

NOTES:

All known oil & gas wells within 2,400' of the proposed well location are shown hereon.
 The bearings and distances shown hereon are based on the WV State Plane Coordinate System, NAD 27 South Zone.

West Virginia State Plane
 South Zone NAD '27
 N 623,509.30 : E 1,793,403.48
 UTM 17 - NAD 83 - Meters
 N 4,284,862.95 : E 437,065.94

FILE #: _____
 DRAWING #: Boswell 1 ww6
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY: 1 : 12,729
 PROVEN SOURCE OF ELEVATION: Global Positioning System (GPS)

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 ENVIROMENTAL PROTECTION.
 Signed: Don K. Cunningham
 R.P.E.: _____ L.L.S.: 701

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

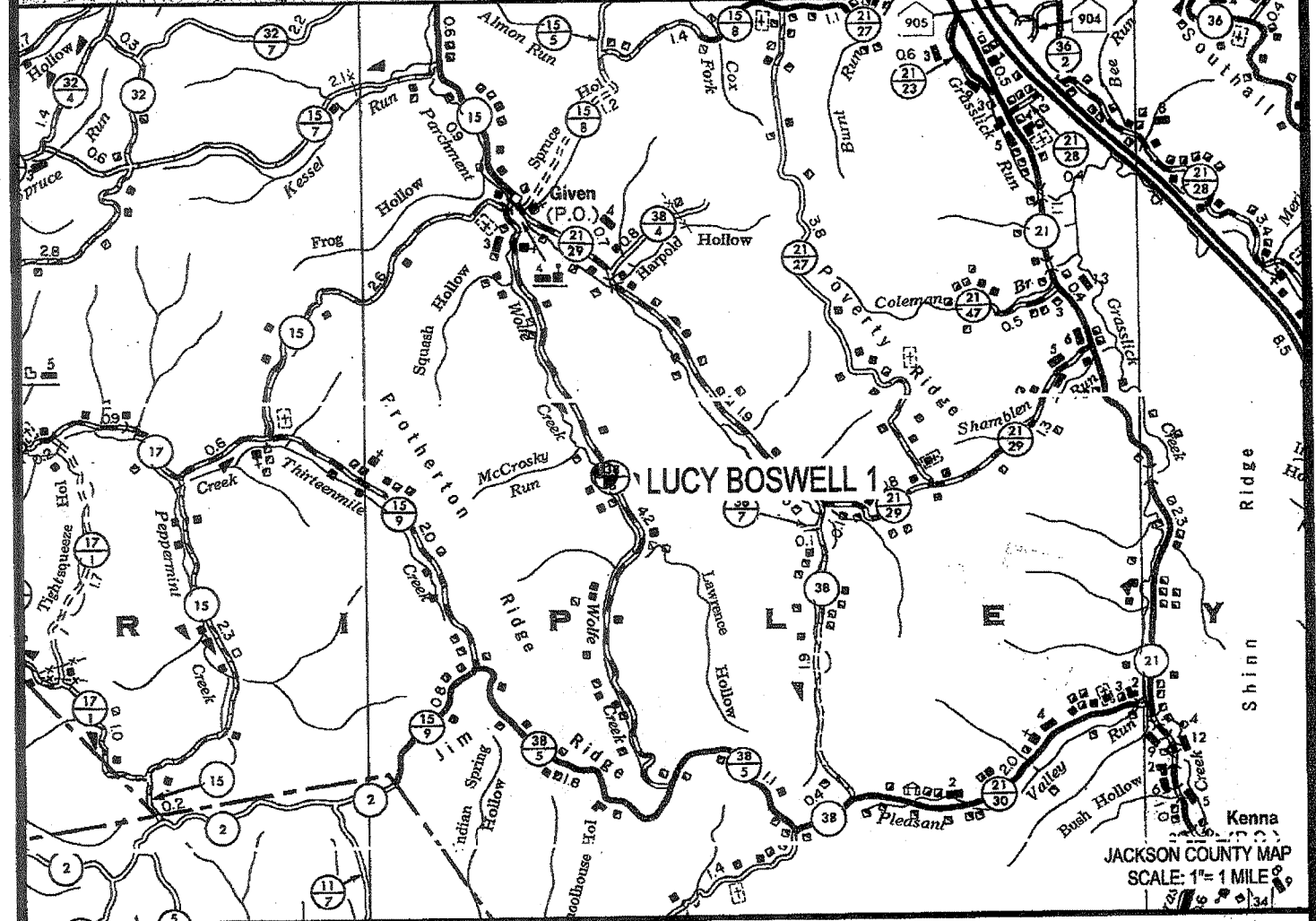
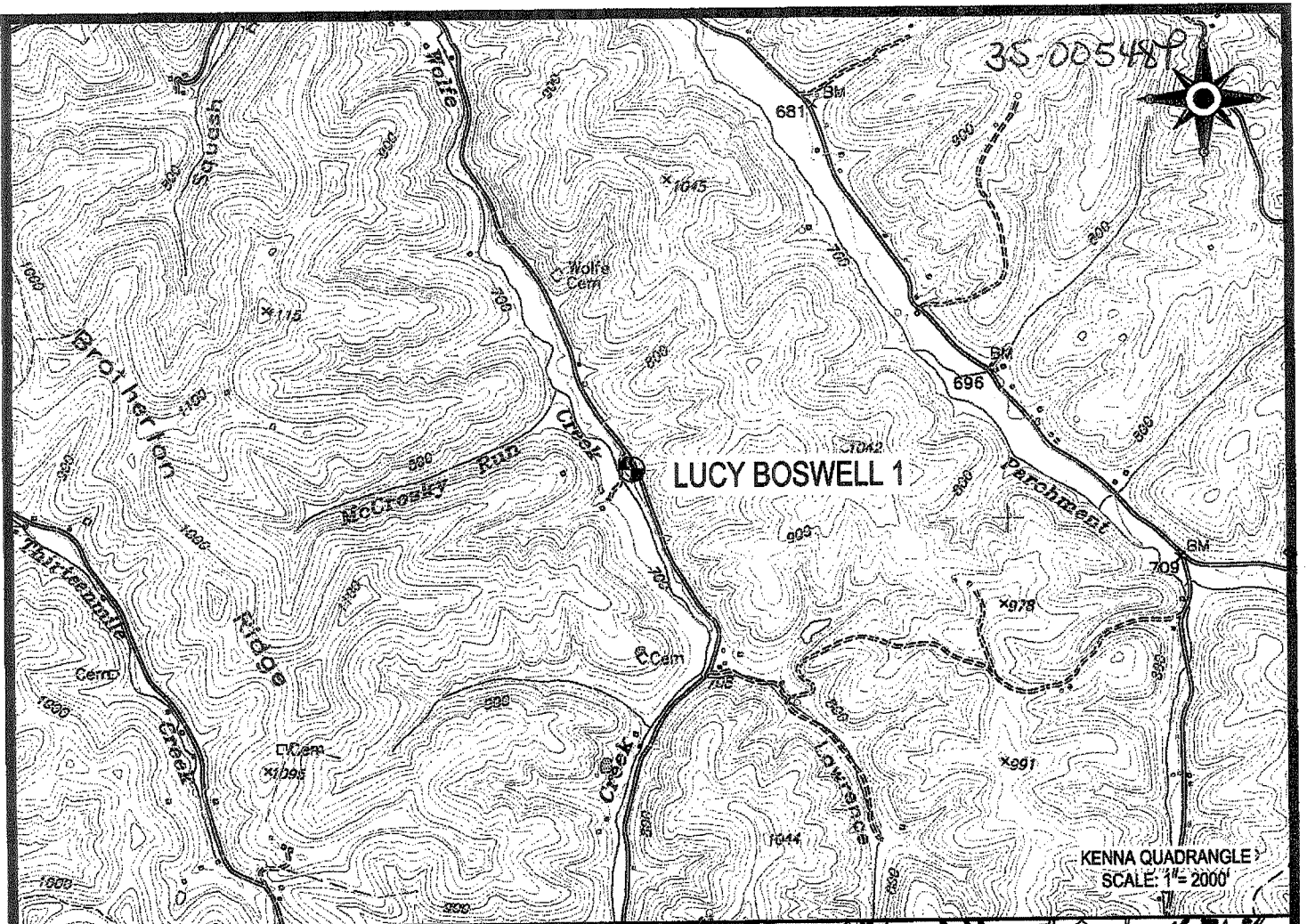


DATE: April 13, 2012
 OPERATOR'S WELL #: Lucy Boswell 1
 API WELL #: 47 035 00548P
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: Wolfe Creek of Parchment Creek ELEVATION: 710.28'
 COUNTY/DISTRICT: Jackson / Ripley QUADRANGLE: Kenna
 SURFACE OWNER: Richard Keith Given Revocable Trust ACREAGE: 106.19
 OIL & GAS ROYALTY OWNER: Lucy Boswell, et al ACREAGE: 172
 LEASE #: 47-0585 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: _____ ESTIMATED DEPTH: _____
 WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT Brian Hall
 Address Five Penn Center West, Suite 401 Address P.O. Box 260
 City Pittsburgh State PA Zip Code 15276 City Danville State WV Zip Code 25053



 Cabot Oil & Gas Corporation

LUCY BOSWELL 1
LOCATION MAP

LOCATED ON THE WATERS OF WOLFE CREEK
OF PARCHMENT CREEK
RIPLEY DISTRICT, JACKSON COUNTY, W.VA
KENNA QUADRANGLE

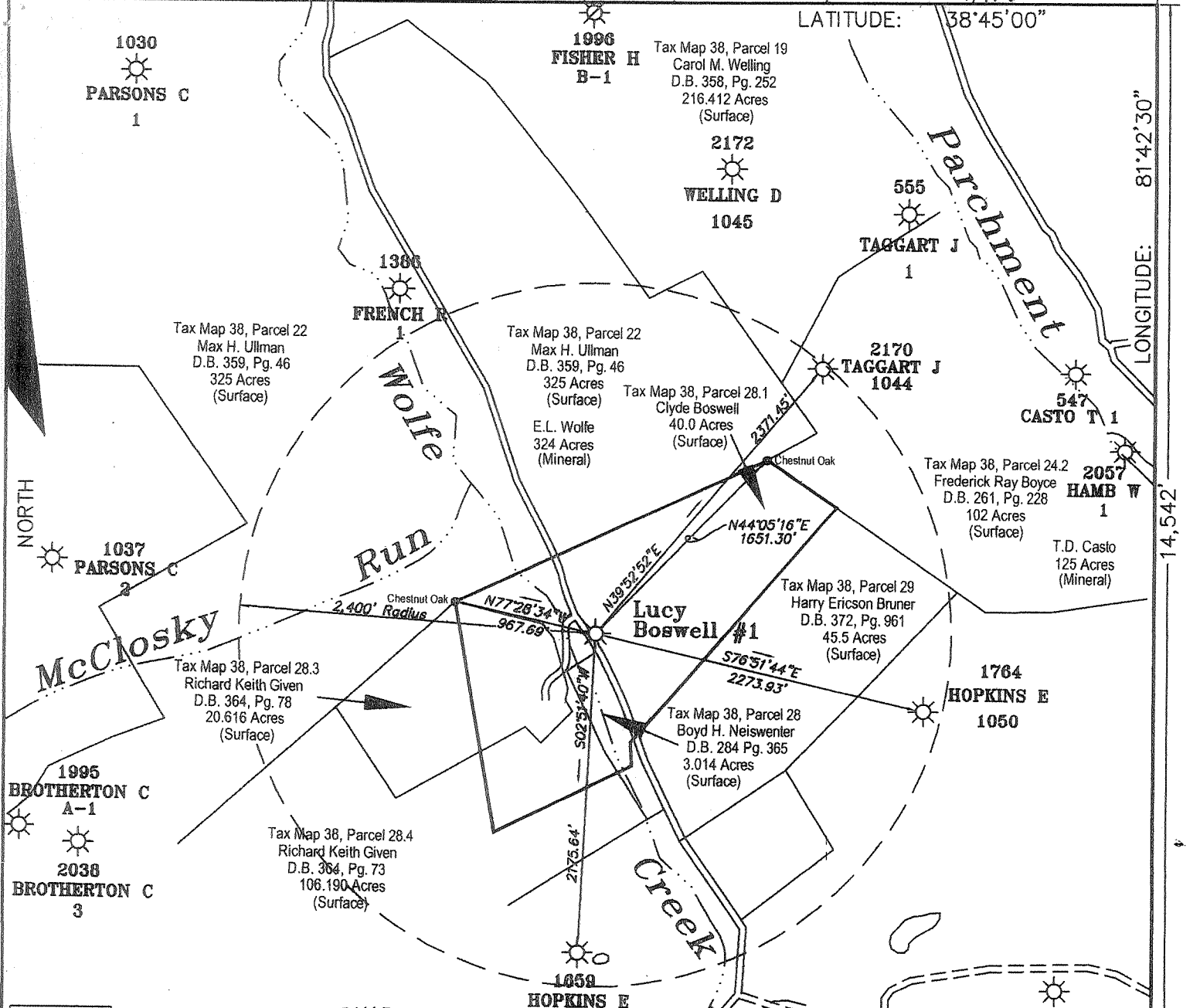


CUNNINGHAM

LAND SURVEYING & MAPPING SERVICES, LLC

• 5213 STEPHEN WAY •
• CROSS LANES, WEST VIRGINIA 25313 •
• VOICE (304) 561-4129 • FAX (304) 776-0703 •
• E-MAIL ADDRESS • DKCUNNINGHAM@SUDDENLINK.NET •

PROJECT NO. CABOT	DWG. NO. BOSWELL 1 LOC.DWG
DATE: 04-13-12	SCALE: AS NOTED
CHK'D BY: D.K.C.	
DRAWN BY: G. PERKINS	
FILE: C:\PROJECT FOLDER\CABOT	



NOTES:
 All known oil & gas wells within 2,400' of the proposed well location are shown hereon.
 The bearings and distances shown hereon are based on the WV State Plane Coordinate System, South Zone, NAD '27.

Coordinates for Well Location No. Lucy Boswell #1
 West Virginia State Plane South Zone NAD '27
 N 623,509.44 : E 1,793,402.29

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

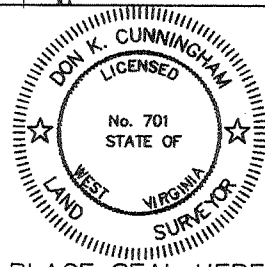
FILE NO. _____
 DRAWING NO. 1-WW6.dwg
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 12,729
 PROVEN SOURCE OF ELEVATION Global Positioning System (GPS)

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 THE LAW AND THE REGULATIONS AND ISSUED PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) Don K. Cunningham
 R.P.E. _____ L.L.S. 701

7.5' Topo Location

PLACE SEAL HERE



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

DATE August 11, 2005
 OPERATOR'S WELL NO. Lucy Boswell #1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 708.21' WATER SHED Wolfe Creek of Parchment Creek
 DISTRICT Ripley COUNTY Jackson
 QUADRANGLE Kenna

SURFACE OWNER Clyde Boswell (Tax Map 38, Parcel 28.1) Neiswenter ACREAGE 40.0
 OIL & GAS ROYALTY OWNER Lucy Boswell etal LEASE ACREAGE 172.0

LEASE NO. 47-875

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

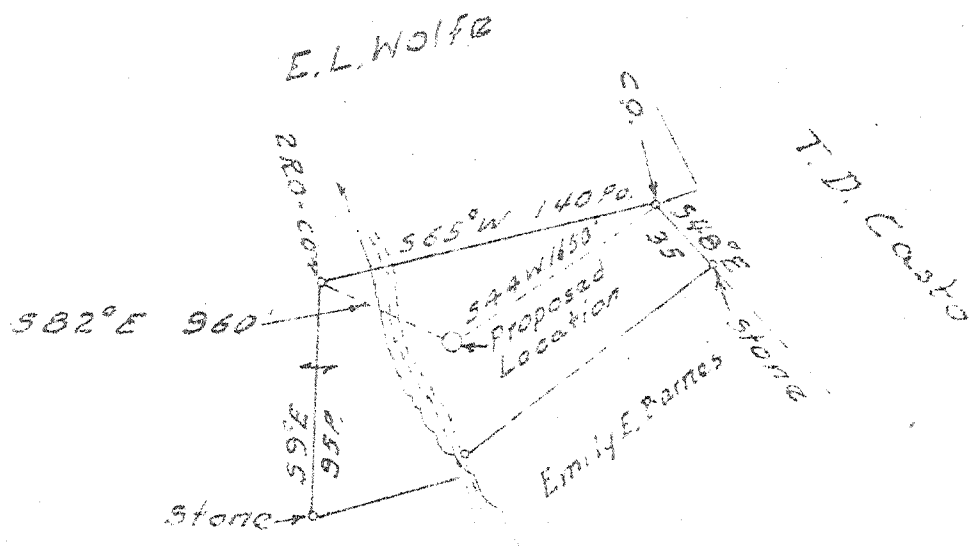
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION Oriskany ESTIMATED DEPTH 4,983'
 WELL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT Thomas S. Liberatore
 ADDRESS P.O. Box 1473 ADDRESS P.O. Box 1473
Charleston, WV 25325 Charleston, WV 25325

Eik Poca (Sissonville) 66 & 8/15/2005
 (192)
 NOV 18 2005



2.85-S
~~2.88-S~~
~~3.12-W~~
 3.18-W
 3



New Location X
 Drill Deeper
 Abandonment

Company Godfrey L. Cabot, Inc.
 Address 300 Union Bldg Charleston, W. Va.
 Farm Lucy Boswell et al
 Tract _____ Acres 172 Lease No. 3-875
 Well (Farm) No. 1 Serial No. 1235
 Elevation (Spirit Level) 712.02
 Quadrangle Kenna - NW
 County Jackson District Ripley
 Engineer Roy Borton
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 2-4-47 Scale 1" = 1320'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. JAC-548

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500. latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

Deep Well

FACT 2-23-58

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Jac 548
Ripley Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Date shot

Gas Well
CASING & TUBING

Godfrey L. Cabot, Inc.
Charleston, W.Va. 16 62.57 21 21 *
Lucy Boswell et al Acres 13 3/8 54.50 396 396 **
10 1/2 49.50 905 905 ***
1-serial 1235 Elev. 712.02 . 8 5/8 2050 2050 ****
Ripley Jackson County 7 23# 4825 4825 ****

* Conductor
** One half coupling csg. shoe
*** 10 1/2 x 12 csg. shoe
**** 8 5/8 x 10 x 16 Spang B.H.
Packer # 17654
***** 8" O.D. x 8 5/8 x 15 Lead Spang B.H. Packer #20836

Water 35' HFW; trace of water in sand at 620'
1000' 1/2 blr, per hr.; 1560' HFW
36/10ths W in 3" 1 hr. A.S.
569 MCF
1140 lbs. 39 hrs.; Oriskany
csg. leaking 66 M at 1140#

Surface	0	18	Slate	4160	4580
Red Rock	18	45	Brown Shale	4580	4675
Slate	40	75	Slate SL 4825 *	4675	4760
Blue Sand	75	90	Black Shale - <i>MARCELUS</i>	4760	4815
Red Rock	90	160	-Corniferous Lime <i>MS</i>	4815	4921 SLM
Shale	160	195	Oriskany (1st Sand)	4921	4951
Red Rock	195	230	Sandy Lime	4951	4953
Slate	230	268	Limey Sand (2nd Sand)	4953	4981
Red Rock	268	291	-Lime & Chert	4981	4983
Slate	291	320	Total Depth		4983
Red Rock	320	380			
Sand	380	395	*7-9-47 by Williamson		
Slate	395	470	4923 SLM Gas 4932-34 211 M		
Pink Rock	470	495	Gas 4963-64 increased from 47 M to 158 M		
Red Rock	495	515	Open flow at total depth 84 M		
Slate	515	530			
Red Rock	530	565			
Blue Slate	565	585			
Red Rock	585	595			
Blue Slate	595	605			
Sand	605	625			
White Slate	625	630			
Red Rock	630	655			
White Slate	655	665			
Red Rock	665	715			
White Slate	715	755			
Red Rock	755	810			
Slate	810	830			
Red Rock	830	852			
White Slate	852	870			
Red Rock	870	895			
Slate & Shells	895	960			
Sand <i>Big bank?</i>	960	1025			
Lime	1025	1080			
Slate & Shells	1080	1110			
Sand	1110	1290			
Slate & Shells	1290	1400			
Lime	1400	1420			
Slate & Shells	1420	1550			
Salt Sand	1550	1750			
Lime	1750	1765			
Big Lime	1765	1920			
Sand <i>Injun</i>	1920	2035			
Lime	2035	2060			
Slate & Shells	2060	2400			
Berea	2400	2430			
Slate & Shells	2430	3240			
Shale & Shells	3240	3625			
Brown Shale - <i>441</i>	3625	3690			
Slate & Shells	3690	3870			
Brown Shale	3870	4160	Gas not enough to test		

WR-35

Date July 29, 2008
API # 47- 035 - 00548

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Boswell, Clude Operator Well No.: Lucy Boswell #1 WO

LOCATION: Elevation: 709' Quadrangle: Kenna
District: Ripley County: Jackson
Latitude: 14542' feet South of 38° DEG. 42' MIN. 30" SEC.
Longitude: 4470' feet West of 81° DEG. 42' MIN. 30" SEC.

Company: Cabot Oil & Gas Corporation
900 Lee Street East, Suite 500
Charleston, WV 25301

Agent: Thomas S. Liberatore
Inspector: Larry Parrish
Permit Issued: 11/16/2005
Well Work Commenced: December 2, 2005
Well Work Completed: March 29, 2006
Verbal Plugging: _____
Permission granted on: _____
Rotary X Cable _____
Total Depth (feet) PBTD @ 4203'
Fresh Water Depths (ft) See Original Permit 035-00548
Salt Water Depths (ft) See Original Permit 035-00548
Is coal being mined in area (Y/N)? NO
Coal Depths (ft) See Original Permit 035-00548

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
16"	21'	21'	Existing
13-3/8"	396'	396'	Existing
10-3/4"	905'	905'	Existing
8-5/8"	2050'	2050'	Existing
4-1/2"		4172'	121
2-3/8"		4092'	
PLUG BACK SHOWN ON BACK PAGE			

OPEN FLOW DATA

Producing Formation LOWER HURON SHALE Pay Zone _____
 Depth (ft) 3944' - 4160'

Gas: Initial Open Flow TSTM MCF/d Oil: Initial Open Flow 0 Bbl/d
 Final Open Flow 189 (COMMINGLED) MCF/d Final Open Flow 0 Bbl/d
 Time of open flow between initial and final tests 8 Hours
 Static rock pressure 600 psig surface pressure after 16 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

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: **CABOT OIL & GAS CORPORATION**

By: [Signature] **Drilling Superintendent**

Date: 7/29/08

AUG 15 2008

JAC 0548

STAGE	PERFS	ACID 15% HCl	FOAM	SAND (lbs)	NITROGEN (scf)	BDP	ATP	MTP	ISIP
1-Lower Huron Shale	3944-4160 (20)		85Q	49,000	1,077,724	4156	3391	4156	2323

FORMATION	TOP	BOTTOM	REMARKS
Sand, Shale & Slate	Surface	895	
Slate and Shales	895	960	
Sand	960	1025	
Lime	1025	1080	
Slate and Shales	1080	1110	
Sand	1110	1290	
Slate and Shales	1290	1400	
Lime	1400	1420	
Slate and Shales	1420	1550	
Salt Sand	1550	1750	
Lime	1750	1765	
Big Lime	1765	1920	
Sand	1920	2035	
Lime	2035	2060	
Slate and Shales	2060	2400	
Berea	2400	2430	
Slate and Shells	2430	3240	
Shale and Shells	3240	3625	
Brown Shale	3625	3690	
Slate and Shells	3690	3870	
Brown Shale	3870	4160	
Slate	4160	4580	PBTD @ 4203'
Brown Shale	4580	4675	
Slate SL 4625	4675	4760	
Black Shale	4760	4815	
Corniferous Lime	4815	4921	
Oriskany	4921	4951	
Sandy Lime	4951	4953	
Limey Sand	4953	4981	
Lime and Chert	4981	4983	Original TD

PLUGGED BACK AS FOLLOWS:

- Squeezed @ 4798' w/ 50 sks Type 1 cmt
- Squeezed @ 4784' w/ 150 sks Class 'A' cmt
- Set CIBP @ 4203'
- Squeezed @ 4185' w/ 20 bbls Class 'A' cmt
- Squeezed @ 3850 w/ 25 sks Class 'A' cmt
- Squeezed @ 3804' w/ 60 sks Class 'A' cmt
- Squeezed @ 3762' w/ 100 sks Type 1 cmt

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: Given, Richard Keith Operator Well No.: Lucy Boswell 1

LOCATION: Elevation: 710.28' Quadrangle: Kenna

District: Ripley County: Jackson

Latitude: 4470 Feet South of 38 Deg. 45 Min. 00 Sec.

Longitude: 14540 Feet West of 81 Deg. 42 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company Cabot Oil & Gas Corp Coal Operator _____
5 Penn Center W Ste 401 or Owner _____
Pittsburgh PA 15276 _____

Agent Brian Hall Coal Operator _____
Permit Issued Date 8/2/12 or Owner _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Lincoln ss:

Jesse Adkins and Matthew Adkins being first duly sworn according to law depose 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 15th day of Dec 2012 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel Hole	Surface	4160'		
Pull 2-3/8"		4085'	4085'	0
Cement	4160'	3830'		
Pull 4-1/2"		2434'	2434'	1384'
Cement	2389'	2181'		
Cement	2108'	2000'	Perf 7" - 2050'-2040'	1800'-1500'
Cont'd on page 2				

James Stevens

Description of monument: Erect monument with API# 47-035-00548P and that the work of plugging and filling said well was completed on the 2nd day of Jan. 2013

RECEIVED
Office of Oil and Gas

And further deponents saith not. [Signature]

[Signature]

Sworn and subscribe before me this 4th day of January, 2013

OFFICIAL SEAL
Notary Public, State of West Virginia
MICHAEL E MINNEY
233 Whispering Pines
Alum Creek, WV
My Commission Expires October 7, 2013
Department of Environmental Protection

My commission expires 10-7-2022

2/27/2013

Notary Public

Affidavit reviewed by the Office of Oil and Gas: [Signature]

Title: County Inspector 1/16/2013

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: Given, Richard Keith Operator Well No.: Lucy Boswell 1

LOCATION: Elevation: 710.28' Quadrangle: Kenna
District: Ripley County: Jackson
Latitude: 4470 Feet South of 38 Deg. 45 Min. 00 Sec.
Longitude: 14540 Feet West of 81 Deg. 42 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company Cabot Oil & Gas Corp. Coal Operator _____
5 Penn Center W Ste 401 or Owner _____
Pittsburgh PA 15276 _____

Agent Brian Hall Coal Operator _____
Permit Issued Date 8/2/12 or Owner _____

AFFIDAVIT

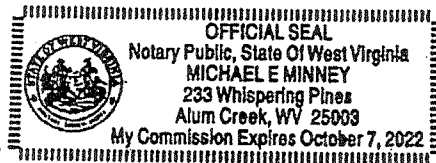
STATE OF WEST VIRGINIA,
County of Lincoln ss:

Jesse Adkins and Matthew Adkins being first duly sworn according to law depose 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 15th day of Dec., 2012 and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Pull 7"		1504'	1504'	2699'
Cement	1803'	1500'		
Cement	1500'	1400'		
Cement	1051'	850'		
Cement	653'	450'		
Cement	210'	Surface	Perf 13-3/4" - 200'	100'
No 8-5/8" & no 10-3/4" pipe found in well				

Description of monument: Erect monument with API# 47-035-00548P and that the work of plugging and filling said well was completed on the 2nd day of Jan., 2013

And further deponents saith not. [Signature]
[Signature]



Sworn and subscribe before me this 4th day of January, 2013

My commission expires: 10-7-2022

2/27/2013
Affidavit reviewed by the Office of Oil and Gas. [Signature] Notary Public Title: County Inspector 10/04/2013