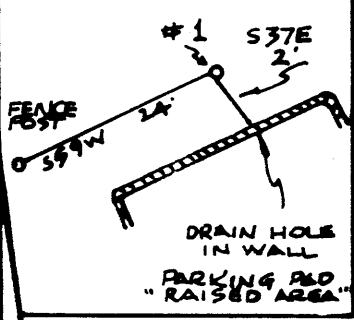


45 1/06/86

7060' 40" 40"

LATITUDE 40° 37' 30"

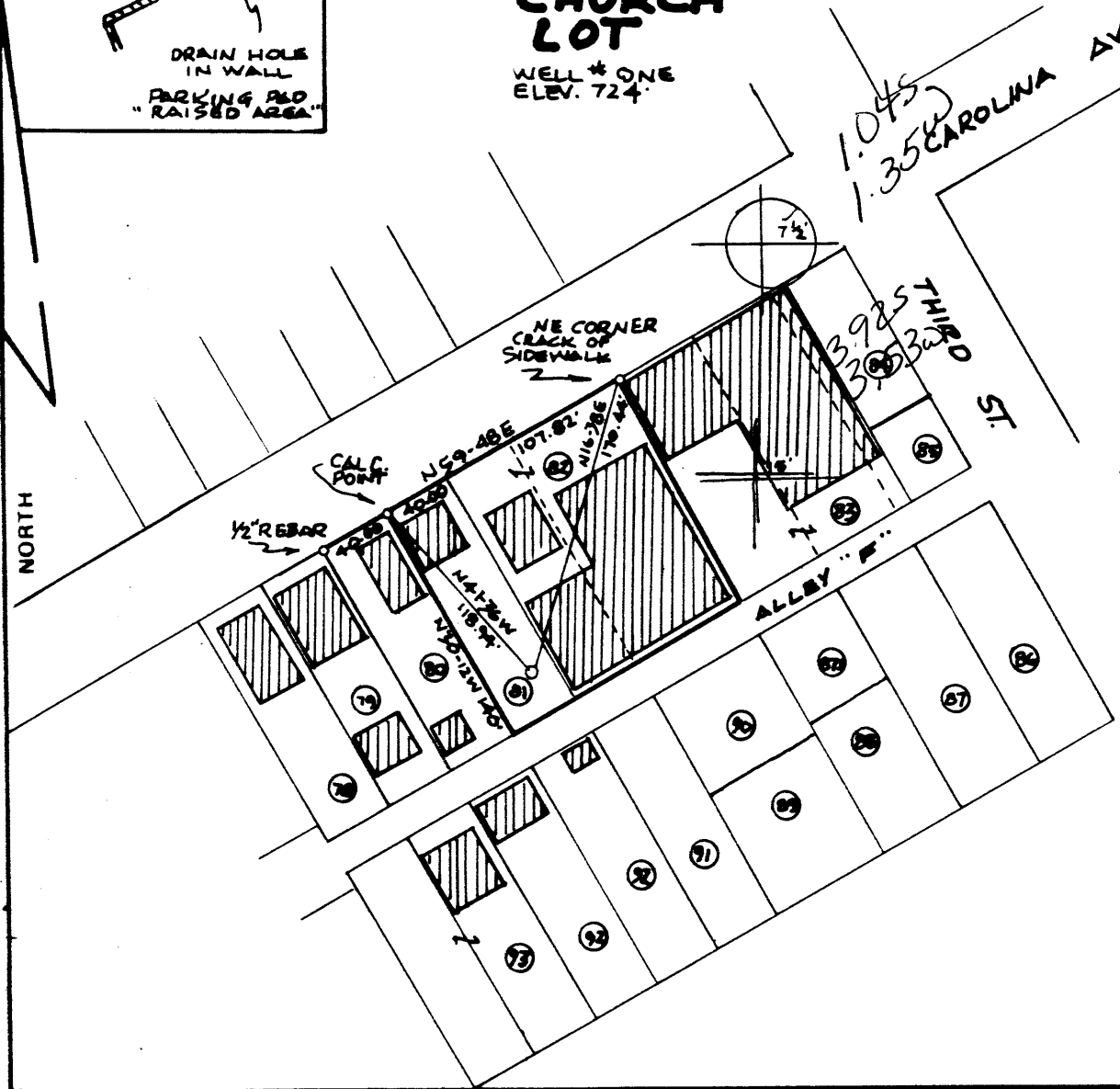
CODE _____ CARD _____ PLOT _____



FIRST UNITED METHODIST CHURCH LOT

WELL # ONE
ELEV. 724'

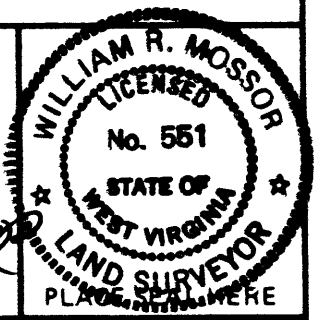
LONGITUDE 80° 32' 30"
5490'



- 79 - C. RANK
- 80 - R. HEATHERINGTON
- 81 - M. B. CLURCH
- 82 - "
- 83 - R. SMOOT
- 84 - R. BOYCE
- 85 - M. ROBINSON
- 86 - R. ROBINSON
- 87 - R. SHINGLER
- 88 - EDNA GOUBY
- 89 -
- 90 -
- 91 -
- 92 -
- 93 -

FILE NO. M. B. 1-3
DRAWING NO. _____
SCALE 1" = 100'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION STREET ELEV. 716'

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) William R. Mossor
R.P.E. _____ L.L.S. 551



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



DATE 24 DECEMBER, 19 85
OPERATOR'S WELL NO. ONE
API WELL NO. 47-029-0124
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 724' WATER SHED CUNNINGHAM RUN
DISTRICT CHESTER CORP Grant 3 COUNTY HANCOCK
QUADRANGLE EAST LIVERPOOL SOUTH 230 131 ECG Wellsville
SURFACE OWNER FIRST UNITED METHODIST ACREAGE LOT- 40 X 140'
OIL & GAS ROYALTY OWNER FIRST UNITED METHODIST LEASE ACREAGE LOT- 40' x 140'
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 LOWER DEVONIAN ESTIMATED DEPTH 6-0 4000' Chester-Pughtown (3) 1.2 1000'
WELL OPERATOR FIRST UNITED METHODIST DESIGNATED AGENT LAWRENCE CULLIFER
ADDRESS 240 CAROLINA AVE CHESTER, W.VA. 26034 ADDRESS R.D. 1 Box 30 CHESTER, W.VA. 26034



MAR 28 1986

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date March 25, 1986
Operator's
Well No. (1) ONE
Farm Lot No. 256
API No. 47 - 029 - 0124

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 X)

LOCATION: Elevation: 724 Watershed Cunningham Run
District: Chester Corp County Hancock Quadrangle East Liverpool-South

COMPANY First United Methodist Church
ADDRESS 240 Carolina Ave., Chester, W.Va.
DESIGNATED AGENT Lawrence Cullifer
ADDRESS R. D. #1, Box 30, Chester, W.Va.
SURFACE OWNER First United Methodist Church
ADDRESS 240 Carolina Avenue, Chester, W.Va.
MINERAL RIGHTS OWNER SAME
ADDRESS SAME
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis
ADDRESS Fairmont, W. Va.
PERMIT ISSUED January 7, 1986
DRILLING COMMENCED February 12, 1986
DRILLING COMPLETED March 17, 1986

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	21'	21'	Conductor
7	58'	58'	Drive Pipe
5 1/2	450'	450'	To Surface.
4 1/2			
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Berea Sand Depth 540'/558 feet
Depth of completed well 580 feet Rotary ___ / Cable Tools X
Water strata depth: Fresh 90'/120 feet; Salt none feet
Coal seam depths: none Is coal being mined in the area? No.

OPEN FLOW DATA

Producing formation Berea Sand Pay zone depth 550'/566 feet
Gas: Initial open flow 2 Mcf/d Oil: Initial open flow - - - Bbl/d
Final open flow (4) Mcf/d Final open flow - - - Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 100 psig (surface measurement) after 12 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.

Shot well at 550 ft. with 20 quarts of Nitro, and 10 quarts Nitro at 566 ft.

WELL LOG

1

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand	Brown	Soft	0	58'	
Sandstone	brown	M. Hard	58	80'	Fresh water - 90 ft.
Shale	Grey	M. Hard	80	100'	
Sandstone	Grey	Hard	100	130'	Fresh water - 120 ft.
Shale	lite dark grey	M. Hard	130	215'	
Sand	lite grey	Hard	215	250'	
Shale, streaks of lime, and sand.		M. Hard	250	320'	
Shale	lite grey	Soft	320	335'	
Sand & shale, dark grey		M. Hard	335	350'	
Sand	dark grey	Hard	350	365'	
Lime shell & sand-	dark grey	Hard	365	378'	
Shale - dark grey		M. Hard	378	420'	
Shale & sand, lite grey		Hard	420	440'	
Shale streaks, lime stone,		M. Hard	440	495'	
Black shale		M. Hard	495	532'	
Lime	black	Hard	532	540'	
Sand - Berea, white		Hard	540	558'	
Sand - dark grey		Hard	558	574'	
Shale - dark grey		M. Hard	574	580'	
Total Depth - 580 feet.					

(Attach separate sheets as necessary)

First United Methodist Church

Well Operator

By: Lawrence Cullifer *Lawrence Cullifer*

Date: March 25, 1986

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 ..., encountered in the drilling of a well."



1) Date: Nov 20, 1985
 2) Operator's Well No. #1
 3) API Well No. 47 State 029-0124 County Permit

RECEIVED
DEC - 2 1985

STATE OF WEST VIRGINIA
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY **APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 724 Watershed: Cunningham Run
 District: CHESTER CORP. 623 County: Monroe Quadrangle: Enterprise South
- 6) WELL OPERATOR: First United Methodist 7) DESIGNATED AGENT: Lawrence Calliber
 Address: 240 Carolina Ave. Address: RD 1 # Box 30
Chester, WVA 26034
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Donald Ellis 9) DRILLING CONTRACTOR: Name: C.O. Resources
 Address: Box 191 Chester
WVA 26034
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, LOWER DEVONIAN 401
- 12) Estimated depth of completed well, 4000 feet
 13) Approximate strata depths: Fresh, 55 feet; salt, Yang 320
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes / No

15) 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	Kinds
Conductor	10"	A	40		X	55'	55'	Cement to Surface.	
Fresh water	8"	A	28		X	230'	230'		
Coal	<u>none</u>								
Intermediate	7"	A	20	X		450'	450'		
Production	4 1/2"	A	16 1/2	X		3,500'	3,500'	200 Sacks	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-029-0124 Date January 7 19 86

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires January 7, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>AD</u>	Plat: <u>BS</u>	Casing Fee: <u>MW 4844</u>	WPCP: <u>MW</u>	S&E: <u>MW</u>	Other: <u></u>
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas

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

Rec'd 1/4/85
 [Handwritten notes]