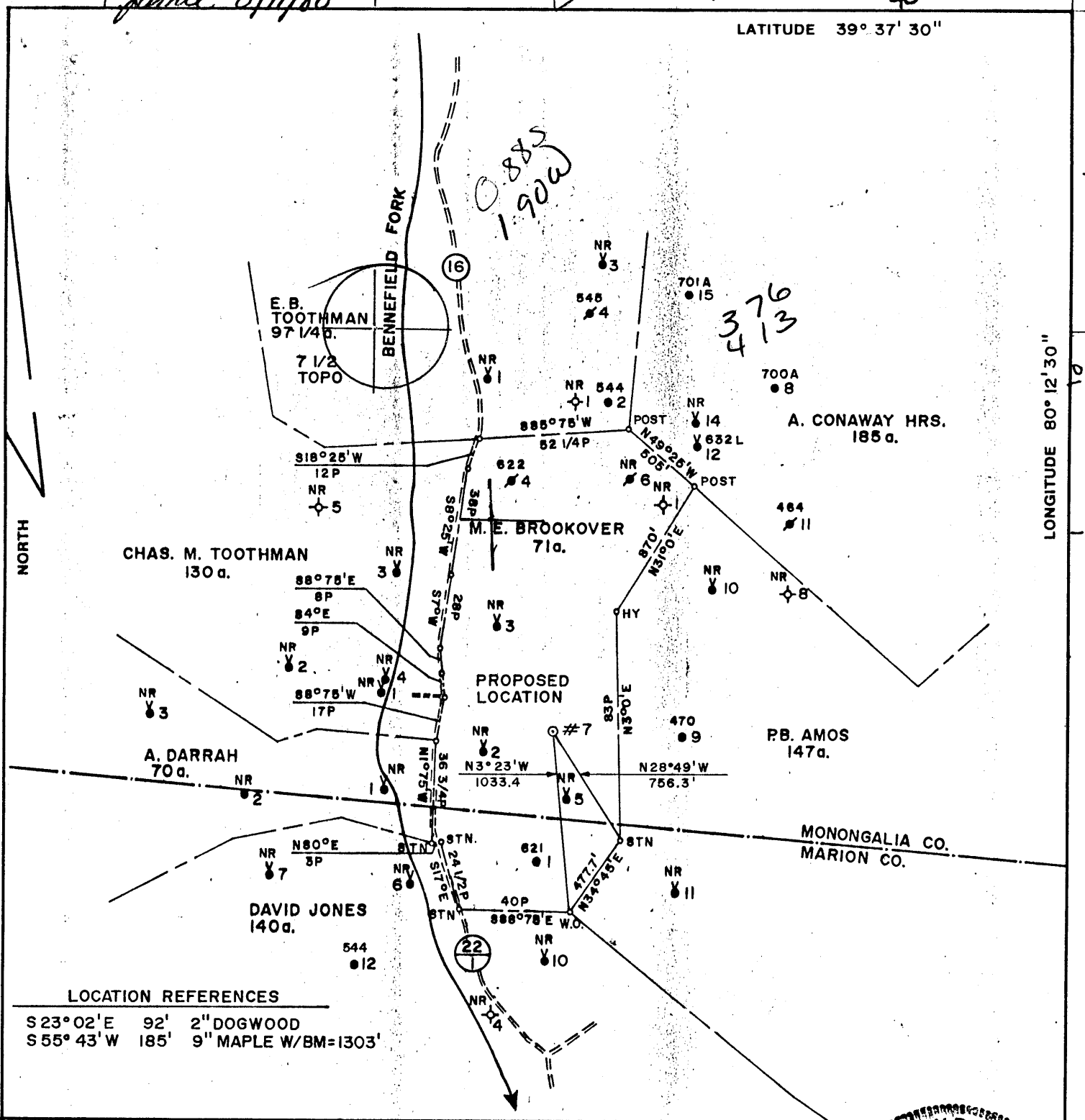


Jamie 8/11/88

10,125' 40
LATITUDE 39° 37' 30"



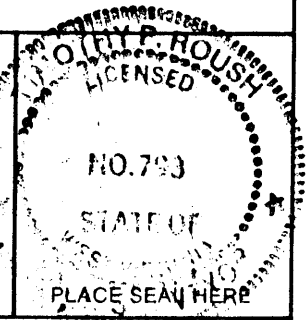
LONGITUDE 80° 12' 30"

NORTH

LOCATION REFERENCES
 S 23° 02' E 92' 2" DOGWOOD
 S 55° 43' W 185' 9" MAPLE W/BM=1303'

FILE NO. 919
 MAP N61E SQS N11 E21
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 2000
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION
 700' NW OF LOCATION = 1087'

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) *Timothy P. Roush*
 TIMOTHY P. ROUSH LLS. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JULY 27th 1988
 FARM M. E. BROOKOVER NO. 7
 API WELL NO.

47 - 061 - 0879

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ CORE TEST X
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1313' WATER SHED BENNEFIELD PRONG
 DISTRICT CLAY COUNTY MONONGALIA
 QUADRANGLE GRANT TOWN 7.5 380 OR 4 Blacksville WC
 SURFACE OWNER BILLY HAUGHT ACREAGE 71a.
 OIL & GAS ROYALTY OWNER ZELMA A. BROOKOVER LEASE ACREAGE 71a.
 LEASE NO. 47519-50
 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 FIFTH SAND ESTIMATED DEPTH 3,330'
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS 6-?
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519 Fairview-Statler
 VIENNA, WV 26105 VIENNA, WV 26105 Run-Mt. Morris (066)

SEP 06 1988

FORM IV-6 (8-78)

P. T. HALL

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JAN 11 1989

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: HAUGHT, BILLY

Operator Well No.: BROOKOVER 7

LOCATION: Elevation: 1313.00 Quadrangle: GRANT TOWN

District: CLAY County: MONONGALIA
Latitude: 4700 Feet South of 39 Deg. 37Min. 30 Sec.
Longitude 10125 Feet West of 80 Deg. 12 Min. 30 Sec.

Company: PENNZOIL PRODUCTS COMPANY
P. O. BOX 5519
VIENNA, WV

Asent: JAMES A. CREWS

Inspector: DONALD ELLIS
Permit Issued: 09/01/88
Well work Commenced: 11-7-88
Well work Completed: 11-15-88
Verbal Plussins _____
Permission granted on: _____
Rotary X Cable _____ Ris _____
Total Depth (feet) 3315'
Fresh water depths (ft) _____
 N/A
Salt water depths (ft) _____
 N/A
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 308, 828

Casing & Tubins Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
13-3/8	18'	18'	
8-5/8	888'	888'	To surfa
4-1/2	3299	3299	400 Sks.

OPEN FLOW DATA

Producing formation Fifth Sand* Pay zone depth (ft) 3238

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 _____ psis (surface pressure) after _____ Hours
 *Well to be completed at a later date.

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 _____ psis (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 WELLOBORE.

For: PENNZOIL PRODUCTS COMPANY

JAN 18 1989

By: Curtis A. Lucas Curtis A. Lucas
Date: January 10, 1989

Sand & Shale	0-196
Sand	196-204
Sand & Shale	204-308
Coal	308-312
Shale	312-412
Sand	412-442
Sand & Shale	442-828
Pittsburgh Coal	828-836
Shale	836-858
Sand	858-897
Shale	897-933
Sand	933-964
Sand & Shale	964-1361
Sand	1361-1385
Shale	1385-1503
Sand	1503-1533
Sand & Shale	1533-1560
Sand	1560-1604
Shale	1604-1653
Sand	1653-1670
Shale	1670-1729
Salt Sand	1729-1800
Sand & Shale	1800-2029
Little Lime	2029-2041
Blue Monday	2041-2062
Pencil Cave	2062-2068
Big Lime	2068-2130
Loyalhanna	2130-2210
Big Injun	2210-2324
Pocono Shale	2324-2401
Sand	2401-2416
Shale	2416-2588
Sand	2588-2606
Shale	2606-2632
Sand	2632-2645
Sand & Shale	2645-2717
Sand	2717-2741
Shale	2741-2767
Sand & Shale	2767-3166
Shale	3166-3219
Siltstone	3219-3222
Shale	3222-3238
Fifth Sand?	3238-3252
Shale	3252-3259
Sand	3259-3263
Shale	3263-3315
Total Depth	3315

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JAN 11 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

7547

JAN 18 1989

MONON. 087A

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

- 1) Well Operator: Pennzoil Products Company *37450, 3, 380*
- 2) Operator's Well Number: M. E. Brookover No. 7 3) Elevation: 1306
- 4) Well type: (a) Oil / or Gas / Core Test /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Fifth Sand
- 6) Proposed Total Depth: 3330 feet
- 7) Approximate fresh water strata depths: N/A 300'-350'
- 8) Approximate salt water depths: 1840
- 9) Approximate coal seam depths: 830
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill & Stimulate New Well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water				<i>860</i>	<i>860</i>	<i>38CSR18-11.3</i>
Coal	8-5/8			850	850	<i>38CSR18-11.72</i> To Surface
Intermediate						<i>38CSR18-11.1</i>
Production	4-1/2			3325	3325	Thru Salt Sand
Tubing						
Liners						

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PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

2547

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50000 Agent

(Type)

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Page 1 of 4
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: August 4, 1988
2) Operator's well number
M. E. Brookover No. 7
3) API Well No: 47 - 061 - 0879
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|--|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Billy Haught</u>
Address <u>Rt. 1, Box 160</u>
<u>Fairview, WV 26570</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____
Address _____</p> <p>(b) Coal Owner(s) with Declaration
Name <u>Charleston National Bank</u>
Address <u>Capitol and Virginia Street</u>
<u>Charleston, WV 25300</u></p> <p>Name _____
Address _____</p> <p>(c) Coal Lessee with Declaration
Name _____
Address _____</p> |
| <p>6) Inspector <u>Donald Ellis</u>
Address <u>2604 Crab Apple Lane</u>
<u>Fairmont, WV 26554</u>
Telephone (304)- <u>534-5596</u></p> | |

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 4 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 Pennzoil Products Company
By: Curtis A. Lucas Curtis A. Lucas
Its: Supervisor, Surveying/Mapping
Address P.O. Box 5519
Vienna, WV 26105-5519
Telephone 304-422-6565

Subscribed and sworn before me this 4th day of August, 1988

Joyce M. Board
My Commission expires _____

October 24, 1989

Notary Public