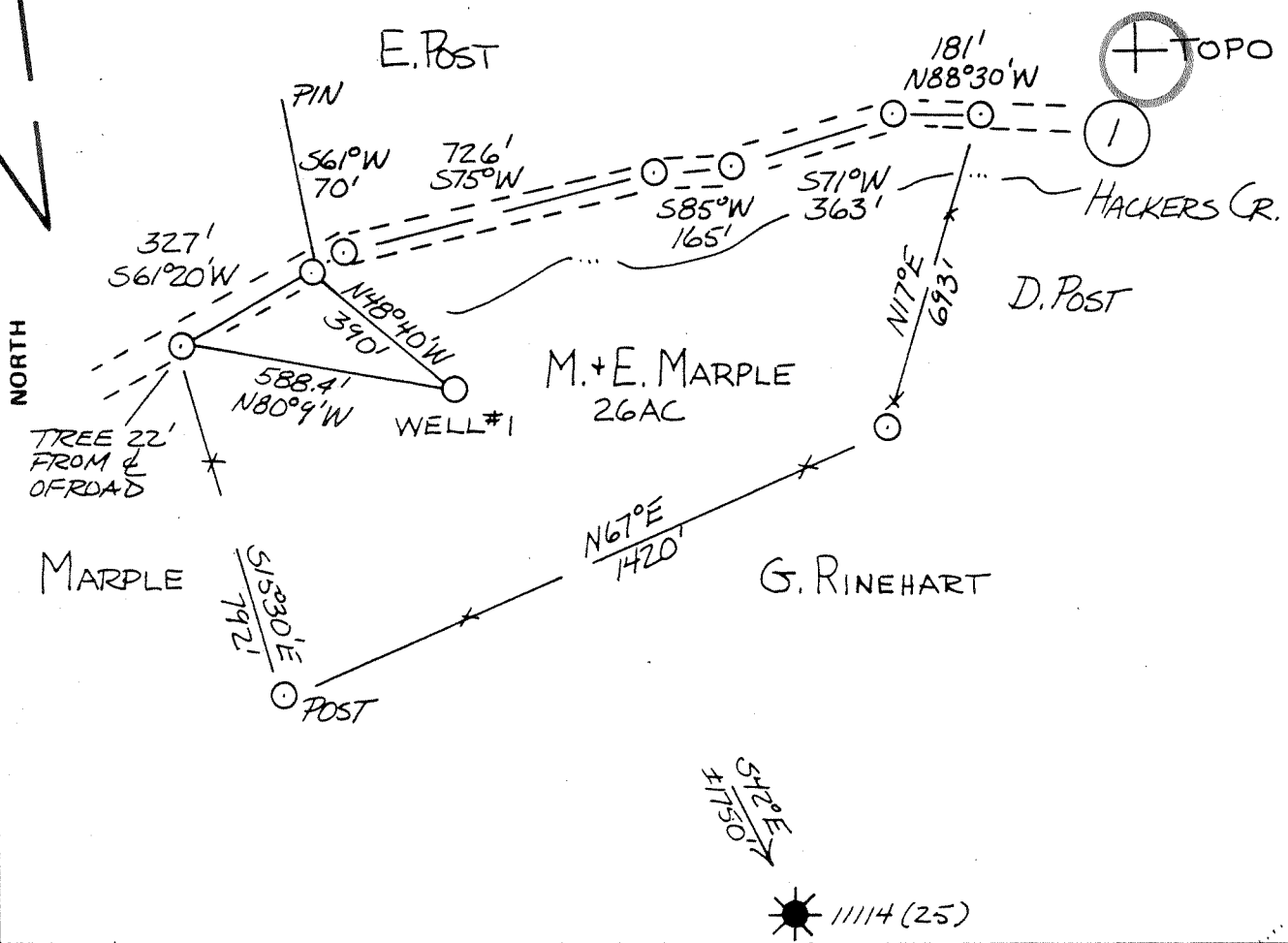


15' loc
1.005
0.65W
1005
0.65W

LONGITUDE 80°15' 5200'



FILE NO. 2-27-82
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM ± 2000'
NE (1096)

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) Walter P. Lepout
 R.P.E. 7410 L.L.S. _____

PLACE SEAL HERE

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



DATE FEB 27, 1982
 OPERATOR'S WELL NO. _____
 API WELL NO. 47-097-2405-Rev.
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1121 WATER SHED HACKERS CREEK
 DISTRICT WARREN COUNTY UPSHUR
 QUADRANGLE BERLIN 7 1/2 WESTON 15 SE
 SURFACE OWNER M.A. MARPLE + E. MARPLE ACREAGE 26
 OIL & GAS ROYALTY OWNER M.A. MARPLE + E. MARPLE LEASE ACREAGE 26
 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 TK ESTIMATED DEPTH 2550
 WELL OPERATOR HYDROCARBON ENERGIES INC DESIGNATED AGENT HYDROCARBON ENERGIES INC
 ADDRESS RT#4 BOX 444 ADDRESS RT#4 BOX 444
BUCKHANNON, W. VA. BUCKHANNON, W. VA.



IV-35
(Rev 8-81)

RECEIVED

JAN 28 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date March 11, 1982
Operator's
Well No. 117-S
Farm M. Marple 26 ac
API No. 47-097-2405

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1121 Watershed Hackers Creek
District: Warren County Upshur Quadrangle Berlin 7.5

COMPANY Stonewall Gas Company

ADDRESS PO Drawer F, Buckhannon, WV 26201

DESIGNATED AGENT X. Dennis Xander

ADDRESS PO Drawer F, Buckhannon, WV 26201

SURFACE OWNER M. A. & E. Marple

ADDRESS Buckhannon, WV, 26201

MINERAL RIGHTS OWNER M. A. & E. Marple

ADDRESS Buckhannon, WV 26201

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Stewart ADDRESS Jane Lew, WV

PERMIT ISSUED 2-2-82

DRILLING COMMENCED 3-2-82

DRILLING COMPLETED 3-6-82

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8		797	180 Sks to surface
7			
5 1/2			
4 1/2		2458.15	390 Sks. 800-2466
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION 5th Sand Depth 2295 feet

Depth of completed well 2568 feet Rotary X / Cable Tools

Water strata depth: Fresh 110 feet; Salt feet

Coal seam depths: 233, 293, 655 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation 4th & 5th Sands Pay zone depth 2208-2379 feet

Gas: Initial open flow smell Mcf/d Oil: Initial open flow None Bbl/d

Final open flow 60 Mcf/d Final open flow 4 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 865 psig (surface measurement) after 14 hours shut in
(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Formation	Perfs	Holes	BRKD	Sand	Av.Pres.	Av.Rate	Fluid	ISIP
4th Sand	2197-2221	14	3700	68,000	2950	34.5	526	2500
5th Sand	2323-2369	12	3300	82,000	2490	37.0	518	2300

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale	gr	s	0	233	
Coal	bl	s	233	236	
Sand & Shales	gr	s	236	293	
Coal	bl	s	293	297	
Shale	gr	s	297	655	
Coal	bl	s	655	661	
Shale	Red & gr	s	661	865	
Sand	wh	h	865	945	
Shale	gr	s	945	1060	
Sand	wh	h	1060	1140	
Shale	gr	s	1140	1470	
Big Lime	br	h	1470	1530	
Big Injun	wh	h	1530	1665	
Shale	gr	s	1665	1780	1½" stream H ₂ O at 1620
Sand	wh	h	1780	2010	Show oil at 1748
Siltstone	br	m	2010	2200	Odor gas at 1998
Sand 4th	wh	h	2200	2240	
Shale	gr	s	2240	2290	
Sand 5th	wh	h	2290	2395	
Shale	gr	s	2395	2568	
TD				2568	

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator
 By: Benji A. Handberg, V.P.
 Date: MAY 25 1982

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including sand, encountered in the drilling of a well."



Well No. # 1
Farm M. A. Marple 26ac
API #47 - ~~033-2751~~ (47-097-2405)
Date 1-28-82

(CORRECTED PERMIT NUMBER)

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage ___ / Deep ___ / Shallow)

LOCATION: Elevation: 1121 Watershed: Hackers Creek
District: Warren County: ~~Harrison~~ UPSHUR Quadrangle: Berlin 7½

WELL OPERATOR Hydrocarbon Energies, Inc.
Address Rt. 4, Box 444
Buckhannon, WV 26201

DESIGNATED AGENT Alvin Sorcan
Address Rt. 4, Box 444
Buckhannon, WV 26201

OIL AND GAS ROYALTY OWNER M. A. & E. Marple
Address 7 Rustic Drive
Buckhannon, WV 26201
Acreage 33

COAL OPERATOR
Address

SURFACE OWNER M. A. & E. Marple
Address Same as above
Acreage 33

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME M. A. Marple
Address same as Royalty Owner

FIELD SALE (IF MADE) TO:
NAME
Address

NAME
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Stewart
Address P. O. Box 345
Jane Lew, WV 26378
Telephone 884-7782

COAL LESSEE WITH DECLARATION ON RECORD:
NAME
Address

RECEIVED
FEB 2 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease / other contract ___ / dated 11/1, 1981, to the undersigned well operator from M. A. Marple

(If said deed, lease, or other contract has been recorded:)

Recorded on Dec 23, 1981, in the office of the Clerk of County Commission of UPSHUR County, West Virginia, in 65 Book at page 601. 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 §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25302
Telephone - 304/348-3092

BLANKET BOND

Well Operator
By: Alvin Sorcan
Its: _____

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION 5th Sand

Estimated depth of completed well 2550 feet. Rotary X / Cable tools /

Approximate water strata depths: Fresh, 35 feet; salt, feet.

Approximate coal seam depths: None

Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

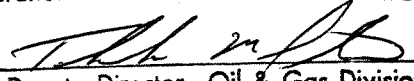
CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL- UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling		
Conductor	11 3/4					30		Kinds
Fresh water								
Coal								Sizes
Intermed.	8 5/8		23	X		800	800	To Surface
Production	4 1/2		9 1/2	X			2550	300 Sks
Tubing								Depths set
Liners								Perforations:
								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-9, "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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 10-17-82.


Deputy Director - Oil & Gas Division

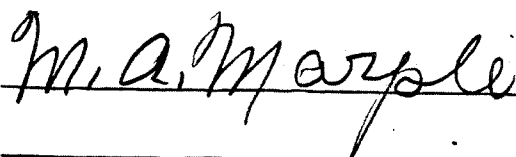
The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

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 regularions.

Date: 2/8, 1982.

By: _____



Its: COAL OWNER