

Well References:

N89W, 182' to 8" Bitternut Hickory
S55E, 144.50' to 12" Beech

Coordinates:

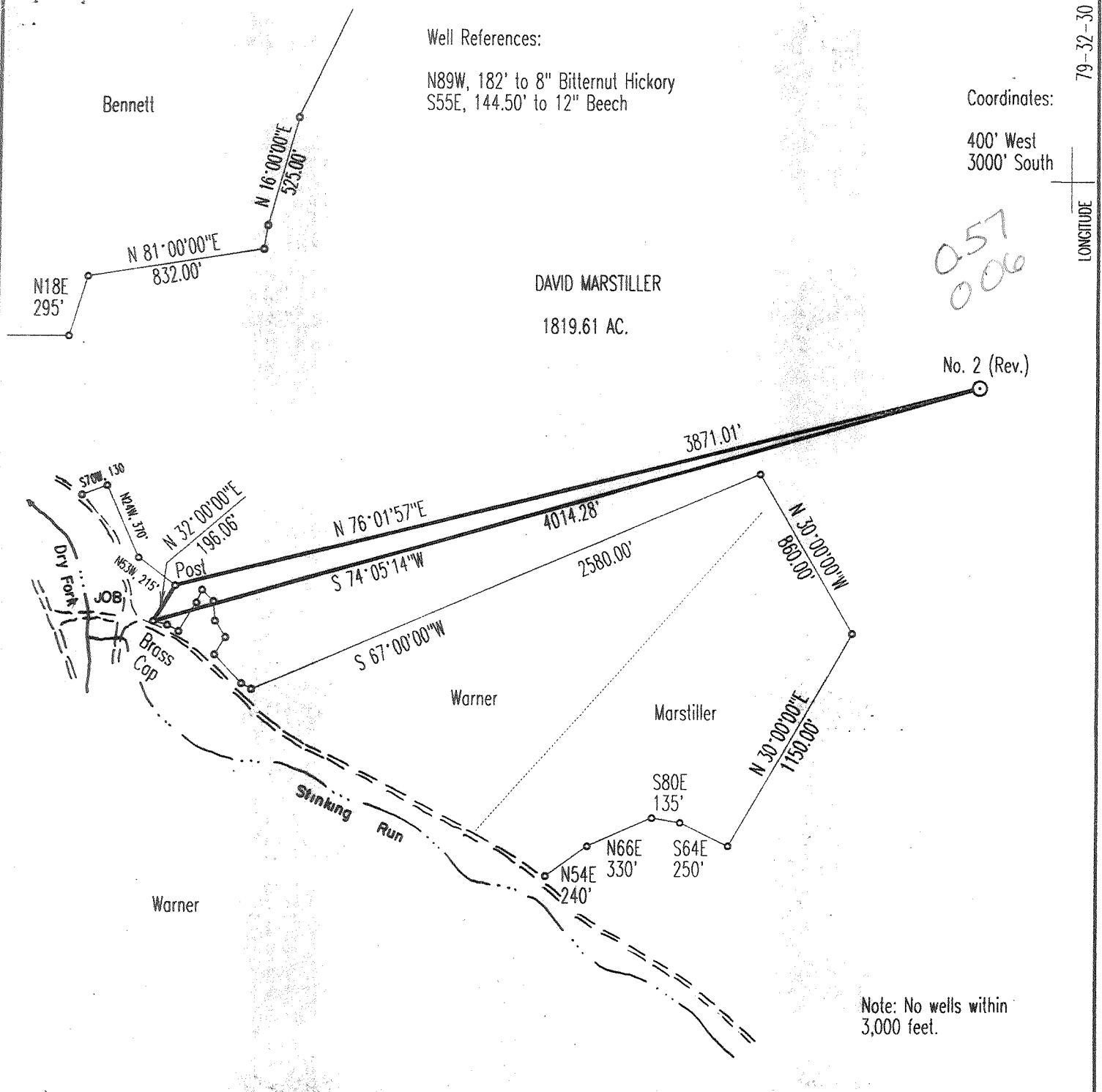
400' West
3000' South

057
006

DAVID MARSTILLER

1819.61 AC.

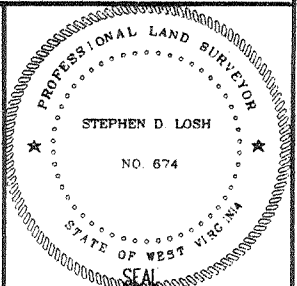
No. 2 (Rev.)



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

FILE & DRAWING NO. _____
 SCALE 1" = 660'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Rd. inter. 3000' SW of location Elevation = 2693'

FORM WV-6 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 DIVISION OF ENVIRONMENTAL PROTECTION.
 (SIGNED) _____
 STEPHEN D. LOSH - PROFESSIONAL SURVEYOR # 674



LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2018 OR 842-5762

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD, NITRO, WV 25143-2506

DATE November 20, 1997
 OPERATORS WELL NO. Marsteller #2 (Rev.)
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS",) PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 3174.11' WATERSHED Dry Fork
 DISTRICT Dry Fork COUNTY Randolph
 QUADRANGLE Whitmer 7.5 min.
 SURFACE OWNER David S. Marsteller ACREAGE 1819.61
 OIL & GAS ROYALTY OWNER David S. Marsteller LEASE ACREAGE _____
 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 Oriskany ESTIMATED DEPTH _____
 WELL OPERATOR Cabot Oil & Gas Corporation DESIGNATED AGENT _____
 ADDRESS Rt. 3, Box 583 ADDRESS Rt. 3, Box 583
 Clarksburg, WV 26301 Clarksburg, WV 26301

6-6384

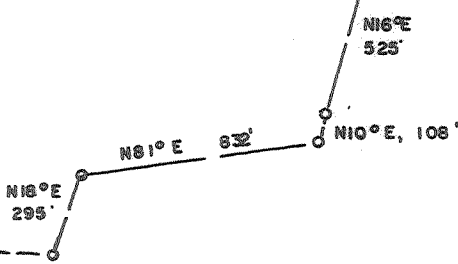
DEC 1 1997

COUNTY NAME PERMIT

LATITUDE 38° 52' 30"

WELL REFERENCES:
S 76° 52' E, 156.60' TO 5" TWIN SUGAR
N 83° E, 163.29' TO 14" SUGAR

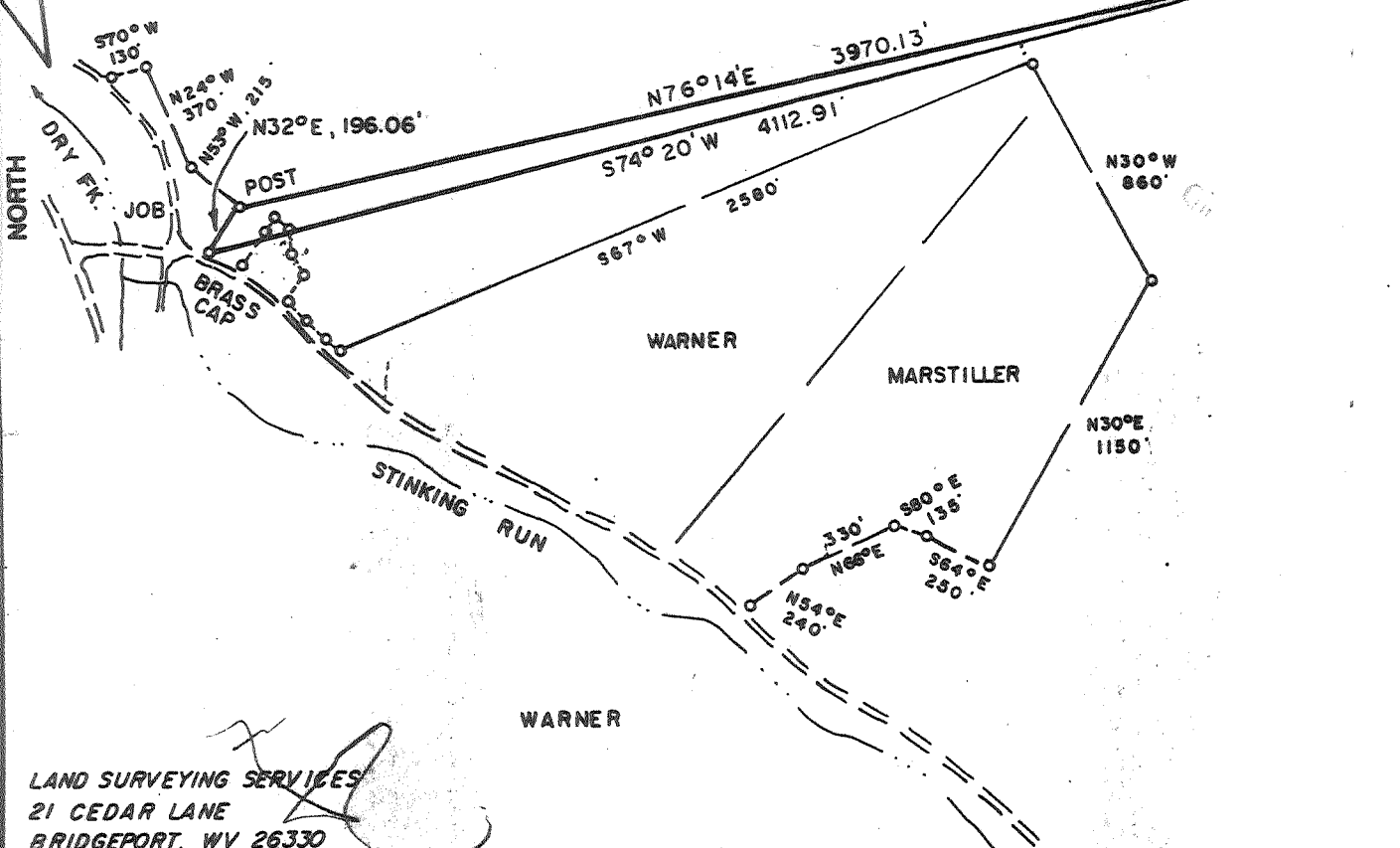
BENNETT



DAVID MARSTILLER
1882.45 AC.

.575
.04W

NO. 2



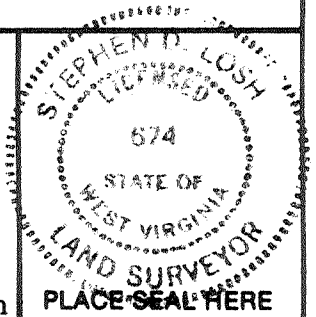
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 660'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION Rd. inter. 3100'
SW of location El. = 2693'

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) _____

R.P.E. _____ L.L.S. 674
Stephen D. Losh



WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506



DATE September 04, 19 97
OPERATOR'S WELL NO. Marsteller #2
API WELL NO. _____

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE DEEP SHALLOW ___
LOCATION: ELEVATION 3169.36' WATER SHED Dry Fork
DISTRICT Dry Fork COUNTY Randolph
QUADRANGLE Whitmer 7.5 min.
SURFACE OWNER David S. Marsteller ACREAGE 1882.45
OIL & GAS ROYALTY OWNER David S. Marsteller LEASE ACREAGE 1882.45
LEASE NO. 47-10313, A-B
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 Oriskany ESTIMATED DEPTH 8575
WELL OPERATOR Cabot Oil & Gas Corporation DESIGNATED AGENT John Abshire
ADDRESS Rt. 3, Box 583 ADDRESS P. O. Box 454
Clarksburg, WV 26301 Glasgow, WV 25036

DEEP WELL

OCT 24 1997

COUNTY NAME PERMIT

083-1143

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 (2) 678
2) Operator's Well Number: Marsteller #2 3) Elevation: 3169.36'
4) Well Type: a) Oil / or Gas X / b) If Gas: Production X / Underground Storage / Deep X / Shallow /
5) Proposed Target Formation(s): Oriskany 475
6) Proposed Total Depth: 8575 feet
7) Approximate fresh water strata depths: 25', 200', 377'
8) Approximate salt water depths: N/A
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 Randolph 1139

Issued 10/24/97
Expires 10/24/99

Office of Oil and Gas
Permitting
001

CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For Drilling, Left in Well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

*7" may be run, at company's discretion, if water is found below 9-5/8" casing that causes problems drilling to TD

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)

24469

1900003222
32

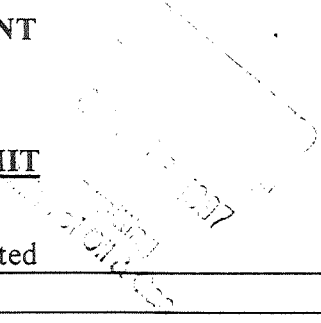
1) Date September 17, 1997
2) Operator's well number
Marsteller #2
3) API Well No 47 - 083 - 1143
State County Permit

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
(a) Name David S. Marsteller
Address 4 Mills Road
Gaithersburg, MD 20877
(b) Name Linda J. Warner
Address 15225 Breedens Road
Doswell, VA 23047
(c) Name _____
Address _____
6) Inspector Phillip Tracy
Address Route 2, Box 37-A
Montrose, WV 26283
Telephone (304) 626-0787

5) (a) Coal Operator
Name Not Operated
Address _____
(b) Coal Owner(s) with Declaration
Name David S. Marsteller
Address 4 Mills Road
Gaithersburg, MD 20877
Name Linda J. Warner
Address 15225 Breedens Road
Doswell, VA 23047
(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**
 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.

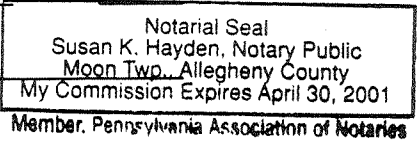
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, 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 Ray Rudrick, Jr.
Its Drilling Manager
Address 400 Fairway Drive Suite 400
Coraopolis, PA 15108
Telephone (412)299-7000

Subscribed and sworn before me this 17th day of September, 19 97

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





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

October 22, 1997

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

Re: Application for Permit #47-083-01143 to drill deep well.

COMPANY: Cabot Oil and Gas Corporation

FARM: David S. Marsteller #2

COUNTY: Randolph DISTRICT: Dry Fork QUAD: Whitmer

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 Lozlin
Engineer

*4,900 feet to 47-083-01139
5,050 feet to 47-083-01142P

WR-35

Date: 19-Oct-98
API # 47-083-01143 X

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

Farm name: Marsteller, David S. Operator Well No.: Marsteller #2

LOCATION: Elevation: 3,174.11 Quadrangle: Whitmer
District: Dry Fork County: Randolph
Latitude: 3,000 feet South of 38 DEG. 52 MIN. 30 SEC.
Longitude: 400 feet West of 79 DEG. 32 MIN. 30 SEC.

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

Agent: John Abshire
Inspector: Phil Tracy
Permit Issued: 11/26/97
Well Work Commenced: 2/18/98
Well Work Completed: 3/12/98
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 8370'
Fresh Water Depths (ft) 100'
Salt Water Depths (ft)

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
13-3/8"	58'	58'	15 sks Class "A"
9-5/8"	1628'	1628'	550 sks Class "A"
4-1/2"	8333'	8333'	260 sks Class "A"

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

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 8178' - 8188'
Gas: Initial open flow 1.704 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 3.916 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 16 Hours
Static rock pressure 2.850 psig (surface pressure after 48 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 Prudnick, Jr.
Date: 10/30/98

RECEIVED
Office of Oil & Gas
Permitting
NOV 09 1998
WV Division of
Environmental Protection

RAND 1143 X

OPEN FLOW DATA

Perf'd 2nd Bench of Oriskany from 8178' - 8188'. Borke down with 250 gals of 28% HCl acid and displaced with 50 bbls H₂O. BDP: 6200 psi. ISIP: 3000 psi. Frac'd with 1,325 bbls 30# x-link gel with 105,000# sand. ATP: 3850 psi. MTP: 4470 psi. ATR: 22 bpm. ISIP: 3800 psi.

FORMATION	TOP	BOTTOM	REMARKS
KB	0	10	
Sand/Shale	10	2449	
Shale/Silt	2449	2671	
Sand	2671	2682	
Shale/Silt	2682	2964	
Sand/Shale	2964	3530	
Shale/Sand	3530	5080	
Shale	5080	6324	
Sand	6324	6345	
Shale	6345	6918	
Sand	6918	6932	
Shale	6932	7530	
Tully	7530	7558	
Shale/Lime	7558	7806	
Upper Marcellus	7806	7851	
Purcell	7851	7876	
Lower Marcellus	7876	7924	
Onondaga	7924	7996	
Huntersville	7996	8053	
Needmore	8053	8082	
Oriskany	8082	8292	
Helderberg	8292	8370 - TD	