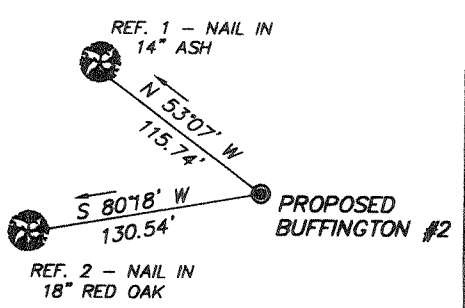


REFERENCES N.T.S.



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

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

FILE No 8723-561
 DRAWING No. BUFFINGTON #2
 SCALE 1" = 1000
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION SPOT ELEV. AT ROAD INTERSECTION EL. = 620

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
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE MARCH 31, 19 97
 OPERATOR'S WELL No. BUFFINGTON #2
 API WELL No. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 914.92 WATER SHED POND CREEK
 DISTRICT STEELE COUNTY WOOD
 QUADRANGLE POND CREEK, W. VA.

SURFACE OWNER DONNA BUFFINGTON REIL, ET AL ACREAGE 162
 OIL & GAS ROYALTY OWNER FREDERICK R. BUFFINGTON LEASE ACREAGE 270
 LEASE No. 47-5996

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 _____ ESTIMATED DEPTH _____

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.

MAY 30 1997

DEEP WELL

1-6 256

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

Farm name: Reil, Donna Buffington Operator Well No.: Buffington #2

LOCATION: Elevation: 969.48 Quadrangle: Pond Creek
District: Steele County: Wood
Latitude: 7,200 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude: 11,000 Feet West of 81 Deg. 37 Min. 30 Sec.

Company: Cabot Oil & Gas Corporation
400 Fairway Drive: Suite 400
Coraopolis, PA 15108-4308

Agent: John Abshire
Inspector: Glen Robinson
Permit Issued: 5/27/97
Well Work Commenced: 7/15/97
Well Work Completed: 8/11/97
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 4902'
Fresh Water Depths (ft) 1250'
Salt Water Depths (ft) --

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
9-5/8"	752'	752'	300 sks Class "A"
7"	2022'	2022'	385 sks Class "A"
2-7/8"	4859'	4859'	60 sks RFC

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

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 4756' - 4772'
Gas: Initial open flow -- MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 119 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock pressure 1190 psig (surface pressure after 64 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.

For: CABOT OIL & GAS CORPORATION

By: Ray Rudnicki
Date: 12-1-97

DEC 2 1997

OPEN FLOW DATA

Perf'd Oriskany @ 4756'-4772'. Break down Oriskany with 250 gals acid. Breakdown pressure 2950 psi. ISIP 2490 psi. Frac with WF-20, 30,200# 20/40 mesh sand and 598 bbls fluid. ATP 4125 psi. MTP 4995 psi. AIR 16 bpm. ISIP 2775 psi.

FORMATION	TOP	BOTTOM	REMARKS
Shale/Silt	0	482	
Sand	482	521	
Silt/Shale	521	712	
Sand/Shale	712	771	
Shale/Silt	771	861	
Sand/Shale	861	931	
Silt/Shale	931	1265	
Sand/Shale	1265	1774	
Lime/Sand	1774	1905	
Shale/Sand	1905	2324	
Sunbury Shale	2324	2355	
Berea Marker	2355	2357	
Shale	2357	3824	
Huron Shale	3824	4046	
Shale	4046	4408	
Marcellus Shale	4408	4654	
Onondaga	4654	4754	
Oriskany	4754	4778	
Helderberg Grp.	4778	4902 - TD	

1071584

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

- 1) Well Operator: Cabot Oil & Gas Corporation 3145 (6) 553
- 2) Operator's Well Number: F. Buffington #2 3) Elevation: 914.92
- 4) Well Type: a) Oil / or Gas X /
 b) If Gas: Production X / Underground Storage /
 Deep X / Shallow /
- 5) Proposed Target Formation(s): Oriskany 425
- 6) Proposed Total Depth: 4900 feet
- 7) Approximate fresh water strata depths: 450', 665'
- 8) Approximate salt water depths: 1064', 1250', 1490', 1715', 1868'
- 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 Jackson 978, 992 and 994

Issued 05/27/97
 Expires 05/27/99
RECEIVED
 WV Division of Environmental Protection
 MAY 03 1997
 Permitting Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For Drilling		Left in Well
Conductor	16"	L.S.	65#	30'	30'	10 sks (GFS)
Fresh Water	9-5/8"	L.S.	32#	700'	700'	250 sks (CTS)
Coal						
Intermediate	7"	J-55	20#	1950'	1950'	290 sks (CTS)
Production	4-1/2"	N-80	11.6#	4850'	4850'	50 sks
Tubing						
Liners						

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)

23579

140002957
 13

17

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

May 14, 1997

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

Re: Application for Permit #47-107-01584 drill deep well.

COMPANY: Cabot Oil and Gas Corporation

FARM: Donna Buffington Reil, et al /Buffington #2

COUNTY: Wood DISTRICT: Steele QUAD: Pond Creek

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

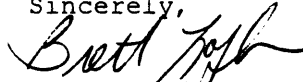
Applicant has complied with the provisions of Chapter twenty-two, eight (22-8), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

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 **445** 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

* 3,106 feet to 47-107-01186

Permitting
Office of Oil & Gas
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 Donna Buffington Reil Name Not Operated
 Address Route 1, Box 291 Address _____
Belleville, WV 26133
- (b) Name _____ (b) Coal Owner(s) with Declaration
 Address _____ Name Donna Buffington Reil
 Address Route 1, Box 291
Belleville, WV 26133
- (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
 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)
 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: [Signature]
 Its: Geologist
 Address 400 Fairway Drive Suite 400
Coraopolis, PA 15108
 Telephone (412)299-7000

Subscribed and sworn before me this 7th day of MAY, 1997

[Signature] Notary Public
 My commission expires MAY 2, 2000

Notarial Seal
 Susan Gubba, Notary Public
 Robinson Twp., Allegheny County
 My Commission Expires May 2, 2000