

LATITUDE 37° 57' 30"

550'

LONGITUDE 82° 20' 00"

*Janell
4/29/93
21496*

D. FLEMMING
368/42
29-20

STATE OF WEST VIRGINIA
CABWAYLINGO STATE FOREST
Tract 1-B
636.4 Ac.

PROPOSED
WILSON COAL
A-18

DANA & OPAL MAYNARD
365/381
TM 35, PAR. 1

1,500' RADIUS

7.5° LOC.

TURKEY CR.

THELVEFOLE CR.

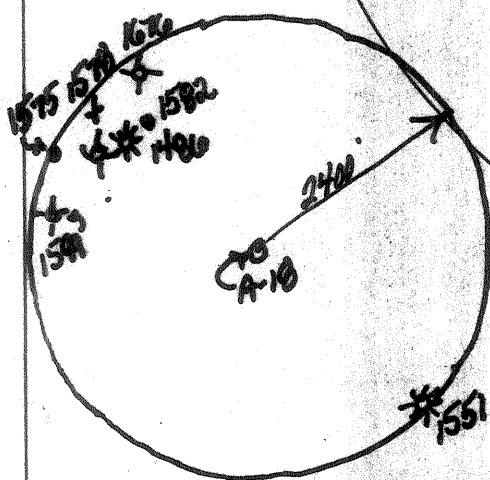
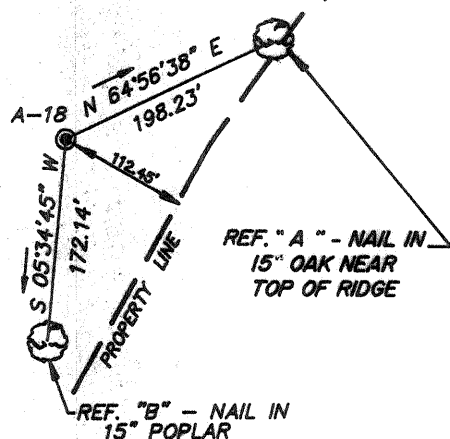
18° OAK ON
KNOB FOUND

AXLE HUB ON
KNOB FOUND

S 36°15'46" W
629.13'

S 35°39'09" W
602.46'

REFERENCES N.T.S.

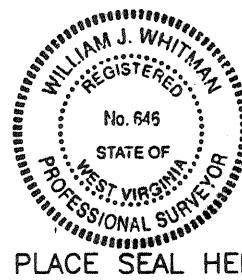


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 8723-240
 DRAWING No. WILSON COAL A-18
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION HIGH POINT ON RIDGE
TOPO ELEV. 1328

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 MINES

(SIGNED) William J. Whitman RPS
 R.P.E. _____ R.P.S. 646



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE DECEMBER 14 19 92
 OPERATOR'S WELL No. WILSON COAL A-18
 API WELL No. _____

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1253.55 WATER SHED TURKEY CREEK
 DISTRICT LINCOLN COUNTY WAYNE
 QUADRANGLE WILSONDALE, W. VA.

SURFACE OWNER STATE OF WEST VIRGINIA ACREAGE 636.4
 OIL & GAS ROYALTY OWNER CABOT OIL & GAS CORP. LEASE ACREAGE _____

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 Deep Six ESTIMATED DEPTH 5170'

WELL OPERATOR ADDRESS _____ DESIGNATED ADDRESS _____
 Cabot Oil & Gas Corporation
 400 Fairway Drive, Suite 400
 Corapolis, Pa. 15108
 David McCluskey
 One Valley Square, Ste. 800
 Charleston, WVa. 25301

FORM IV-6 (8-78)

MAY 1870-A

DEEP WELL 149

MAY 03 1996

LATITUDE 37° 57' 30"

550'

LONGITUDE 82° 20' 00"

Jamil
4/29/93

D. FLEMING
368/42
29-20

STATE OF WEST VIRGINIA
CABWAYLINGO STATE FOREST
Tract 1-B
636.4 Ac.

PROPOSED
WILSON COAL
A-18

DANA & OPAL MAYNARD
365/381
TM 35, PAR. 1

NORTH

7.5° LOC.

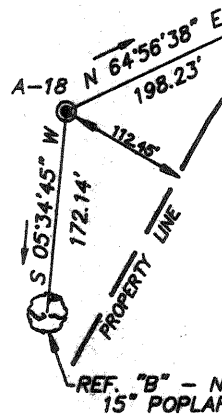
1500' RADIUS

18" OAK ON
KNOB FOUND

AXLE HUB ON
KNOB FOUND

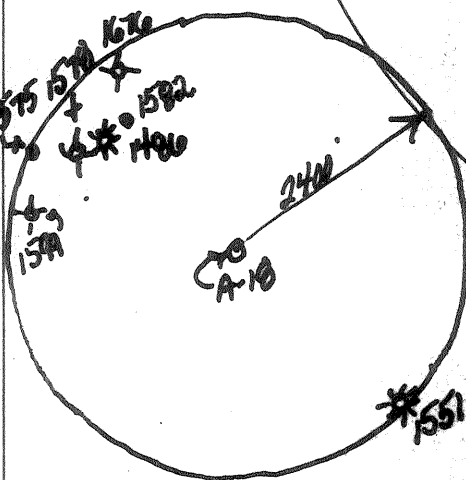
REFERENCES N.T.S.

PROPERTY LINE FOLLOWS RIDGE TOP



REF. "A" - NAIL IN
15" OAK NEAR
TOP OF RIDGE

REF. "B" - NAIL IN
15" POPLAR



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

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(SIGNED) *William J. Whitman* R.P.S.

R.P.E. _____ R.P.S. 646



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE DECEMBER 14 19 92
 OPERATOR'S WELL No. WILSON COAL A-18
 API WELL No. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1253.55 WATER SHED TURKEY CREEK
 DISTRICT LINCOLN COUNTY WAYNE
 QUADRANGLE WILSONDALE, W. VA.

47 099 - 1870-A
 STATE COUNTY PERMIT
Partial Plugged

SURFACE OWNER STATE OF WEST VIRGINIA ACREAGE 636.4
 OIL & GAS ROYALTY OWNER CABOT OIL & GAS CORP. LEASE ACREAGE _____
 LEASE No. 47-1460

PROPOSED WORK: DRILL X 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 Sa ESTIMATED DEPTH 5170'

WELL OPERATOR ADDRESS _____ DESIGNATED ADDRESS _____
 Cabot Oil & Gas Corporation
 400 Fairway Drive, Suite 400
 Corapolis, Pa. 15108
 David McCluskey
 One Valley Square, Ste. 800
 Charleston, WVa. 25301

MAY 1870

LATITUDE 37° 57' 30"

LONGITUDE 82° 20' 00"

D. FLEMING
368/42
29-20

Jamil
4/29/93

NORTH

STATE OF WEST VIRGINIA
CABWAYLINGO STATE FOREST

Tract 1-B
636.4 Ac.

PROPOSED
WILSON COAL
A-18

DANA & OPAL WAYNARD
365/381
TM 35, PAR. 1

TURKEY CR.

THE KEROLE CR.

1,500' RADIUS

7.5" LOC.

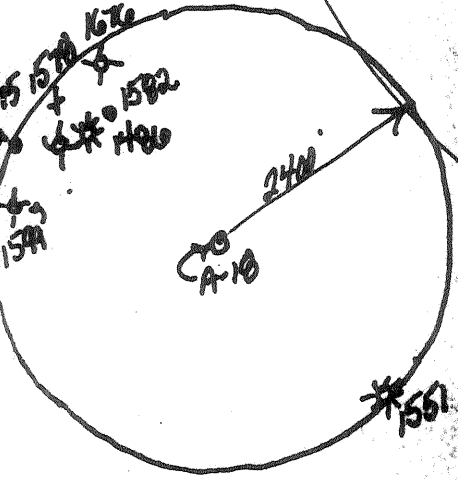
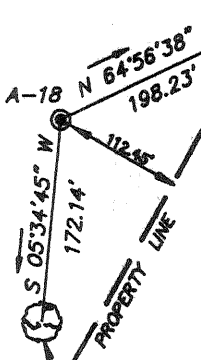
1.83
0.10

18" OAK ON
KNOB FOUND

AXLE HUB ON
KNOB FOUND

REFERENCES N.T.S.

PROPERTY LINE FOLLOWS RIDGE TOP



4.71
0.10

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

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(SIGNED) *William J. Whitman* R.P.S.
 R.P.E. _____ R.P.S. 646



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE DECEMBER 14 19 92
 OPERATOR'S WELL No. WILSON COAL A-18
 API WELL No. _____

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

LOCATION: ELEVATION 1253.55 WATER SHED TURKEY CREEK
 DISTRICT LINCOLN 4 COUNTY WAYNE
 QUADRANGLE WILSONDALE, W. VA. Nangerbach NC

SURFACE OWNER STATE OF WEST VIRGINIA ACREAGE 636.4
 OIL & GAS ROYALTY OWNER CABOT OIL & GAS CORP. LEASE ACREAGE _____
 LEASE No. 47-1460

PROPOSED WORK: DRILL X 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 Sea ESTIMATED DEPTH 5170'

WELL OPERATOR CABOT OIL & GAS CORP. DESIGNATED AGENT STEVE TURK
 ADDRESS P.O. BOX 1473 ADDRESS P.O. BOX 1473
CHARLESTON, W. VA. 25309 CHARLESTON, W. VA.

MAY 07 1993

DEEP WELL

DPT - Turke Valley Nangerbach

JAN 23 1995

Permitting
Office of Oil & Gas

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

Farm name: CABWAYLINGO STATE FOREST Operator Well No.: WILSON COAL A18

Location: Elevation: 1253.55 Quadrangle: WILSONDALE

District: LINCOLN County: WAYNE
Latitude: 4400 Feet South of 37 Deg. 57 Min. 30 Sec.
Longitude: 550 Feet West of 82 Deg. 20 Min. 00 Sec.

Company: CABOT OIL & GAS CORPORATION
400 FAIRWAY DRIVE, SUITE 400
CORAOPOLIS, PA 15108

Agent: DAVID G. MCCLUSKEY

Inspector: OFIE HELMICK
Permit Issued: 05/06/93
Well Work Commenced: 07/13/93
Well Work Completed: 07/27/93
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 5062'
Fresh water depths (ft) 201'

Salt water depths (ft) 1165'

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
20"	38'	38'	n/a
13-3/8"	552'	552'	450 sks Class A
9-5/8"	2152'	2152'	700 sks Class A
7"	3778'	1732'	38 sks Class A

OPEN FLOW DATA

Producing formation LOWER HURON SHALE Pay zone depth (ft) 3268-3376
Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 103 commingled MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 265 comming. psig (surface pressure) after 14 Hours

Second Producing formation BEREA Pay zone depth (ft) 2416-2460
Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 103 commingled MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 265 comming. psig (surface pressure) after 14 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: Donald R. Gaylor

Date: 1/17/95

Third formation INJUN Pay zone depth (ft) 1862-1874
 Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 703 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 305 psig (surface pressure) after 14 Hours

1710-1719

Fourth formation BIG LIME Pay zone depth (ft) 1793-1825
 Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 703 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 305 psig (surface pressure) after 14 Hours

Fifth formation LOWER MAXTON Pay zone depth (ft) 1580-1613
 Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow TSTM MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 0 psig (surface pressure) after 14 Hours

FORMATION SQUEEZED OFF WITH CEMENT DUE TO LACK OF GAS AFTER FRAC TREATMENT.

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

Perf Lower Huron from 3,268'-3,272'; from 3,306'-3,312'; from 3,322' -3,350', from 3,372'-3,376'. Brk dwn Lower Huron w/750 gals of 15% hcl, displ w/120,000 SCF N₂; BDP - 975 psi; Surface ISIP 700 psi. Foam frac w/89,000# 20/40 mesh sand in 90Q foam. ISIP -770. Brk dwn Berea w/750 gals of 15% hcl, displ w/165,000 SCF N₂. BDP - 2,140 psi; Surface ISIP 1,500 psi. Foam frac w/42,000# 20/40 mesh sand in 75Q foam. ISIP - 1,880. Perf Injun from 1,862' to 1,874'. Brk dwn stg 1 w/750 gals of 15% hcl, displ w/16,000 SCF BBLs H₂O; BDP - 2,100 psi; Surface ISIP 1,200 psi. Foam frac w/45,600# 20/40 mesh sand in 75Q foam. ISIP - 1,640. Perf Big Lime from 1,710'-1,719'; from 1,793'-1,800'; from 1,803'-1,808'; from 1,818'-1,825'. Perf Lower Maxton from 1,580' -1,588'; from 1,596'-1,604'; from 1,610'-1,613'. Brk dwn Big Lime w/500 gals of 15% hcl, displ w/12 BBL H₂O; BDP - 2,935 psi. ISIP - 1,630. Brk dwn Lower Maxton w/500 gal of 15% HCL & displ w/13 bbls H₂O. BDP - 3,490; Surface ISIP after break 1,350. Foam frac w/85,500# 20/40 mesh sand in 75Q foam; ISIP - 1,600.

FORMATION	TOP	BOTTOM
SAND & SHALE	0	1575
LOWER MAXTON	1575	1610
LITTLE LIME	1610	1660
BIG LIME	1660	1850
BIG INJUN	1850	1880
SHALE	1880	2390
SUNBURY	2390	2415
BEREA	2415	2470
SHALE	2470	3750
CORNIFEROUS	3750	4400
BIG SIX	4400	4440
KEEFER	4440	4460
SHALE	4460	4845
TUSCARORA	4845	4885
SHALE	4885	5062
TD		5062

5062
3750
1710-1719

RECEIVED
Environmental Protection
APR 14 93

- 1) Date: _____
- 2) Operator's well number
 Wilson Coal & Land A-18
- 3) API Well No: 47 - 099 - 1870
 State - County - Permit

Permitting
Office of

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 Cabwaylingo State Forest
Address Route 1
 dunlow, WV 25111
 - (b) Name Opal & Dana Maynard
Address General Delivery
 Wilsondale, WV 25699
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name Not Operated
Address _____
 - (b) Coal Owner(s) with Declaration
Name Public Land Corp.
Address Bldg 3, Room 713
 1800 Washington St. E., Charleston, WV 25305
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Ofie Helmick
Address P.O. Box 218
 Fanrock, WV 24834
Telephone (304)- 732-9135

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: Steve Tolson
 Its: Drilling Manager
 Address Three Gateway Center, Suite 2000
 Pittsburgh, PA 15222-1011
 Telephone (412) 594-7000

Subscribed and sworn before me this 2nd day of April, 1993

My commission expires _____

Notary Public

APR 14 93

099-1870
Issued 05/06/93
Page of
Expires 05/06/95

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

- 1) Well Operator: Cabot Oil & Gas Corporation 8145 (4) 686
- 2) Operator's Well Number: Wilson Coal A-18 3) Elevation: 1253.55
- 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
- 6) Proposed Total Depth: 5170 feet
- 7) Approximate fresh water strata depths: 273, 400, 516, 672, 894
- 8) Approximate salt water depths: 1236'
- 9) Approximate coal seam depths: 497'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill & complete gas well
- 12) Based on 1486, 1464, 1548, 1551

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"	L.S.	65#	30'	30'	10 sks GFS 38CSR/18-11.1e
Fresh Water	9-5/8"	L.S.	36#	950'	950'	320 sks CTS
Coal	7"	L.S.	20#	2160'	2160'	330 sks CTS
Intermediate						38CSR/18-11.22
Production	4-1/2"	J-55	10.5#	4730'	4730'	205 sks
Tubing						38CSR/18-11.1
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

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

Blanket Agent

17086

10523
7

DEC 02 1994

099-1870-PP

AFFIDAVIT OF PLUGGING AND FILLING WELL

Permitting
This Affidavit SHOULD BE IN TRIPLICATE, 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: CABWAYLINGO STATE FOREST Operator Well No.: WILSON COAL A-18

LOCATION: Elevation: 1253.55 Quadrangle: WILSONDALE
District: LINCOLN County: WAYNE
Latitude: 4400 Feet South of 37 Deg. 57 Min. 30 Sec.
Longitude 550 Feet West of 82 Deg. 20 Min. 00 Sec.

Well Type: OIL _____ GAS X

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

Coal Operator Public Land Corp.
or Owner Bldg. 3, Room 713
1800 Washington St. E.
Charleston, WV 25305

Agent: Dave McCluskey

Coal Operator _____
or Owner _____

Permit Issued:

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

Billy Wright and Kevin Clowser 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 Ofie Helmick Oil and Gas Inspector representing the Director, say that said work was commenced on the 13th day of October, 1993, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gel	5043	4550		
Cast Iron Bridge Plug	4550			
Latex Cement	4550	4500		
Gel	4500	4471		
Latex cement	4471	4341		
Gel	4341	3838		
Class "A" Cement	3838	3738		

11/5/95

Description of monument: PARTIAL PLUGGING
and that the work of plugging and filling said well was completed on the _____ day of _____, 19____.

And further deponents saith not.

Sworn and subscribe before me this 30th day of NOVEMBER, 1994
My commission expires: JUNE 17, 1996

Cynthia M. Bowles, Notary Public
Charters Twp., Washington County
My Commission Expires June 17, 1996

Billy K Wright
Kevin Clowser
Cynthia M. Bowles
Notary Public

Member, Pennsylvania Association of Notaries
Oil and Gas Inspector: _____