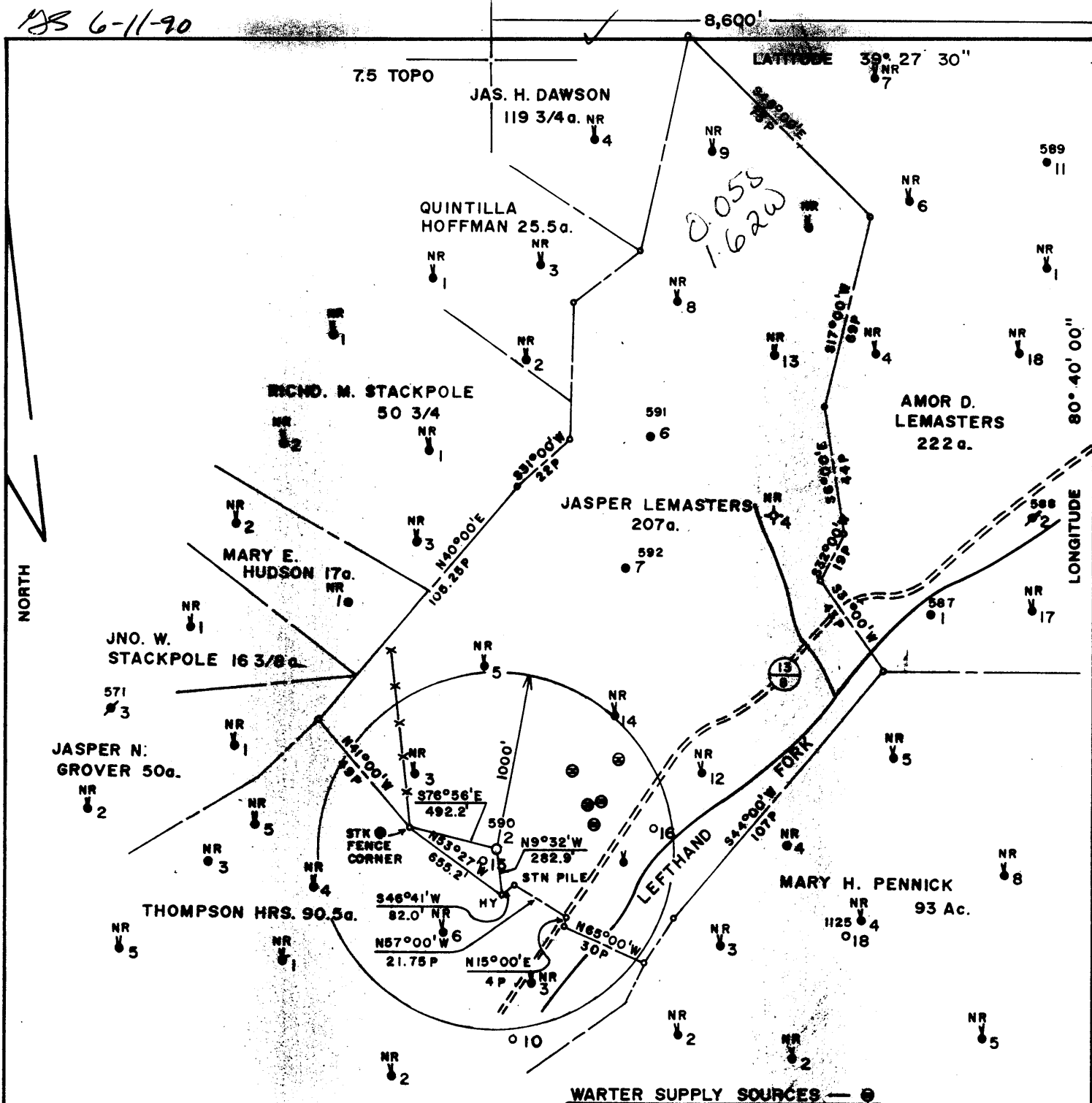
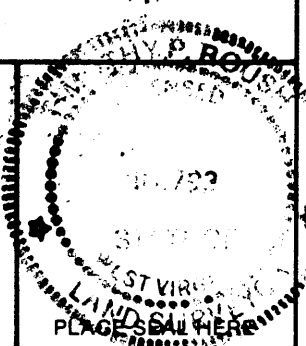


183 6-11-90



FILE NO. 1753
 MAP N47 SQS N1/2 W4/S
 SCALE 1"=800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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 P.S. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 29, 19 90
 FARM JASPER LEMASTERS NO. 2
 API WELL NO.

47 - 095 - 0590 +LZ

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1011.24 WATER SHED LEFTHAND FORK
 DISTRICT McELROY COUNTY TYLER

SURFACE OWNER JERRY WALTERS ACREAGE 88
 OIL & GAS ROYALTY OWNER DON E. RIDDLE LEASE ACREAGE 207

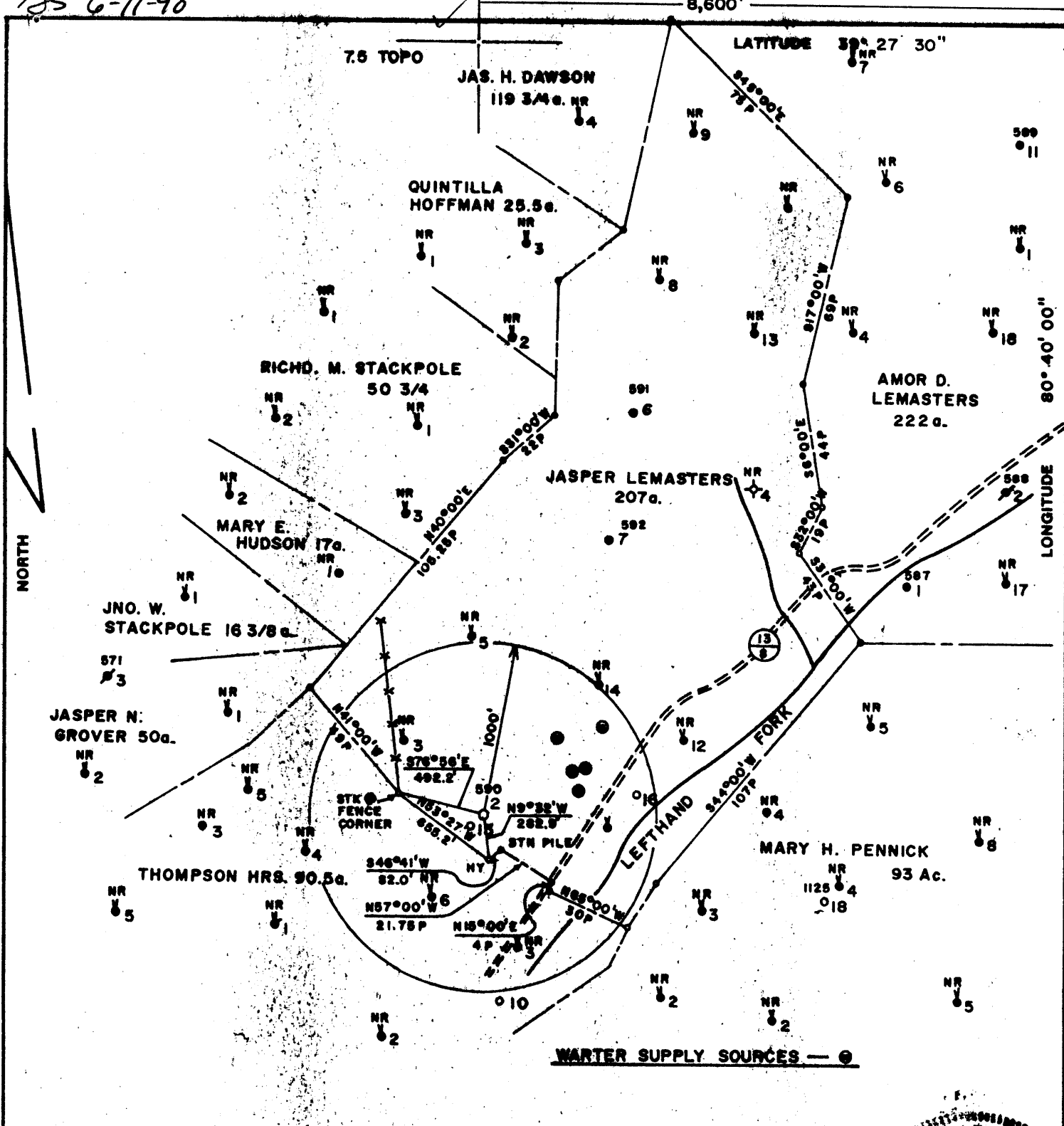
LEASE NO. RG 2171-00
 PROPOSED WORK: DRILL ___ CONVERT X DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION GORDON ESTIMATED DEPTH 2965'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519
VIENNA, WV 26105 VIENNA, WV 26105

FORM IV-6 (8-78)

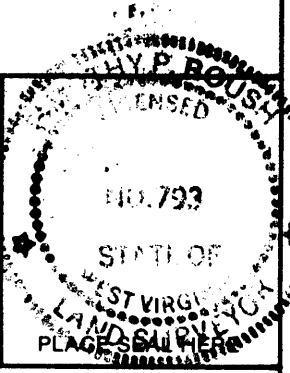
H T HALL

TYLER 0590-LTP



FILE NO. 1753
 MAP N47 SQS N1/2 W4/3
 SCALE 1"=800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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. Boush
 TIMOTHY P. BOUSH P.S. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 29, 19 90
 FARM JASPER LEMASTERS NO. 2
 API WELL NO.

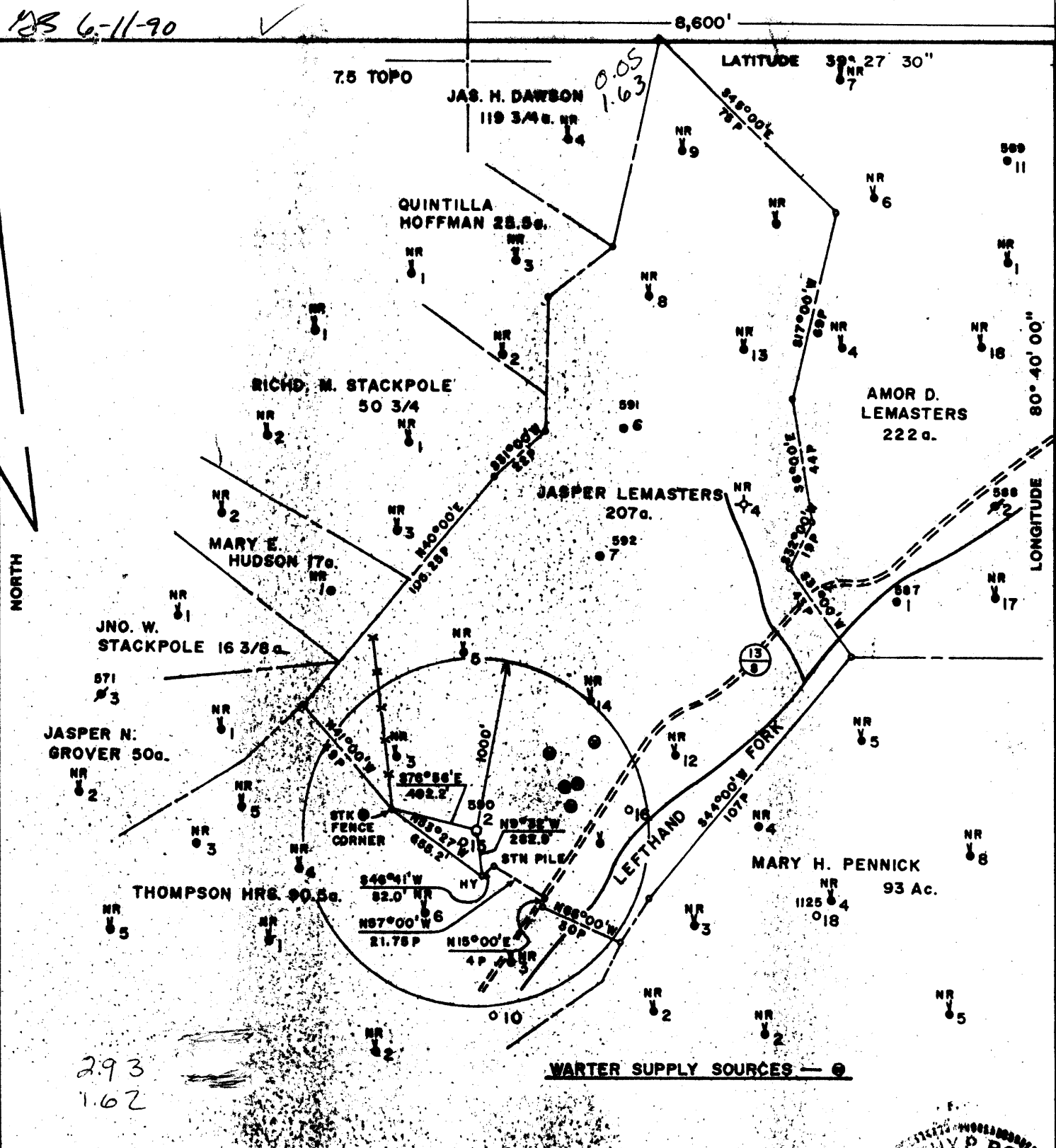
47 - 095 - 0590 + LT
 STATE COUNTY PERMIT
Plug

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1011.24 WATER SHED LEFTHAND FORK
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE CENTERPOINT 71/2
 SURFACE OWNER JERRY WALTERS ACREAGE 88
 OIL & GAS ROYALTY OWNER DON E. RIDDLE LEASE ACREAGE 207
 LEASE NO. R6 2171-00
 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 GORDON ESTIMATED DEPTH 2965'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519
VIENNA, WV 26105 VIENNA, WV 26105

FORM IV-6 (8-78)
 H. T. HALL

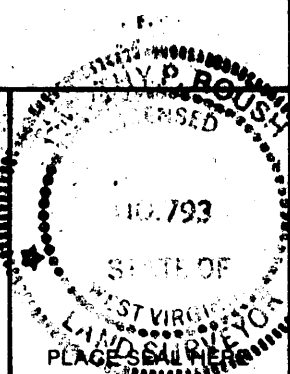
SEP 8 1990

TYLER 0590-LT P



FILE NO. 1753
 MAP N47 SQS N1/2 N47
 SCALE 1"=800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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 P.S. 793



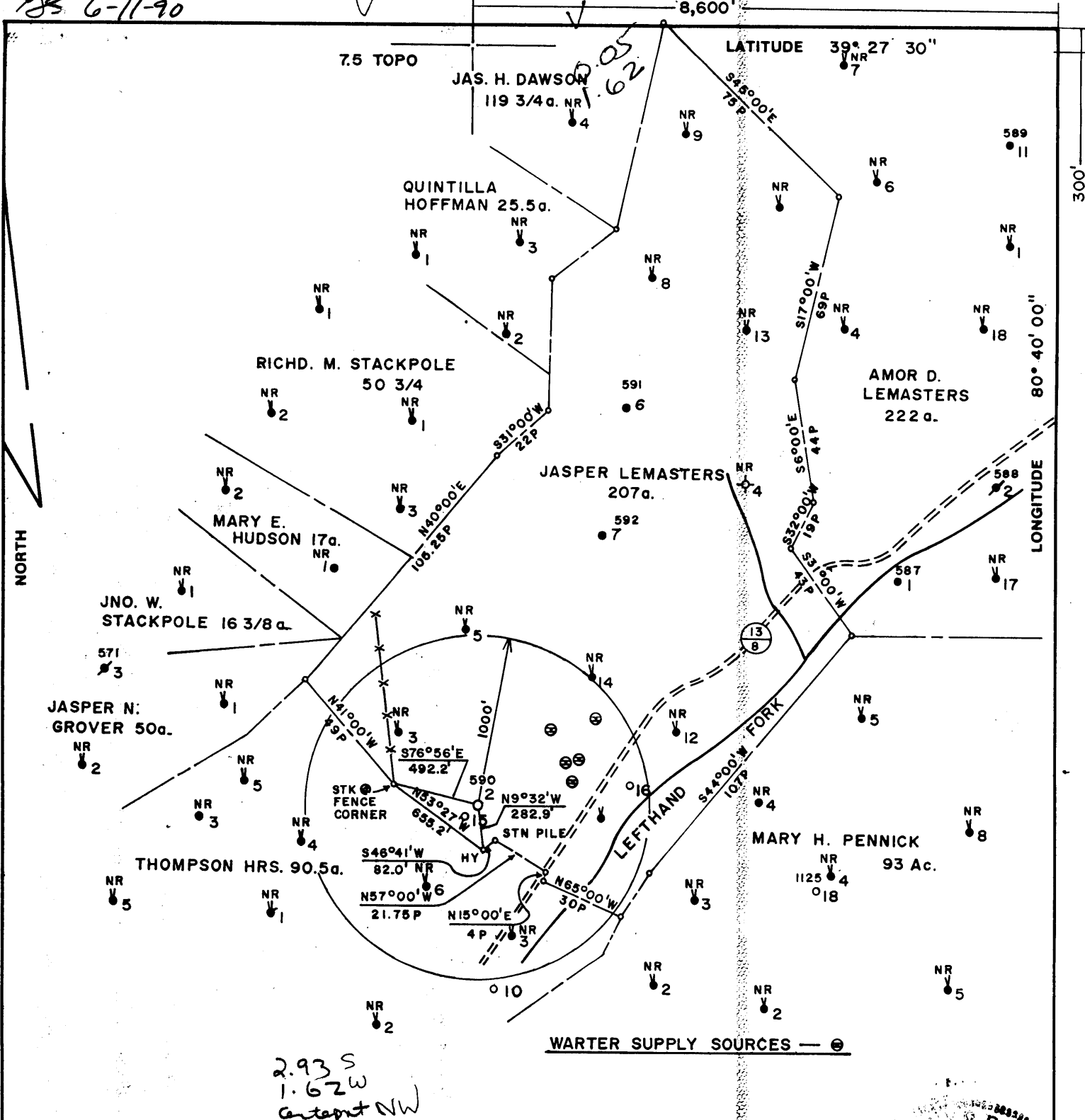
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1011.24 WATER SHED LEFTHAND FORK
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE CENTERPOINT 7 1/2 NW
 SURFACE OWNER JERRY WALTERS ACREAGE 88
 OIL & GAS ROYALTY OWNER DON E. RIDDLE LEASE ACREAGE 207
 LEASE NO. R6 2171-00
 PROPOSED WORK: DRILL ___ CONVERT X DRILL DEEPER ___ REGRILL ___ 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 GORDON ESTIMATED DEPTH 2965'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519

DATE MAY 29 19 90
 FARM JASPER LEMASTERS NO. 2
 API WELL NO. 47 - 095 - 0590-42
 STATE COUNTY PERMIT Frac
 MAY 14 1990

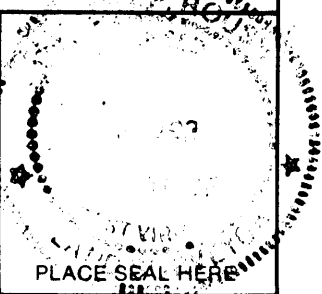
FORM IV-6 (8-78)
 H. T. HALL

TYLER 0590-42



FILE NO. 1753
 MAP N47 SQS N1/2 W4/5
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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 RS. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1011.24 WATER SHED LEFTHAND FORK
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE CENTERPOINT 71/2
 SURFACE OWNER JERRY WALTERS ACREAGE 88
 OIL & GAS ROYALTY OWNER DON E. RIDDLE LEASE ACREAGE 207
 LEASE NO. RG 2171-00
 PROPOSED WORK: DRILL ___ CONVERT X 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 GORDON. ESTIMATED DEPTH 2965'
 WELL OPERATOR PENNZOIL COMPANY ADDRESS P.O. BOX 5519 VIENNA, WV 26105
 DESIGNATED AGENT JAMES A. CREWS ADDRESS P.O. BOX 5519 VIENNA, WV 26105

DATE MAY 29, 19 90
 FARM JASPER LEMASTERS NO. 2
 API WELL NO. 47 - 095 - 0590-47
 STATE COUNTY PERMIT

8-0 Jacksonburg - Stringtown (095)

FORM IV-6 (8-78)
 H. T. HALL

RECEIVED
 DIVISION OF ENERGY
 APR 15 91
 Mining Sector

24-Jul-90
 API # 47- 95-00590 S

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

Well Operator's Report of Well Work

Farm name: WALTERS, JERRY, ETAL Operator Well No.: J. LEMASTERS 2
 LOCATION: Elevation: 1011.24 Quadrangle: CENTER POINT

District: MCELROY County: TYLER
 Latitude: 300 Feet South of 39 Deg. 27Min. 30 Sec.
 Longitude 8600 Feet West of 80 Deg. 40 Min. 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY
 P. O. BOX 5519
 VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: GLEN P. ROBINSON
 Permit Issued: 07/24/90
 Well work Commenced: 7-31-90
 Well work Completed: 8-23-90
 Verbal Plugging _____
 Permission granted on: _____
 Rotary Cable Rig
 Total Depth (feet) 2919
 Fresh water depths (ft) _____
 Salt water depths (ft) _____
 Is coal being mined in area (Y/N)? N
 Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
SEE ORIGINAL RECORD			

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2893-2913
 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

Second producing formation N/A 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

* Old well converted to liquid injection well.

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: PENNZOIL PRODUCTS COMPANY

By: Timothy P. Roush
 Date: April 11, 1991

APR 19 1991

No Stimulation

Well Log

See original record.

10758

Permit # 095-0590

JAS. (JASPER?) LEMASTERS NO. 2 WELL.

Gal. No. 436 (215)

McElroy District, Tyler County, W. Va.
South Penn Oil Co.
Elevation, 1185'.
On Lefthand Fork.

7

No. 1

SOUTH PENN OIL COMPANY--COMPLETION

SERIAL NO. _____ FARM Mapor Lemasters WELL NO. 2
 ELEVATION _____ N. 1 S. _____ E. _____ W. 4
 LEASE NO. _____ ACRES 207
 WATERS OF Branch Indian Creek
 DISTRICT Calroy COUNTY Tyler STATE W. Va.
 DRILLING COMMENCED 6/19-1897 COMPLETED 8/14-1897 DEPTH 2919'

SANDS	TOP	BOTTOM	ELEV. TOP	CASING
Pgm. Coal	816'			
Big Injun Sand.	2080'	2207'		10" 300'
Stray Sand	2262'	2295'		1 1/2" 1374'
Gorden Sand.	2295'	2913'		6-5/8" 2276'
				5-3/16" 227'

PACKERS AND DEPTH SET

INITIAL PROD. 100 Bbls. SAND Gorden DEPTH 2123'

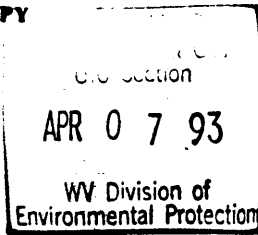
GAS TEST
SHOT 12/20-1897 QUARTS 30 7/9-1912 -- 100 QTS.

REMARKS Oil in Gorden sand at 2295'

REPORTED BY Piney District ABANDONED _____

10/91

17178



- 1) Date: April 6,
- 2) Operator's Well No. JASPER LEMASTERS
- 3) SIC Code _____
- 4) API Well NO. 47 - 095 590
State County Frac.
- 5. UIC Permit No. UIC2R09501AP

URI Rev

*Issued 05/12/93
Expires 05/12/95*

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

- 6) WELL TYPE: Liquid injection Gas injection (not storage) _____ Waste disposal _____
- 7) LOCATION: Elevation: 1011.24' Watershed: Left Hand Fork 286
District: McElroy County: Tyler Quadrangle: Center Point 7.5'
- 8) WELL OPERATOR Pennzoil Products Co. 37450 9) DESIGNATED AGENT J.A. Crews
Address P.O. Box 5519 Address P.O. Box 5519
Vienna, WV 26105 Vienna, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood
Address Rt. #2, Box 135
Salem, WV 26426
- 11) DRILLING CONTRACTOR: Name _____ Address _____
- 12) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate
Plug off old formation _____ / Perforate new formation _____ / Convert _____
Other physical change in well (specify) _____
- 13) GEOLOGICAL TARGET FORMATION, Gordon 400 Depth 2893 feet(top) to 2910 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 2913 ft.
- 15) Approximate water strata depths; Fresh, 236 feet; salt, 1393 feet.
- 16) Approximate coal seam depths: N/A
- 17) Is coal being mined in the area? Yes _____ / No _____
- 18) Virgin reservoir pressure in target formation 80 psig. Source ESTIMATED
- 19) Estimated reservoir fracture pressure 3500 psi psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bbl./Hr. Bottom hole pressure 2340 psi
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh water treated w/ bactericides and other chemicals as is necessary to maintain water quality.
- 22) FILTERS (IF ANY): Cartridge and/or coal bed filters.
- 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: _____

24) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds Halliburton R-
Fresh water	8 1/4					1374	0		
Coal	6 5/8					2276	2276		Sizes 2 3/8 X 4 1/2
Intermediate									
Production	4 1/2	J-55	10.5#	X			2539	150 Sks.	Depths set 2498'
Tubing	2 3/8		4.6#	X			2863		
Liners	5 3/16						2515 - 2896		Perforations: - - - Top - - Bottom - -

- 25) APPLICANT'S OPERATING RIGHTS were acquired from Jasper and Mary Lemasters
by deed _____ / lease / other contract _____ / dated March 23, 1897, of record in the
Tyler County Clerk's office in Deed Book 33 at page 73

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



Date: November 4, 19 92
 Operator's
 Well No. J. LEMASTERS #2
 API Well No. 47 - 095 - 0590

RECEIVED
 Office of Oil & Gas
 UIC Section

NOV 19 92

 WV Division of
 Environmental Protection

RECEIVED
 Office of Oil & Gas
 UIC Section *UIC*

APR 07 93

 WV Division of
 Environmental Protection

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 PRE-OPERATION CERTIFICATE
 FOR LIQUID INJECTION OR WASTE DISPOSAL WELL

WELL OPERATOR Pennzoil Products Company
 Address P.O. Box 5519
Vienna, WV 26105

DESIGNATED AGENT J.A. Crews
 Address P.O. Box 5519
Vienna, WV 26105

GEOLOGICAL TARGET FORMATION Gordon Depth 289 feet (top) to 2913 feet (bottom)
 Virgin reservoir pressure in target formation 80 psig
 Source of information on virgin reservoir pressure ESTIMATED
 Perforation intervals _____ Open-hole intervals 2863 - 2913

MAXIMUM PERMITTED INJECTION OPERATIONS

Volume per hour: 25 Bbl. Well head injection pressure: 1100 psig
 Bottom hole pressure: 2340 psig

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED

Liquids to be injected for oil recovery under Code § 22-4-10a: Fresh water and/or produced water from waterflood operations.

Wastes to be disposed of: _____

Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.):
Bactericides and other chemicals necessary to maintain water quality or improve oil recovery.

Specific Gravity: 1.0

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL

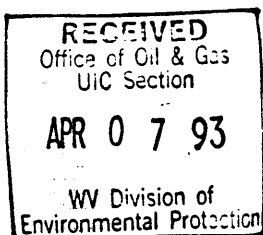
ADDITIONAL DRILLING AS PART OF THE CONVERSION

Complete and submit Form WR-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change".

DETAILS ON NEW CASING AND TUBING PROGRAM AS PART OF THE CONVERSION:

(To be completed below unless the new casing and tubing program is described on a Form WR-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change", submitted in connection with the permit to which this Form WR-37 preoperation certificate relates.)

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in Well		
Conductor									Kinds
Fresh water	8 1/2					1374	0		Howco R-4
Coal	6 5/8					2276	2276		Sizes
Intermediate									2 3/8 X 4
Production	4 1/2	J-55	10.5	X			2539	150 Sks.	Depths s
Tubing	2 3/8		4.6	X			2863		2498
Liners	5 3/16						2515 - 2896		Perforati



- 1) Date April 6, 1993
- Operator's
- 2) Well No. JASPER LEMASTERS #2
- 3) SIC Code
- 4) API Well No. 47 - 095 - 0590

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

- 6) SURFACE OWNER(S) OF RECORD TO BE SERVED
 - (i) Name Jerry Walters
Address Alvy, WV 26322
 - (ii) Name Carl E. Walters
Address Alvy, WV 26322
 - (iii) Name _____
Address _____
- 7 (i) COAL OPERATOR N/A
Address _____
- 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name _____
Address _____
- 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is _____, 19____.

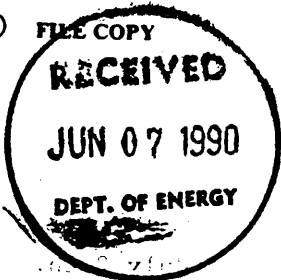
THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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.

Pennzoil Products Company
Well Operator
By Timothy P. Roush
Its Supervisor - Surveying/Mapping
Telephone (304) 422-6565



Issued 7/24/90
Exp'd 7/24/92
1) Date: June 4, 1990
2) Operator's Well No. JASPER LEMASTERS NO. 2
3) SIC Code
4) API Well NO. 47 - 095 - 0590-LI
State County Permit
5) UIC Permit No. UIC2R09501AP

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

- 6) WELL TYPE: Liquid injection / Gas injection (not storage) _____ / Waste disposal _____
- 7) LOCATION: Elevation: 1011.24 Watershed: Left Hand Fork 286
District: McElroy (S) County: Tyler Quadrangle: Center Point 7.5'
- 8) WELL OPERATOR Pennzoil Products Company 3745
Address P.O. Box 5519
Vienna, W. Va. 26105-5519
- 9) DESIGNATED AGENT James A. Crews
Address P.O. Box 5519
Vienna, WV 26105-5519
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Glen P. Robinson
Address Rt. 1, #6 Mt. Pleasant Est.
Mineral Wells, W. Va. 26150
- 11) DRILLING CONTRACTOR:
Name _____
Address _____
- 12) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate _____
Plug off old formation _____ / Perforate new formation _____ / Convert
Other physical change in well (specify) _____
- 13) GEOLOGICAL TARGET FORMATION, Gordon Depth 2893 feet(top) to 2910 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 2913 ft.
- 15) Approximate water strata depths; Fresh, 236 feet; salt, 1393 feet.
- 16) Approximate coal seam depths: _____
- 17) Is coal being mined in the area? Yes _____ / No /
- 18) Virgin reservoir pressure in target formation 80 psig. Source Estimated
- 19) Estimated reservoir fracture pressure 3500 (BHP) psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 20.8 Bbls. Bottom hole pressure 2340 psi
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh and produced water from Stringtown Field operations with bactericide. ONLY
- 22) FILTERS (IF ANY): Coal bed and/or cartridge filters.
- 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: _____

24) CASING AND TUBING PROGRAM

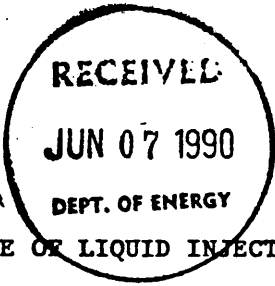
CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor								Kinds Tension
Fresh water								
Coal								Sizes 2-7/8x6-5/8
Intermediate	6-5/8	H-40	17		X	2276'	2276'	Shoulder
Production								Depths set 2270'
Tubing	2-7/8	J-55	6.4	X		2270'	2270'	Packer
Liners	5-1/2	H-40	14		X	226'	226'	Perforations: Top Bottom
	5-1/2	H-40	14		X	215'	215'	
	5-1/2	H-40	14		X	166'	166'	

25) APPLICANT'S OPERATING RIGHTS were acquired from Jasper & Mary Lemasters
by deed _____ / lease / other contract _____ / dated March 23, 1897, of record in the
Tyler County Clerk's office in Deed Book 33 at page 73

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

See Attached

10758



1) Date June 1, 1990
Operator's
2) Well No. JASPER LEMASTERS NO. 2
3) SIC Code _____
4) API Well No. 47 - 095 - 0590-4
State County Permit

STATE OF WEST VIRGINIA
NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

- | | |
|---|---|
| 6) SURFACE OWNER(S) OF RECORD TO BE SERVED | 7 (i) COAL OPERATOR _____
Address _____ |
| (i) Name <u>Jerry Walters</u>
Address <u>Alvy, W. Va. 26322</u> | 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____ |
| (ii) Name <u>Carl E. Walters</u>
Address <u>Alvy, W. Va. 26322</u> | 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____ |
| (iii) Name _____
Address _____ | |

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is _____, 19____.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document 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.

Pennzoil Products Company
Well Operator
By Timothy P. Roush
Its Supervisor, Surveying/Mapping
Telephone 304-422-6565

RECEIVED
OFFICE OF OIL AND GAS

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

AFFIDAVIT OF PLUGGING AND FILLING WELL
JUL 21 1994

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to WV Division of Environment & Protection 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: WALTERS, JERRY, ETAL Operator Well No.: JASPER LEMASTERS #2

LOCATION: Elevation: 1,011.24 Quadrangle:
District: MCELROY County:
Latitude: 300 Feet South of 39 Deg. 27 Min. 30 Sec.
Longitude 8600 Feet West of 80 Deg. 40 Min. Sec.

Well Type: OIL _____ GAS _____ WATER INJECTION X

Company: PENNZOIL PRODUCTS COMPANY Coal Operator N/A
P. O. BOX 5519 or Owner _____
VIENNA, WV 26105 _____

Agent: JAMES A. CREWS Coal Operator _____
Inspector: MIKE UNDERWOOD or Owner _____
Permit Issued: VERBAL 8/5/93 _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____ ss:

Rickey A. Green and Kenneth D. Tolson 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 _____, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6th day of August, 1993, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Gell	2913'	surface	15 bags	
Cement thru 2-3/8	2913'	2361'	100 sks.	
Free Point @ 1000' 4 1/2			975' 4 1/2	1567'
Free Point @ 439' 6-5/8			439' 6-5/8	1837'
Cement thru 2-3/8	1000'	900'	20 sks.	
Cement thru 2-3/8	576'	375'	66 sks.	
Cement	100'	surface	80 sks.	

Description of monument: 1 joint of 6-5/8" 30 inches above surface

and that the work of plugging and filling said well was completed on the 11th day of August, 1993.

And further deponents saith not.

Sworn and subscribe before me this 14th day of July, 1994
My commission expires: 6/10/97

Rickey A. Green
X Kenneth D. Tolson
Notary Public
AUG 19 1994