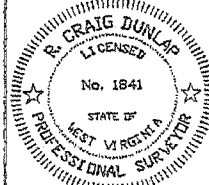


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC

FILE NO. W10-290-1813
DRAWING NO. W10-290-A21
SCALE 1"=1000'
MINIMUM DEGREE OF
ACCURACY 1:2500
PROVEN SOURCE OF
ELEVATION GPS
GLOBAL POSITIONING SYSTEM

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) R. G. Dunlap
PROFESSIONAL SURVEYOR No. 1841



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



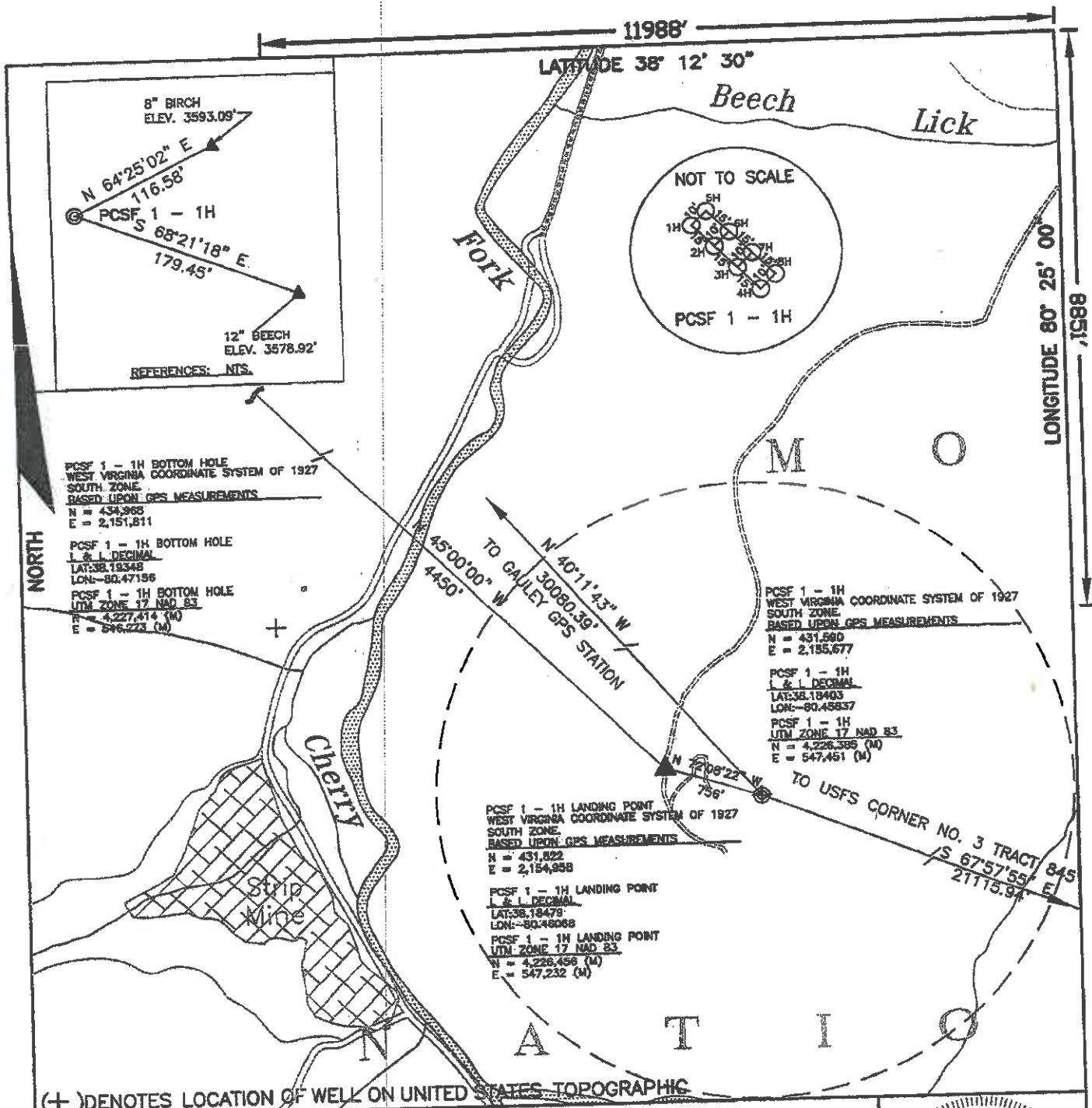
DATE MARCH 21 2011
OPERATOR'S WELL NO. PCSE 1 - 1H
API WELL NO. 47-025-00038 HP

STATE COUNTY PERMIT

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 3800 ± 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) _____
PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Marcellus Shale
ESTIMATED DEPTH TVD = 8060' MD = 12930'

WELL OPERATOR BRC OPERATING COMPANY, LLC
ADDRESS 200 CRESCENT COURT, SUITE 200
DALLAS, TX 75201

DESIGNATED AGENT MARC MONTELEONE
ADDRESS 600 QUARRIER STREET
CHARLESTON, WV 25325

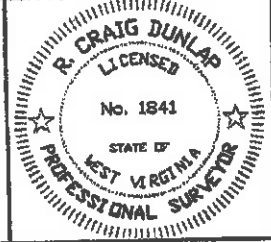


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC

FILE NO. W10-290-1813
 DRAWING NO. W10-290-A21
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:2500
 PROVEN SOURCE OF ELEVATION GPS
GLOBAL POSITIONING SYSTEM

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) R. Craig Dunlap
 PROFESSIONAL SURVEYOR No. 1841



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

WELL TYPE: OIL GAS CBM LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 3600± 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, L.L.C., & 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) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Marcellus Shale
 ESTIMATED DEPTH TVD = 8060' MD = 12930'

DATE MARCH 21, 2011
 OPERATOR'S WELL NO. PCSF 1-1H
 API WELL NO. 47-025-00038H
 STATE COUNTY PERMIT

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

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

DATE: 02/06/2013
API #: 47-25-00038

Farm name: Plum Creek Timberlands, LP Operator Well No.: PCSF 1-1H

LOCATION: Elevation: 3,569 Quadrangle: Fork Mountain

District: Falling Springs County: Greenbrier
Latitude: 8,851 Feet South of 38 Deg. 12 Min. 30 Sec.
Longitude 11,888 Feet West of 80 Deg. 25 Min. 00 Sec.

Company: BRC Operating Company, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
200 Crescent Court, Suite 200 Dallas, TX 75201	20"	100'	98'	
Agent: <u>Marc A. Monteleone</u>	13.375"	1,541'	1,539'	1,302 Lead / 180 Tail
Inspector: <u>Gary Kennedy</u>				
Date Permit Issued: <u>7/14/11</u>				
Date Well Work Commenced: <u>10/14/11</u>				
Date Well Work Completed: <u>11/14/11</u>	Cement plug		1,236' - 2,267'	553
Verbal Plugging: <u>Gary Kennedy</u>	Cement plug		13.375" from 2' - 98'	78
Date Permission granted on: <u>11/7/11</u> Plugging Permit issued <u>4/10/12.</u>				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>4,886</u>				
Total Measured Depth (ft): <u>4,886</u>				
Fresh Water Depth (ft.): <u>1,500</u>				
Salt Water Depth (ft.): <u>2,350</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>610</u>				
Void(s) encountered (N/Y) Depth(s) <u>N/A</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Not Applicable Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ 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

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ 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

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the 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.

[Signature]
Signature

2/7/2013
Date

RECEIVED
Office of Oil and Gas
FEB 08 2013
West Virginia Department of Environmental Protection

02/22/2013

unnamed (o) u-o

957 02238

Were core samples taken? Yes No

Were cuttings caught during drilling? Yes No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list _____
Gamma Ray from 0' - 2338'

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

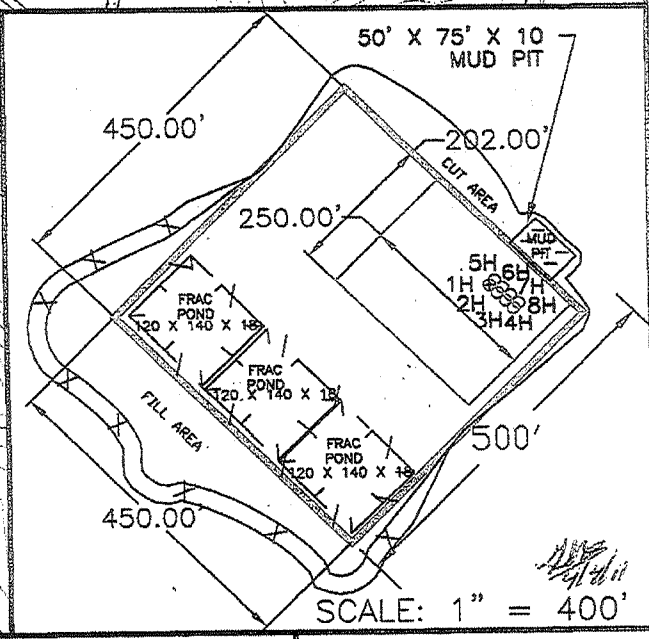
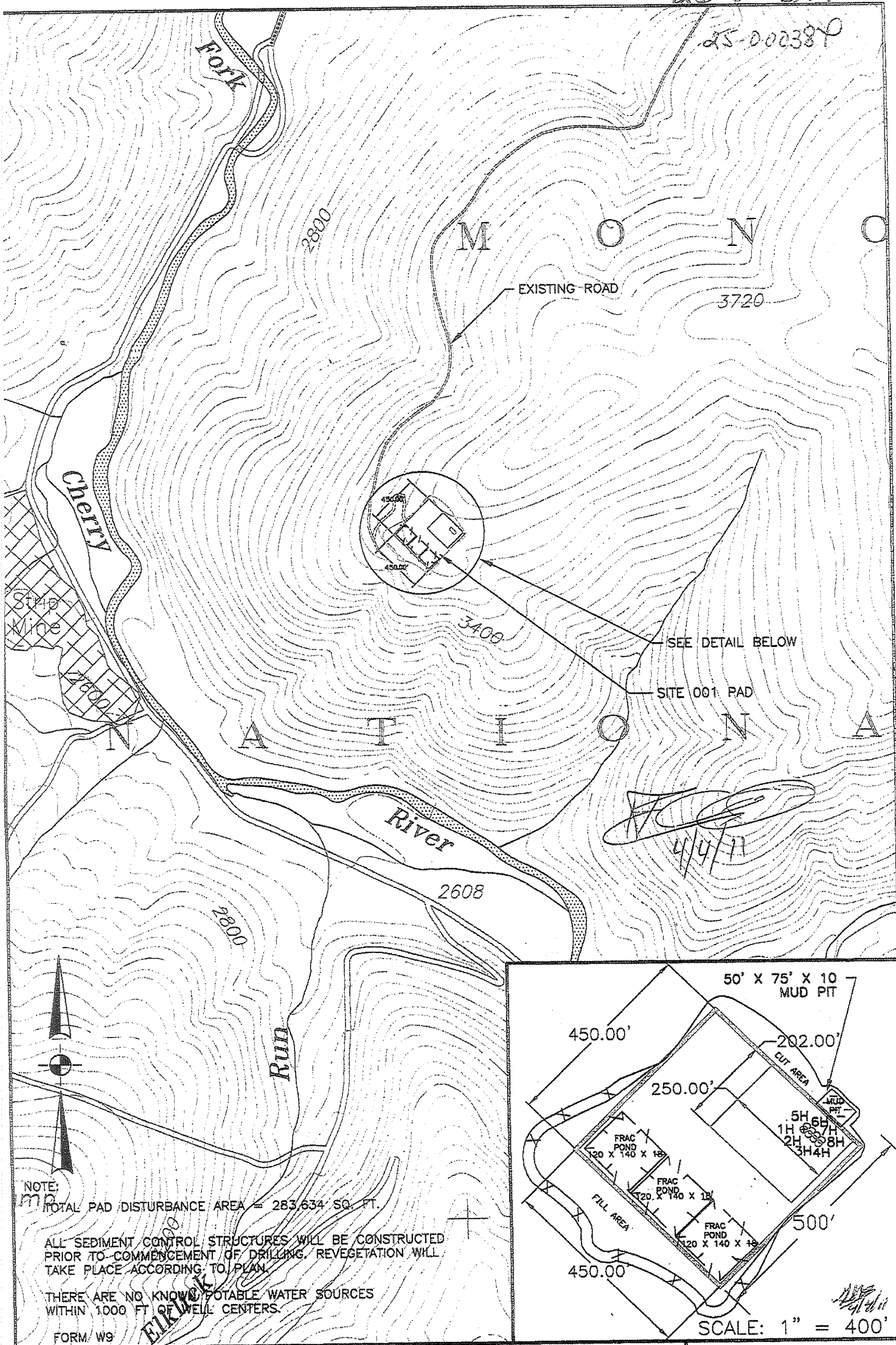
N/A

Plug Back Details Including Plug Type and Depth(s): Cement plug 13 3/8" casing and 12.25" open hole, from 1,236' to 2,267' / 98 bbls. Cement plug 13 3/8" casing, from 2' to 98' / 14 bbls.

Formations Encountered: Surface:	Top Depth	Bottom Depth
- Ravenciff Sandstone	1,584	1,604
- Lower Maxon Sandstone	1,908	1,928
- Greenbrier Limestone	2,010	2,060
- Big Lime Limestone	2,192	2,564
- Injun Sandstone	2,564	2,596
- Squaw Shale	2,596	2,762
- Weir Sandstone	2,762	3,183
- Berea Sandstone	3,183	3,269
- Gordon Sandstone	3,269	3,301
- Huron Shale	4,278	

02/22/2013

25-000387



NOTE:
TOTAL PAD DISTURBANCE AREA = 283,634 SQ. FT.

ALL SEDIMENT CONTROL STRUCTURES WILL BE CONSTRUCTED PRIOR TO COMMENCEMENT OF DRILLING. REVEGETATION WILL TAKE PLACE ACCORDING TO PLAN.

THERE ARE NO KNOWN POTABLE WATER SOURCES WITHIN 1000 FT OF WELL CENTERS.

FORM W9

SCALE: 1" = 400'

Alliance Consulting, Inc.
Engineers
Constructors
Scientists
BECKLEY, WV (304) 255-0491
SUMMERSVILLE, WV (304) 883-2360
cdunlap@acci-wv.com

SITE PLAN MAP
PLUM CREEK SOUTH FORK SITE 001 WELLS
1H, 2H, 3H, 4H, 5H, 6H, 7H AND 8H
NEAR RICHWOOD, GREENBRIER COUNTY, WEST VIRGINIA
DRAWING NUMBER: W10-290-A42
SCALE: 1" = 1000'
DRAWN BY: RCD
CHECKED BY: RCD
APPROVED BY: RCD

PREPARED FOR
BRC OPERATING CO. LLC.
200 CRESCENT COURT
SUITE 200
DALLAS, TEXAS 75201
06/15/2012