

FILE NO. W10-290-1813  
 DRAWING NO. W10-290-A3  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF 1:2500  
 ACCURACY 1:2500  
 PROVEN SOURCE OF GES  
 ELEVATION GES  
GLOBAL POSITIONING SYSTEM

(+ ) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC

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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) [Signature]  
 PROFESSIONAL SURVEYOR No. 1841



WVDEP  
 OFFICE OF OIL AND GAS  
 1356 HANSFORD ST.  
 CHARLESTON, WV 25301

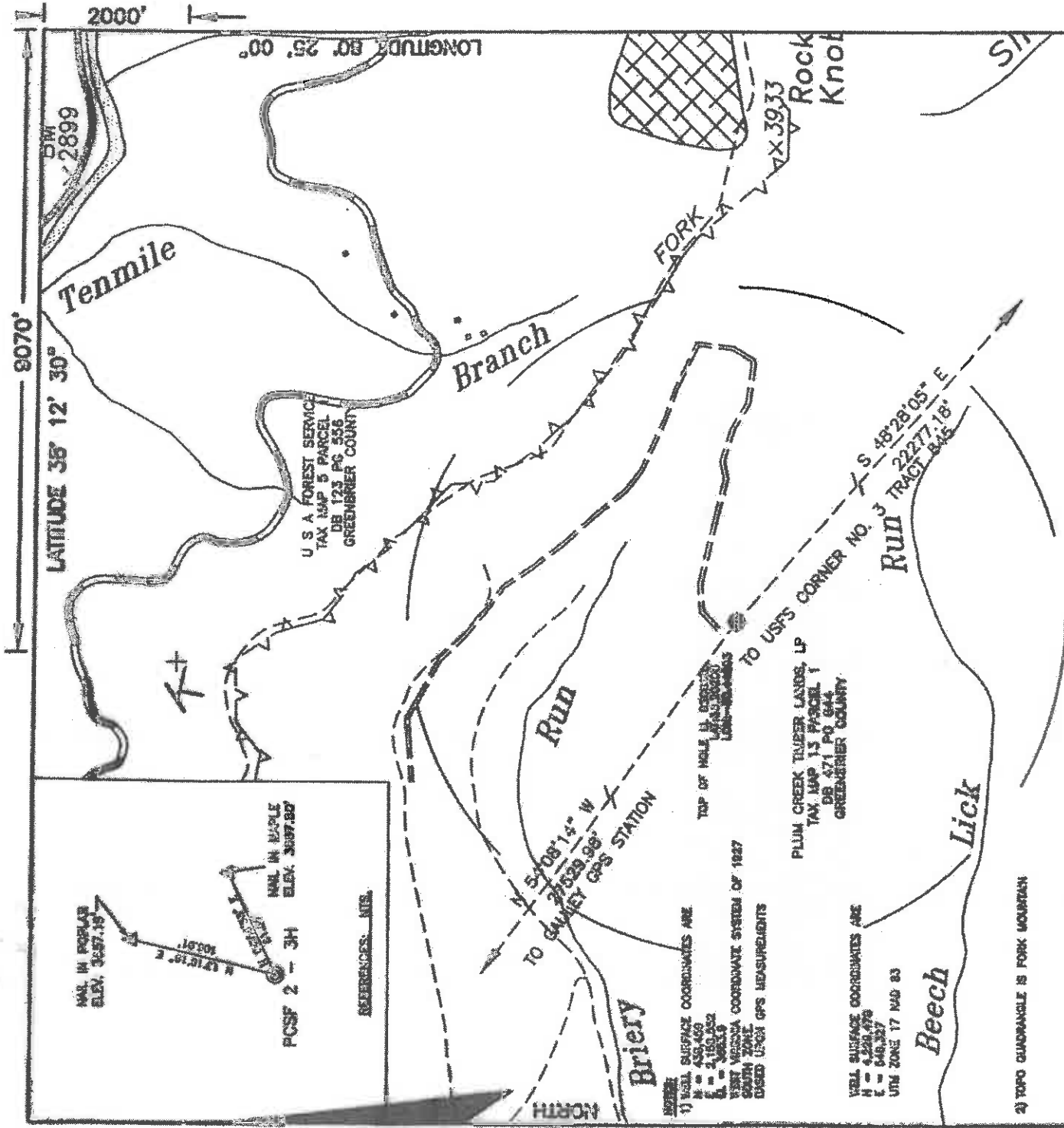
DATE NOVEMBER 2010  
 OPERATOR'S WELL NO. PCSF 2 - 3H  
 API WELL NO. 4702500033H

STATE WEST VIRGINIA COUNTY GREENBRIER PERMIT CANCELLED

WELL TYPE: OIL    GAS X CBM    LIQUID INJECTION    WASTE DISPOSAL     
 (IF "GAS,") PRODUCTION X STORAGE    DEEP    SHALLOW X  
 LOCATION: ELEVATION 3700 ± WATERSHED SOUTH FORK OF CHERRY RIVER  
 DISTRICT FALLING SPRINGS COUNTY GREENBRIER  
 QUADRANGLE FORK MOUNTAIN ACREAGE 21527  
 SURFACE OWNER PLUM CREEK TIMBERLANDS, LP LEASE ACREAGE 21527  
 OIL & GAS ROYALTY OWNER HIGHLAND RESOURCES INC., & BRC APPALACHIAN MINERALS I, LLC, & OXY USA, INC.

PROPOSED WORK: DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR STIMULATE X  
 PLUG OFF OLD FORMATION    PERFORATE NEW FORMATION    OTHER PHYSICAL CHANGE     
 IN WELL (SPECIFY)     
 PLUG AND ABANDON    CLEAN OUT AND REPLUG     
 TARGET FORMATION Marcellus Shale  
 ESTIMATED DEPTH TVD = 8146' MD = 13555'

WELL OPERATOR BRC OPERATING COMPANY, LLC DESIGNATED AGENT MARC MONTELEONE  
 ADDRESS 200 CRESCENT COURT, SUITE 200 ADDRESS 600 QUARRIER STREET  
DALLAS, TX 75201 CHARLESTON, WV 25325

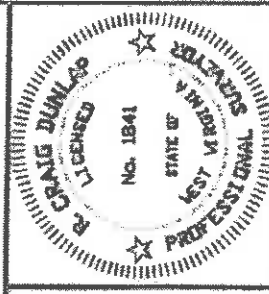


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC

FILE NO. W10-290-1813  
 DRAWING NO. W10-290-691  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1:2500  
 PROVEN SOURCE OF ELEVATION GPS  
 GLOBAL POSITIONING SYSTEM

I, 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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) [Signature]  
 PROFESSIONAL SURVEYOR No. 1841



WV DEP  
 OFFICE OF OIL AND GAS  
 1300 HANSTFORD ST.  
 CHARLESTON, WV 25301



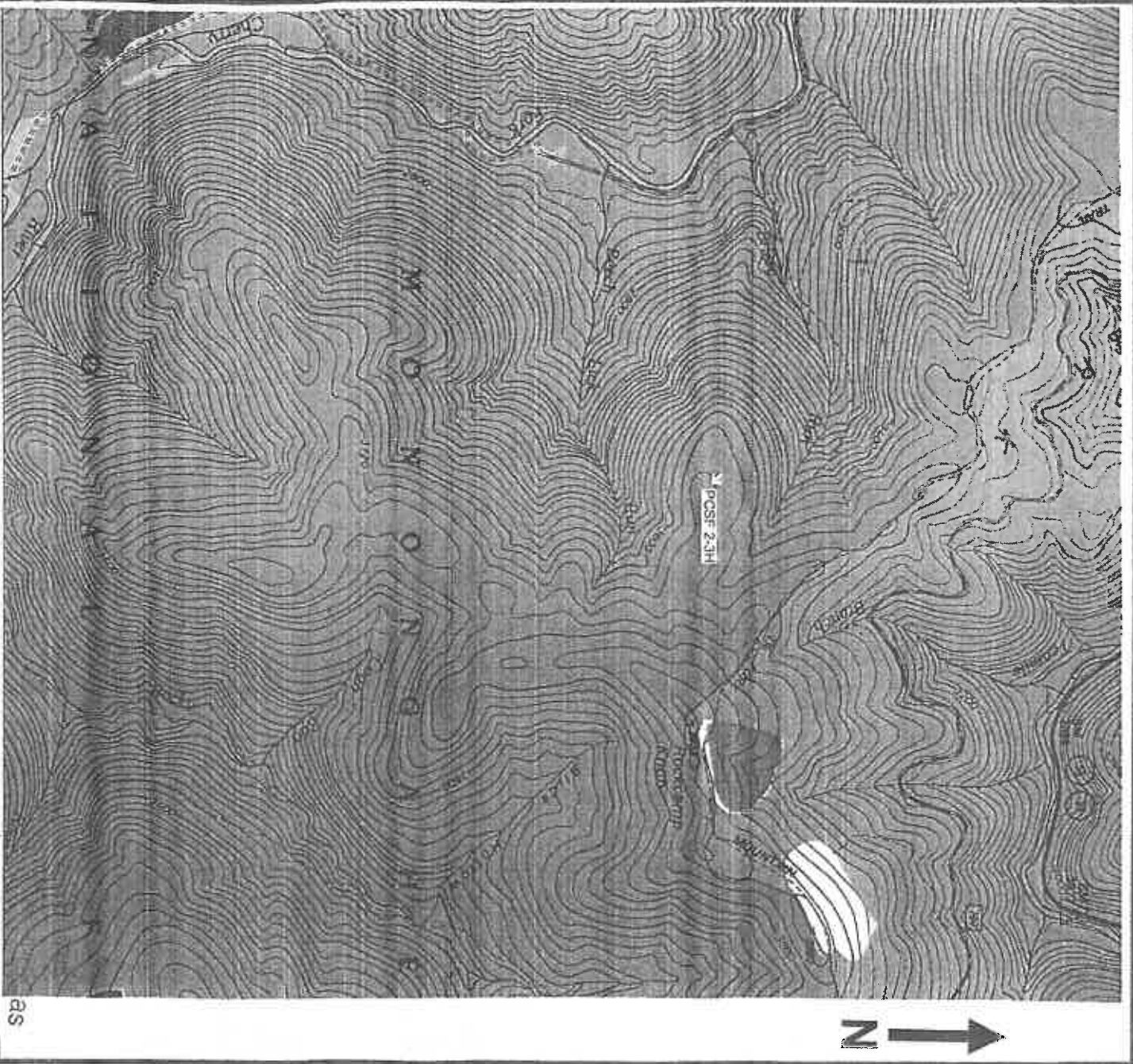
DATE OCTOBER 2013  
 OPERATOR'S WELL NO. PCSF 2 - 3H  
 API WELL NO. 47 025 00033HP

WELL TYPE: OIL  GAS  CBM  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 3684.1 WATERSHED SOUTH FORK OF CHERRY RIVER  
 DISTRICT FALLING SPRINGS COUNTY GREENBRIER  
 QUADRANGLE FORK MOUNTAIN ACREAGE 21527  
 SURFACE OWNER PLUM CREEK TIMBERLANDS, LP LEASE ACREAGE 21527  
 OIL & GAS ROYALTY OWNER HIGHLAND RESOURCES INC. & BRC APPALACHIAN MINERALS I, LLC, & OXY USA, INC.

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE   
 IN WELL (SPECIFY) CONDUCTOR PIPE INSTALLED 130 FEET DEEP  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Drilling Operations Controlled  
 ESTIMATED DEPTH TVD = 130'

WELL OPERATOR BRC OPERATING COMPANY, LLC DESIGNATED AGENT MARC MONTELEONE  
 ADDRESS 200 CRESCENT COURT, SUITE 200 ADDRESS 800 QUARRIER STREET  
DALLAS, TX 75201 CHARLESTON, WV 25325  
11/08/2013

25 000 33HP



### LOCATION MAP

BRC Operating Company, LLC  
PCSF 2-3H  
Location: Falling Springs District  
Greenbrier County, WV  
New Tech / Carr Environmental Group  
2000 Town Center Blvd, Suite 220  
Canonsburg, PA 15317  
T 724.745.5829 F 724.745.7876  
[www.rlpcsg.com](http://www.rlpcsg.com)



11/08/2013





25-00033 ✓

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-25-00033 County Greenbrier District Falling Springs  
Quad Fork Mountain Pad Name PCSF Field/Pool Name  
Farm name Plum Creek South Fork Well Number PCSF 2-3H  
Operator (as registered with the OCG) BRC Operating Company, LLC  
Address 200 Crescent Court, Suite 200 City Dallas State TX Zip 75201

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 38 12' 10.65" Easting -80 28' 52.91"  
Landing Point of Curve Northing N/A Easting N/A  
Bottom Hole Northing N/A Easting N/A

Elevation (ft) 3,654 ft. GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Re-work  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other Use as Directed  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other  
Drilled with  Cable  Rotary  
Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)

Date permit issued 12/30/2010 Date drilling commenced 8/6/2011 Date drilling ceased 8/13/2011  
Date completion activities began N/A Date completion activities ceased 6/11/2013  
Verbal plugging (Y/N) Y Date permission granted 6/9/2013 Granted by Gary Kennedy

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A, Not reached Open mine(s) (Y/N) depths N/A  
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N/A  
Coal depth(s) ft N/A, Not reached Cavern(s) encountered (Y/N) depths N/A  
Is coal being mined in area (Y/N) N

**RECEIVED**  
Office of Oil & Gas

Reviewed by: \_\_\_\_\_

OCT 30 2013

WV Department of  
Environmental Protection

11/01/2013

unnamed(0)64

API 47-25 00033

Farm name Plum Creek South Fork

Well number PCSF 2-3H

CASING STRINGS	Hole Size	Casing Size	Depth	New w/ (Lev)	Grade w/ft	Ruska (Depth)	Dil cement circulate (Y/N) * Provide details below
Conductor	24"	20	130'	New	X-35		Y
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details: Drilling operation suspended following conductor installation. BU Surfline surface cement used, cement to surface.

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (lbs)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (ft)	WOC (ft)
Surfline	BU Surfline				207	130	
Coal	Prod to Surface which is Extended				283	130	
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 130

Loggers TD (ft) Records not made

Deepest formation penetrated Pennsylvanian Geological System

plug back to (ft) N/A

Kick off depth (ft) N/A

Check all wireline logs run  
 caliper  density  deviated/directional  
 neutron  resistivity  gamma ray  induction  
 temperature  sonic

Well cored  Yes  No  Conventional  Sidewall  Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING N/A

RECEIVED  
Office of Oil & Gas

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS OCT 30 2013

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS  
 WV Department of Environmental Protection

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED

11/01/2013







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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Plum Creek Timberlands, LP Operator Well No.: PCSF 2-3H

LOCATION: Elevation: 3,665' Quadrangle: Fork Mountain  
District: Falling Springs County: Greenbrier  
Latitude: 37° 10' 00" Feet South of 38 Deg. 12 Min. 30 Sec.  
Longitude: 80° 25' 00" feet West of 80 Deg. 25 Min. 00 Sec.

Well Type: OIL X GAS

Company BRC Operating Co., LLC Coal Operator Plum Creek Timberlands, LP (Surface Owner)  
200 Crescent Court, Suite 200 or Owner P.O. Box 1109  
Dallas, TX 75201 Lewisburg, WV 24901-4110

Agent Marc A. Monteleone Coal Operator RECEIVED  
Permit Issued Date 12/30/2010 Office of Oil & Gas

AFFIDAVIT JUL 10 2013

STATE OF WEST VIRGINIA,  
County of GREENBRIER ss:

JAKE BENTON and KB WEILBORE SOLUTIONS being first duly sworn and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 8 day of JUNE, 2013 and the well was plugged and filled in the following manner:

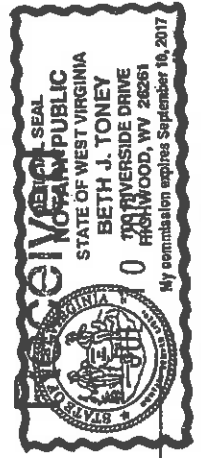
WV Department of Environmental Protection

TYPE	FROM	TO	PIPE REMOVED	LEFT
20" X-35	Surface	130'	NONE	130'
CEMENT	SURFACE	130'	NONE	
			(FILLED WITH CEMENT)	130'

Description of monument: CEMENT TO SURFACE and that the work of plugging and filling said well was completed on the 11 day of JUNE, 2013.

And further deponents saith not.  
Sworn and subscribe before me this 11 day of JUNE, 2013  
Jake Benton 6/17/13

My commission expires: SEP 10 2017  
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Amy Kennedy 11/15/2013  
Tiffany Dean, WV Dept. of Environmental Protection

