



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

March 27, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9100988, issued to ICG TYGART VALLEY, LLC, 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.

A handwritten signature in blue ink, appearing to read 'James Martin', is written over a printed name and title.

James Martin
Chief

Operator's Well No: D. WILSON 4
Farm Name: ICG TYGART VALLEY, LLC
API Well Number: 47-9100988
Permit Type: Plugging
Date Issued: 03/27/2014

Promoting a healthy environment.

03/28/2014

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 February 12, 2014
2) Operator's
Well No. D. Wilson # 4
3) API Well No. 47-91 - 00988

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 ___ / Gas ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 1590 Watershed Three Fork Creek
District Knottsville County Taylor Quadrangle Thornton (638)

6) Well Operator ICG Tygart Valley, LLC 7) Designated Agent Charles E. Duckworth
Address 2708 Cranberry Square Address 1200 Tygart Drive
Morgantown, WV 26508 Grafton, WV 26354

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Bryan Harris Name Coastal Drilling East, LLC
Address P.O. Box 157 Address 130 Meadows Ridge Road
Volga, WV 26238 Mt. Morris, PA 15349

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

SEE EXHIBIT NOS. 1 and 2

Received

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

Work order approved by inspector [Signature] Date 2-28-14

03/28/2014

EXHIBIT NO. 1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, ICG Tygart Valley, LLC will utilize the following method to plug all future wells.

SOLID PLUG METHOD

- a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
- b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
- c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

Received

03/28/2014

ELEVATION 1590. FEET

EXHIBIT NO. 2

TD - 4596'

CLEANOUT/PLUGGING PLAN

- Day 1 - Move to site, rig up, mix mud, drill rathole.
- Day 2 - Finish drilling rathole, start picking up 2 3/8" drill pipe and cleanout well with a 3 3/4" bit to total depth (T.D.).
- Day 3 - Continue to pick up 2 3/8" drill pipe and cleanout to T.D. Trip out of the hole (T.O.H) with 2 3/8" drill pipe.
- Day 4 - Run cement bond log on 4 1/2" casing, (calculations reached from the cement information taken from the report indicate the estimated top of the cement on the outside of the 4 1/2" is 3,191'), perforate/cut 4 1/2" casing every 100' from 5,137' to 3,291'. Total shots needed 120. *CUT 4 1/2" CASING AT ≈ 3191' AND TOOH WITH 4 1/2" CASING = LOAN 2/66L. 4596'*
- Day 5 - Trip in hole (T.I.H) with 2 3/8" drill pipe to T.D. Cement hole from 5,239' back to 3,191' with 160 sacks of Class A Cement with a gas blocker additive. Circulate hole, condition mud, T.O.H.
- Day 6 - ~~T.I.H with 3 1/4" bit to tag top of cement plug. T.O.H, T.I.H with 4 1/2" pressure pipe cutter, cut 4 1/2" casing just above top of bonded casing at 3,185'. Lay down 2 3/8" drill pipe~~
- Day 7 - ~~Continue to lay down 2 3/8" drill pipe. Rig up 4 1/2" casing spear. Hook to 4 1/2" casing at the surface, release slips from wellhead and attempt work 4 1/2" casing free to 3,185'. Lay down 4 1/2" casing.~~
- Day 8 - ~~Rig up 7 7/8" bit. Pick up drill collars and drill pipe, start cleaning hole to top of remaining 4 1/2" casing at 3,185'.~~
- Day 9 - ~~Continue to clean hole with 7 7/8" bit to top of remaining 4 1/2" casing at 3,185'. Circulate hole. T.O.H with 7 7/8" bit. T.I.H with open ended 3 1/2" drill pipe.~~
- Day 10 - Cement hole from 3,100' to within 50' of bottom of 8 5/8" casing at 1,031' with 1,000 gallons of mud flush and 500 sacks of Class A cement with 4% gel. Circulate hole and condition mud. T.O.H Log hole (Caliper, Natural Gamma, Directional and Bond logs). Calculations reached from the cement information taken from the report indicates that the 8 5/8" casing was cemented to surface.
- Day 11 - T.I.H with 8 5/8" pressure pipe cutter. Cut 8 5/8" casing every 100' from 891' to 381' (6 cuts total). T.O.H with 8 5/8" cutter. T.I.H with 8 5/8" section mill. Section mill 30' window in 8 5/8" casing through coal seam.
- Day 12 - Continue to section mill 8 5/8" casing through coal seam.
- Day 13 - Finish section milling 8 5/8" casing. T.O.H with 8 5/8" section mill. T.I.H with 7 7/8" bit.
- Day 14 - Clean hole with 7 7/8" bit to top of cement plug at 1,031'. Circulate hole at 1,031'. T.O.H with 7 7/8" bit. Run caliper log to verify window and cuts in 8 5/8" casing. Lay down drill collars and fishing tools. Prepare to cement hole to surface.

OK
SEE
INSERT

NOT NECESSARY

Received

INSERT

ICG Tygart Valley, LLC

API 47-091-00988 Plugging Methodology

D. Wilson 4

Gel - Fresh water mixed with a minimum of 6% Bentonite (by weight)

Cement Plug - Must be a minimum of 100 feet of Class A Cement with no more than 3% Calcium Chloride and no other additives.

On Day 4 - Cut 4 ½" casing above the top of cement (TOC) which is estimated at 3191'. Trip out of hole (TOOH) with 4 ½" casing. Load hole with gel as you are TOOH with 4 ½" casing. If you are concerned about the wellbore sloughing, then increase the weight of your Gel by adding more Bentonite, making sure the density of the cement will be able to displace the Gel.

On Day 5 - (T. I. H.) with 2 3/8" drill pipe to TD (4596'). Cement hole with Class A cement with no more than 3% Calcium Chloride from 4596' to 3100', a point at least 50' above the casing cut. Cement may include gas blocker if it is on cementing company's approved list. (T. O. O. H.).

On Day 6 - T. I. H. with 3 ¾" bit and tag top of cement plug. If plug is not at least 50 feet above the casing cut, re-cement. Make sure hole has gel in it to a point inside the 8 5/8" casing. After plug has set then, T. I. H. with 7 7/8" bit and clean hole to top of 4 ½" casing.

On Day 7 - After open hole is clean, circulate for an hour and TOOH with 7 7/8" bit. TIH with open ended drill pipe. Proceed to Day 10 plugging plan until plugging procedure is completed.

EXHIBIT NO. 2

CLEANOUT/PLUGGING PLAN

- **Day 15** – Cement hole from ^{1146'}~~1,031'~~ to surface using 180 sacks of Class A cement with 4% gel and 120 sacks of Thixotropic cement with green dye. Clean out mud tank. Rig down equipment and prepare to move rig to next site.

Received

03/28/2014

WELL NAME: D. Wilson #4
API NUMBER: R# 0988 - Taylor
AFE NUMBER: 96025

DATE: 8/28/96

ZONES STIMULATED

NO. OF STAGES 3

- 1) Benson
- 2) Riley
- 3) Speechley

SURFACE CASING

8 7/8" @ 1106 FT.
285 SKS. CEMENT

SURFACE

PERFORATIONS:

13 HOLES FROM		4429 TO 4431	
<u>13</u>	"	<u>4199</u>	" <u>4216</u>
<u>16</u>	"	<u>3220</u>	" <u>3244</u>
_____	"	_____	" _____
_____	"	_____	" _____
_____	"	_____	" _____
_____	"	_____	" _____

PRODUCTION

2590 FT. CEMENT TOP

POTENTIAL-ZONES

PACKER INFORMATION:

TYPE _____
DEPTH _____ FT.

TUBING

TBG. SIZE 1 1/2 IN.
@ 4424 FT.

CASED HOLE TD 4544 FT.
LOGGERS TD 4593 FT.
DRILLERS TD 4596 FT.

PRODUCTION CASING

4 1/2" CSG. @ 4522 FT.
300 SKS. CEMENT
85 BBL SLURRY

received

D. Wilson #4

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Benson	13 (4429' - 4431')	50	400	500	55
2nd	Riley	13 (4199' - 4216')	50	400	500	55
3rd	Speechley	16 (3220' - 3244')	50	400	500	55

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	1427	
Little Lime	1427	1440	1/2" stream H2O @ 60'
sand, shale	1440	1468	Coal 83' - 87', 862' - 864'
Big Lime	1468	1545	
sand, shale	1545	1547	Coal 927' - 930'
Keener	1547	1580	
sand, shale	1580	1585	
Big Injun	1585	1650	gas chk @ 1594' no show
sand, shale	1650	1757	
Weir	1757	1800	
sand, shale	1800	1911	gas chk @ 1720' no show
Gantz	1911	1957	
sand, shale	1957	2000	
50 ft	2000	2060	
sand, shale	2060	2069	
30 ft	2069	2110	
sand, shale	2110	2298	
4th	2298	2495	
sand, shale	2495	2540	
5th	2540	2574	
sand, shale	2574	2581	
Bayard	2581	2602	
sand, shale	2602	2768	
Elizabeth	2768	2818	gas chk @ 2474' no show
sand, shale	2818	2924	gas chk @ 2662' no show
Speechly	2924	3310	gas chk @ 3629' no show
sand, shale	3310	3344	gas chk @ 4005' no show
Balltown	3344	3675	
sand, shale	3675	3710	gas chk @ 4254' no show
Bradford	3710	3820	gas chk @ 4377' no show
sand, shale	3820	4100	gas chk @ 4470' no show
Riley	4100	4334	gas chk @ 4596' no show
sand, shale	4334	4417	gas chk @ TD no show
Benson	4417	4486	gas chk @ Collars no show
sand, shale	4208	4596	Drillers TD
		4593	Logger TD

Received

WR-35 **RECEIVED**
WV Division of
Environmental Protection
FEB 16 1996

19-Dec-95
API # 47- 91-00988

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Permitting Office of Oil & Gas
Well Operator's Report of Well Work

Farm name: WILSON, DARREL N. ETAL. Operator Well No.: D. WILSON #4

LOCATION: Elevation: 1,590.00 Quadrangle: THORNTON

District: KNOTTSVILLE County: TAYLOR
Latitude: 3625 Feet South of 39 Deg. 20Min. 0 Sec.
Longitude 7775 Feet West of 79 Deg. 57 Min. 30 Sec.

Company: PETROLEUM DEVELOPMENT COR
103 E. MAIN ST. - P.O. BOX 26
BRIDGEPORT, WV 26330-0026

Agent: ERIC STEARNS

Inspector: PHILLIP TRACY
Permit Issued: 12/26/95
Well work Commenced: 01/04/96
Well work Completed: 01/11/96
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig
Total Depth (feet) 4596
Fresh water depths (ft) _____
60
Salt water depths (ft) _____
n/a

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4"	21'	21'	
8 5/8"	1096'	1096'	285 sks
4 1/2"	4562'	4562'	300 sks

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 83-87; 862-864; 927-930

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4429-4431
Gas: Initial open flow NS MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 223 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 900 psig (surface pressure) after 72 Hours

Second producing formation Riley Pay zone depth (ft) 4199-4216
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow co-mingled MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Third producing formation Speechley Pay zone depth (ft) 3220-3244

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. **03/28/2014**
LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PETROLEUM DEVELOPMENT CORP.
By: Eric R. Stearns
Date: February 8, 1996

77
386

D. Wilson #4

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1st	Benson	13 (4429' - 4431')	50	400	500	55
2nd	Riley	13 (4199' - 4216')	50	400	500	55
3rd	Speechley	16 (3220' - 3244')	50	400	500	55

W E L L L O G

FORMATION

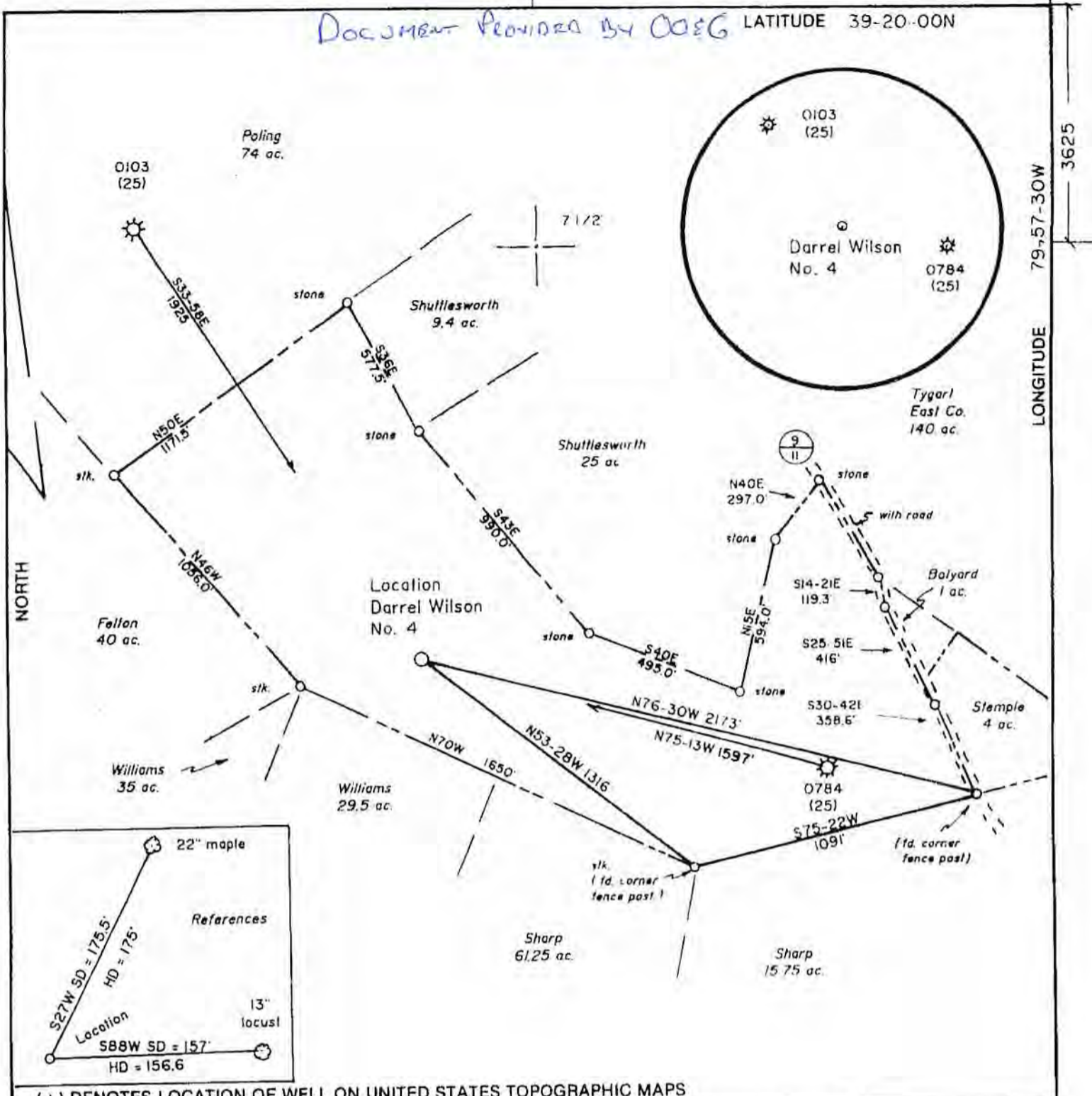
TOP FEET BOTTOM FEET

REMARKS: FRESH & SALT
WATER, COAL, OIL & GAS

KB - GL	0	10	
sand, shale, RR	10	1427	
Little Lime	1427	1440	1/2" stream H2O @ 60'
sand, shale	1440	1468	Coal 83' - 87', 862' - 864'
Big Lime	1468	1545	
sand, shale	1545	1547	Coal 927' - 930'
Keener	1547	1580	
sand, shale	1580	1585	
Big Injun	1585	1650	gas chk @ 1594' no show
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Weir	1757	1800	
sand, shale	1800	1911	gas chk @ 1720' no show
Gantz	1911	1957	
sand, shale	1957	2000	
50 ft	2000	2060	
sand, shale	2060	2069	
30 ft	2069	2110	
sand, shale	2110	2298	
4th	2298	2495	
sand, shale	2495	2540	
5th	2540	2574	
sand, shale	2574	2581	
Bayard	2581	2602	
sand, shale	2602	2768	gas chk @ 2474' no show
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Speechly	2924	3310	gas chk @ 4005' no show
sand, shale	3310	3344	
Balltown	3344	3675	
sand, shale	3675	3710	gas chk @ 4254' no show
Bradford	3710	3820	gas chk @ 4377' no show
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sand, shale	4334	4417	gas chk @ TD no show
Benson	4417	4486	gas chk @ Collars no show
sand, shale	4208	4596	Drillers TD
		4593	Logger TD

7775

DOCUMENT PROVIDED BY ODEG LATITUDE 39-20-00N



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road junction 2350'
NE of Locatlon: elev. 1223'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 ENERGY.
 (SIGNED) David J. Jackson
 R.P.E. _____ L.L.S. 708

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS



DATE November 28, 19 95
 OPERATOR'S WELL NO. Darrel Wilson No. 4
 API WELL NO. 47 091 00988

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1590 WATER SHED Three Fork Creek
 DISTRICT Knottsville COUNTY Taylor
 QUADRANGLE Thornton 7 1/2'
 SURFACE OWNER Darrel N. Wilson et al ACREAGE 65
 OIL & GAS ROYALTY OWNER Darrel N. Wilson et al LEASE ACREAGE 70 03/28/2014

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Benson ESTIMATED DEPTH 5000'
 WELL OPERATOR Petroleum Development Corp. DESIGNATED AGENT Eric R. Stearns
 ADDRESS P.O. Box 26, Bridgeport, WV 26330 ADDRESS P.O. Box 26, Bridgeport, WV 26330

FORM WV-6

TAYLOR COUNTY NAME PERMIT 0928

9100988A

WW-4A
Revised 6-07

1) Date: February 12, 2014
2) Operator's Well Number
D. Wilson # 4

3) API Well No.: 47 - 91 - 00988

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

4) Surface Owner(s) to be served:		5) (a) Coal Operator	
(a) Name	<u>ICG Tygart Valley, LLC</u> <i>W</i>	Name	<u>CoalQuest Development, LLC</u> <i>W</i>
Address	<u>2708 Cranberry Square</u> <u>Morgantown, West Virginia 26508</u>	Address	<u>2708 Cranberry Square</u> <u>Morgantown, West Virginia 26508</u>
(b) Name	_____	(b) Coal Owner(s) with Declaration	_____
Address	_____	Name	_____
		Address	_____
(c) Name	_____	Name	_____
Address	_____	Address	_____
6) Inspector	<u>Kenneth Greynolds</u>	(c) Coal Lessee with Declaration	_____
Address	<u>613 Broad Run Road</u> <u>Jane Lew, West Virginia 26378</u>	Name	_____
Telephone	<u>(304) 206-6613</u>	Address	_____

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 ICG Tygart Valley, LLC
 By: Charles E. Duckworth
 Its: Designated Agent
 Address 2708 Cranberry Square
Morgantown, West Virginia 26508
 Telephone (304) 594-1616

Received

Subscribed and sworn before me this 18 day of February
Thomas Gregory Nair
My Commission Expires December 22, 2019



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.

03/28/2014

POWER OF ATTORNEY**COALQUEST DEVELOPMENT LLC
TO
GREG NAIR****Dated: January 1, 2014****Expires: December 31, 2014**


KNOW ALL MEN BY THESE PRESENTS: That CoalQuest Development LLC ("Company"), a limited liability company organized and existing under the laws of the State of Delaware, acting by and through James E. Florczak, its duly authorized Vice President and Treasurer, has and does hereby appoint Greg Nair its true and lawful Attorney-in-Fact with power and authority, for and on behalf, and in the name of the Company, during the period herein specified, and subject to the restrictions and limitations set forth in this Power, to execute, acknowledge and deliver in the ordinary and regular course of the Company's business, applications for mining, environmental, safety, and health permits, permit transfers, or permit bond releases or bond adjustments, amendments, supplements or modifications to such permits, certificates, gas well plugging applications, shallow well drilling permit applications, or other instruments directly related to such amendments, supplements or modifications, monthly production reports, air quality, water quality or other environmental reports, quarterly discharge monitoring reports and any other like or similar reports required to be filed with any local, state or federal governmental agency.

The Attorney herein appointed shall be authorized to act pursuant to this Power from the date hereof only so long as such Attorney shall remain an employee of Arch Coal, Inc. or any subsidiary thereof, or until December 31, 2014, or until such earlier time as this instrument has been revoked, annulled, rescinded or set aside by an instrument of revocation filed with the Secretary of the Company, whichever first occurs.


IN WITNESS WHEREOF, the Company has caused this Power of Attorney to be executed on its behalf, and its seal to be hereunto affixed and attested as of the day and year first above written, by the undersigned, James E. Florczak, duly authorized Vice President and Treasurer of the Company, and Jolene J. Mermis, duly elected Assistant Secretary of the Company.

Attest:

COALQUEST DEVELOPMENT LLC



 Jolene J. Mermis
 Assistant Secretary of the Company



 James E. Florczak
 Vice President and Treasurer

99100988P

SURFACE OWNER WAIVER

Operator's Well
Number

D. Wilson # 4

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.

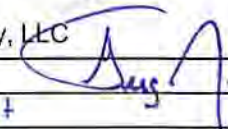
VOLUNTARY STATEMENT OF NO OBJECTION

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,

_____	Date _____	Name	ICG Tygart Valley, LLC
Signature		By	Greg Nair
		Its	Attorney-in-fact
		Signature	
		Date	2/13/14
		Date	03/28/2014

WW-4B

API No.	<u>47-91-00988</u>
Farm Name	<u>Darrel N. Wilson et al</u>
Well No.	<u>D. Wilson # 4</u>

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.


This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator X / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 2/18/14

CoalQuest Development, LLC 
 By: Greg Nair
 Its Power of Attorney

Received
 Office of Oil and Gas
 WV Dept. of Environmental Protection
 03/28/2014

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 ICG Tygart Valley, LLC OP Code _____

Watershed Three Fork Creek Quadrangle Thornton (638)

Elevation 1590 County Taylor 91 District Knottsville 06

Description of anticipated Pit Waste: N/A

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 WW-9 for disposal location)
- Other (Explain Tanks - See attached letter)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- 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) Charles E. Duckworth

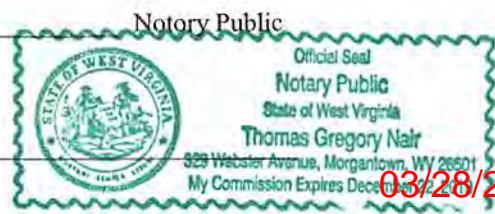
Company Official Title Designated Agent

Received

Subscribed and sworn before me this 18 day of February, 2014

[Signature]

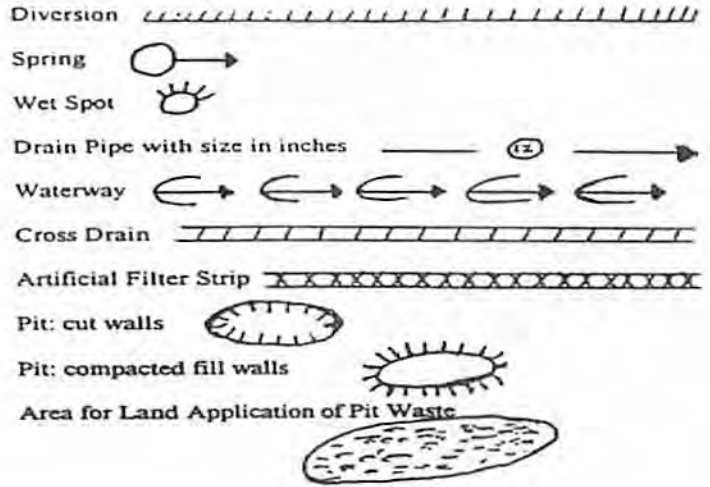
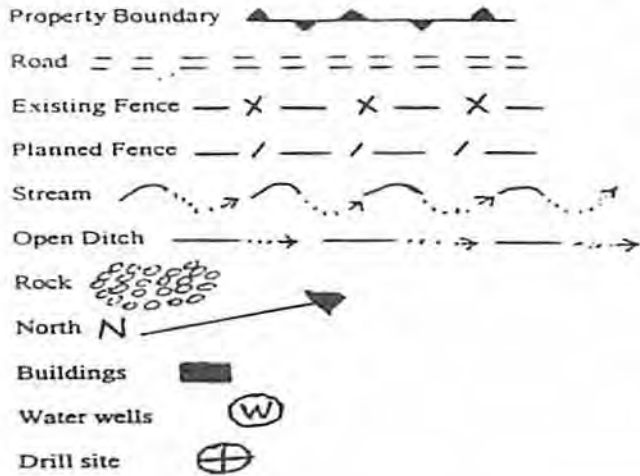
My commission expires DECEMBER 22, 2019



Office of Oil and Gas
WV Dept. of Environmental Protection

03/28/2014

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.00 Prevegetation pH _____
 Lime 3 Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)
 Mulch Hay Bales Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	12	Orchard Grass	12
Landino Clover	3	Landino Clover	3
Timothy	10	Timothy	10

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

Photocopied section of involved 7.5' topographic sheet.

See attached

Plan Approved by: *Frank Reynolds*

Comments: _____

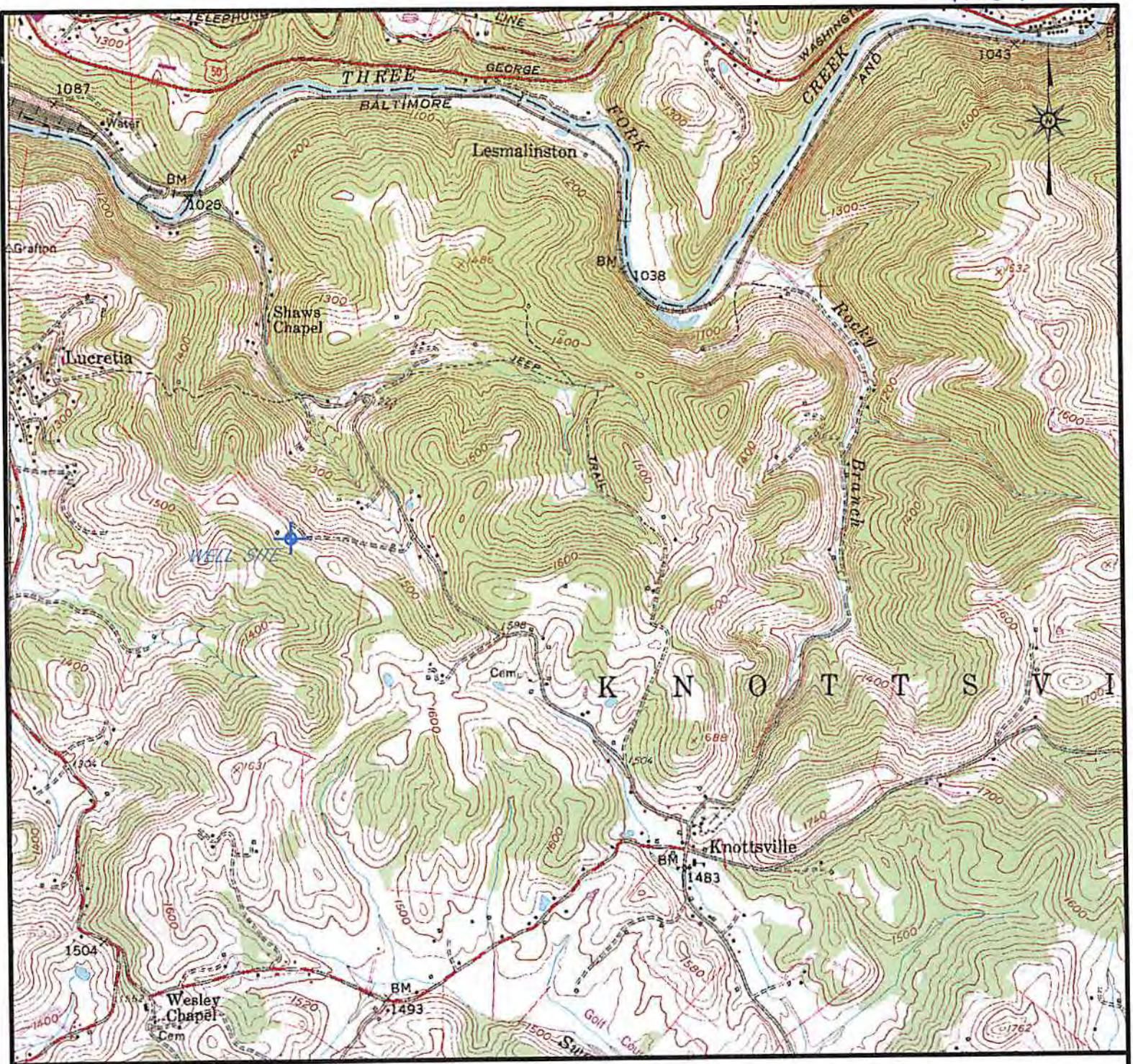
Title: OIL + GAS INSPECTION

Date: 2-28-14

Field Reviewed? () Yes () No

Received

Office of Oil and Gas
 WV Dept. of Environmental Protection



LATITUDE: 39-19-24 N
 LONGITUDE: 79-59-09 W
 NEAREST WATERCOURSE: 600' South to Unnamed drain of unnamed branch of Three Forks Creek
 NEAREST TOWN: 4.000' NW to Lucretia

OPERATOR'S WELL NO. Darrell Wilson
 API WELL NO. No. 4
47 - 091 - 0988
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1590 WATERSHED Three Forks Creek
 DISTRICT Knottsville COUNTY Taylor
 QUADRANGLE Thornton 7 1/2"
 SURFACE OWNER: Darrell N. Wilson et al ACREAGE 65
 OIL & GAS ROYALTY OWNER Darrell N. Wilson et al LEASE ACREAGE 70
 LEASE NO. 456870
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Banson ESTIMATED DEPTH 5000'
 WELL OPERATOR ICG Tygart Valley, LLC DESIGNATED AGENT Charles E. Duckworth
 ADDRESS 2708 Cranberry Square, Morgantown, WV 26508 ADDRESS 1200 Tygart Drive, Grafton, WV 26503

REVISED BY	DATE	API WELL NO. 47-091-0988 Wilson No. 4	
		ICG TYGART VALLEY, LLC	
		DRAWN BY: <u>John A. Hill</u>	SCALE: <u>1" = 200'</u>
		DIRECTORY: <u>DW710318 #1</u> <u>WV OIL & GAS PERMIT MAPS</u>	DATE ORIGINATED: <u>JUNE 2013</u>
		DRAWING NO.: <u>47-091-0988 Wilson #4.dgn</u>	PLOTTING DATES



Appalachia - Northern Region
 2708 Cranberry Square, Morgantown, WV 26508
 Phone: 304-594-4100
 03/28/2014
 WV Dept. of Environmental Protection

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-091-0988 WELL NO.: D. Wilson # 4

FARM NAME: Darrel N. Wilson et al

RESPONSIBLE PARTY NAME: ICG Tygart Valley, LLC

COUNTY: Taylor DISTRICT: Knottsville

QUADRANGLE: Thornton

SURFACE OWNER: ICG Tygart Valley, LLC

ROYALTY OWNER: Darrel N. Wilson et al

UTM GPS NORTHING: 4353168.159

UTM GPS EASTING: 587431.422 GPS ELEVATION: 1590.699

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

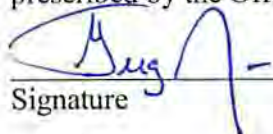
1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential _____
Real-Time Differential

Mapping Grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.


Signature

Attorney-in-fact
Title

February 12, 2014
Date

Received

Office of Oil and Gas
Department of Environmental Protection
03/28/2014

9100988P



ICG TYGART VALLEY, LLC

2708 Cranberry Square, Morgantown, West Virginia 26508

February 12, 2014

WV Department of Environmental Protection
Office of Oil and Gas
601 – 57th Street, S.E.
Charleston, West Virginia 25304

To Whom It May Concern:

As per the WV Department of Environmental Protection, Office of Oil and Gas request, ICG Tygart Valley, LLC, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil and Gas Pit Waste Discharge Application), ICG Tygart Valley, LLC, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities O-2017-06.

Sincerely,

Charles E. Duckworth
Designated Agent

Received
Office of Oil and Gas
WV Dept. of Environmental Protection

03/28/2014

ICG TYGART VALLEY, LLC

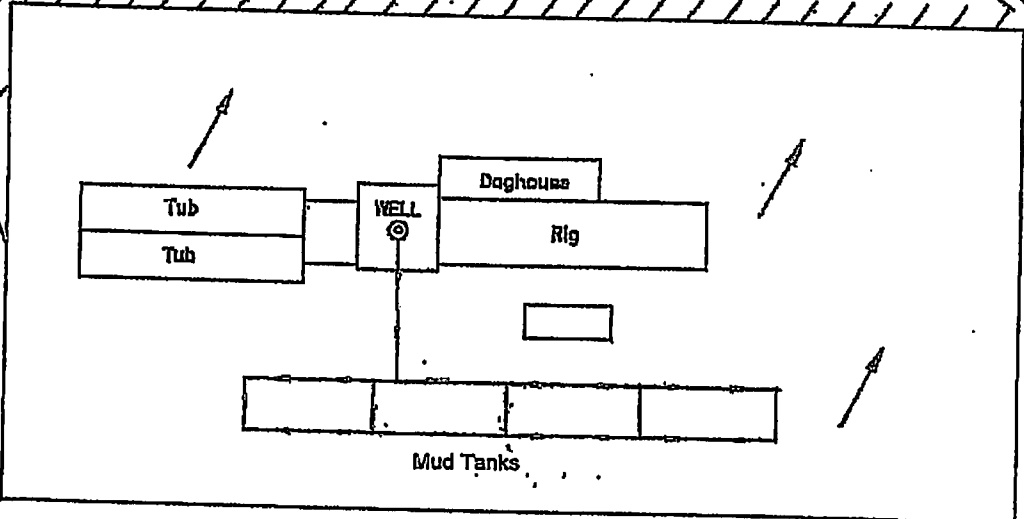
Typical Drawing
Of Well Plugging Site
Plan

Diversion Ditch (as Needed)

CUT

Cut Mulched if Slope
Less than 1 to 1

Sediment
Catch Basin



Sediment
Catch Basin

Compacted and Layed

FILL

Hay Bales
or
Sediment Fence

Original Ground Keywayed

Approved

WV Dept. of Environmental Protection
Office of Oil and Gas

9100988P