

FILE NO. 1753
 MAP N47 SQS N1/2 W4/5
 SCALE 1"=800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION THOMPSON HRS *8
= 908'

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) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 29, 19 86
 FARM JASPER LEMASTERS NO. 15
 API WELL NO.

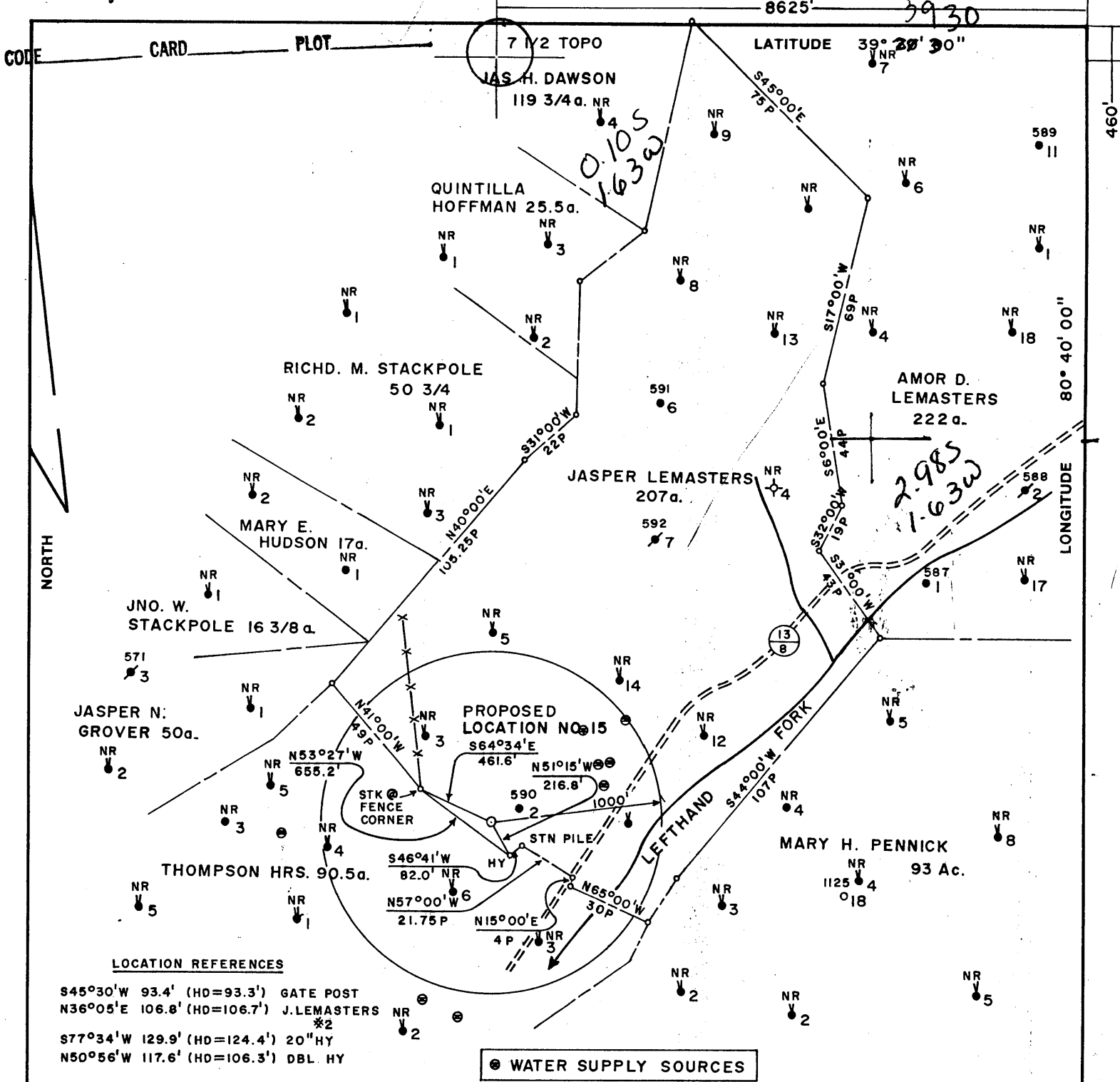
47 - 095 - 1138-LI
 STATE COUNTY PERMIT

CANCELLED

(+) 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 1012' WATER SHED LEFTHAND FORK
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE CENTERPOINT 7 1/2
 SURFACE OWNER LYLA R. DAWSON ACREAGE 86.44
 OIL & GAS ROYALTY OWNER DON E. RIDDLE LEASE ACREAGE 207
 LEASE NO. RG 2171-00
 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 GORDON ESTIMATED DEPTH 2965'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 1588 ADDRESS P.O. BOX 1588
673 ADDRESS PARKERSBURG, W.V. 26101
 ADDRESS PARKERSBURG, W.V. 26101

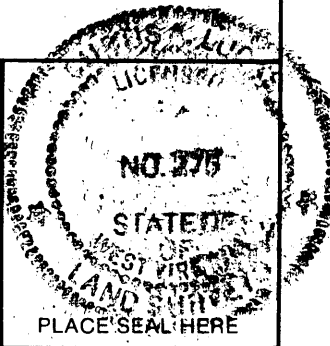
FORM IV-6 (8-78)
 H. T. HALL

TYLER 1138-LI



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 LOCATION: ELEVATION 1012' WATER SHED LEFTHAND FORK
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE CENTERPOINT 712 286 022 NW1
 SURFACE OWNER LYLA R. DAWSON ACREAGE 86.44
 OIL & GAS ROYALTY OWNER DON E. RIDDLE LEASE ACREAGE 207
 LEASE NO. RG 2171-00
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673 PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

JUL 14 1986

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

1) Date: May 29, 19 86

2) Operator's Well No. J. Lemasters #15

3) SIC Code _____

4) API Well NO. 47 - 095 - 1138-LI
State County Permit

5) UIC Permit No. _____



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

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

RECEIVED
JUN 2 1986

DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY

- 6) WELL TYPE: Liquid injection / Gas injection (not storage) _____ / Waste disposal _____
- 7) LOCATION: Elevation: 1012 Watershed: _____
District: McElroy County: Tyler Quadrangle: Centerpoint 7.5'
- 8) WELL OPERATOR Pennzoil Company 9) DESIGNATED AGENT James A. Crews
Address P.O. Box 1588 Address P.O. Box 1588
Parkersburg, WV 26102 Parkersburg, WV
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Lowther
Address General Delivery
Middlebourne, WV
- 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 419 Depth 2890 feet(top) to 2910 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 2965 ft.
- 15) Approximate water strata depths; Fresh, 100 feet; salt, 1612 feet.
- 16) Approximate coal seam depths: 812
- 17) Is coal being mined in the area? Yes _____ / No /
- 18) Virgin reservoir pressure in target formation 1260 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 2332 psi
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh/produced water treated with 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
Fresh water	7	H-40	20#	X		862	862	Cement to surface	Sizes
Coal									
Intermediate									
Production	4-1/2	J55	9.5	X		2965	2965	250 sacks	Depths set
Tubing								50/50 posmix	
Liners									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.