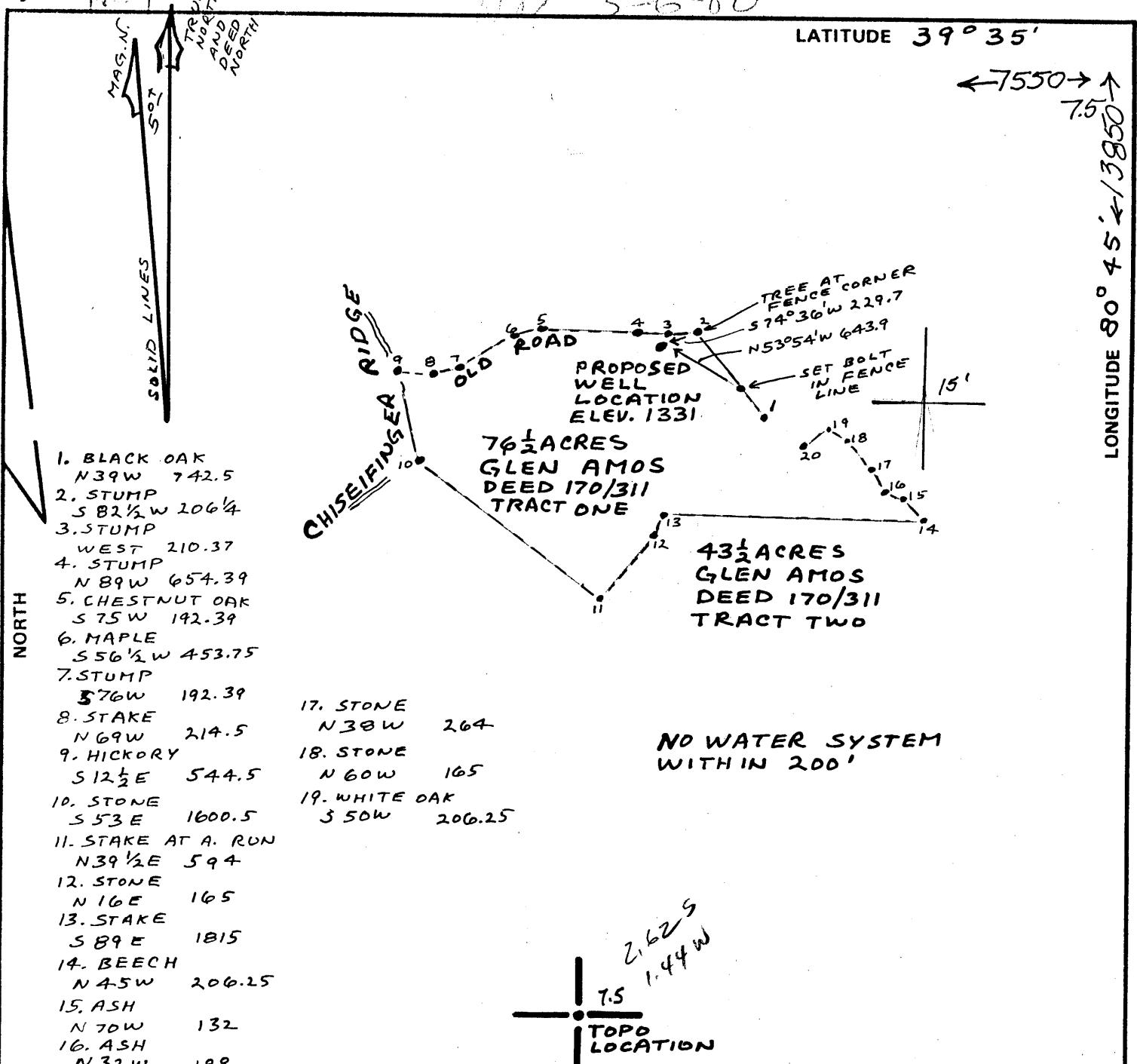


117 5-6-80

LATITUDE 39° 35'

← 7550 →
7.5
LONGITUDE 80° 45' / 3950

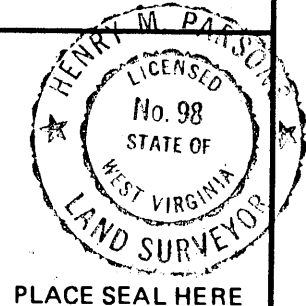


- 1. BLACK OAK N39W 742.5
- 2. STUMP S 82 1/2 W 206 1/4
- 3. STUMP WEST 210.37
- 4. STUMP N 89 W 654.39
- 5. CHESTNUT OAK S 75 W 192.39
- 6. MAPLE S 56 1/2 W 453.75
- 7. STUMP S 76 W 192.39
- 8. STAKE N 69 W 214.5
- 9. HICKORY S 12 1/2 E 544.5
- 10. STONE S 53 E 1600.5
- 11. STAKE AT A. RUN N 39 1/2 E 594
- 12. STONE N 16 E 165
- 13. STAKE S 89 E 1815
- 14. BEECH N 45 W 206.25
- 15. ASH N 70 W 132
- 16. ASH N 32 W 198

- 17. STONE N 38 W 264
- 18. STONE N 60 W 165
- 19. WHITE OAK S 50 W 206.25

FILE NO. 78-5278
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION INTERSECTIONS
1224 #1263 ON PORTERS FALLS TOPO MAP

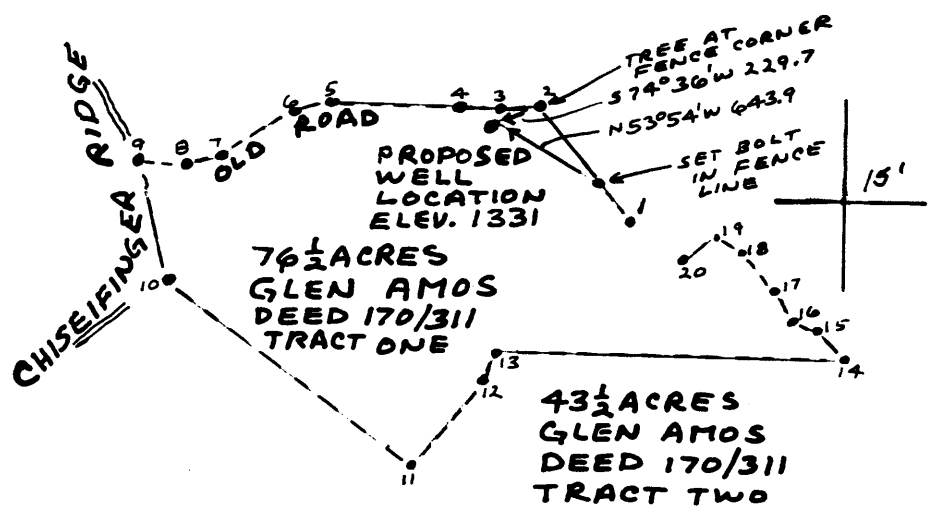
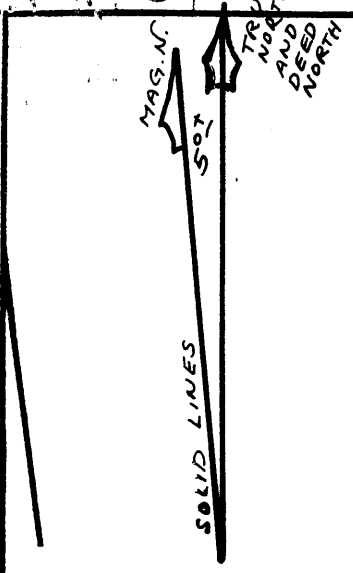
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Henry M. Parsons
R.P.E. _____ L.L.S. 98



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6 (8-78)

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION
DATE APRIL 25, 1980
OPERATOR'S WELL NO. AMOS #1
API WELL NO. 103
47 - WETZEL 1177-P
STATE COUNTY PERMIT
Plugging Permit Cancelled

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 1331 WATER SHED STATE ROAD RUN
DISTRICT GREEN COUNTY WETZEL
QUADRANGLE PORTERS FALLS 75 NEW MARTINSVILLE 15'
SURFACE OWNER GLEN AMOS ACREAGE 76 1/2
OIL & GAS ROYALTY OWNER Glen Amos LEASE ACREAGE 150
LEASE NO. _____
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 DEVONIAN SHALE ESTIMATED DEPTH 5900
WELL OPERATOR The Carter-Jones Lumber Co. DESIGNATED AGENT Gary L Rymer
ADDRESS 601 Tallmadge Road Kent, Ohio 44240 ADDRESS P.O. Box 236 Middlebourne West Virginia 26149



- NORTH**
1. BLACK OAK
N39W 742.5
 2. STUMP
S82 1/2 W 206 1/4
 3. STUMP
WEST 210.37
 4. STUMP
N89W 654.39
 5. CHESTNUT OAK
S75W 192.39
 6. MAPLE
S56 1/2 W 453.75
 7. STUMP
S76W 192.39
 8. STAKE
N69W 214.5
 9. HICKORY
S12 1/2 E 544.5
 10. STONE
S53E 1600.5
 11. STAKE AT A. RUN
N39 1/2 E 594
 12. STONE
N16E 165
 13. STAKE
S89E 1815
 14. BEECH
N45W 206.25
 15. ASH
N70W 132
 16. ASH
N32W 198

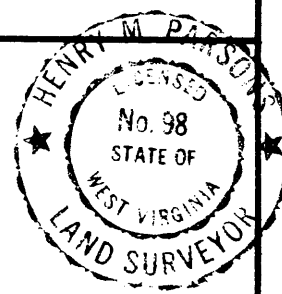
17. STONE
N38W 264
18. STONE
N60W 165
19. WHITE OAK
S50W 206.25

NO WATER SYSTEM WITHIN 200'



FILE NO. 78-5278
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION INTERSECTIONS 1224 & 1263 ON PORTERS FALLS TOPO MAP

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) Henry M. Parsons
 R.P.E. _____ L.L.S. 98



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

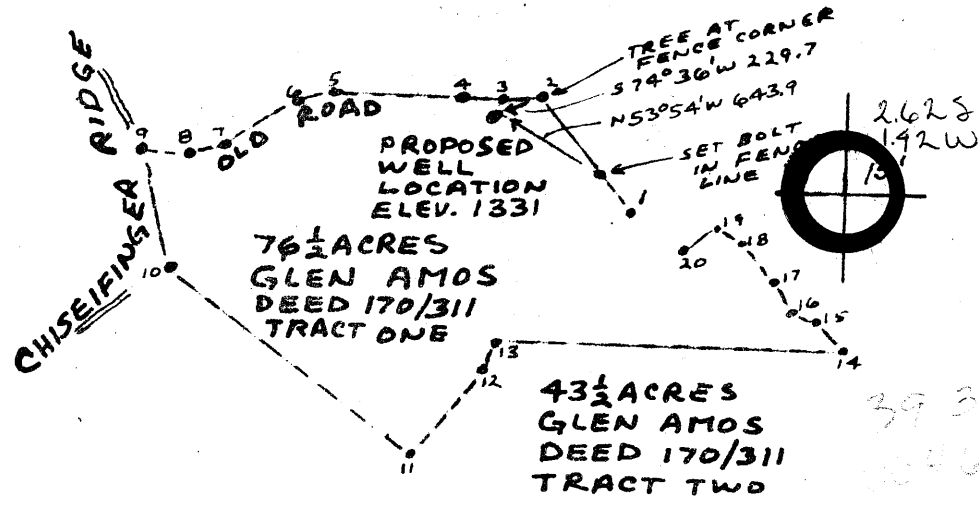
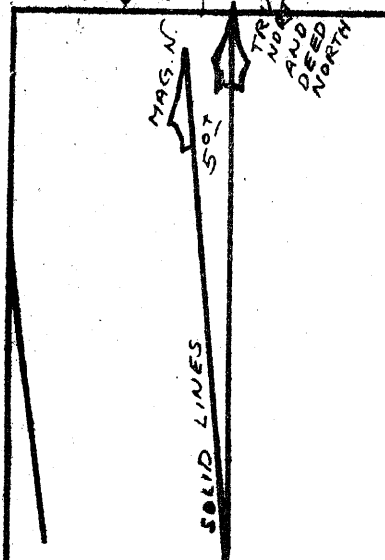


DATE APRIL 25, 1980
 OPERATOR'S WELL NO. AMOS #1
 API WELL NO. 105
47 - WETZEL 1177-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1331 WATER SHED STATE ROAD RUN
 DISTRICT GREEN COUNTY WETZEL
 QUADRANGLE PORTERS FALLS 7.5 NEW MARTINSVILLE 15'
 SURFACE OWNER GLEN AMOS ACREAGE 76 1/2
 OIL & GAS ROYALTY OWNER Glen Amos LEASE ACREAGE 150
 LEASE NO. _____
 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 DEVONIAN SHALE ESTIMATED DEPTH 5900
 WELL OPERATOR The Carter-Jones Lumber Co. DESIGNATED AGENT Gary L Rymer
 ADDRESS 601 Tallmadge Road ADDRESS P.O. Box 236
Kent, Ohio 44240 Middlebourne West Virginia 26149

JUN 14 1982



- 1. BLACK OAK N 39 W 742.5
- 2. STUMP S 82 1/2 W 206 1/4
- 3. STUMP WEST 210.37
- 4. STUMP N 89 W 654.39
- 5. CHESTNUT OAK S 75 W 192.39
- 6. MAPLE S 56 1/2 W 453.75
- 7. STUMP S 76 W 192.39
- 8. STAKE N 69 W 214.5
- 9. HICKORY S 12 1/2 E 544.5
- 10. STONE S 53 E 1600.5
- 11. STAKE AT A. RUN N 39 1/2 E 594
- 12. STONE N 16 E 165
- 13. STAKE S 89 E 1815
- 14. BEECH N 45 W 206.25
- 15. ASH N 70 W 132
- 16. ASH N 32 W 198

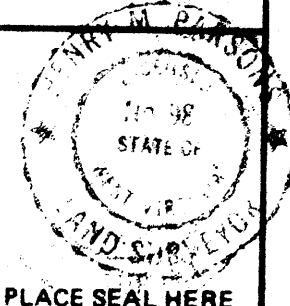
- 17. STONE N 38 W 264
- 18. STONE N 60 W 165
- 19. WHITE OAK S 50 W 206.25

NO WATER SYSTEM WITHIN 200'

39 32 45
80 46 35

FILE NO. 78-5278
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION INTERSECTIONS
1234 & 1263 ON PORTERS FALLS TOPO MAP

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) Henry M. Parsons
 R.P.E. _____ L.L.S. 9B



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE APRIL 25, 1980
 OPERATOR'S WELL NO. AMOS #1
 API WELL NO. _____
47 - WETZEL 1177
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1331 WATER SHED STATE ROAD RUN
 DISTRICT GREEN COUNTY WETZEL
 QUADRANGLE PORTERS FALLS 75 NEW MARTINSVILLE 1515E
 SURFACE OWNER GLEN AMOS ACREAGE 76 1/2
 OIL & GAS ROYALTY OWNER Glen Amos LEASE ACREAGE 150
 LEASE NO. _____
 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 DEVONIAN SHALE ESTIMATED DEPTH 5900
 WELL OPERATOR The Carter-Jones Lumber Co. DESIGNATED AGENT Gary L Rymer
 ADDRESS 601 Tallmadge Road Kent, Ohio 44240 ADDRESS P.O. Box 236 Middlebourne West Virginia 26149

MAY 10 1982

FORM IV-35
(Obverse)

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES AND GAS DIVISION

Date December 19, 1981

Well No. 6 Area #1

[08-78]

WELL OPERATOR'S NAME

APPROVAL NO. 103

WELL NO. 6 AREA #1

WELL TYPE: Oil Gas Liquid Injection _____ Waste Disposal _____
 (1) "Gas", Production Underground Storage _____ Deep _____
 LOCATION: Elevation: 1331 Watershed: STATE ROAD RUN
 District: GREEN County: WETZEL Quadrangle: PORTER FALLS

WELL OPERATOR: THE CARTER-JONES LUMBER COMPANY DESIGNATED AGENT: GARY L RYMER
 Address: 601 TALLMADGE ROAD Address: P O BOX 236
 KEVY OH 44240 MIDDLEBORNE WV

WELL LOG: Drill Convert _____ Drill deeper _____ Ream _____
 Plug off old formation _____ Perforate new formation _____
 Other special change in well (specify) _____

WELL IS PLUGGED ON 05/06/80, 19____ OIL & GAS INSPECTOR FOR DEPT. OF MINES
 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REAMING. VERBAL PERMISSION OBTAINED Name: PHIL TRACY
 Address: PT #2 ALMA WV 26010

GEOLOGICAL TARGET FORMATION: DEVONIA SHALE Depth: 5811' feet Rotary Cable Tools _____
 Fresh strata depth: Fresh, none feet; salt, 1650' feet.
 Is coal being mined in the area? no
 Started on 07/07/80, 19____, and completed 07/19/80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic Feet)	
	Size	Grade	Weight per ft	New	Used	For drilling		Left in well
Explor	8 5/8"	23#		XX		1501'	1501'	350sxs
Production	4 1/2"	30.5#		XY		3001'	3001'	350sxs

FORMATION: BEREA & GURDON COMINGLED
 Initial gas flow, _____ Measured Oil: 1 gal per flow, _____
 Final gas flow, _____ Final oil flow, trace
 Initial water flow, _____ Final water flow, _____
 Initial acid flow, _____ Final acid flow, _____
 Initial sand flow, _____ Final sand flow, _____

MAY 17 1982

TAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL PROPERTIES, ETC.

Frac w/ 175bbl wtr & 533 MCF Nitrogen & 640 sxs 20-40 sand

- PERFS
 3137½' - 39½' (3)
 3130½' - 32½' (3)
 3107½' - 13½' (5)
 3059½' - 65½' (6)

LL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Big lime			2220	2336	
Big Injun			2352	2526	
Weir			2630	2750	
Berea			2874	2880	
Gordon Stray			3062	3072	
Gordon			3110	3146	
Warren			3784	3838	
Benson <i>HURON</i>			5343	5352	
TD			5811		

(Attach separate sheets to complete as necessary)

~~The Carter-Jones Lumber Company~~
Well Operator

By *Gene C Daley*
Gene C Daley
Its Assistant Vice President

nkd

18- Resolution of the Board of Directors of the Carter-Jones Lumber Company, Inc. is hereby adopted, to wit: "The Carter-Jones Lumber Company, Inc. hereby authorizes the drilling of a well."

Operator's Well No. Amos #1
API Well No. 42 - 103 - 1177
State County Family

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil Gas
(If "Gas", Production Underground storage Deep Shallow
LOCATION: Elevation: 1331 Watershed: State Road Run
District: Green County: Wetzel Quadrangle: Porter Falls

WELL OPERATOR CARTER JONES LUMBER CO.
Address GAS AND OIL DIVISION
601 TRINIDAD RD.
Kent, Ohio 44240

DESIGNATED AGENT Cary L. Rymer
Address P.O. Box 234
Middlebourne W Va

ROYALTY OWNER Glen Amos
Address New Martinsville
W Va
Acreage 150

COAL OPERATOR No Coal Operator
Address _____

SURFACE OWNER Same as above
Address _____
Acreage _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address No Coal

FIELD SALE (IF MADE) TO:
Name not yet determined
Address _____

Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phil Tracey
Address Rt 23
Alma W Va 26320

COAL LESSEE WITH DECLARATION ON RECORD:
Name No Coal Lessee
Address _____

RECEIVED
MAY - 5 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas production at _____ location under a deed _____ / lease _____ / other contract dated 3/7/80, 19____, to the undersigned well operator from Carter AED Farmout Agreement

[If said deed, lease, or other contract has been recorded:] FC Agreement not recorded
Recorded on _____, 19____, in the office of the Clerk of the County Commission of _____ County, West Virginia, in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill Drill deeper Redrill Fracture or stimulate
Plug off old formation Perforate new formation
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-2 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and declaration plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia. No Coal Operator

The Carter Jones Lumber Co.
Well Operator

PLEASE PRINT COPIES OF ALL GEOLOGICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1400 SOUTH MAIN STREET, FIFTH FLOOR
HARRISBURG, WV 26030

BLANKET BOND

By Phil Tracey
Inspector

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22 OF THE W. VA. CODE, THE LOCATION IS HEREBY APPROVED FOR DRILLING OPERATIONS TO BE COMMENCED BY 1-13-81. This permit shall expire if operations have not commenced by 1-13-81.
 Deputy Director - Oil & Gas Division

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY. ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-2.

DILLING CONTRACTOR (IF KNOWN) Not Yet Determined
 Address _____

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 5900 feet Rotary Cable tools

Approximate water strata depths: Fresh 50-100 feet; salt, 1500 feet.

Approximate coal seam depths: No Coal Is coal being mined in the area? Yes No

DRILLING AND TUBING PROGRAM

DRILLING 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	4" N ⁷ / ₈				X	410'	410'		Kinds <u>NA</u>
Fresh water	5"		20#	X		1450	1450	cmf to suit	
Intermediate									Sizes <u>NA</u>
Production	2 1/2" CW 55		10.5#	X		To TD	To TD	cmf in 30' x 2'	Depths set <u>NA</u>
Logging									Perforations: <u>NA</u>
Packers									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

Note: although well is near north line of plotted property the lease under which this well is to be drilled covers the next tract to the north. Therefore the well conforms with good spacing practices

Drilling Band on file with Division Oil & Gas

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

No Coal Operator