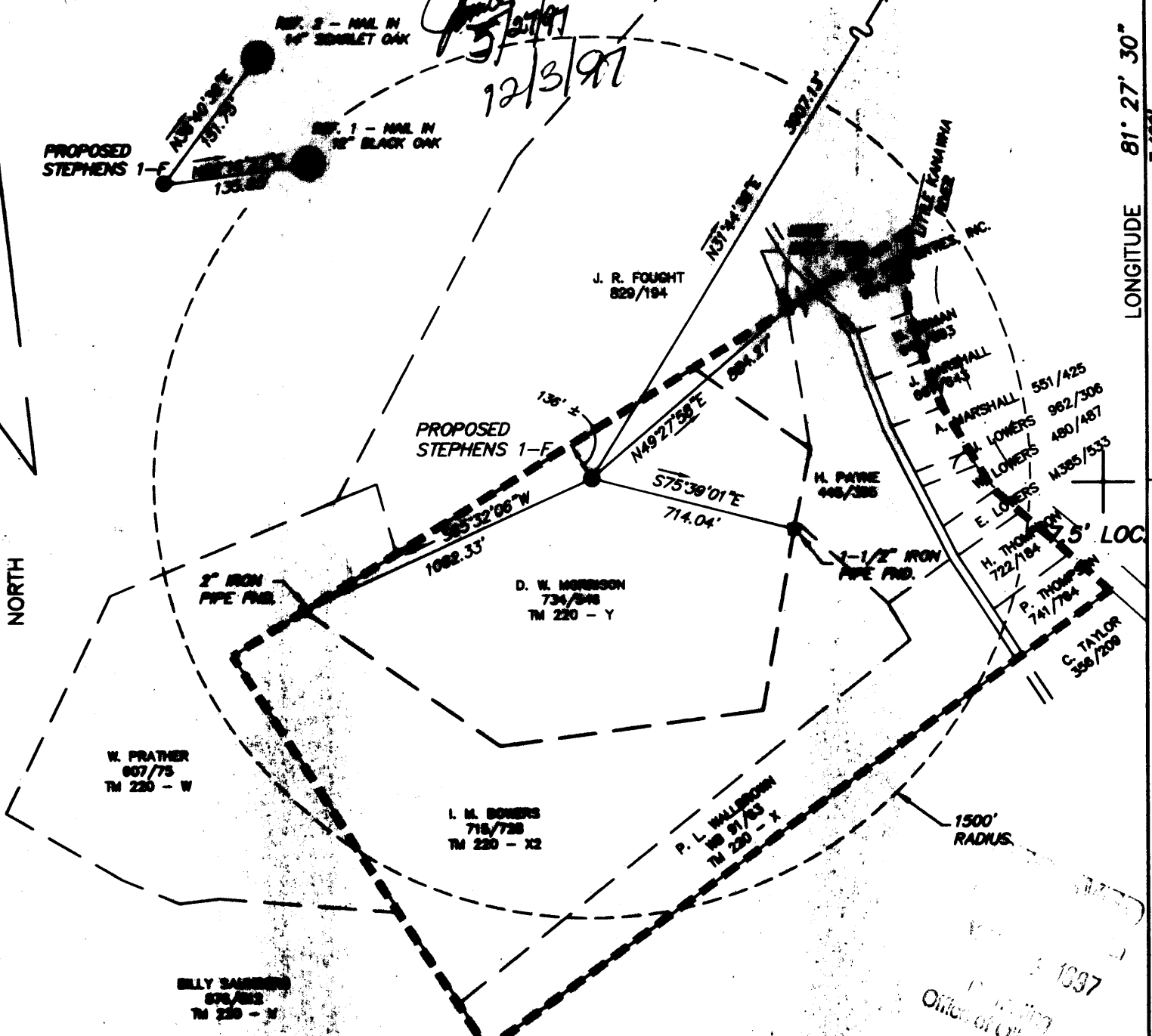


REFERENCES N.T.S.

LATITUDE 39° 10' 00" 47-107-602

April 5/2/97
12/3/97



NOTE: NO POSSIBLE WATER SOURCES LOCATED WITHIN 1000' OF PROPOSED LOCATION.

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

FILE No 8723-582
DRAWING No. STEPHENS 1-F
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION EXISTING WELL #302
ELEVATION 643'

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



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

DATE APRIL 16 19 97
OPERATOR'S WELL No. STEPHENS #1-F
API WELL No. 47 107-01588P

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

LOCATION: ELEVATION 783.59 WATER SHED LITTLE KANAWHA RIVER
DISTRICT SLATE COUNTY WOOD
QUADRANGLE KANAWHA, W. VA.

SURFACE OWNER DONALD MORRISON ACREAGE 30
OIL & GAS ROYALTY OWNER CABOT OIL & GAS CORP. LEASE ACREAGE 95 3/8
LEASE No. 47-8627

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION 5300' ESTIMATED DEPTH Criskey DEC 05 1997

WELL OPERATOR CABOT OIL & GAS CORP. DESIGNATED AGENT JOHN ABSHIRE
ADDRESS P.O. BOX 1473 ADDRESS P.O. BOX 1473
CHARLESTON, W. VA. CHARLESTON, W. VA.

FORM IV-6 (8-78)

WOOD 1588

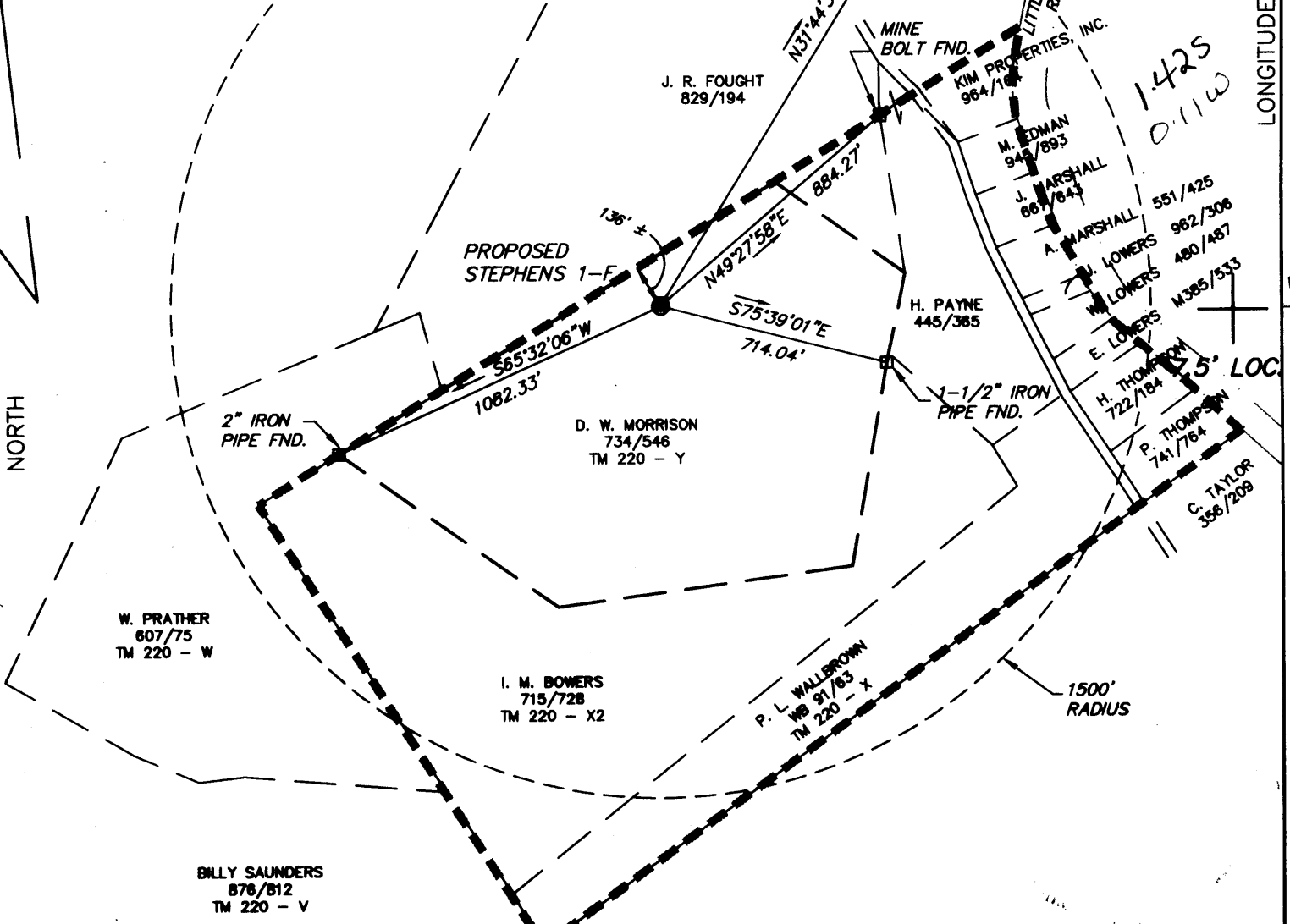
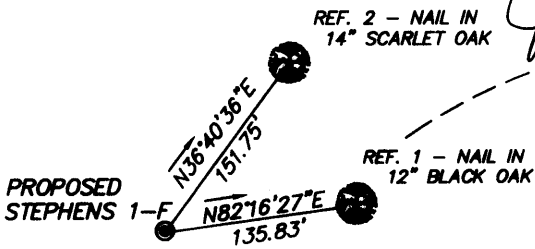
REFERENCES N.T.S.

LATITUDE 39° 10' 00" 47-107-602

Amel
5/27/97

NORTH

LONGITUDE 81° 27' 30" 7,400'



NOTE: NO POSSIBLE WATER SOURCES LOCATED WITHIN 1000' OF PROPOSED LOCATION.

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

FILE No 8723-562
DRAWING No. STEPHENS 1-F
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION EXISTING WELL #602
ELEVATION 643'

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) Willie J. Holt RPS
R.P.E. _____ R.P.S. 646

WILLIAM J. WHITMAN
REGISTERED
No. 646
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR
PLACE SEAL HERE

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

DATE APRIL 16 19 97
OPERATOR'S WELL No. STEPHENS #1-F
API WELL No. _____

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

LOCATION: ELEVATION 783.59 WATER SHED LITTLE KANAWHA RIVER
DISTRICT SLATE COUNTY WOOD
QUADRANGLE KANAWHA, W. VA.

SURFACE OWNER DONALD MORRISON ACREAGE 30
OIL & GAS ROYALTY OWNER CABOT OIL & GAS CORP. LEASE ACREAGE 95 3/8
LEASE No. 47-8627

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 5300' ESTIMATED DEPTH Criskey JUN 19 1997
WELL OPERATOR CABOT OIL & GAS CORP. DESIGNATED AGENT JOHN ABSHIRE
ADDRESS P.O. BOX 1473 ADDRESS P.O. BOX 1473
CHARLESTON, W. VA. CHARLESTON, W. VA.

FORM IV-6 (8-78)

107-1588

**STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION**

- 1) Well Operator: Cabot Oil & Gas Corporation 8145 413 (5)
- 2) Operator's Well Number: ¹⁴⁹ Mary Stephens #1F 3) Elevation: 783.59
- 4) Well Type: a) Oil / or Gas X / *Issued 06/16/97*
Expires 06/16/99
 b) If Gas: Production X / Underground Storage /
 Deep X / Shallow /
- 5) Proposed Target Formation(s): Oriskany 475
- 6) Proposed Total Depth: 5300 feet
- 7) Approximate fresh water strata depths: 241', 811'
- 8) Approximate salt water depths: 1780'
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill and complete a gas well.
- 12) Based on Wood 602 and coal company maps

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		Left in Well	CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For Drilling		
Conductor	16"	L.S.	65#	30'	30'	10 sks (GFS)
Fresh Water	9-5/8"	L.S.	32#	900'	900'	310 sks (CTS)
Coal						
Intermediate	7"	J-55	20#	1900'	1900'	290 sks (CTS)
Production	4-1/2"	N-80	11.6#	5250'	5250'	50 sks
Tubing						
Liners						

*30' @ 10 1/2" 3
30' @ 10 1/2" 2-2
30' @ 10 1/2" 1*

PACKERS: Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

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

23692

*140000 2995
15*

1) Date: May 20, 1997
2) Operator's well number
M. STEPHENS #1F
3) API Well No: 47 - 107 - 1588
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Donald & Audrey Morrison Name Not Operated
Address Box 52 Address _____
Mineral Wells, WV 26150
- (b) Name Howard Payens (b) Coal Owner(s) with Declaration
Address P.O. Box 286 Name Donald & Audrey Morrison
Eskdale, WV 25075 Address Box 52
Mineral Wells, WV 26150
- (c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector Glen Robinson (c) Coal Lessee with Declaration
Address P.O. Box 1 Name _____
Belleville, WV 26133 Address _____
Telephone (304)- 543-0735

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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 22-6 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: John W. Albino
Its: Geologist
Address 400 Fairway Drive Suite 400
Coraopolis, PA 15108
Telephone (412) 299-7000

Subscribed and sworn before me this 20th day of May, 1997

Susan K. Hayden Notary Public
My commission expires April 30, 2001

Notarial Seal
Susan K. Hayden, Notary Public
Moon Twp., Allegheny County
My Commission Expires April 30, 2001
Member, Pennsylvania Association of Notaries



STATE OF WEST VIRGINIA
OIL AND GAS CONSERVATION COMMISSION
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

June 9, 1997

Division of Environmental Protection
Office of Oil and Gas
Nitro, West Virginia

Re: Application for Permit #47-107-01588 drill deep well.

COMPANY: Cabot Oil and Gas Corporation

FARM: Donald Morrison/Stephens #1-F


COUNTY: Wood DISTRICT: Slate QUAD: Kanawha

The application of the above company is Approved for Oriskany.
(Approved or Disapproved)

Applicant has complied with the provisions of Chapter twenty-two, eight (22-8), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1.) Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owner; **yes**
- 2.) Provided a tabulation of all deep wells within one mile of the proposed location, including the Api number of the deep well, well name, and the name and address of operator and; ***yes**
- 3.) Provided a plat showing that the proposed location is a distance of **400+** feet from the nearest unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,


Brett Loflin
Engineer

*3,007 feet to 47-107-00602

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

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

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: MORRISON, DONALD & AUDREY Operator Well No.:M, STEPHENS 1F

LOCATION: Elevation: 783.59 Quadrangle: KANAWHA
District: SLATE County: WOOD
Latitude: 7400 Feet South of 39 Deg. 10 Min. 0 Sec.
Longitude 600 Feet West of 81 Deg. 27 Min. 30 Sec.

Well Type: OIL _____ GAS _____

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

Coal Operator _____ Not Operated
or Owner _____

Agent: John Abshire

Coal Operator Donald & Audrey Morrison
or Owner Box 52
Mineral Wells, WV 26150

Permit Issued: 12/05/97

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____

ss:

Gerald D. Lance and Stephen F. Barrett 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 Glen Robinson Oil and Gas Inspector representing the Director, say that said work was commenced on the 12th day of July, 1997, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
gel	5350'	5205'		31' of 16"
cement	5205'	5055'		929' of 9-5/8"
gel	5055'	3625'		1976' of 7"
cement	3625'	3525'		
gel	3525'	2297'		
cement	2297'	2197'		
gel	2197'	2110'		
cement	2110'	2010'		
gel	2010'	110'		
cement	110'	0'		

Description of monument:

and that the work of plugging and filling said well was completed on the 13th day of July, 1997.

And further deponents saith not.

X Gerald D. Lance
X Stephen F. Barrett

Sworn and subscribe before me this 7th day of January, 1998

My commission expires: April 30, 2001

Notarial Seal
Susan K. Hayden, Notary Public
Moon Twp., Allegheny County
My Commission Expires April 30, 2001

Susan K. Hayden
Notary Public

Member, Pennsylvania Association of Oil and Gas Inspectors:

JAN 13 1998