

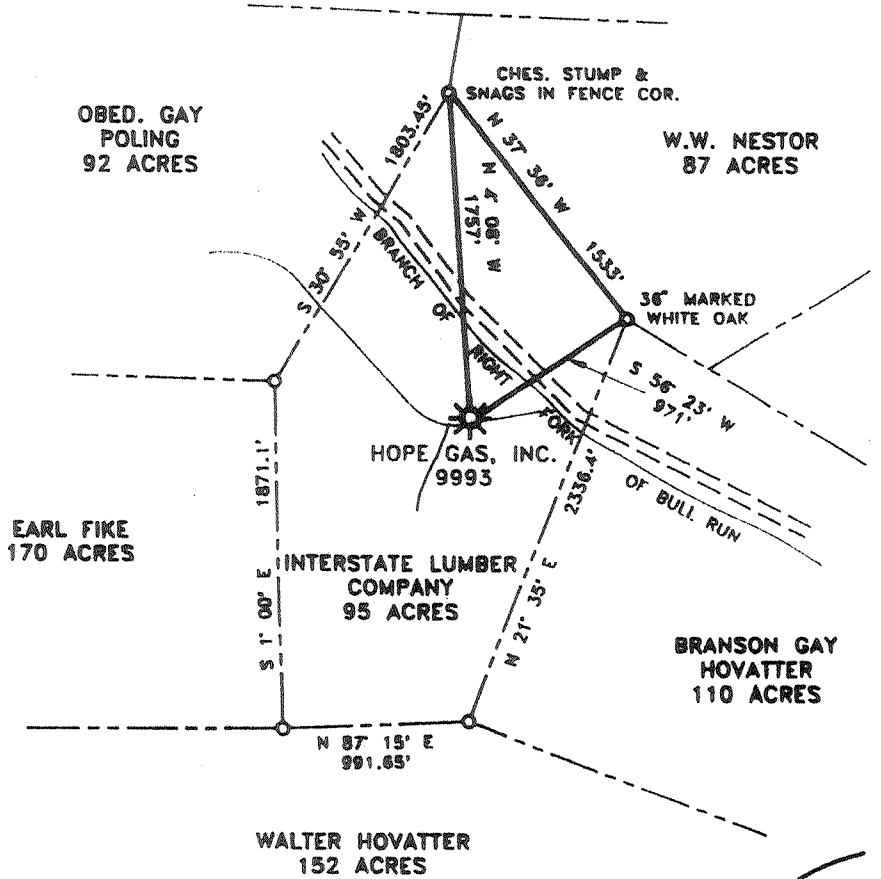
Jamie
8/3/92

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EQUILIGNOT

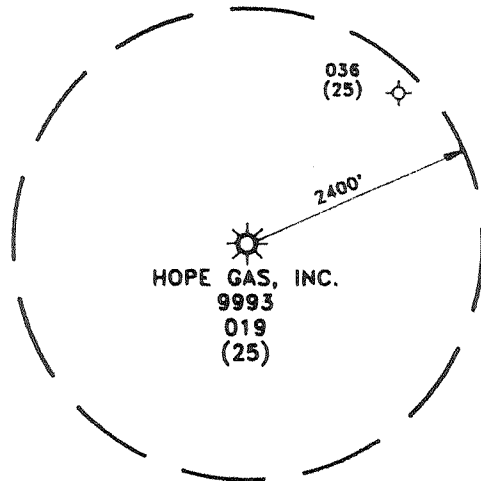
14,430'

NORTH



WELL REFERENCES:

LOC. TO PIPELINE MARKER N 58° 30' W 156'
LOC. TO GATE VALVE N 77° 30' W 147'

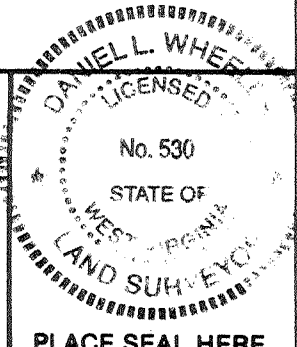


D. L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 346
 CLARKSBURG, WV. 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION HOPE GAS, INC.
WELL 9993 ELEV. 1921'

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) *Daniel L. Wheeler*
 R.P.E. _____ L.L.S. 530
DANIEL L. WHEELER



PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAY 21, 19 92
 OPERATOR'S WELL NO. HOPE GAS, INC. 9993
 API WELL NO. 47-093-019-P
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1921' WATERSHED ___ RIGHT FORK OF BULL RUN
 DISTRICT LICKING COUNTY TUCKER

QUADRANGLE COLEBANK 7.5'
 SURFACE OWNER INTERSTATE LUMBER COMPANY ACREAGE 95
 OIL & GAS ROYALTY OWNER EARL FIKE LEASE ACREAGE 95
 LEASE NO. 60865

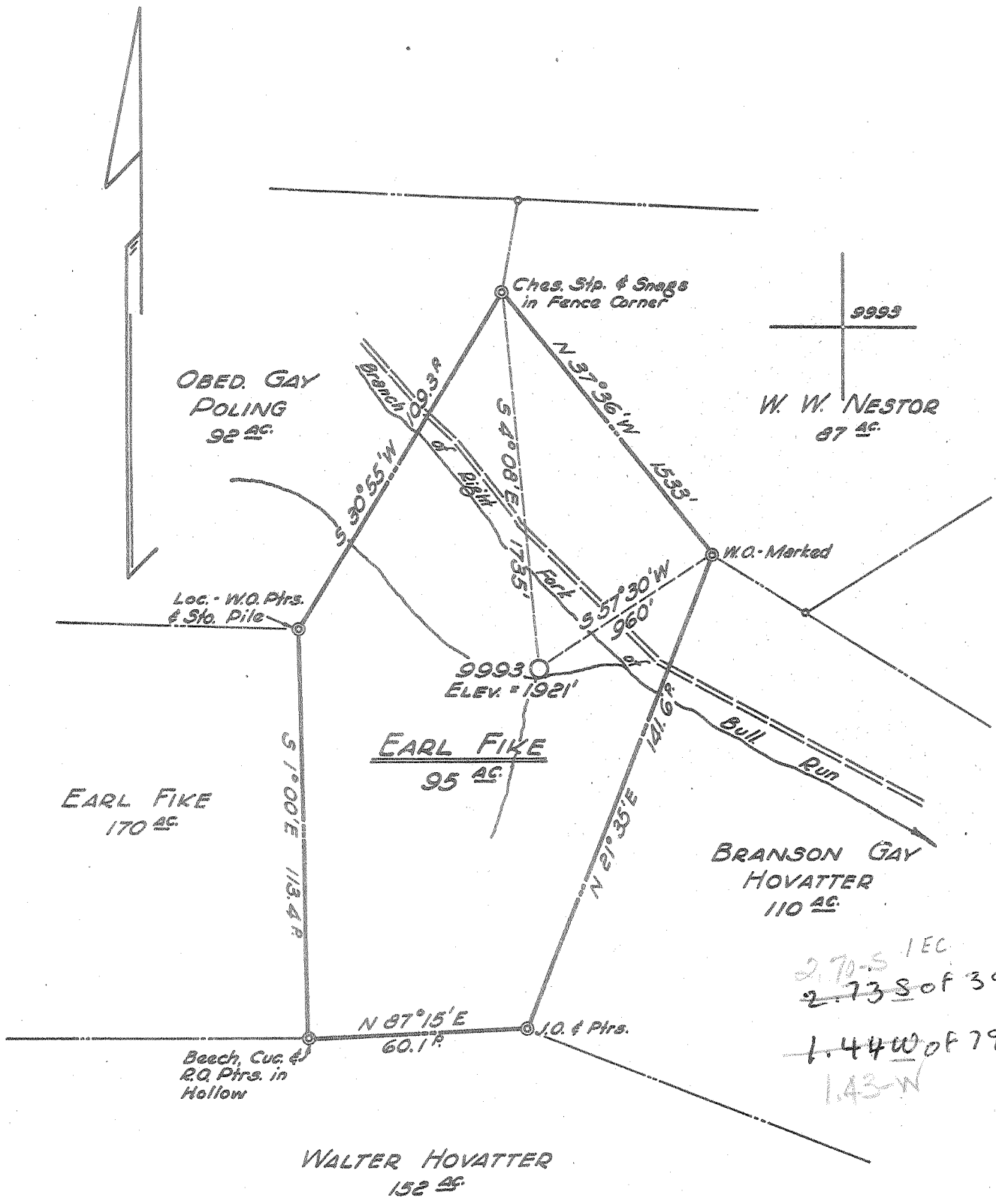
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___
 TARGET FORMATION HELDERBERG ESTIMATED DEPTH 5034'
 WELL OPERATOR HOPE GAS, INC. DESIGNATED AGENT CALVIN MORRISON
 ADDRESS P.O. BOX 2868 ADDRESS P.O. BOX 2868
CLARKSBURG, WV. 26301 CLARKSBURG, WV. 26301

AUG 10 1992

COUNTY NAME

PERMIT



New Location 9993 (UNIT)
 Drill Deeper
 Abandonment

Map Sheet #1233; F.B. 1146, R.1-2

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W. VA.
 Farm EARL FIKE
 Tract _____ Acres 95 Lease No. 60865
 Well (Farm) No. _____ Serial No. 9993
 Elevation (Spirit Level) 1921'
 Quadrangle BELINGTON - NE
 County TUCKER District LICKING
 Engineer Guy H. Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date MARCH 2, '56 Scale 1" = 40'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. JUG-19

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle TUC-19

Permit No. Belington

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Earl Fike Acres 95
Location (waters) _____
Well No. 9993 Elev. 1921'
District Licking County Tucker
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

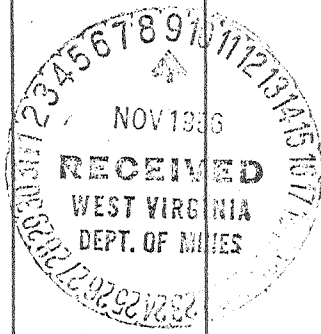
Drilling commenced April 11, 1956
Drilling completed Aug. 22, 1956
Date Shot Not shot From _____ To _____
With Hydrafrac

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 10,700M Cu. Ft.
Rock Pressure 2040# lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
Fresh water 765 feet _____ feet
Salt water 1180# feet _____ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | 21 | 21 | |
| 10 | 490 | 490 | Size of |
| 8 1/4 | 1291 | 1291 | |
| 6 3/4 | 4685 | 4685 | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED SIZE No. Ft. Date
8" casing cemented with 40 bags
7" cemented with 60 bags Uniflo.
No Coal
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------------------|-------|--------------|------|----------------------|-------------------|-------------|---------|
| Surface | | | 0 | 30 | | | |
| Slate & Shells | | | 30 | 60 | | | |
| Slate & Shells (Dark) | | | 60 | 142 | | | |
| Slate & Shells (Gray) | | | 142 | 756 | | | |
| Lime | | | 756 | 782 | Water | 765 | |
| Slate & Shells | | | 782 | 857 | | | |
| Lime | | | 857 | 898 | | | |
| Slate & Shells | | | 898 | 1105 | | | |
| BENSON | | | 1105 | 1188 | Water | 1180' | |
| Slate & Shells | | | 1188 | 1250 2250 | | | |
| Lime | | | 2250 | 2300 | | | |
| Slate & Shells | | | 2300 | 2430 | | | |
| Lime | | | 2430 | 2453 | | | |
| Slate & Shells | | | 2453 | 2495 | | | |
| Lime | | | 2495 | 2532 | | | |
| Slate & Shells | | | 2532 | 3400 | | | |
| Lime | | | 3400 | 3575 | | | |
| Slate & Shells | | | 3575 | 3670 | | | |
| Shale | | | 3670 | 4025 | | | |
| Lime | | | 4025 | 4050 | | | |
| Shale | | | 4050 | 4080 | | | |
| Shale (Brown) | | | 4080 | 4162 | | | |
| Lime | | | 4162 | 4174 | | | |
| Shale | | | 4174 | 4232 | | | |
| TULLY LIMESTONE | | | 4232 | 4282 | | | |
| Slate & Shells | | | 4282 | 4485 | | | |
| Lime | | | 4485 | 4510 | | | |
| Shale & Shells | | | 4510 | 4564 | | | |
| Shale | | | 4564 | 4662 | | | |
| ONONDAGA | | | 4662 | 4684 | | | |
| CHERT | | | 4684 | 4706 | | | |
| ONONDAGA | | | 4706 | 4722 | | | |
| CHERT | | | 4722 | 4916 | | | |
| Oriskany | | | 4916 | 5003 | | | |
| HELDERBERG | | | 5003 | 4994 5034 | Gas | 5018 | |



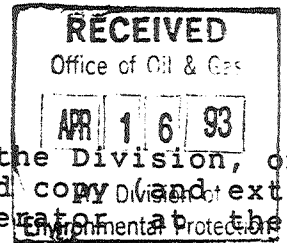
Loc. Pay

November 8, 1956
Hope Natural Gas Company
Jack Bailey

TOTAL DEPTH 5187' (Over) 4916 5103
1921 1921
2785 2995

see log Strip

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND 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: INTERSTATE LUMBER CO. Operator Well No.: 9993

LOCATION: Elevation: 1921.00 Quadrangle: COLEBANK
District: LICKING County: TUCKER
Latitude: 14430 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude 7650 Feet West of 79 Deg. 45 Min. 0 Sec.

Well Type: OIL _____ GAS X

Company: Hope Gas, Inc.
P. O. Box 2868
Clarksburg, WV 26301

Coal Operator None
or Owner _____

Agent: Calvin R. Morrison

Coal Operator _____
or Owner _____

Permit Issued: 08/03/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Tucker

ss:

Calvin R. Morrison and Ronnie Williams 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 Phillip Tracy Oil and Gas Inspector representing the Director, say that said work was commenced on the 18th day of September, 1992, and that the well was plugged and filled in the following manner:

| TYPE | FROM | TO | PIPE REMOVED | LEFT |
|--------|-------|-------|---------------------|--------------------|
| Cement | 5072' | 4825' | | |
| Gel | 4825' | 4776' | 3 1/2" tubing 4800' | 3 1/2" tubing-240' |
| Cement | 4776' | 4576' | | |
| Gel | 4576' | 2548' | 7" csg - 2520' | 7" csg-1915' |
| Cement | 2548' | 2348' | | |
| Gel | 2348' | 1362' | | |
| Cement | 1362' | 1212' | | |
| Gel | 1212' | 1043' | 8 5/8" csg-1020' | 8 5/8" csg-271' |
| Cement | 1043' | 943' | | |

Handwritten initials and date: 4/16/93

Description of monument: 7" CSG with API# attached
and that the work of plugging and filling said well was completed on the 25th day of September, 1992.

And further deponents saith not.

Calvin R. Morrison

Ronnie Williams

Sworn and subscribe before me this 13th day of April, 1993

My commission expires: SEPT 10 2002

NOTARY PUBLIC
STATE OF WEST VIRGINIA
LINDA D. HARBERT
P. O. Box 185
Lumberport, WV 26300

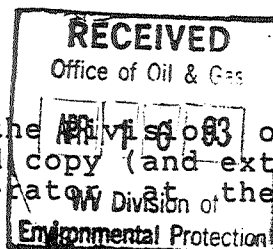
Linda D. Harbert
Notary Public

Oil and Gas Inspector: Phillip Tracy



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

AFFIDAVIT OF PLUGGING AND FILLING WELL



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Well Type: OIL _____ GAS x

Company: Hope Gas, Inc.
P. O. Box 2868
Clarksburg, WV 26301

Coal Operator None
or Owner _____

Agent: Calvin R. Morrison

Coal Operator _____
or Owner _____

Permit Issued: 08/03/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Tucker

ss:

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| TYPE | FROM | TO | PIPE REMOVED | LEFT |
|--------|------|---------|--------------------|------|
| Gel | 943' | 558' | 10 3/4" csg - 490' | |
| Cement | 558' | 458' | | |
| Gel | 458' | 175' | | |
| Cement | 175' | surface | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Description of monument: 7" CSG with API# attached
and that the work of plugging and filling said well was completed on the 25th day of September, 1992.

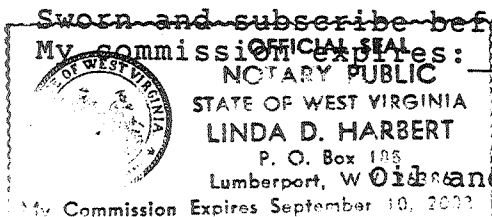
And further deponents saith not.

Calvin R. Morrison

Ronnie Williams

Linda D. Harbert
Notary Public

Phillip Tracy
Oil and Gas Inspector:



Sworn and subscribe before me this 13th day of APRIL, 1993

My commission expires: SEPT 10 2002

NOTARY PUBLIC
STATE OF WEST VIRGINIA
LINDA D. HARBERT

P. O. Box 105
Lumberport, W. Va. 26046
My Commission Expires September 10, 2002