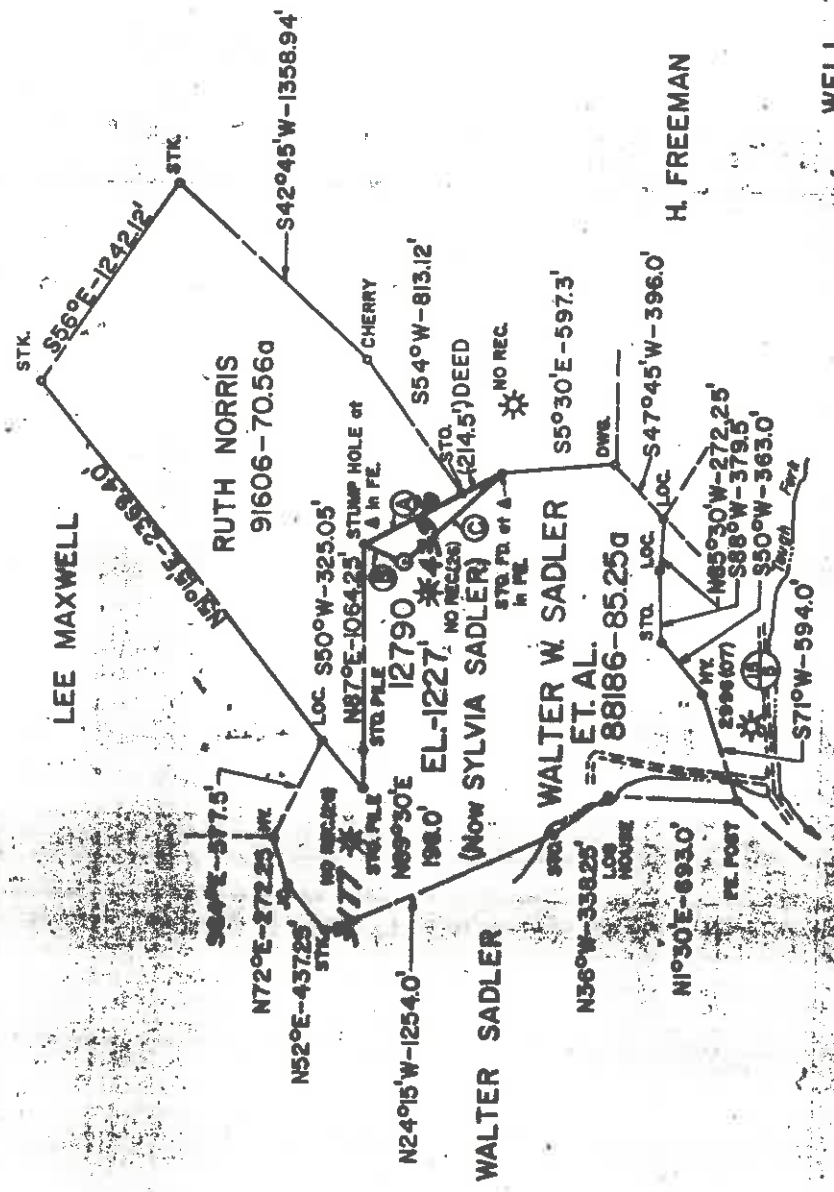
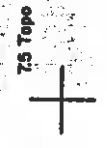


LATITUDE 39°15'00"

LONGITUDE 80°32'30"

0.000
0.000



WELL TIES

- Ⓐ N28°00'W-801'
- Ⓑ S24°44'W-226'
- Ⓒ N43°21'W-687'

UNIT WELL

MAP SHEET Q117133-FF4200197 FB.2136 PG.34-37

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200'
 PROVEN SOURCE OF ELEVATION BM=CG.S.C. PLUGGED WELL 4396, EL. -1184

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) Darrell M Radcliffe
 R.P.E. _____ L.L.S. 74

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE OCTOBER 12, 19 83
 OPERATOR'S WELL NO. 12790
 API WELL NO. _____

47 - 017 - 03267 - P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL X GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1227 WATER SHED TRAUGH FORK OF BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE

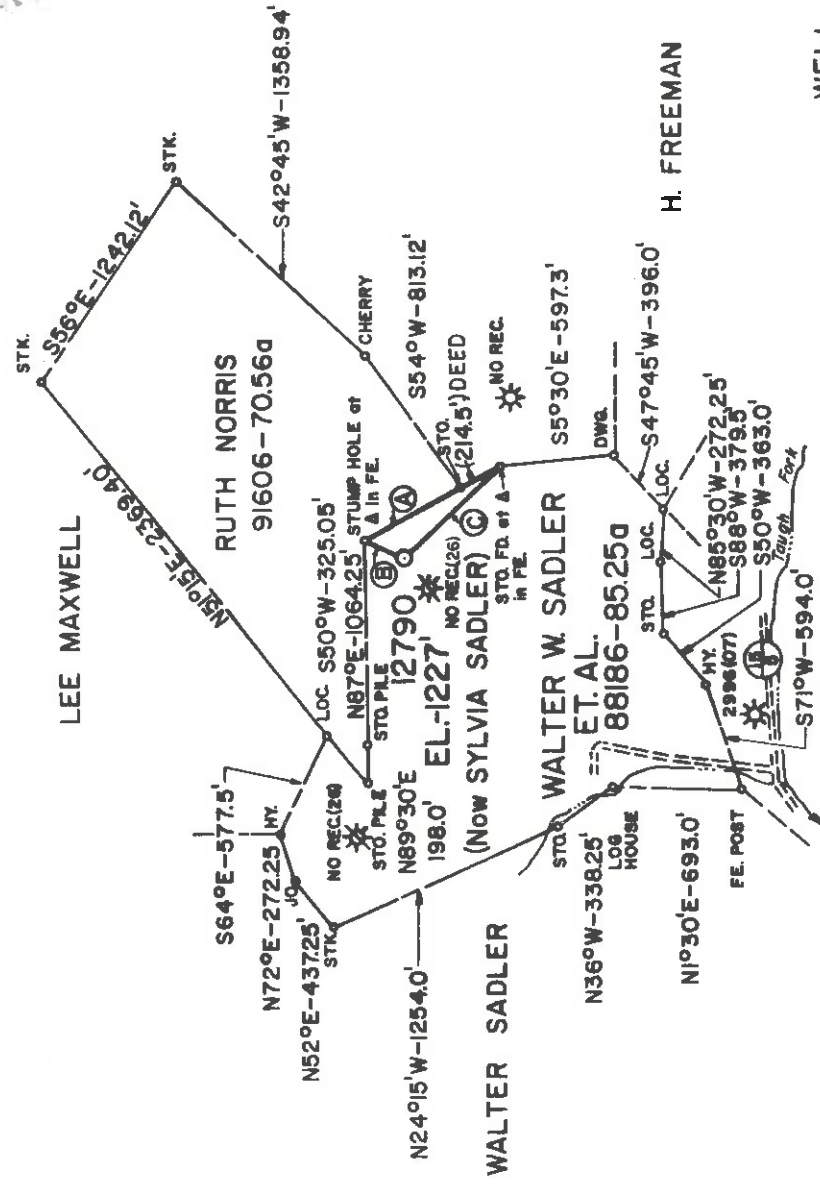
SURFACE OWNER S.W. & W.M. DAVIS (DAN KEARNS) ACREAGE 85.25g
 OIL & GAS ROYALTY OWNER WALTER W. SADLER (NOW SYLVIA SADLER) LEASE ACREAGE 85.25g
 LEASE NO. 88186

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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR CNGT CORP. DESIGNATED AGENT C.E. ROBERTS
 ADDRESS 500 DAVISSON RUN RD. ADDRESS 500 DAVISSON RUN RD.
CLARKSBURG, WEST VIRGINIA CLARKSBURG, WEST VIRGINIA 8463



16' 0.590 3.10W



NORTH

H. FREEMAN

B. DEVERICKS

WELL TIES

- (A) N28°00'W-801'
- (B) S24°44'W-226'
- (C) N43°21'W-687'

UNIT WELL

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200'
 PROVEN SOURCE OF ELEVATION BM=CG.S.C. PLUGGED
 WELL 4396, EL.-1184'

FB.2136 PG.34-37

MAP SHEET Q117133-FF4200197

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) David M Radcliffe R.P.E. _____ L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE OCTOBER 12, 19 83
 OPERATOR'S WELL NO. 12790
 API WELL NO. _____

47 - 017 - 3267
 STATE COUNTY PERMIT
 NOV 21 1983

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1227' WATER SHED TRAUUGH FORK OF BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG SAAC 7.5 2000' VADIE 15' NE
 SURFACE OWNER S.W. & W.M. DAVIS (DAN KEARNS) ACREAGE 85.25g
 OIL & GAS ROYALTY OWNER WALTER W. SADLER (now SYLVIA SADLER) LEASE ACREAGE 85.25g
 LEASE NO. 88186

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 5652
 TARGET FORMATION 3500' ESTIMATED DEPTH
 WELL OPERATOR CON. GAS SUPPLY CORP. DESIGNATED AGENT L.J. TIMMS JR.
 ADDRESS 445 WEST MAIN STREET ADDRESS 445 WEST MAIN STREET
 CLARKSBURG, WEST VIRGINIA CLARKSBURG, WEST VIRGINIA 8463

Freehouses Park - Bristol (196)

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: KERNS, DAVID & CLARA Operator Well No.: 12790

LOCATION: Elevation: 1,227.00 Quadrangle: BIG ISAAC

District: GREENBRIER County: DODDRIDGE
Latitude: 3150 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 4660 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: CNG TRANSMISSION CORP.
445 W. MAIN ST., P.O. BOX 2450
CLARKSBURG, WV 26302-2450

Agent: JAMES D. BLASINGAME

Inspector: MIKE UNDERWOOD
Permit Issued: 08/26/96
Well work Commenced: 11/13/96
Well work Completed: 12/18/96
Verbal Plugging
Permission granted on: _____ Rig
Rotary Cable _____
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation Speechley Pay zone depth (ft) 3684-3784
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation Balltown Pay zone depth (ft) 3930-4079
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow 47 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 500 psig (surface pressure) after 72 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED 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: CNG TRANSMISSION CORP.

By: B. C. [Signature]
Date: 8-01-97

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 11-13-2014 BY 60322 UCBAW

**Uphole recompletion
Stimulated the Speechley and Balltown**

IV-35
(Rev 8-81)



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FEB 2 1 1984

OIL & GAS DIVISION
DEPT. OF MINES
State of West Virginia
Department of Mines
Oil and Gas Division

Date January 10, 1984
Operator's Well No. 12790
Farm Walter M. Sailer
API No. 17-017-3267

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: 1227' Watershed Trough Fork of Buckeye Creek
District: Greenbrier County Doddridge Quadrangle Big Isaac

COMPANY Consolidated Gas Supply Corp.
ADDRESS 1415 W. Main St., Clarksburg, WV
DESIGNATED AGENT L. Joseph Timms, Jr.
ADDRESS 1415 W. Main St., Clarksburg, WV
SURFACE OWNER S. W. & V. M. Davis
ADDRESS Box 1222, Clarksburg, WV 26301
MINERAL RIGHTS OWNER Sylvia Cadler
ADDRESS Cherry Camp Run, Salem, WV 26126

OIL AND GAS INSPECTOR FOR THIS WORK Stephen
Rt. 2, Box 232-D

Casey . ADDRESS Jane Lew, WV 26378

PERMIT ISSUED November 14, 1983

DRILLING COMMENCED November 28, 1983

DRILLING COMPLETED December 5, 1983

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. 11 3/4			
<u>12 1/2</u>	39	32	
9 5/8			
8 5/8	1326	1326	To surface
7			
5 1/2			
4 1/2	5606	5606	225 cks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5367 - 5459 feet

Depth of completed well 5552 feet Rotary X / Cable Tools

Water strata depth: Fresh 55 feet; Salt feet

Coal seam depths: 21'-225 & 517-541 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth Se perf. feet

Gas: Initial open flow 7.5 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 387 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 14 psig (surface measurement) after 14 days 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

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

Perforated: ~~5151-5158~~ with 4 holes, 5132-5138 with 12 holes, 5306-5310 with 4 holes
 and 5302 to 5304 with 2 holes.
OK Fractured with 80,000# sand, 700 hbbs. water and 500 gals. 15% HGL acid.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand & shale		Grey & white	0	55	Including indication of all fresh and salt water, coal, oil and gas
Red Rock		Red	58	46	
Sand & shale		Grey & white	56	43	Gamma Ray Tops
Red Rock		Red	43	32	Little Lime 2113
Sand & shale		Grey & white	89	110	Big Lime 2151
Red Rock		Red	110	120	Big Injun 2210
Sand & shale		Grey	120	130	Gantz 2559
Sand		White	180	210	Fifty Foot 2669
Coal		Black	218	225	Gordon Stray 2759
Shale & sand		Grey	225	225	Gordon - -
Coal		Black	225	225	Gordon 2900
Shale & sand		Black	537	541	Fourth 2921
Coal		Black	537	541	Warren 3438
Shale & Red Rock		Grey & Red	527	527	Warren 3637
Sand		Grey	527	461	Upper Speechley 3771
Shale & Red Rock		Grey	561	489	Speechley 3911
Sand & shale		Grey	609	902	Balltown 4097
Red Rock		Red	902	915	Bradford 4314
Sand & shale		Grey	915	1190	Riley 4917
Red Rock		Red	1170	1215	Benson 5085
Shale & sand		Grey	1215	2000	Alexander 5367
Little Lime		White & Grey	2000	2125	Total Depth 5610
Sand & shale		White & Grey	2125	2148	
Big Lime		White & Grey	2148	2293	
Sand & shale		White & Grey	2293	2370	
Injun		Grey	2370	2386	
Sand & shale		Grey	2386	2455	
Velr		Grey	2455	2450	
Sand & shale		Grey	2450	4520	
Sand		Brown	4520	4600	
Sand & shale		Brown	4600	5128	
Sand		Brown	5128	5135	
Sand & shale		Brown	5135	5135	
Sand & shale		Grey	5135	5135	
		Grey	5135	5135	

OK T.J. Alexander @ T.O.

(Attach separate sheets as necessary)

Consolidated Gas Transmission Corp.
Well Operator

By: J. E. Burmby W. E. Lusk
Manager of Production
Date: February 17, 1981

Note: Regulation 2.02(i) provides as follows:
The term 'log' or 'well log' shall mean a systematic

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: CNG Transmission Corporation 10900 (4) 252
- 2) Operator's Well Number: 12790 3) Elevation: 1227
- 4) Well type: (a) Oil / or Gas x/ Issued 08/26/96
 (b) If Gas: Production x/ Underground Storage / Expires 08/26/98
 Deep / Shallow /
- Proposed Target Formation(s): Fourth, Speechley, Balltown, Benson
 2900-2910, 3678-3778, ⁴³⁵
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 WV Division of Environmental Protection
 Proposed Total Depth: 4048-4074, 5084-5100 Feet
- Approximate fresh water strata depths: Aug 08 1996
- Approximate salt water depths: Permitting
- 9) Approximate coal seam depths: Office of Oil & Gas
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Perforate and frac proposed zones. Clean well up. comingle
with existing zones.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT
------	----------------	-------------------	--------

Conductor	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Fresh Water						
Coal						
Intermediate	8 5/8"			1326'	1326'	303 sks to surface
Production	4 1/2"			5650'	5606'	225 sks
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

10/23
 For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond _____ Agent _____
 (Type)

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WV Division of
Environmental Protection

MAY 03 1996

Permitting

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Date: _____
2) Operator's well number 12790
3) API Well No: 47 - 017 - 03267 *F*
State County Permit

4) Surface Owner(s) to be served: 5) (a) Coal Operator: _____ Name _____ None

(a) Name David & Clara Kerns Address _____
Rt. 3, Box 119

Salem, WV 26426

(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____ None
Address _____

(c) Name _____ Name _____
Address _____ Address _____

6) Inspector Mike Underwood

Address Rt. 2, Box 135 (c) Coal Lessee with Declaration
Salem, WV 26426 Name _____
Address _____

Telephone (304) - 782-1043

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

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ 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 22-6 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 CNG Transmission Corporation
By: [Signature]
Its: Assistant Vice President
Address 445 W. Main Street
Clarksburg, WV 26301

Telephone (304) 623-8000 19 96

Subscribed and sworn before me this 4 day of June

Cathy J. Donnellan [Signature]
My commission expires May 18, 2004

