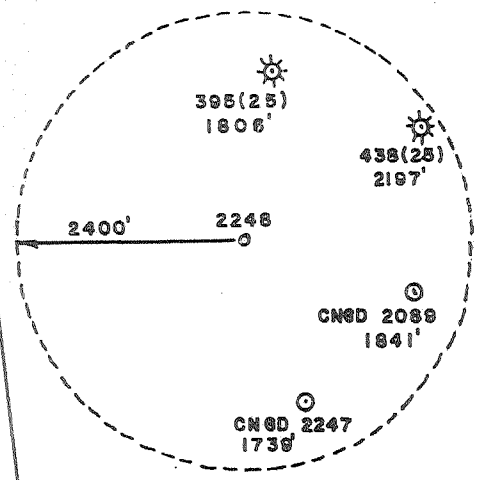


5 12-23-85

11,640'

LATITUDE 39° 20' 00"

*Janice
3/29/84*



SHEETS

WELL REFERENCES:
882°30'E, 163' TO 14" W. OAK
N26°E, 153.80' TO 6" ASH

NORTH

GATTEN

A. M. YOUNG & RITA HAESSLY
66 AC.

ARNOLD

KUNST

MERRIFIELD

YOUNG

Mc DANIEL

MAYLE

MAYLE

LAND SURVEYING SERVICES
1412 N. 18 TH ST.
CLARKSBURG, WV 26301
PHONE: 304-623-1214

*2.555
2.20W*

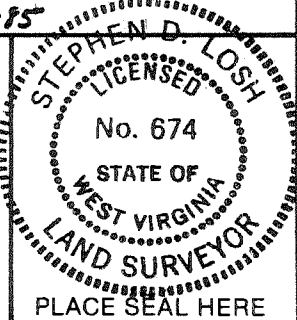
*2.55
2.44*

L.R. 4 11-6-85

(+) 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 1800' N. OF LOCATION ELEV. - 1570'

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) *Stephen D. Losh*



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

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE OCTOBER 23, 1985
 OPERATOR'S WELL NO. 2248
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1311' WATERSHED FLAG RUN
 DISTRICT KNOTTSVILLE COUNTY TAYLOR
 QUADRANGLE THORNTON 7.5 min. 215 SW

SURFACE OWNER RITA HAESSLY ACREAGE 66
 OIL & GAS ROYALTY OWNER A.M. YOUNG & RITA HAESSLY LEASE ACREAGE 66
 LEASE NO. DV-15745, DV-284

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Refractor

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION 3RD ELK ESTIMATED DEPTH 5300' 5150'

W AI CNG Producing Company
 Rt.2, Box 698
 Bridgeport, WVa. 26330-0698

Rodney Biggs
 Same Address
 PH: 304-623-8840

MAR 25 1984

LONGITUDE 79° 57' 30"

13.460"

COUNTY NAME TAYLOR

PERMIT 05227

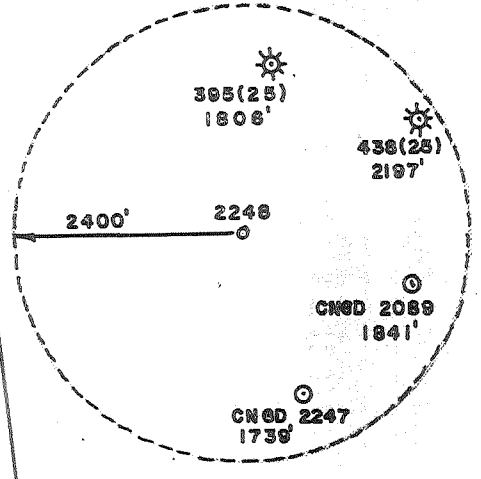
FORM IV-6 (8-78)

H.T. HALL

95 12-23-85

11,640'

LATITUDE 39° 20' 00"



James
3/29/94

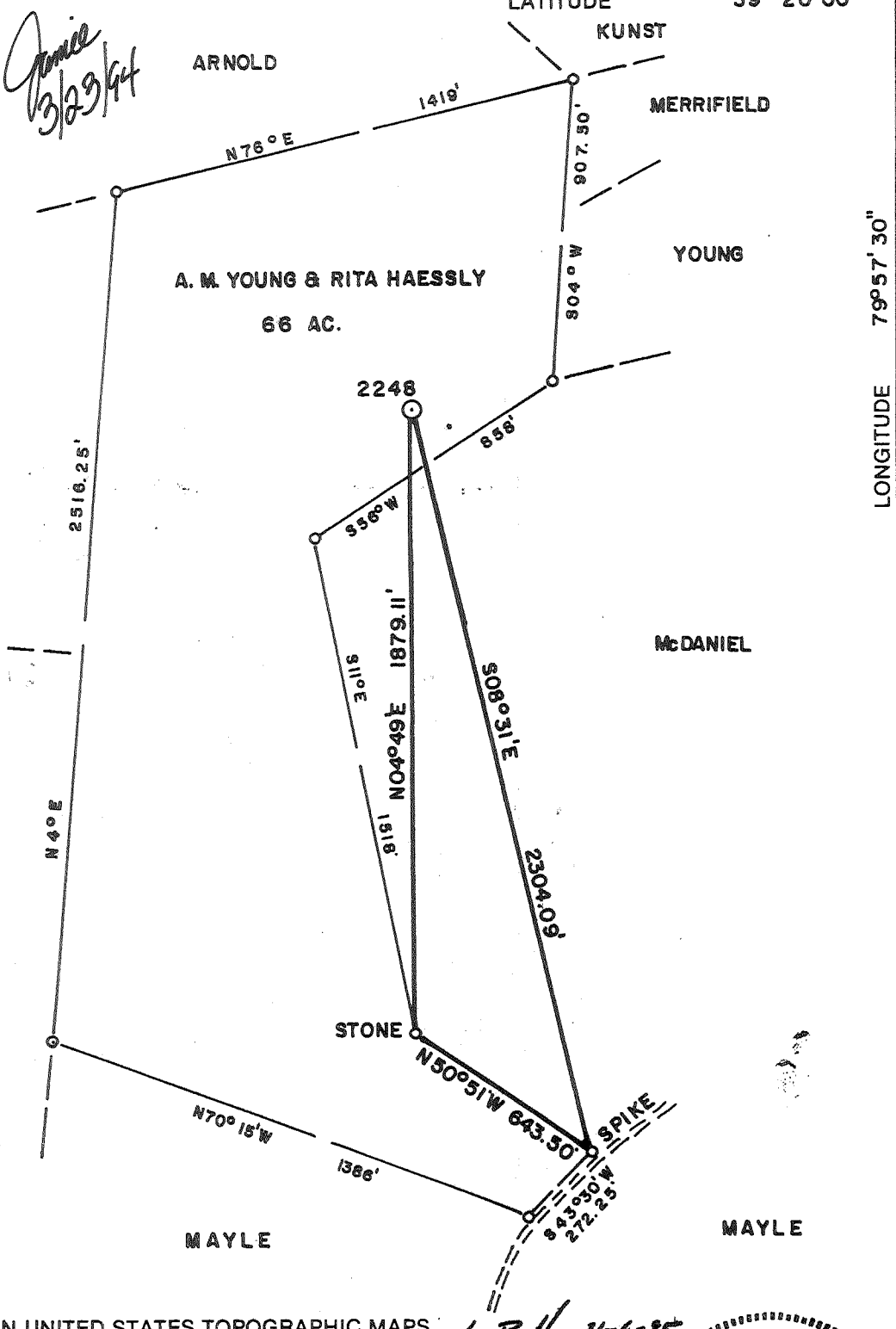
SHEETS

WELL REFERENCES:
882°30'E, 163' TO 14° W. OAK
N26°E, 155.80' TO 6° ASH

NORTH

GATTEN

LAND SURVEYING SERVICES
1412 N. 18 TH ST.
CLARKSBURG, WV 26301
PHONE: 304-623-1214



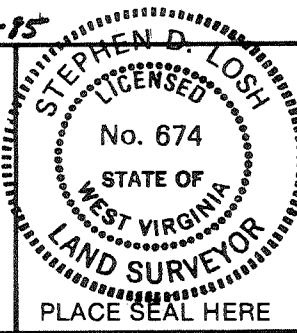
LONGITUDE 79°57'30"

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

L.R. 4 11-6-95

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1800' N. OF LOCATION ELEV. - 1570'

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 (SIGNED) Stephen D. Losh
 R.P.E. _____ L.L.S. 674



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE OCTOBER 23, 1985
 OPERATOR'S WELL NO. 2248
 API WELL NO. 47 091 0527

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1311' WATER SHED FLAG RUN
 DISTRICT KNOTTSVILLE COUNTY TAYLOR
 QUADRANGLE THORNTON 7.5 min.

SURFACE OWNER RITA HAESSLY ACREAGE 66
 OIL & GAS ROYALTY OWNER A.M. YOUNG & RITA HAESSLY LEASE ACREAGE 66
 LEASE NO. DV-15745, DV-284

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) None

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___
 TARGET FORMATION 3RD ELK ESTIMATED DEPTH 5300'

W
 AI
 CNG Producing Company
 Rt. 2, Box 698
 Bridgeport, WVa. 26330-0698

Rodney Biggs
 Same Address
 PH: 304-623-8840

JUL 26 1996

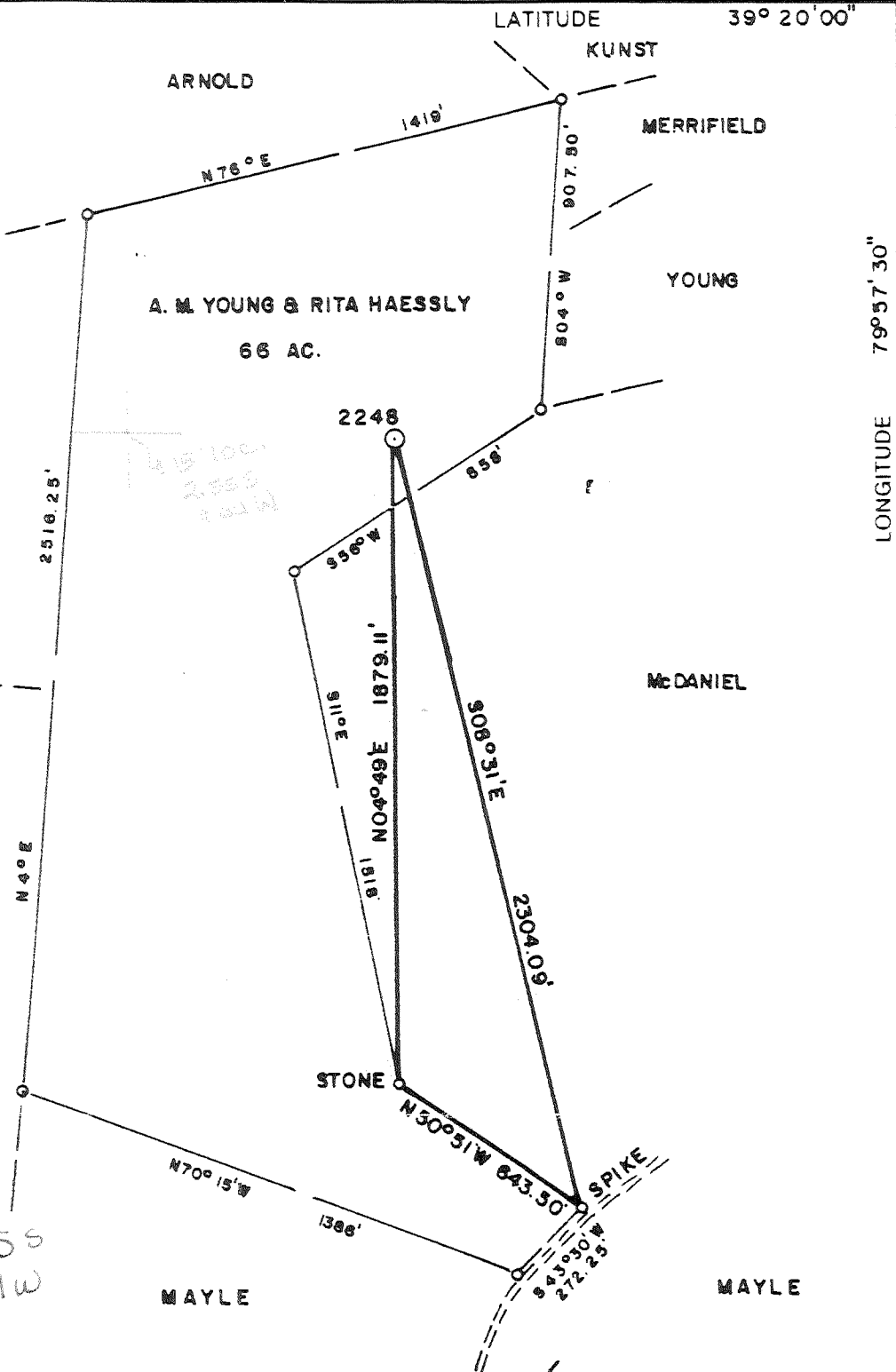
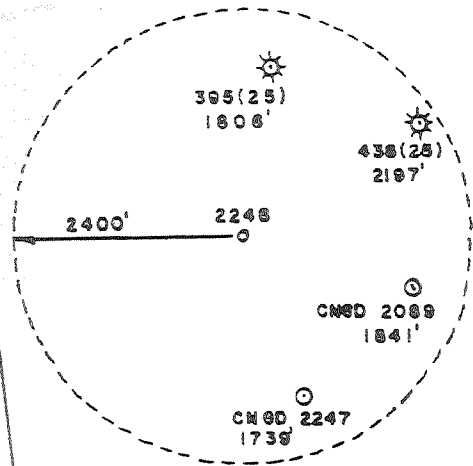
FORM IV-6 (8-78)

COUNTY NAME PERMIT

12-23-85

11,640'

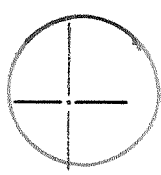
LATITUDE 39° 20' 00"



LONGITUDE 79° 57' 30" 79 55"

WELL REFERENCES:
S82°30'E, 163' TO 14" W. OAK
N26°E, 153.50' TO 6" ASH

LAND SURVEYING SERVICES
1412 N. 18 TH ST.
CLARKSBURG, WV 26301
PHONE: 304-623-1214



2.55 S
2.21 W

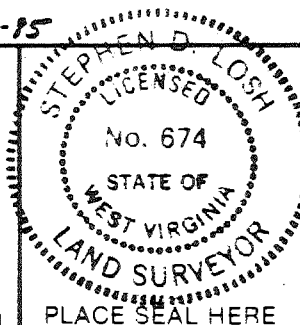
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

L.R. 4 11-6-85

FILE NO. _____
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 (SIGNED) Stephen D. Losh

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



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE OCTOBER 23, 1985
 OPERATOR'S WELL NO. 2248
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1311' WATERSHED FLAG RUN
 DISTRICT KNOTTSVILLE COUNTY TAYLOR
 QUADRANGLE THORNTON 7.5 min. & 15 638 + 122 SW7
 SURFACE OWNER RITA HAESSLY ACREAGE 66
 OIL & GAS ROYALTY OWNER A.M. YOUNG & RITA HAESSLY LEASE ACREAGE 66
 LEASE NO. DV-15745, DV-284

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 3RD ELK ESTIMATED DEPTH 5300'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
PITTSBURGH, PA 15244 RT 2, BOX 698 BRIDGEPORT, WV 26330

COUNTY NAME TAYLOR PERMIT 11/13/86

FORM IV-6 (8-78) NT HALL



1) Date: November 8, 1985
2) Operator's Well No. 2248
3) API Well No. 47-091-0527
State County Permit

RECEIVED NOV 22 1985

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

- 4) WELL TYPE: A Oil / Gas X
5) LOCATION: Elevation: 1311' District: Knottsville 142 County: Taylor Quadrangle: Thornton
6) WELL OPERATOR: CNG Development Co CODE: 10110 Address: c/o Paul W. Garrett, P.O. Box 15746 Pittsburgh, PA 15244
7) DESIGNATED AGENT: Gary Nicholas Address: Crosswind Corporate Park Rt. 2, Box 698, Bridgeport, WV 26330
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Donald Ellis Address: 2604 Crab Apple Lane Fairmont, WV 26554
9) DRILLING CONTRACTOR: Name: Sam Jack Drilling Co. Address: P.O. Box 48 Buckhannon, WV 26201
10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X
11) GEOLOGICAL TARGET FORMATION: 3rd Elk 436
12) Estimated depth of completed well, 5300' feet
13) Approximate strata depths: Fresh, 2311 feet; salt, feet.
14) Approximate coal seam depths: 270, 700 Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft., New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations, Top, Bottom)

OFFICE USE ONLY
DRILLING PERMIT

Permit number: 47-091-0527 Date: January 3 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 3, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Table with columns: Bond, Agent, Plat, Casing, Fee, WPCP, S&E, Other

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

Director, Division of Oil and Gas

File

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



RECEIVED
DEC 22 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date Dec. 16, 1986
Operator's
Well No. CNGD WN 2248
Farm Young & Haessly
API No. 47 - 091 - 0527

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: 1311 Watershed Flag Run
District: Knottsville County Taylor Quadrangle Thornton

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 Rita Haessly
ADDRESS 2165 Bassett Road
Westlake, OH 44155
MINERAL RIGHTS OWNER A.M. Young & Rita Haessly
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK
Donald Ellis ADDRESS 2604 Crab Apple Lane
Fairmont, WV 26554
PERMIT ISSUED January 3, 1986
DRILLING COMMENCED Nov. 17, 1986
DRILLING COMPLETED Nov. 22, 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	929	929	To Surf.
7			
5 1/2			
4 1/2	5060	5060	325 sks
3			
2 1-1/2	4810	4810	---
Liners used			

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

GEOLOGICAL TARGET FORMATION 3rd Elk Depth 5300 feet
Depth of completed well 5150 feet Rotary x / Cable Tools
Water strata depth: Fresh 110 feet; Salt feet
Coal seam depths: 269 - 274 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation 3rd Elk Pay zone depth 4969 - 4832 feet
Benson 4950 - 4870
Riley 3950 - 3936
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 531 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 840 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

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

Perforated 3rd Elk 4961-4969, 8 holes; 4934-4942, 8 holes; 4844-4848, 5 holes; 4832-4836, 5 holes; .39 HSC. Foam Frac (55Q) 3rd Elk - Break 2500, Avg TPSI 3300, Avg Rate 20 BPM, HHP used 1023, ISI 2300, 3 min 2300, Max Sand Conc. 4#/gal, used 5000# 80/100 Sand, 45,000# 20/40 Sand, used 500 gals 15% FE Acid & 460,000 SCFN₂

Perforated Benson 4170-4175, 24 holes, .39 HSC; Foam Frac (70Q) Benson - Break 2600, Avg TPSI 3300, Avg Rate 20 BPM, HHP used 1089, ISI 2300, 3 min 2300, Max Sand Conc. 6#/gal, used 5000# 80/100 Sand, 75,000# 20/40 Sand, used 500 gals 15% FE Acid & 683,000 SCFN₂

Perforated Riley 3947-3950, 6 holes; 3936-3943, 24 holes, .39 HSC
Foam Frac Riley (70Q) - Break 1800, Avg TPSI 2900, Avg Rate 20 BPM, HHP used 955, ISI 1850, Max Sand Conc. 6#/gal, used 5000# 80/100 Sand, 90,000# 20/40 Sand, used 500 gals 15% FE Acid & 620,000 SCFN₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	26	1" stream water @ 50'
Sand & Shale			26	269	2" stream water @ 110'
Coal			269	274	
Sand & Shale & RR			274	1176	
Lime			1176	1190	
R.R.			1190	1220	
B. Lime			1220	1305	
Sand & Shale			1305	5150 TD. Elk @ TP.	
LOG TOPS ✓					
B. Lime/B. Inj.			1235	1410	
Pocono			1493	1589	
50'			1734	1816	
5th/L. 5th			2222	2346	
Speechley			2943	2994	
Balltown			3115	3289	
Bradford			3400	3510	
Riley			3844	3966	
Benson			4162	4176	
1st Elk <i>at 424</i>			4362	4498	
2nd Elk			4570	4787	
3rd Elk			4807	4982	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By:

Date: Dec. 16, 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 coal, encountered in the drilling of a well."

1) Date: February 23, 1994
2) Operator's well number CNGP 2248
3) API Well No: 47 - 091 - 0527 - W
State - County - Permit

Permitting
Office of Oil & Gas

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 W.J. & Rita Haessly
Address 14 Creekview Lane
Durham, NC 27705
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Nathan A. Coulson
Address Pruntytown Pike
Grafton, WV 26354
Name Board of Trustees-Davis Elkins C
Address Elkins, WV 26241
(c) Coal Lessee with Declaration
Name Republic Steel Corporation
Address Republic Building
Box 6778, Cleveland, OH 44101

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.

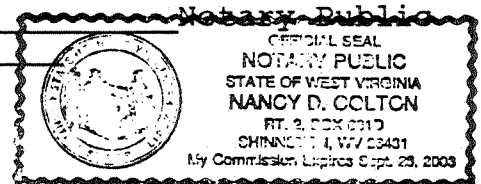
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, 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: [Signature]
Its: Designated Agent
Address Crosswind Corporate Park
Rt. 2, Box 698, Bridgeport, WV 26330
Telephone (304) 623-8840

Subscribed and sworn before me this 23 day of February, 19 94

Nancy D. Coulton
My commission expires September 26, 2003



MAR 08 94

091-527W
Issued 03/24/94
Page ___ of ___
Expires 03/24/96

FORM WW-2B

Permitting
Office of Oil & Gas, STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

18783

Well Operator: CNG Producing Company 10110

Operator's Well Number: CNGP 2248 3) Elevation: 1311

Well type: (a) Oil ___ / or Gas X /

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow ___

5) Proposed Target Formation(s): Keener Sand

6) Proposed Total Depth: 1068 feet

*Original TD. 5150'
Original Formations
3rd Elk*

7) Approximate fresh water strata depths: Behind Casing

8) Approximate salt water depths: Behind Casing

*Benson
Rifles*

9) Approximate coal seam depths: Behind Casing

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

11) Proposed Well Work: Squeeze Cement to cover Keener Interval.
Perforate and Frac Zone. Clean well up and commingle production

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor						
Fresh Water	11 3/4	H-40	42	40		
Coal						
Intermediate	8 5/8	X-42	23	929	929	To Surf.
Production	4 1/2	J-55	10.5	5060	5060	325 sks
Tubing	1 1/2	CN-55	2.75	4810	4810	
Liners						

Expanding from Well Records

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Wall Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond Surety Blanket Agent
(Type)