

June 6/13/88

5530'

LATITUDE 39° 30' 00"

Page 7 of 7

H. K. HAWKINS 48 AC

J. PETRICK 25.68 AC

PAST N 85° 00' E 1225'

T. K. VANGILDER 15 3/4 AC

N 50° 00' E

1617'

1142'

1794'

TO HALLECK

526° 15' E

H. LAWSON 27 3/4 AC

HARTLEY NO. 1

(95 ACRES)

ROBERT H. HARTLEY 107 ACRES (SURFACE & MINERALS)



(12 ACRES)

W. MATTHEWS 60 AC

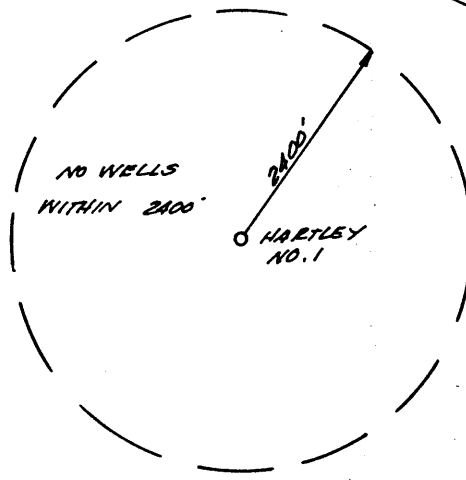
N 66° 00' W

1.455 1.050 W

STONE

E. SUMMERS

NORTH



D. GRAHAM 60 AC

WELL REF:

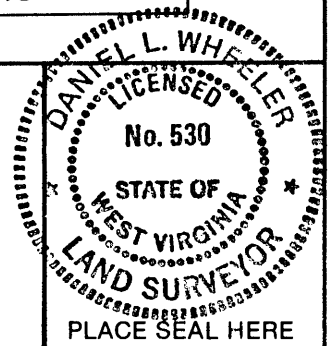
N 34° 10' E 125' POWER POLE & H.I. - 423
S 80° 15' E 226' GATE POST

D.L. WHEELER & ASSOCIATES, INC.
RT. 1, BOX 346
CLARKSBURG, WV 26301
PHONE: 304-623-5215

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION U.E. O.A. MILE 3/4 N
SECT. 7 1/4 & 7 3/4 ELEV. 1618'

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



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 7, 19 88
OPERATOR'S WELL NO. HARTLEY NO. 1
API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
LOCATION: ELEVATION 1496' WATERSHED WHITEDAY CREEK
DISTRICT CLINTON 4 COUNTY MONONGALIA
QUADRANGLE GLADESVILLE 7.5' 368 122 Thornton NW
SURFACE OWNER ROBERT H. HARTLEY ACREAGE 107
OIL & GAS ROYALTY OWNER ROBERT H. HARTLEY LEASE ACREAGE 107
LEASE NO. _____

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 BENSON ESTIMATED DEPTH 4100'
WELL OPERATOR PEPPER RESOURCES, INC. DESIGNATED AGENT WALLACE DARDEN
ADDRESS P.O. BOX 569 ADDRESS P.O. BOX 569
CLARKSBURG, WV 26302 1097 CLARKSBURG, WV 26302

JUN 21 1988

DEEP WELL 1-1 unnamed (0)

FORM WW-6 H.T. HALL 4-8573

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: HARTLEY, ROBERT H. Operator Well No.: HARTLEY 1

LOCATION: Elevation: 1496.00 Quadrangle: GLADESVILLE

District: CLINTON County: MONONGALIA
Latitude: 7850 Feet South of 39 Des. 50Min. 0 Sec.
Longitude 5530 Feet West of 79 Des. 57 Min. 30 Sec.

Company: PEPPER RESOURCES, INC.
POST OFFICE BOX 569
CLARKSBURG, WV

Agent: WALLACE G. BARDEN

Inspector: DONALD ELLIS
Permit Issued: 06/13/88
Well work Commenced: 06/17/88
Well work Completed: 07/28/88
Verbal Plugging
Permission granted on:
Rotary Cable _____ Rig
Total Depth (feet) 7,992
Fresh water depths (ft) _____
160'
Salt water depths (ft) _____
990'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	817	817	Surface
4-1/2"	0	7,692	336 ft ³

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DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Huntersville Chert Pay zone depth (ft) 7512-7718
 Gas: Initial open flow -0- MCF/d Oil: Initial open flow -0- Bbl/
 Final open flow 296 MCF/d Final open flow -0- Bbl/
 Time of open flow between initial and final tests 48 Hour
 Static rock Pressure 2060 psig (surface pressure) after 336 Hour

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
 Final open flow _____ MCF/d Final open flow _____ Bbl/
 Time of open flow between initial and final tests _____ Hour
 Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE 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: PEPPER RESOURCES, INC. *Barry Lay*

MAR 31 1989

By: Barry Lay, P.E., Consultant
Date: September 9, 1988

PERFORATIONS 20 - 0.39 Holes 7523-7580

STIMULATION - 1400 gallons 28% HCL, 1200 Bbls. water, 10,000 Lb. 80/100 sand, 90,000 Lb. 20/40 sand.

Sand & Shale	0	836
Big Lime	836	994
Big Injun	994	1071
Shale	1071	1142
Weir	1142	1230
Shale	1230	1354
Gantz	1354	1396
Shale	1396	1454
Sand & Shale Stringers	1454	2079
Shale	2079	2689
Speechly	2689	2699
Shale	2699	2932
Balltown	2932	3529
Riley	3529	3924
Benson	3924	3930
Shale	3930	4039
Alexander	4039	4097
Elks	4097	4707
Shale	4707	7094
Tully Lime	7099	7165
Shale	7165	7405
Marcellus Shale	7405	7501
Onondoga Lime	7501	7513
Huntersville Chert	7513	7707
Oriskany Sand	7707	7803
Helderberg	7803	7992

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

MAR 31 1989

7195

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

- 1) Well Operator: ¹⁰⁹⁷ Pepper Resources 10710, 4, 368
- 2) Operator's Well Number: Hartley No. 1 3) Elevation: 1496
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 4,100 feet
- 7) Approximate fresh water strata depths: 40', 200', 300'
- 8) Approximate salt water depths: 220
- 9) Approximate coal seam depths: 160-165, 200-205 @ 450-454
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work:
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4"	H	40	40'	0	0
Fresh Water	8 5/8"	H	20	800'	800	To surface
Coal						38CSR18-11.3 38CSR18-11.2.2
Intermediate						
Production	4 1/2"	J	10.5		4,100	38CSR18-11.1 400 sks.
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

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For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: 17 Well Work Permit 17 Reclamation Fund 17 WPCP
 Plat 17 WW-9 17 WW-2B 17 Bond 50 Blanket Agent 17
 (Type)

1195
460 & 119

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 1) Date: June 8, 1988
- 2) Operator's well number
Hartley No. 1
- 3) API Well No: 47 - 0601 - 0868
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Robert A. Hartley
Address Route #5 Box 527
Morgantown, W. Va. 26505
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector _____
Address _____
Telephone (304)- _____

- 5) (a) Coal Operator:
 - Name N/A
 - Address _____
- (b) Coal Owner(s) with Declaration
 - Name N/A
 - Address _____
- (c) Coal Lessee with Declaration
 - Name N/A
 - Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

X Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

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 7 on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- _____ 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 Pepper Resources
 By: Wallace G. Darden Wallace G. Darden
 Its: Agent
 Address P. O. Box 569
Clarksburg, WV 26302
 Telephone (304) 457-1979

Subscribed and sworn before me this 8th day of June, 1988

W. E. Hall Notary Public
 My commission expires 18 May 1991