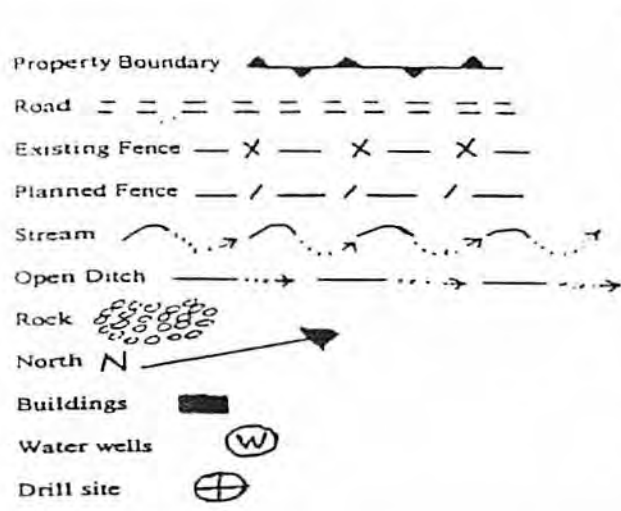
Subscribed and sworn before me this 29th day of May, 20 14 JUN 13 2014

[Signature]

My commission expires _____



08/08/2014



Proposed Revegetation Treatment: Acres Disturbed 0.05 Prevegetation pH 6.0

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 1.5 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
lawn mix		30			
Perennial Rye		10			
Blue Grass		10			
Lawn Fescue		10			

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

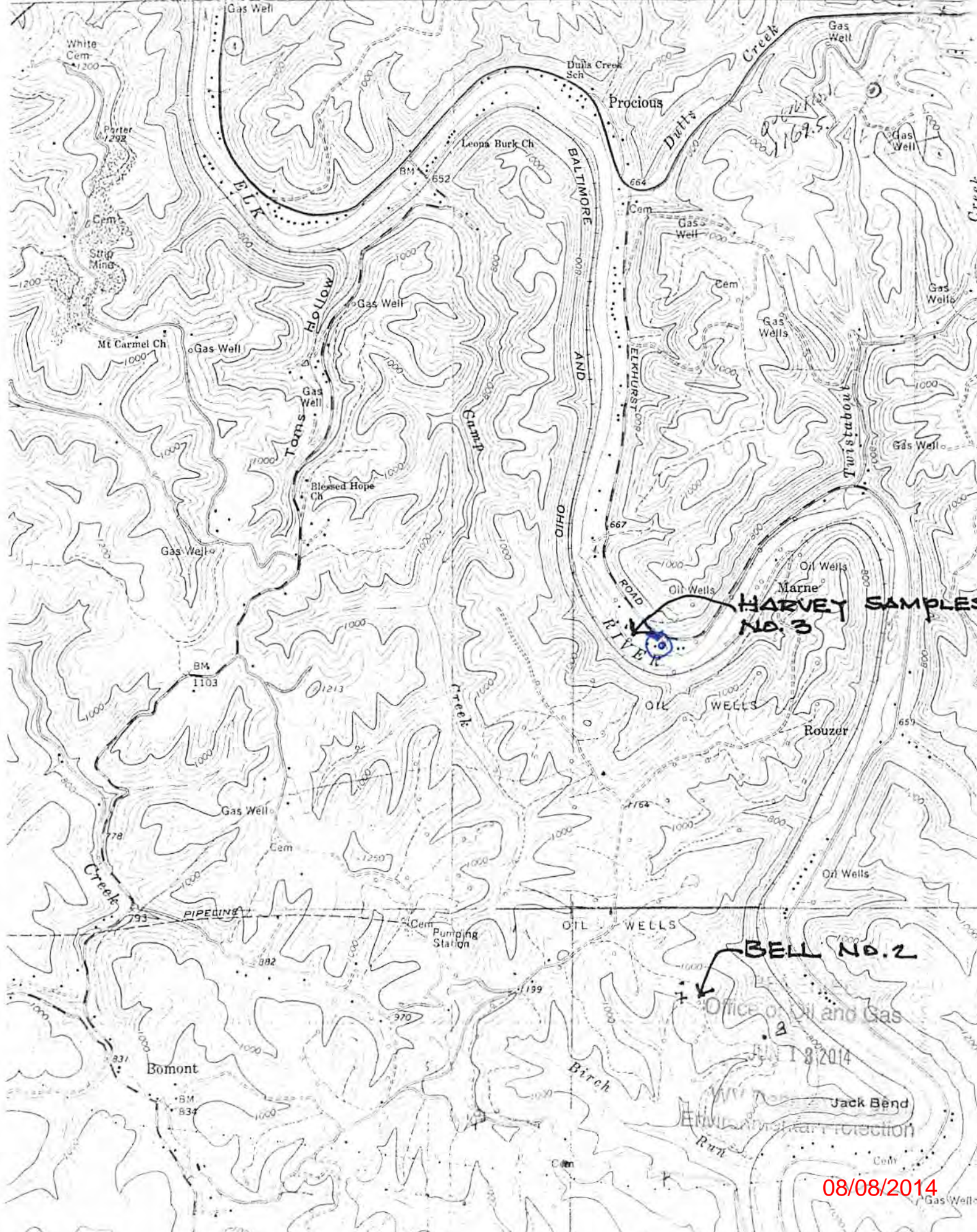
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

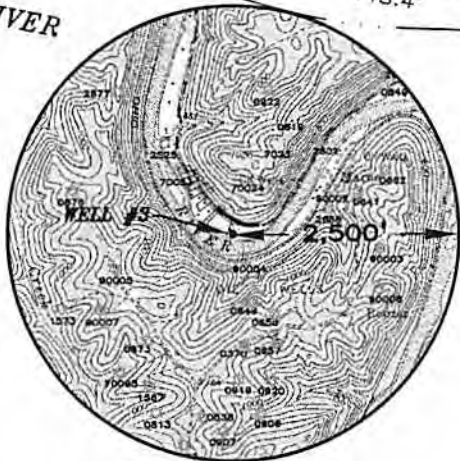
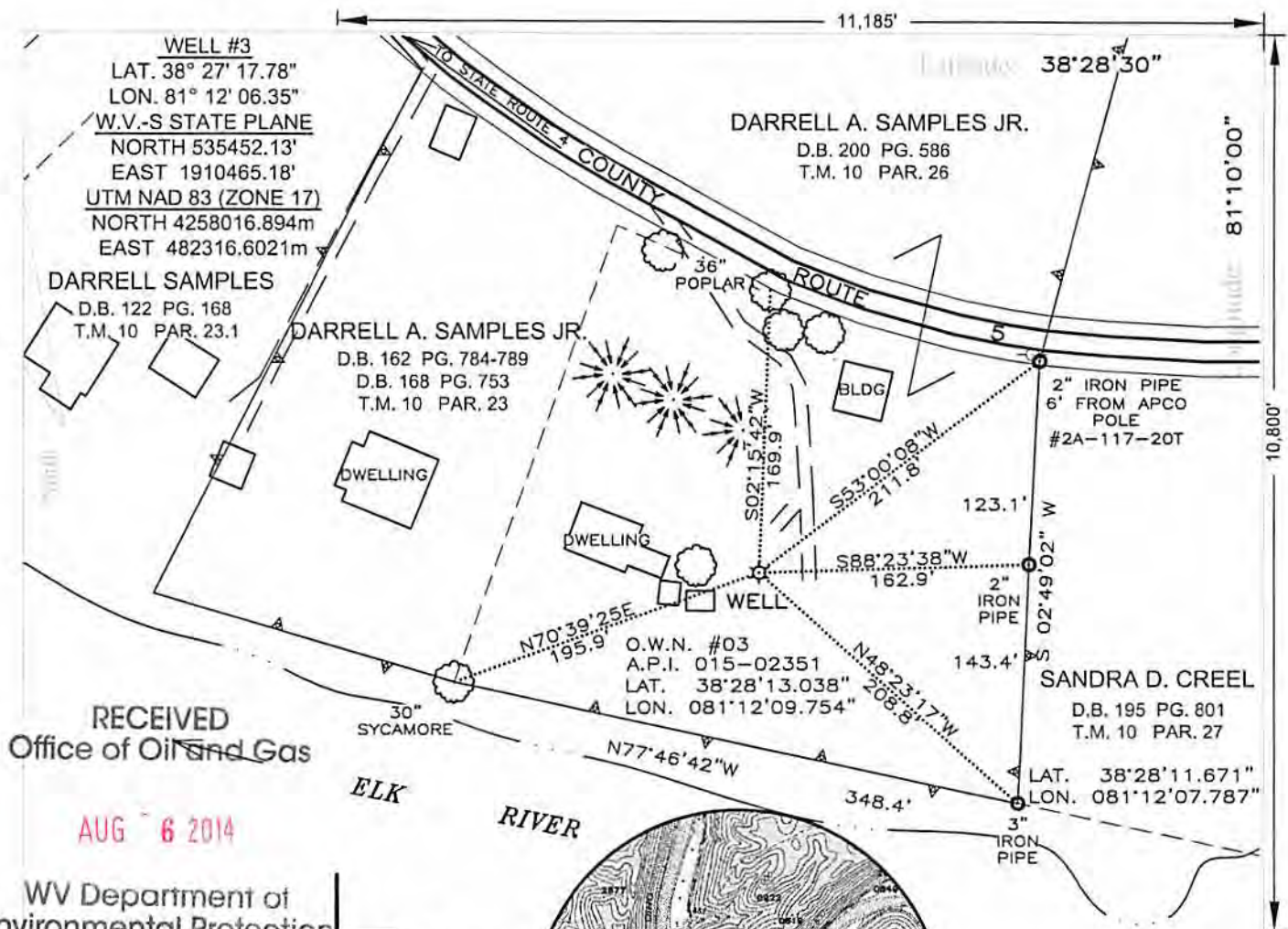
Comments: _____

Title: Inspector Date: 5/21/14

Field Reviewed? Yes No



08/08/2014



(THE UNDERSIGNED, HEREBY CERTIFY THAT THIS
 PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND
 BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY
 LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY
 THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signature: *[Signature]*

Scale: 1"=100'

MINIMUM DEGREE OF ACCURACY: SUB METER

PROVEN SOURCE: WVDOT CORS

B.P. 7719 E.L.S. 1115

DATE: APRIL 15 2014

OPERATOR'S WELL: HARVEY SAMPLES #3

APR. WELL NO. 47 015 02351

STATE COUNTY PERMIT

Well Type: Oil Waste Injection Biogas/Landfill Deep

Gas Liquid Injection Storage Shallow

WATER BODY: ELK RIVER ELEVATION: 657'

CADASTRAL DISTRICT: CLAY / UNION QUADRANGLE: ELKHURST

SURFACE OWNER: DARRELL A. SAMPLES JR. ACREAGE: 140 ACRES

DEED & DEED RIGHTS BY OWNER: HARVEY SAMPLES HEIRS ACREAGE: 140 ACRES

DRILL TYPE: CONDUIT DRILL DELTA REFRIG. VIBROREINFORCED PILE DRILL SOFT FORMATION PERFORATE SOFT FORMATION B.L.G. & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

LABORATORY FORMATION: BIG INJUN DEPTH: 1530

WELL OPERATOR: ROUZER OIL COMPANY DESIGNATED PERSON: JAMES HILDRETH

Address: P.O. BOX 987 Address: P.O. BOX 614

City: SPENCER W.V. Zip Code: 25276 City: SPENCER W.V. Zip Code: 25276



08/08/2014