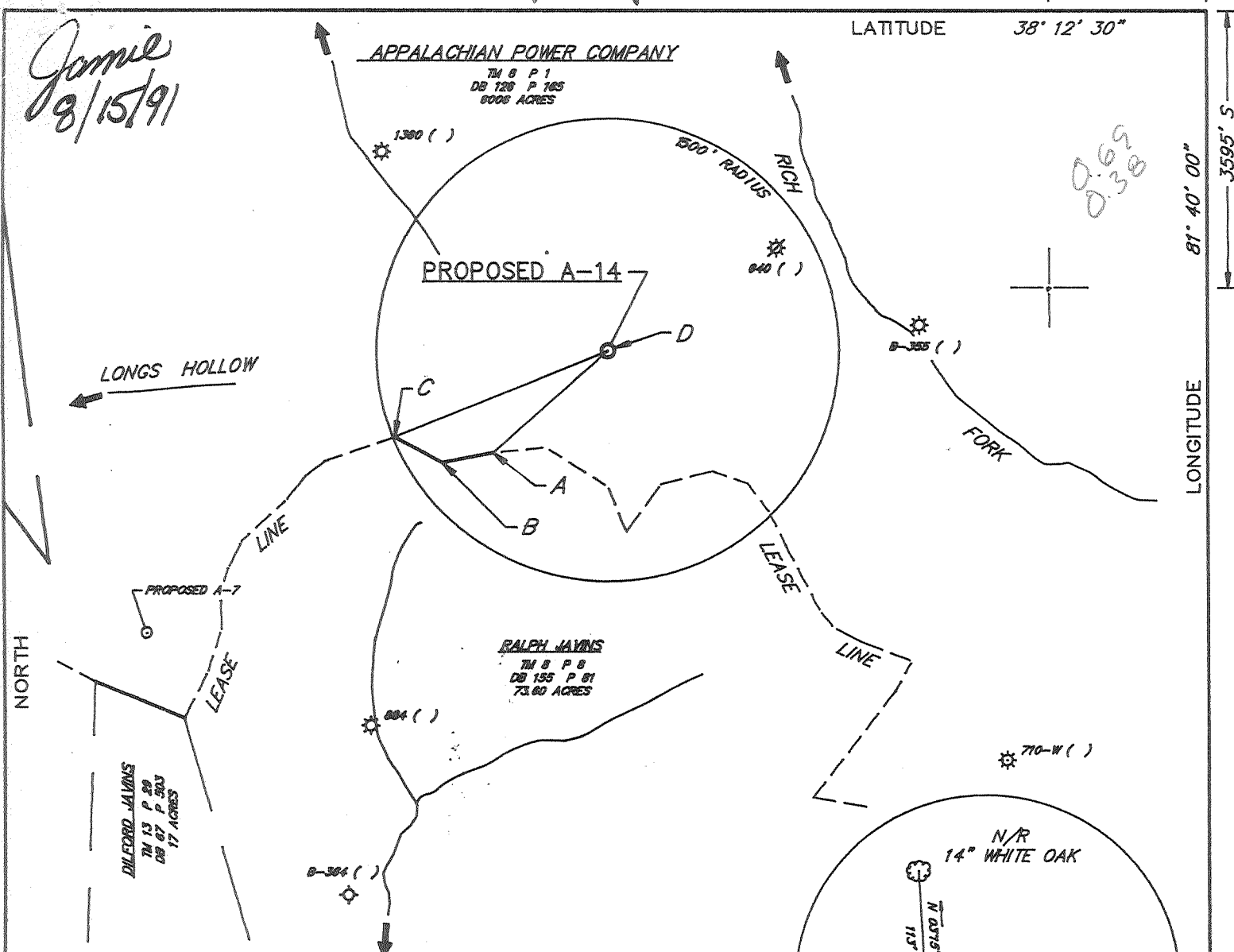


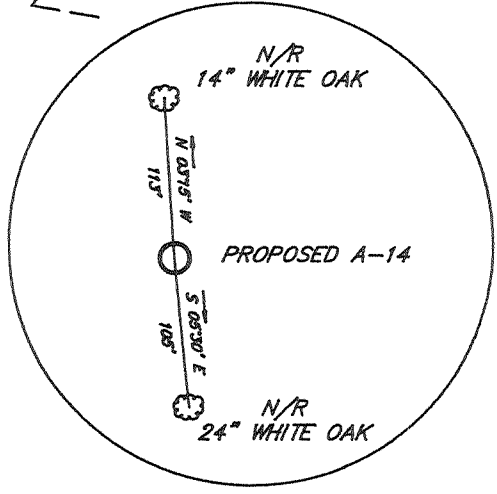
*Jamie*  
*8/15/91*



*0.62*  
*0.38*

- A = 12" CHESTNUT OAK CORNER BELOW KNOB
- B = CHESTNUT OAK STUMP CORNER BELOW KNOB
- C = 36" CHESTNUT OAK CORNER ON TOP OF KNOB
- D = PROPOSED WELL A-14

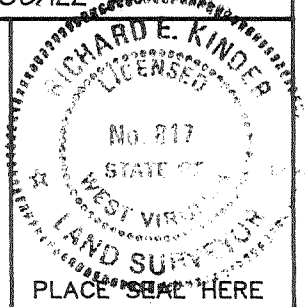
- A TO B = S 78°40' W - 334.28'
- B TO C = N 61°28' W - 350.90'
- C TO D = N 08°04' E - 1488.61'
- D TO A = S 48°34' W - 894.78'
- A-9 TO A-7 = S 85°03' E - 3294.72'
- A-7 TO A-14 = N 58°37' E - 3500.33'
- A-14 TO A-24 = S 44°13' E - 3701.75'
- A-24 TO A-10 = S 70°07' E - 3000.00'



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

FILE NO. 91019  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 : 2500  
 PROVEN SOURCE OF ELEVATION SPOT ELEV. 1507 ON RIDGE BETWEEN BULL CREEK AND LICK CREEK

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) Richard E. Kinder  
 R.P.E. \_\_\_\_\_ L.L.S. 817



**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENERGY**  
**OIL AND GAS DIVISION**



DATE MARCH 4, 1991  
 OPERATOR'S WELL NO. BULL CREEK A-14  
 API WELL NO.

47 - 005 - 1540 - F

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1226.22' WATERSHED RICH FORK OF BULL CREEK  
 DISTRICT PEYTONA COUNTY BOONE  
 QUADRANGLE RACINE

SURFACE OWNER APPALACHIAN POWER COMPANY ACREAGE 6006  
 OIL & GAS ROYALTY OWNER APPALACHIAN POWER COMPANY LEASE ACREAGE 4000  
 LEASE NO. 47-4016

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 BIG SIX ESTIMATED DEPTH 5870'  
 WELL OPERATOR CABOT OIL AND GAS CORPORATION DESIGNATED AGENT DAVID McCLUSKEY  
 ADDRESS ONE VALLEY SQUARE, SUITE 800, P.O. BOX 3753 ADDRESS ONE VALLEY SQUARE, SUITE 800, P.O. BOX 3753  
CHARLESTON, WEST VIRGINIA 25537-3753 CHARLESTON, WEST VIRGINIA 25537-3753

COUNTY NAME BOONE  
 PERMIT 1540

*NOV 28 1991*

*DE 402 VIA 1* *6-6 214 (plugged back)*

FORM WW-6

068005

*Jamie*  
*8/15/91*

2045' W

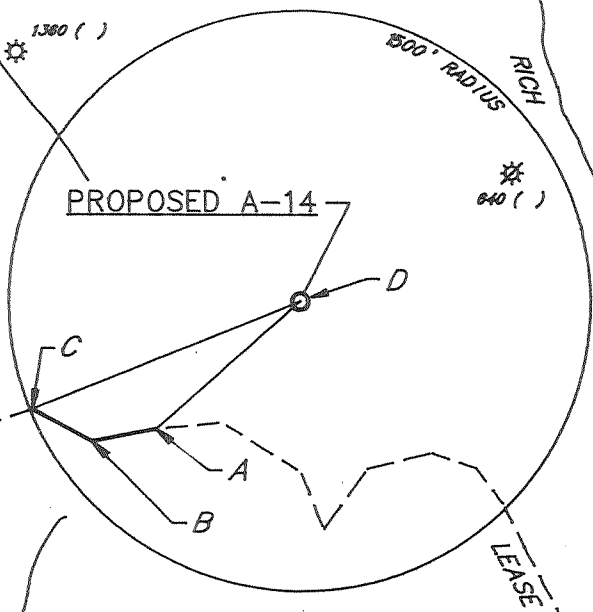
LATITUDE 38° 12' 30"

3595' S

LONGITUDE 81° 40' 00"

APPALACHIAN POWER COMPANY

TM 8 P 1  
DB 128 P 185  
6008 ACRES



*0.695*  
*0.40W*

PROPOSED A-14

LONGS HOLLOW

NORTH

PROPOSED A-7

DILFORD JAVINS  
TM 13 P 29  
DB 87 P 503  
17 ACRES

RALPH JAVINS  
TM 8 P 8  
DB 155 P 81  
73.80 ACRES

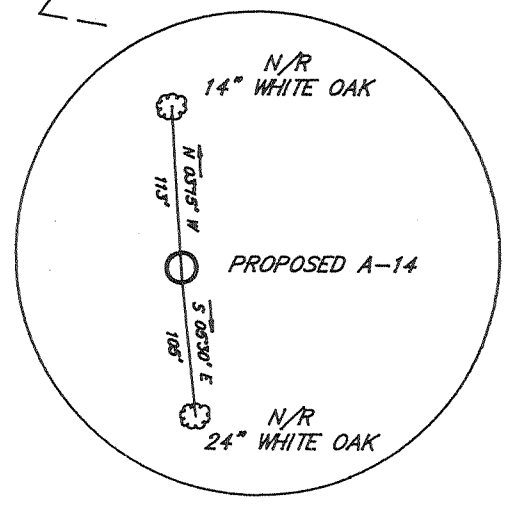
B-364 ( )

- A = 12" CHESTNUT OAK CORNER BELOW KNOB
- B = CHESTNUT OAK STUMP CORNER BELOW KNOB
- C = 36" CHESTNUT OAK CORNER ON TOP OF KNOB
- D = PROPOSED WELL A-14

- A TO B = S 78°40' W - 334.28'
- B TO C = N 61°28' W - 350.99'
- C TO D = N 68°04' E - 1489.81'
- D TO A = S 48°34' W - 894.79'

- A-9 TO A-7 = S 85°03' E - 3284.72'
- A-7 TO A-14 = N 58°37' E - 3508.33'
- A-14 TO A-24 = S 44°13' E - 3701.75'
- A-24 TO A-10 = S 70°07' E - 3000.00'

*3.575*  
*0.40 W*

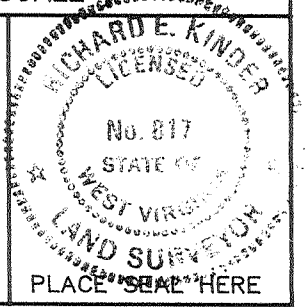


REFERENCE TIES  
(NO SCALE)

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

FILE NO. 91019  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1 : 2500  
PROVEN SOURCE OF ELEVATION SPOT ELEV. 1507 ON RIDGE BETWEEN BULL CREEK AND LICK CREEK

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) Richard E. Kinder  
R.P.E. \_\_\_\_\_ L.L.S. 817



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



DATE MARCH 4, 1991  
OPERATOR'S WELL NO. BULL CREEK A-14  
API WELL NO. 47-005-1540  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1226.22' WATERSHED RICH FORK OF BULL CREEK  
DISTRICT PEYTONA 2 COUNTY BOONE  
QUADRANGLE RAGINE Peytona NW

SURFACE OWNER APPALACHIAN POWER COMPANY ACREAGE 6006  
OIL & GAS ROYALTY OWNER APPALACHIAN POWER COMPANY LEASE ACREAGE 4000  
LEASE NO. 47-4016

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 BIG SIX ESTIMATED DEPTH 5870'  
WELL OPERATOR CABOT OIL AND GAS CORPORATION DESIGNATED AGENT DAVID McCLUSKEY  
ADDRESS ONE VALLEY SQUARE, SUITE 800, P.O. BOX 3753 ADDRESS ONE VALLEY SQUARE, SUITE 800, P.O. BOX 3753  
CHARLESTON, WEST VIRGINIA 25537-3753 CHARLESTON, WEST VIRGINIA 25537-3753

COUNTY NAME PERMIT

*AUG 26 1991*

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

AUG 16 1996

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

Farm name: APPALACHIAN POWER CO. Operator Well No.: BULL CREEK A-14

LOCATION: Elevation: 1,226.22 Quadrangle: RACINE

District: PEYTONA County: BOONE  
 Latitude: 3595 Feet South of 38 Deg. 12Min. 30 Sec.  
 Longitude 2045 Feet West of 81 Deg. 40 Min. Sec.

Company: CABOT OIL & GAS CORPORATION  
 P.O. BOX 1473  
 CHARLESTON, WV 25325-0000

Agent: DAVID G. McCLUSKEY

Inspector: RICHARD CAMPBELL  
 Permit Issued: 11/16/93  
 Well work Commenced: 03/24/94  
 Well work Completed: 04/21/94  
 Verbal Plugging  
 Permission granted on:  
 Rotary X Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 5769'  
 Fresh water depths (ft) 810'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? Y  
 Coal Depths (ft): 374'

Casing & Tubing Size	Used in Drilling	Left in Well	cement Mill Up Cu. Ft.
16"	44'	44'	
8 <sup>5</sup> / <sub>8</sub> "	1602'	1602'	737 sks CTS
*4 <sup>1</sup> / <sub>2</sub> "	1808'	1808'	140 sks Class A

\*Plug back TD 1779'

OPEN FLOW DATA

Producing formation Tonoloway (completed April 92) Pay zone depth (ft) 5254'-5268'  
 Gas: Initial open flow 21 MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 1380 MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 1890 psig (surface pressure) after 264 Hours

\*Latex plug placed above Tonoloway

Second producing formation Injun Pay zone depth (ft) 1650'-1673'  
 Gas: Initial open flow --- MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 382 MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests 4 Hours  
 Static rock Pressure 360 psig (surface pressure) after 168 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 A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: CABOT OIL & GAS CORPORATION

By: D. G. McCluskey  
 Date: 8/14/96

AUG 23 1996

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf Newburg 5394'-5404'. Break down stage 1 w/500 gal of 15% No Flow. BDP 5678 psi; Prep to treat Tonoloway. Set CIBP @ 5335' KB & dump (1) sk CalSeal. Perforate Tonoloway 5254'-5268'. Break down Tonoloway w/2000 gal 15% HCl. BDP 5810 psi; Surf ISIP 3770 psi. BH-BDP 7734 psi; BH-ISIP 5165 psi. - H<sub>2</sub>S 16,000 ppm.

\*C.I.B.P. set @ 5210' with 5 sks latex cement and 5 sks neat cement.

4½" csg cut @ 4270' and pulled. Cement plug placed @ 4147' - 4047', gel 4047' - 2125', cement 2125' - 2025', gel 2025' - 1808'. 4½" csg run to 1808', cemented with 140 sks. Class "A", plug back TD 1779'.

Perf Injun @ 1650' - 1673'. Broke down with 500 gals 15% HCl acid, displaced with 40,000 SCF N<sub>2</sub> # 15,000 SCFM. Break down pressure 2410 psi, ISIP 2200 psi. Frac with 75 Q foam with 48,000# 20/40 mesh sand, total N<sub>2</sub> - 276,600 SCF, ISIP 2450 psi.

FORMATION	TOP	BOTTOM
Surface Rock	0	1070
Sandstone	1070	1115
Shale	1115	1195
Sandstone	1195	1260
Shale/Siltstone	1260	1390
Big Lime	1390	1630
Injun	1630	1675
Siltstone	1675	2100
Berea	2100	2105
Shale	2105	4645
Onondoga	4645	4750
Oriskany	4740	4760
Limestone	4760	5395
Newburg	5395	5405
Limestone	5405	5585
Big Six	5585	5630
Shale	5630	T.D.

RECEIVED  
WV Division of  
Environmental Protection

14-Aug-92  
API # 47-005-1050

FEB 0 8 93

Permitting  
Office of Oil & Gas

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas  
Well Operator's Report of Well Work

005-1540

Farm name: APPALACHIAN POWER CO. Operator Well No.: BULL CREEK A-14

Location: Elevation: 1226.22 Quadrangle: RACINE

District: PEYTONA County: BOONE  
Latitude: 3595 FEET SOUTH OF 38 DEG. 12 MIN. 30 SEC.  
Longitude: 2045 FEET WEST OF 81 DEG. 40 MIN. 0 SEC.

Company: CABOT OIL & GAS CORPORATION  
P. O. Box 1473  
Charleston, WV 25325

Agent: DAVID G. MCCLUSKEY

Inspector: Richard Campbell  
Permit Issued: 8/20/91  
Well Work Commenced: 9/26/91  
Well Work Completed: 4/17/92 *TO reached 10/6/92 PD*  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5769 *5837?*  
Fresh water depths (ft) 810

Salt water depths (ft) None

Is coal being mined in area (Y/N)? Y  
Coal Depths (ft): 374

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	44	44	
8-5/8"	1602	1602	730 sks CTS
4-1/2"	5717	5717	322 sks
2-3/8"	5200	5200	
Arrow seal bore Pkr @ 5200'			

CIBP set @5335'.

OPEN FLOW DATA

Producing formation Tonoloway Pay zone depth (ft) 5254-5268  
Gas: Initial open flow 21 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 1,380 MCF/d Final open flow 15 Bbl/d  
Time of open flow between initial and final tests 4 Hours  
Static rock Pressure 1890 psig (surface pressure) after 264 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 A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Reviewed TMG  
Recorded \_\_\_\_\_

For: CABOT OIL & GAS CORPORATION

By: David McCluskey

Date: 8/24/92

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf Newburg 5394'-5404'. Break down stage 1 w/500 gal of 15% No Flow. BDP 5678 psi; Prep to treat Tonoloway. Set CIBP @ 5335' KB & dump (1) sk CalSeal.  
 Perforate Tonoloway 5254'-5268'. Break down Tonoloway w/2000 gal 15% HCl. BDP 5810 psi; Surf ISIP 3770 psi. BH-BDP 7734 psi; BH-ISIP 5165 psi. - H<sub>2</sub>S 16,000 ppm.

FORMATION	TOP	BOTTOM
Surface Rock	0	1070
Sandstone	1070	1115
Shale	1115	1195
Sandstone	1195	1260
Shale/Siltstone	1260	1390
Big Lime	1390	1630
Injun	1630	1675
Siltstone	1675	2100
Berea	2100	2105
Shale	2105	4645
Onondoga	4645	4750
Oriskany	4740	4760
Limestone	4760	5395
Newburg	5395	5405
Limestone	5405	5585
Big Six	5585	5630
Shale <i>Rose Hill</i>	5630	T.D.

TD 5769

DFT = 553  
 DF = 555

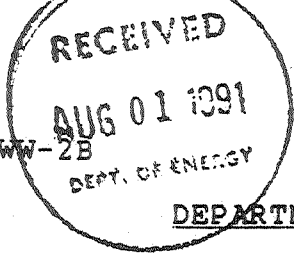
expl ftg → <sup>5769</sup><sub>5405</sub> (364 ft.)

**RECEIVED**

WV Division of  
 Environmental Protection

FEB 08 93

Permitting  
 Office of Oil & Gas



FORM WW-2B

005-1540  
Issued 8/20/91

Expires Page 8/20/93 of

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

- 1) Well Operator: CABOT OIL & GAS CORPORATION 8145 (2) 564
- 2) Operator's Well Number: Bull Creek A-14 3) Elevation: 1226.0
- 4) Well type: (a) Oil    / or Gas X /  
(b) If Gas: Production X / Underground Storage    /  
Deep X / Shallow    /
- 5) Proposed Target Formation(s): Big Six, Newburg
- 6) Proposed Total Depth: 5820 feet
- 7) \* Approximate fresh water strata depths: 491, 514, 536, 721, 776, 986
- 8) \* Approximate salt water depths: 803, 828, 1235, 1326, 1520
- 9) \* Approximate coal seam depths: 260, 361, 381, 557, 585
- 10) Does land contain coal seams tributary to active mine? Yes X / No    /
- 11) Proposed Well Work: Drill and complete a commingled gas well.  
\* Based on Boone: 640, 884, 1360 and Coal Co. Maps.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	16"	LS	65	40'	40'	10 sks Neat GFS
Fresh Water						385R/1811.3
Coal	9-5/8"	J-55	36	675'	675'	385R/1811.2
Intermediate	7"	J-55	20	1570'	1570'	210 sks CL-A
Production	4-1/2"	M-75	11.6	5820'	5820'	234 sks CL-A
Tubing	1-1/2"	CW55	2.75		5720'	385R/1811.1
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

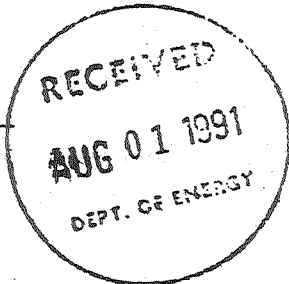
For Division of Oil and Gas Use Only

03354

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond \_\_\_\_\_ Agent

(Type)



1) Date: July 31, 1991  
2) Operator's well number  
BULL CREEK A-14  
3) API Well No: 47 - 005 - 1540  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Appalachian Power Co.</u> Address <u>Attn: L. D. Price, Land Mgr</u> <u>PO Box 2021, Roanoke, VA 24022-2121</u></p> <p>(b) Name _____ Address _____</p> <p>(c) Name _____ Address _____</p>	<p>5) (a) Coal Operator:</p> <p>Name <u>NOT OPERATED</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>Appalachian Power Co.</u> Address <u>Attn: L. D. Price, Land Mgr.</u> <u>PO Box 2021, Roanoke, VA 24022-2121</u></p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____ Address _____</p>
<p>6) Inspector <u>Robert S. Campbell</u> Address <u>Rt. 1 Box 21B</u> <u>Duck, WV 25063</u> Telephone <u>(304)-364-8065</u></p>	

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator CABOT OIL & GAS CORPORATION  
 By: David M. Clunk  
 Its: Drilling Superintendent  
 Address PO Box 1473  
Charleston, WV 25325  
 Telephone (304) 347-1600

Subscribed and sworn before me this 31st day of July, 1991

Norema L. Profit Notary Public

My commission expires May 31, 1999



005-1540 Frac.  
 Issued 11/16/93  
 Page \_\_\_ of \_\_\_  
 Expires 11/16/95

FORM WW-2 OCT 2 1 93

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
 Office of Oil & Gas WELL WORK PERMIT APPLICATION

18158

- 1) Well Operator: Cabot Oil & Gas Corporation 8145 ② 565
- 2) Operator's Well Number: Bull Creek A-14 3) Elevation: 1226.2
- 4) Well type: (a) Oil \_\_\_ / or Gas x /  
 (b) If Gas: Production x / Underground Storage \_\_\_ /  
 Deep \_\_\_ / Shallow x /
- 5) Proposed Target Formation(s): Big Injun 371
- 6) Proposed Total Depth: \_\_\_\_\_ feet
- 7) Approximate fresh water strata depths: 810'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 374'
- 10) Does land contain coal seams tributary to active mine? Yes x / No \_\_\_ /
- 11) Proposed Well Work: P&A Tonoloway and complete Big Injun
- 12) \*Existing

CASING AND TUBING PROGRAM

*Remnant*  
*Dug Bank's Frac Existing well.*

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	16"			44'	44'	
Fresh Water						<del>380 sks</del>
Coal						<del>315 sks</del>
Intermediate	8-5/8"			1602'	1602'	730 sks
Production	4-1/2"			5717'	5717'	322 sks
Tubing						<del>322 sks</del>
Liners						

*Existing*  
*↑*

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

11319/22

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket Agent

(Type)

1) Date: October 13, 1993  
2) Operator's well number  
Bull Creek A-14  
3) API Well No: 47 - 005 - 1540-FRAC  
State - County - Permit

Permitting  
Office of Oil & Gas

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
(a) Name Appalachian Power Co.  
Address attn: L.D. Price, Land Mgr.  
P.O. Box 2021, Roanoke, VA 24022-2021  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Richard Campbell  
Address P.O. Box 163  
Hamlin, WV 25523  
Telephone (304)- 824-5828

5) (a) Coal Operator:  
Name Not Operated  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Appalachian Power Co.  
Address attn: L.D. Price, Land Mgr.  
P.O. Box 2021, Roanoke, VA 24022-2021  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- x Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator Cabot Oil & Gas Corporation  
By: *Ronald C. Taylor*  
Its: Drilling Manager  
Address Three Gateway Center, Suite 2000  
Pittsburgh, PA 15222-1011  
Telephone (412) 594-7000

Subscribed and sworn before me this 19th day of OCTOBER, 1993

Cynthia M. Bowles Notary Public

My commission expires JUNE 17, 1996  
Notarial Seal  
Cynthia M. Bowles, Notary Public  
Charlers Twp., Washington County  
My Commission Expires June 17, 1996  
Member, Pennsylvania Association of Notaries



DEPARTMENT OF COMMERCE, LABOR & ENVIRONMENTAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION

10 McJunkin Road  
Nitro, WV 25143-2506

Gaston Caperton  
Governor

John M. Ranson  
Cabinet Secretary

November 17, 1993

David C. Callaghan  
Director

Ann A. Spaner  
Deputy Director

Cabot Oil & Gas Corporation  
Three Gateway Center, Suite 2000  
Pittsburgh, Pennsylvania 15222-1011  
Attn: Donald R. Laughlin

In Re: Partial Plug - Fracs.

Dear Mr. Laughlin:

We are enclosing Plugging applications to be completed so we can have an affidavit showing how the well was plugged back to produce well in a new formation.

Please complete these plugging application for Partial Pluggings for the following:

- 1) 005-0567-PP - Well # Bull Creek # A-21
- 2) 005-1540-PP - Well # Bull Creek # A-14
- 3) 039-4485-PP - Well # BSA #1

Please complete the plugging applications and return as soon as possible.

Sincerely,

A handwritten signature in cursive script that reads "James Stevens".

James Stevens

JS/chm

Encl: Plugging Applications

RECEIVED  
WV Division of  
Environmental Protection

AUG 16 1996

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

005-1540-A

Permitting  
Office of Oil & Gas  
AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, one copy mailed to the Division, 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: Appalachian Power Co. Operator Well No.: Bull Creek A-14

LOCATION: Elevation: 1226.22 Quadrangle: Racine  
District: Peytona County: Boone  
Latitude: 3595 Feet South of 38 Deg. 12 Min. 30 Sec.  
Longitude: 2045 Feet West of 41 Deg. 40 Min. Sec.

Well Type: OIL \_\_\_\_\_ GAS X

Company: Cabot Oil & Gas Corporation  
400 Fairway Drive Suite 400  
Coraopolis, PA 15108

Coal Operator Not operated  
or Owner \_\_\_\_\_

Agent: John W. Abshire

Coal Operator Appalachian Power Co.  
or Owner attn: LD Price, Land Manage:  
P.O. Box 2021  
Roanoke, VA 24022

Permit Issued: 11/16/93

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Boone ss:

Carlos Loudin, Jr. and Thomas E. Branham 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, and Richard Campbell Oil and Gas Inspector representing the Director, say that said work was commenced on the 24 day of March, 1994, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
C.I.B.P. w/5 sks latex & 5 sks neat cement	5210'	5050'	4 1/2" - 4270'	1447'
Gel	5050'	4147'		
Cement	4147'	4047'	*1808' or 4 1/2" run and cemented	
Gel	4047'	2125'	after partial plugging	
Cement	2125'	2025'		
Gel	2025'	1808'		

Description of monument: Partial Plugging and that the work of plugging and filling said well was completed on the 2 day of April, 1994.

And further deponents saith not.

Sworn and subscribe before me this 14th day of August, 1996

My commission expires June 17, 2000  
Notary Seal  
Cynthia M. Stegenga, Notary Public  
West Bethlehem Twp. Washington County  
My Commission Expires June 17, 2000

Carlos Loudin, Jr.  
Thomas E. Branham  
Cynthia M. Stegenga  
Notary Public

Member, Pennsylvania Association of Notaries  
Oil and Gas Inspector:

AUG 16 1996

# BULL CREEK A-14

8/10/94  
005 1540

