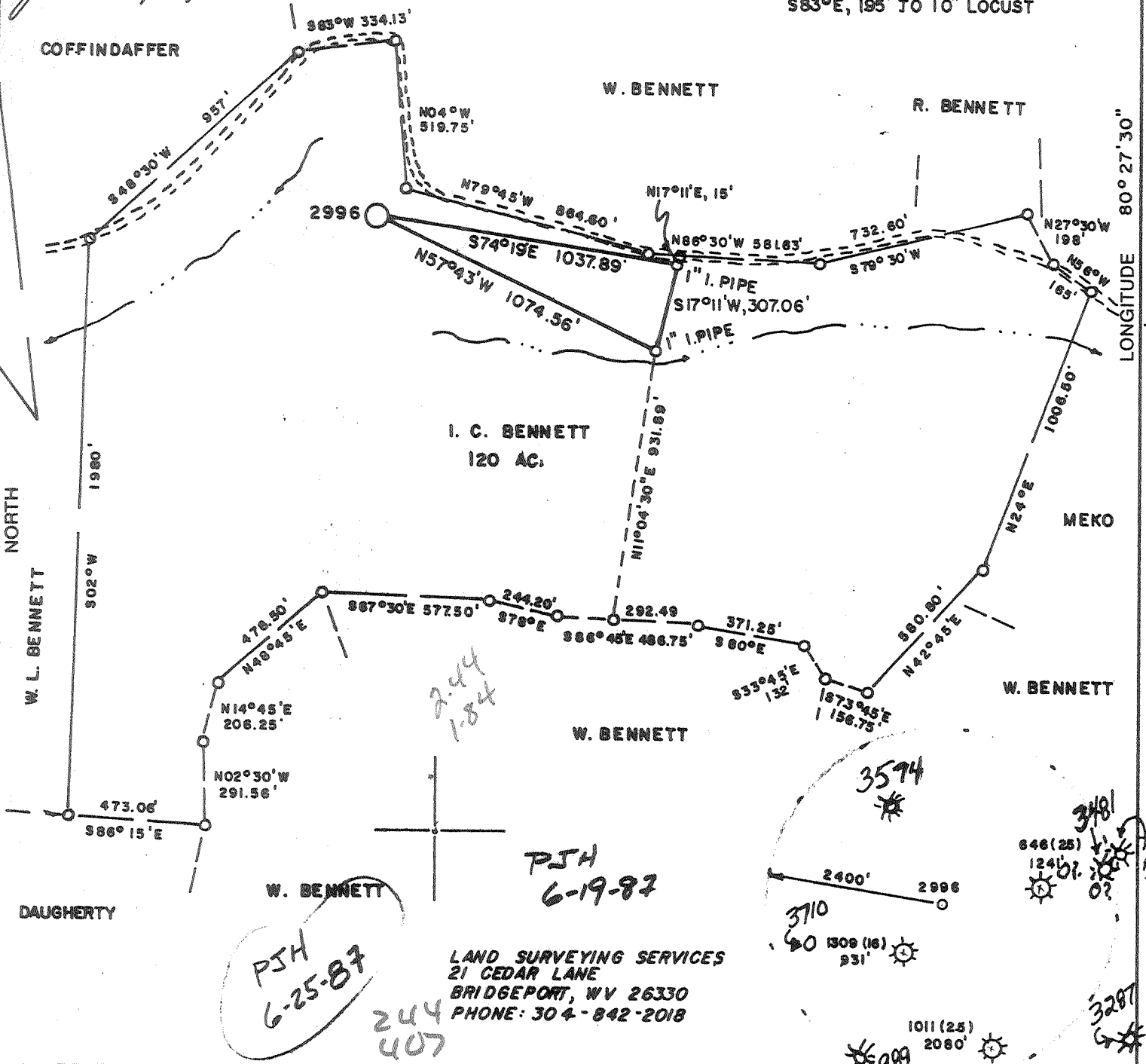


87B 8/11/87
Jamie 9/13/93

WELL REFERENCES:
N73°15'E, 132' TO METAL GATE POST
S83°E, 195' TO 10" LOCUST

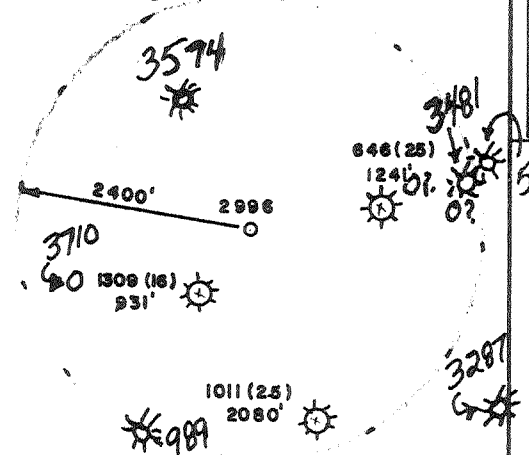


244
1-84

PSH
6-19-87

PSH
6-25-87

244
407

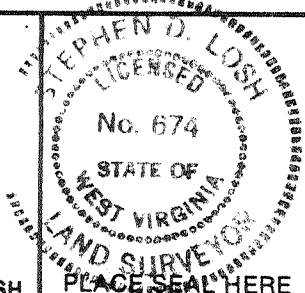


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1050' N.W. OF LOCATION ELEV. 1439'

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 MAY 29, 19 87
 OPERATOR'S WELL NO. 2996
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1251' WATERSHED TENMILE CREEK
 DISTRICT UNION COUNTY HARRISON
 QUADRANGLE WEST MILFORD 7.5 min. western NW
 SURFACE OWNER WILLIAM L. BENNETT ACREAGE 75.17
 OIL & GAS ROYALTY OWNER IRA C. BENNETT LEASE ACREAGE 120
 LEASE NO. TC 5904

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Free New Formation Beyond
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 4925'
 WELL OPERATOR C.N.G. Producing DESIGNATED AGENT Rod G. Biggs
 ADDRESS Same ADDRESS RT. 2, BOX 698 BRIDGEPORT, WV 26330

COUNTY NAME HARR
 PERMIT 3476

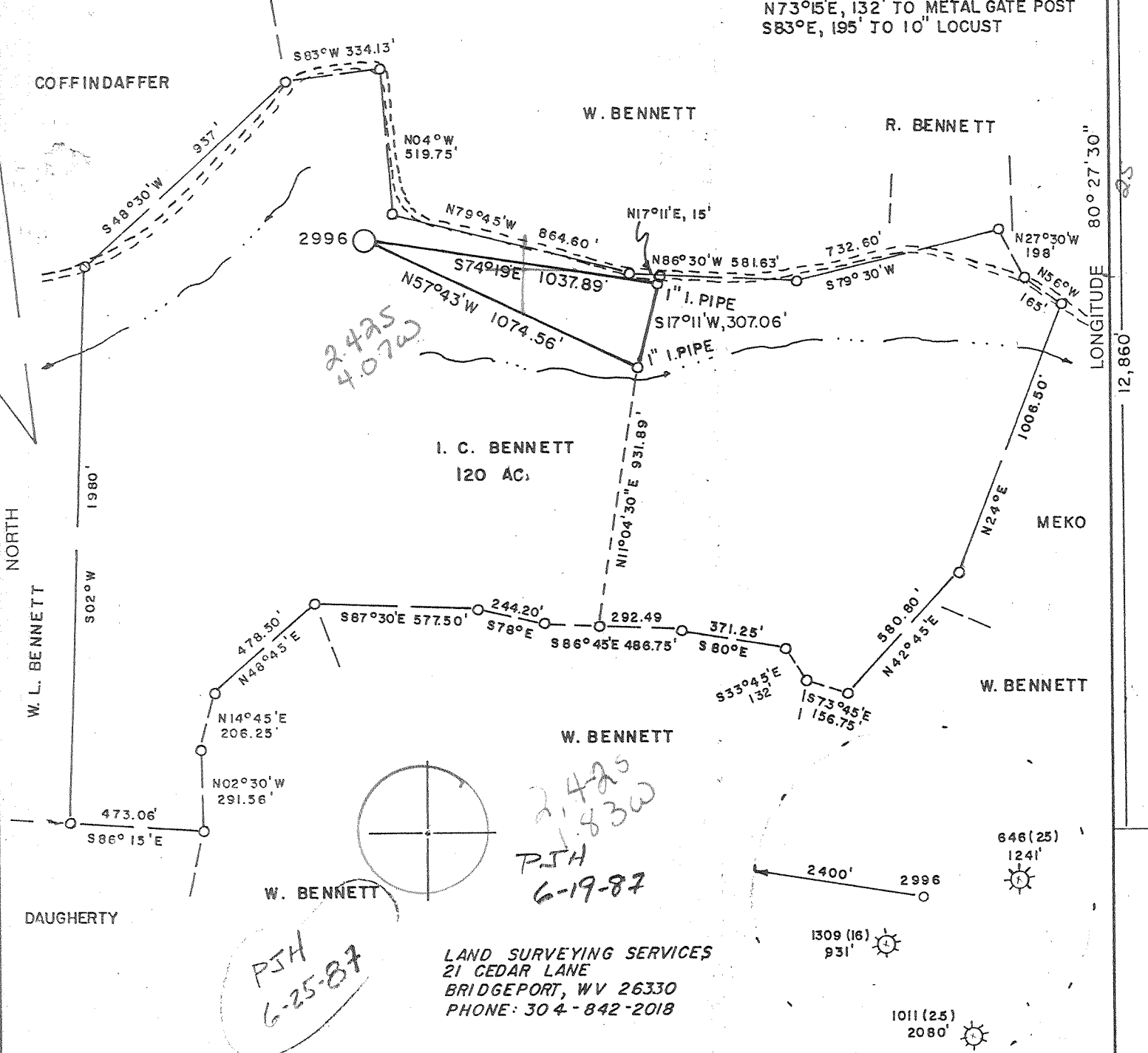
owwo G.G. Jarvisville (151)

9,700'

LATITUDE 39° 15' 00"

8/11/87

WELL REFERENCES:
N73°15'E, 132' TO METAL GATE POST
S83°E, 195' TO 10" LOCUST



2,425
4,072

2,425
1,830
PSH
6-19-87

PSH
6-25-87

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

(+) 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 TOP OF KNOB 1050' N.W. OF LOCATION ELEV. - 1439'

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
 No. 474
 STATE OF WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE MAY 29, 19 87
 OPERATOR'S WELL NO. 2996
 API WELL NO. _____

47 033 3476
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1251' WATERSHED TENMILE CREEK
 DISTRICT UNION COUNTY HARRISON
 QUADRANGLE WEST MILFORD 7.5 min. 669 132 NW 1 Weston
 SURFACE OWNER WILLIAM L. BENNETT ACREAGE 75.17
 OIL & GAS ROYALTY OWNER IRA C. BENNETT LEASE ACREAGE 120
 LEASE NO. TC 5904

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 4925'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER 196 ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

66 Jarvisville (151)

COUNTY NAME
PERMIT

RECEIVED
Environmental Protection
DEC 0 1 93
Permitting
Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name: BENNETT, R.E./B. CHILDERS Operator Well No.: CNGP 2996

LOCATION: Elevation: 1,251.00 Quadrangle: WEST MILFORD

District: UNION County: HARRISON
Latitude: 12860 Feet South of 39 Deg. 15Min. Sec.
Longitude 9700 Feet West of 80 Deg. 27 Min. 30 Sec.

Company: CNG PRODUCING COMPANY
ROUTE 2, BOX 698
BRIDGEPORT, WV 26330-0698

Agent: RODNEY J. BIGGS

Inspector: TIM BENNETT
Permit Issued: 09/17/93
Well work Commenced: 10/22/93
Well work Completed: 10/28/93
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
NO ADDITIONAL CASING RAN IN HOLE			
1 1/2"	- 143 Jts.		

OPEN FLOW DATA

Producing formation Bayard Pay zone depth (ft) 2656-266
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow* 179 MCF/d Final open flow NA Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours
 *Commingled with existing production

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 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: Rodney J. Biggs, Manager
CNG PRODUCING COMPANY

By: Rod Biggs
Date: November 29, 1993

Reviewed TMG
Recorded _____

101 2 - 105

Perforated Bayard 2656-2666. 20 holes. .39" HSC

Frac: Break 1240, Ave. HHP 610, Ave. Rate 15, Ave. Press. 1650,
Max. Tr. Press. 1750, Total Acid 500 gal. Total Sand 25,000#,
Max. Conc. 3#/gal, Total Fluid 482, SL Fluid 284, ISIP 1550,
5-min 1420.

TD 4938

DF 424

DFT 435

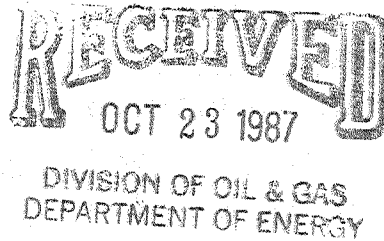
85821

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

Perforated Benson 4685 - 4699, 20 holes; 4705 - 4708, 4 holes, .39 HSC
Dowell Water Frac 30# Gel Benson - Break 2100, Avg TPSI 2932, Avg Rate 35 BPM, HHP used 2529, ISI 2400, 5 min 1721, used 500 gals 15% FE Acid, 5,000# 80/100 Sand and 67,500# 20/40 Sand.

Perforated Balltown 3550 - 3553, 8 holes; 3566 - 3570, 8 holes; 3574 - 3580, 12 holes, .39 HSC
Dowell Water Frac 30# Gel Balltown - Break 1600, Avg TPSI 1637, Avg Rate 35 BPM, HHP used 1414 ISI 1140, 5 min 1117, used 500 gals 15% FE Acid, 5,000# 80/100, 65,000# 20/40 and 12,000# 10/20 Sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay			0	2	1/2" stream water @ 50'
Sand, Shale & RR			2	1705	damp @ 1640'
Big Lime			1705	1792	1/2" - 3/4" stream water @ 1670'
Shale			1792	1797	
Injun Sand			1797	1861	
Sand & Shale			1861	4938	
LOG TOPS ✓					
Big Lime			1698	1768	
B. Injun			1768	1857	
Pocono			1882	1908	
Gantz			2094	2144	
30'			2206	2252	
Gordon Gp.			2308	2468	
4th			2610	2621	
Warren			2990	3018	
U. Speechley			3212	3232	
Speechley			3548	3608	
Balltown			3733	3760	
Bradford			4068	4104	
✓ Benson			4680	4760	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By:

Date: October 19, 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 coal, encountered in the drilling of a well."

(Obverse)
RECEIVED
AUG 07 1987



1) Date: June 30, 19 87
 2) Operator's Well No. CNGD 2996
 3) API Well No. 47 033 3476
 State County Permit

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 / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1251 Watershed: Tenmile Creek
 District: Union 0 County: Harrison 033 Quadrangle: West Milford 068
- 6) WELL OPERATOR CNG Development Co CODE: 10110 7) DESIGNATED AGENT Gary Nicholas
 Address c/o 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 9) DRILLING CONTRACTOR:
 Name Stephen Casey Name Sam Jack Drilling Co.
 Address Rt. 2, Box 232D Address P.O. Box 48
Jane Lew, WV 26378 Buckhannon, WV 26201
- 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, Benson
 12) Estimated depth of completed well, 4925 feet
 13) Approximate trata depths: Fresh, 135, 435, 619 feet; salt, 1577 feet.
 14) Approximate coal seam depths: 245 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		
Conductor									Kinds
Fresh water	11-3/4	H-40	42	X		40	40	To surface	By rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	X		800	800	To surface	By rule 15.05
Production	4-1/2	J-55	10.5	X		4925	4925	200 - 400	Depths set
Tubing	1-1/2	CN-55	2.75	X					By rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3476 Date August 25 19 87

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 August 25, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	PIB: <input checked="" type="checkbox"/>	Casting: <input checked="" type="checkbox"/>	Fee: <u>225</u>	NDSD: <input checked="" type="checkbox"/>	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
-------------------------------------------	--------------------------------------------	------------------------------------------	----------------------------------------------	-----------------	-------------------------------------------	------------------------------------------	---------------------------------

NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas

File

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

10603