

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

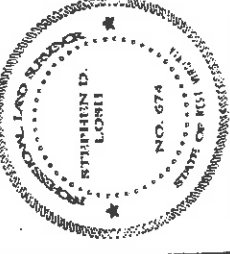
FILE NUMBER: _____
 DRAWING NUMBER: DEP2747.PCS
 SCALE: 1" = 500'
 MINIMUM DEGREE OF ACCURACY: 1 IN 200
 PROVEN SOURCE: _____
 OF ELEVATION: DGPS SURVEY 08/05/02
 SUBMETER SYSTEM: _____

I THE UNDERSIGNED, HEREBY STATE 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) _____

STEPHEN D. LOSH, P.S. #674

PLACE SEAL HERE



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 FORM WW-6
 #10 MAINJUN ROAD
 NITRO, WV 25143-2606

LAND SURVEYING SERVICES
 21 CEDAR LANE, BRIDGEFORD, WV 26330
 PHONE: 304-842-2018 OR 842-5762

DATE: AUGUST 06, 2002
 OPERATORS WELL NO.: 2747
 API WELL NO. 47-017 COUNTY DODDRIDGE STATE WEST UNION PERMIT 03534F

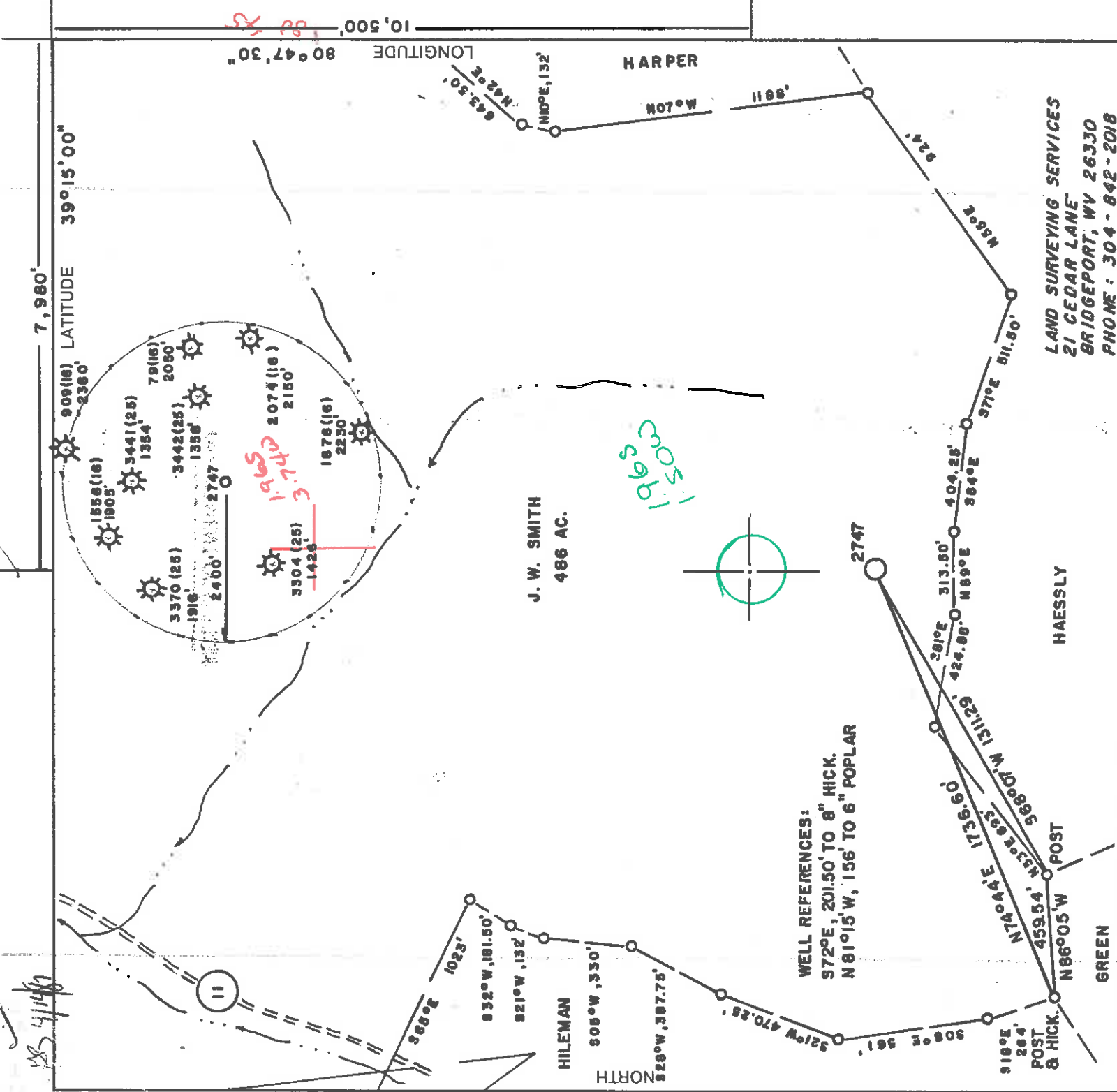
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1176.20' WATERSHED RIGHT FORK OF ARNOLDS CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD LEASE NUMBER 41979
 SURFACE OWNER HAESSLY LAND & TIMBER LLC ACREAGE 485.00
 OIL & GAS ROYALTY OWNER J. W. SMITH LEASE ACREAGE 486.00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____
 PLUG & ABANDON CLEAN OUT & REPLUG
 ESTIMATED DEPTH 1957'

TARGET FORMATION Injun
 WELL OPERATOR DOMINION EXPLORATION & PRODUCTION, INC. DESIGNATED AGENT RODNEY BIGGS
 ADDRESS P. O. BOX 1248 JANE LEW, WV 26378 ADDRESS P. O. BOX 1248 JANE LEW, WV 26378

D000 3534F

SEP 13 2002
 (Straight Fork - Bluestem Creek (B3))



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM 3100' NW OF LOCATION ELEV. - 944'

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

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) *Stephen D. Losh*

R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE FEBRUARY 28 19 87
 OPERATOR'S WELL NO. 2747
 API WELL NO. 47 017 3534

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE _____ COUNTY _____ PERMIT _____
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1186' WATER SHED RIGHT FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5 min. 526 058 ME3 Holbrook
 SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES, INC. ACREAGE 486
 OIL & GAS ROYALTY OWNER J. W. SMITH LEASE ACREAGE 486

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 ALEXANDER ESTIMATED DEPTH 5480'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER 14A ADDRESS RT. 2, BOX 698
 PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

6-6 Straight Fork - Bluestone Creek (133)

MAY 04 1987

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

AB

Farm name: Haessy Land & Timber Operator Well No.: 2747
LOCATION: Elevation: 1176.20' Quadrangle: Oxford

District: West Union County: Doddridge
Latitude: 10430 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 8125 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: Dominion Exploration & Production, Inc

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P O Box 1248</u>				
<u>Jane Lew, WV 26378</u>				
<u>Agent: Rodney J. Biggs</u>				
<u>Inspector: Mike Underwood</u>				
<u>Date Permit Issued: 09/11/2002</u>				
<u>Date Well Work Commenced:</u>				
<u>Date Well Work Completed: 10/17/2002</u>				
<u>Verbal Plugging N/A</u>				
<u>Date Permission granted on: N/A</u>				
<u>Rotary X Cable Rig</u>				
<u>Total Depth (feet):</u>				
<u>Fresh Water Depth (ft.): N/A</u>				
<u>Salt Water Depth (ft.): N/A</u>				

Is coal being mined in area (N/Y)? N
Coal Depths (ft.):
OPEN FLOW DATA

See Previous WR-35 for Casing Program

**REWORK WAS DRY
SQUEEZE OFF REWORK INTERVAL
RE ESTABLISHED EXISTING PRODUCTION**

Producing formation Big Injun Pay zone depth (ft) 1958-1968'
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 Pay zone depth (ft)
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

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORMATED 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.

Signed: Rodney J. Biggs
By: Rodney J. Biggs
Date: 10/30/03

RECEIVED
Office of Chief
November 04 2003
WV Department of
Environmental Protection

D000 3534 F

NOV 11 2003

NR

WELL 2747
10/17/2002 PLAN TO FRAC TODAY

FRAC AS FOLLOWS:
BIG INJUN - Perforated 10/09/02. Frac 10/17/02, 500 gal 15% Acid, Breakdown 1306
psig
ISIP START 1167, 20100 lbs 20/40 sand, 299 bbis - Delta Frac 20# X-link gel,
Avg Rate 20.6 bpm, Avg Press 2113 psig, ISIP END 2276 psig.

RECEIVED
Office of Oil & Gas
Office of Chief
NOV 04 2003
MN Department of
Environmental Protection

2
10
11

CNGP 2747 WORKOVER

11/1/95 - Allegheny Perforated

11/2/95 - Nowaco Fraced

Formation	Baltimore	Speechley	Gordon
Perforations	3844-4058 (24)	3297-3428 (26)	2617-2674 (25)
Plug	4131	3460	2690
Total Fluid	528	354	469
Total Acid	500	500	500
Total Sand	20K	22K	30K
Avg. Rate	24	24	24
Avg. Press.	2450	2550	2180

12/8/95 - F.O.F. = 267 MCFD

12/8/95 - T.B.I.L.



RECEIVED
JUN 29 1987

State of West Virginia

Department of Mines

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date June 23, 1987
Operator's
Well No. 2747
Farm Smith
API No. 47 - 017 - 3534

Oil and Gas Division

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1186 Watershed Right Fork

District: West Union County Doddridge Quadrangle Oxford

COMPANY CNG Development Company
ADDRESS P.O. Box 15746
Pittsburgh, PA 15244
DESIGNATED AGENT Gary A. Nicholas
ADDRESS Rt. 2 Box 698
Bridgeport, WV 26330
SURFACE OWNER Haessly Hardwood Lumber Sales
ADDRESS Rt. 1, Newport Pike
Marietta, OH 45750
MINERAL RIGHTS OWNER J. W. Smith
ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK _____

Mike Underwood ADDRESS Rt. 2, Box 114
Salem, WV 26426

PERMIT ISSUED April 27, 1987

DRILLING COMMENCED May 26, 1987

DRILLING COMPLETED June 1, 1987

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"	259	259	To Surf.
9 5/8			
8 5/8	1606	1606	To Surf.
7			
5 1/2			
4 1/2	5341	5341	210 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5480 feet

Depth of completed well 5370 feet Rotary / Cable Tools _____

Water strata depth: Fresh 35' / Salt 1410 feet

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

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5151-5242 feet

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

Final open flow 1,609 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 480 psig (surface measurement) after 24 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)

JUL 6 1987

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

Superior perforated Alexander 5151 - 5242, 45 shots, .39" HSC
 Nowasco 75Q Foam Frac - Breakdown 1700, Ave HHP 2 pumps, Ave Rate 25, Ave Pres 2750,
 Max Tr Pr. 2900, Total Acid 1000, Total Sand 115,000#, Max Conc. 6#/gal, Total Fluid 311 bbl
 Sl Fluid 225 bbl, Total Nit. 712,563 SCF (Drop 30 perf. balls)

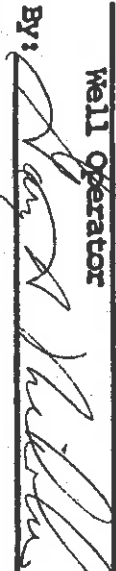
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 JUN 29 1987

WELL LOG

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
KB - GL			0	10	Including indication of all fire and salt water, coal, oil and gas
Soil, Shale, Sand & RR			10	1855	
L. Lime			1855	1870	Hole Wet @ 35' - Soap Hole 1/2" stream @ 440' 1" stream @ 1410'
Sand & Shale			1870	1892	
Big Lime			1892	1970	
Big Injun			1970	2032	
Sand & Shale			2032	2200	
Weir			2200	2318	
Sand & Shale			2318	2398	
Berea			2398	2402	
Sand & Shale			2402	3255	
Warren			3255	3330	
Sand & Shale			3330	4338	
Bradford			4338	4374	
Sand & Shale			4374	4698	
Riley			4698	4784	
Shale			4784	4890	
Benson			4890	4932	
Shale			4932	5148	
Leopold			5148	5164	
Alexander ✓			5164	5246	
Sand & Shale			5246	5370	
LOG TOPS ✓					
Big Lime			1877	1957	
Big Injun			1957	2040	
Weir			2192	2322	
Berea			2390	2396	
Gordon Group			2604	2673	
4th Sand			2764	2770	
Warren			3256	3312	
U. Speechley			3414	3428	
Balltown			3818	3850	
Bradford			3970	4080	
Riley			4716	4748	
Benson			4880	4930	
Alexander			5140	5250	

(Attach separate sheets as necessary)

ONG DEVELOPMENT COMPANY
 Well Operator
 By: 
 Date: June 23, 1987

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."

(Obverse)
7/85



1) Date: March 21, 1987
 2) Operator's Well No. CNGD 2747
 3) API Well No. 47 017 County 3534 Permit

APR 10 1987

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

4) WELL TYPE: A Oil Gas B (if "Gas", Production Under-ground storage Deep Shallow
 5) LOCATION: Elevation: 1186 Watershed: Right Fork
 District: West Union B County: Doddridge 017 Quadrangle: Oxford 525
 6) WELL OPERATOR: CNG Development Co. CODE: 10/10 7) DESIGNATED AGENT Gary Nicholas
 Address: Cheryl S. Hartle P.O. Box 15746 Address: Crosswind Corporate Park
Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name: Mike Underwood Name: Sam Jack Drilling Co.
 Address: Route 2, Box 114 Address: P.O. Box 48
Salem, WV 26426 Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill deeper Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5480 feet
 13) Approximate true depths: Fresh, _____ feet; salt, 1438 feet.
 14) Approximate coal seam depths: _____ 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.	For drilling	Left in well		
Conductor							
Fresh water	11-3/4	H-40	42	X	250	250	To surface By rule 15.05
Coal							
Intermediate	8-5/8	X-42	23	X	1600	1600	To surface By rule 15.05
Production	4-1/2	J-55	10.5	X	5480	5480	200 - 400 By rule 15.01
Tubing	1-1/2	CN-55	2.75	X			Perforations: Top Bottom
Liners							

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3534

April 27 19 87
 Date

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. April 27, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.
 Permit expires

9950

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>BS</u>	Casing: <u>BS</u>	Fee: <u>1817</u>	WPCP: <u>BS</u>	SAE: <u>BS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

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

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

Issued 09/07/95
 Expires 09/07/97
 526

1) Well Operator: CMG Producing Company (A) 0116 (8) 3) Elevation: 1186'

2) Operator's Well Number: CNGP 2747

4) Well type: (a) Oil / or Gas X /
 (b) IF Gas: Production X / Underground Storage /
 Deep / or Shallow /

Proposed Target Formation(s): 433
2615-2630
3291-3422
3824-3858 Gordon, Speechley, Balltown

Proposed Total Depth: 3824-3858 feet

Approximate fresh water strata depths: _____

Approximate salt water depths: _____

Approximate coal seam depths: _____

10) Does land contain coal seams tributary to active mine? Yes / No /

11) Proposed Well Work: Squeeze cement to cover intervals. Perforate and frac proposed zones. Clean well up and commingle with existing production.

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	13-10"			259'	259'	To surface
Fresh Water						<u>Oil mud</u>
Coal						
Intermediate	8 5/8"			1606'	1606'	In Surface
Production	4 1/2"			5341'	5341'	210 sks.
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

0166236
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-28 Bond _____ (Type)

18-

1) Date: 8/18/95
2) Operator's well number ONGP 2747M
3) API Well No: 47 - 017 - 3534M
State - County - Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Norman F. Haessly 5) (a) Coal Operator:
Address Haessly Hardware Lumber Sales, Inc. Name
Rt. 1, Newport Pike, Marietta, OH 45750 Address
- (b) Name _____ (b) Coal Owner(s) with Declaration
Address See Attached list
- (c) Name _____ Name
Address _____
- 6) Inspector Mr. Mike Underwood (c) Coal Lessee with Declaration
Address _____ Name
Address _____
- Telephone (304) - 288-1604 (cellular)
782-1043 (home)

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 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 _____ 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 _____ CNG Producing Company

BY: Rodney J. Riggs
 Its: Designated Agent - Production Manager, Appalachian Region
 Address Rt. 2, Box 698, Crosswind Corp. Park
Bridgport, WV 26330

Subscribed and sworn before me this 8th day of August, 1995
 Telephone (304) 623-8840

Nancy D. Colton Nancy Colton
 My commission expires 09-26-2003

