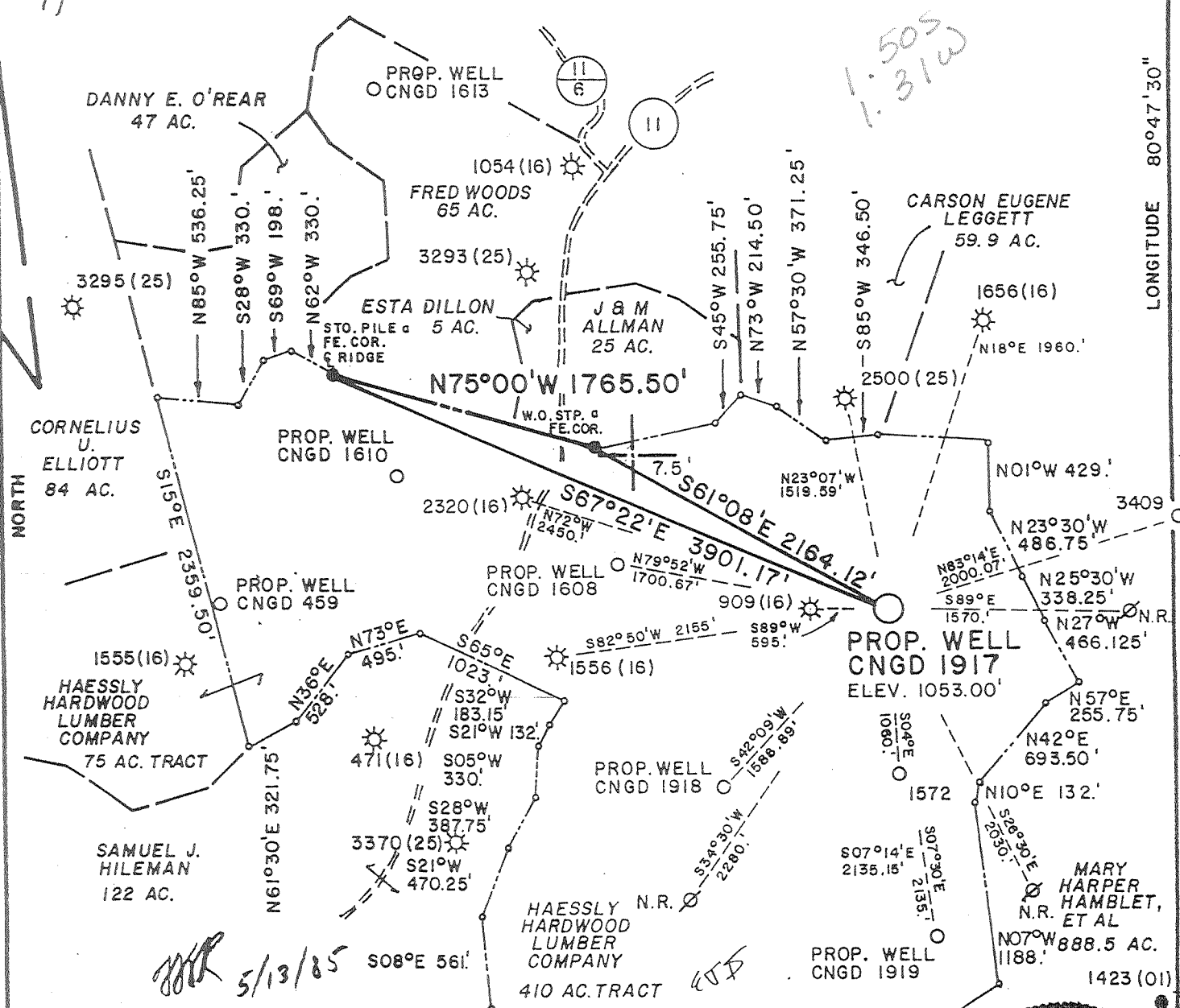


Janice
4/23/98

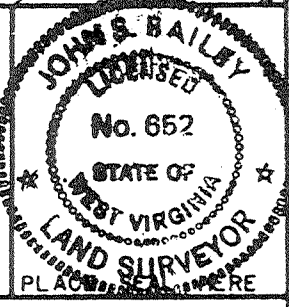
MAGNETIC REFERENCE TIES
CNGD 1917 TO 12" B.W. S73°00'W 166.95'
CNGD 1917 TO 14" W.O. S32°03'W 174.84'



5/13/85

FILE NO. MSES 85-640
 DRAWN BY SARC
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BM ON CO. RT. 11; ELEV. 944'; 2300' NW OF LOCATION

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) *John S. Bailey*
 R. P. E. _____ L. S. 652



WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE APRIL 22 19 85
 OPERATOR'S WELL NO. CNGD 1917
 API WELL NO. 47-017-03447-7
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1053.00' WATER SHED RIGHT FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD, WV 7.5'
 SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES ACREAGE 485
 OIL & GAS ROYALTY OWNER J.W. SMITH ET AL. LEASE ACREAGE 485
 LEASE NO. 41979
 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

Well drilled in 1985 by development co. TO 5250'. Producing well set tool joint by Sarge 4 1/2" for Int'l. Con. with Alexander

*C.N.D. Producing Co.
 Rt. 2, Box 698
 Biggsport, W.V. 26330*

DESIGNATED AGE
 ADDRESS

Rod Biggs

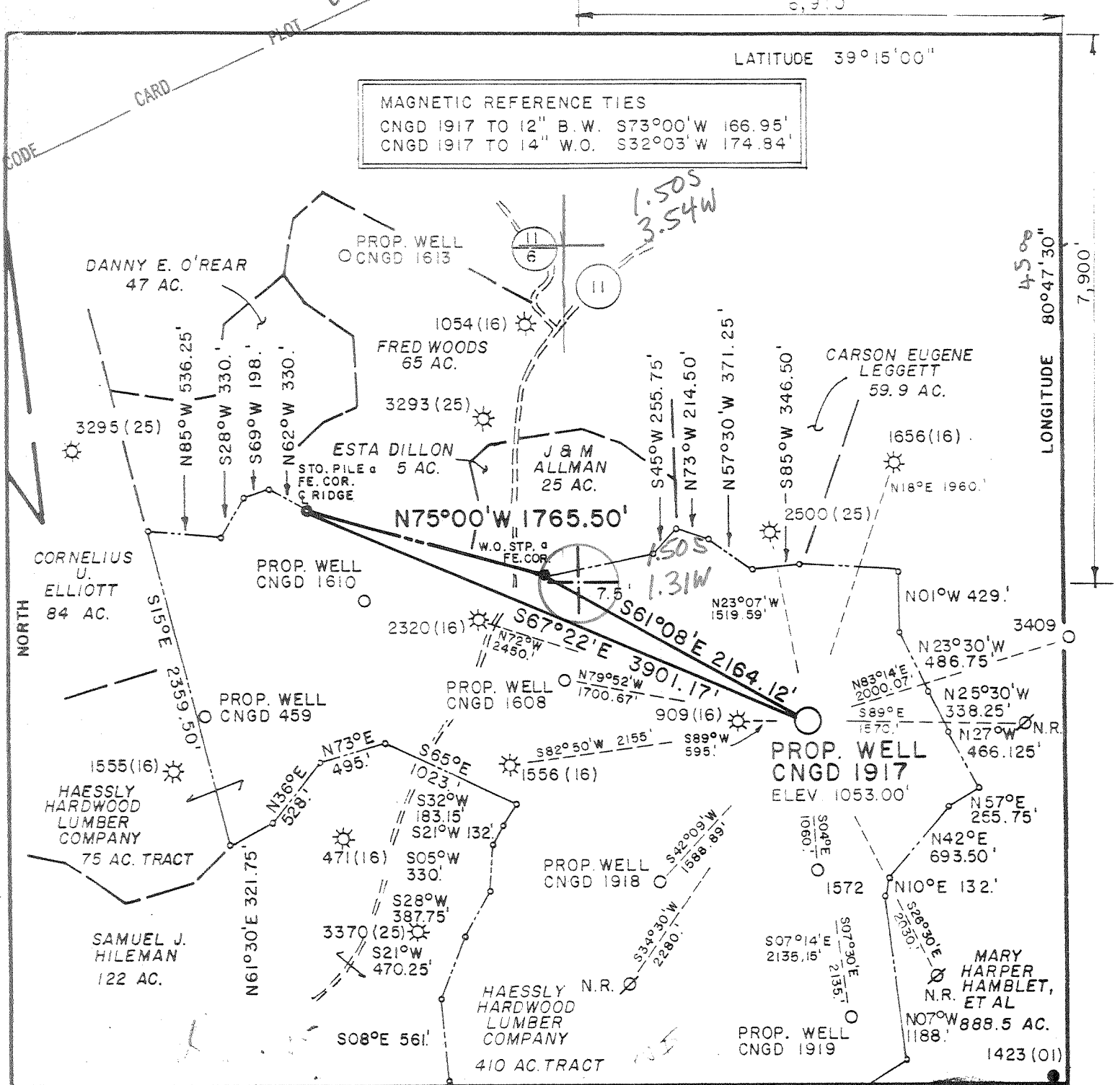
DODD 3447-F

3,910

LATITUDE 39°15'00"

MAGNETIC REFERENCE TIES

CNGD 1917 TO 12" B.W. S73°00'W 166.95'
CNGD 1917 TO 14" W.O. S32°03'W 174.84'



FILE NO. MSES 85-640

DRAWN BY SARC

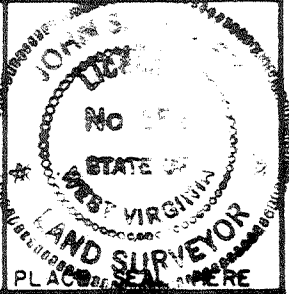
SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1 PART IN 200

PROVEN SOURCE OF ELEVATION BM ON CO. RT. 11; ELEV. 944.1; 2300' NW OF LOCATION

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) John J. Bailey
R. P. E. _____ L. L. S. 652



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

FORM IV-6
(8-78)



DATE APRIL 22 19 85
OPERATOR'S WELL NO. CNGD 1917
API WELL NO. 47-017-3447
STATE COUNTY PERMIT

Department of Mines
Oil & Gas Division

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

LOCATION: ELEVATION 1053.00' WATER SHED RIGHT FORK
DISTRICT WEST UNION COUNTY DODDRIDGE
QUADRANGLE OXFORD, WV 7.5' 526 Fullbrook 058 NE 3

SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES ACREAGE 485
OIL & GAS ROYALTY OWNER J.W. SMITH ET AL LEASE ACREAGE 485
LEASE NO. 41979

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 ALEXANDER ESTIMATED DEPTH 5250'

WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
ADDRESS ONE PARK RIDGE CENTER 142 ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

JUL 15 1985

6-6 Straight Fork - Bluestone Creek (33)

WR-35

23-Apr-98
API # 47- 17-03447 F

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

Well Operator's Report of Well Work

Farm name: Hassley Hardwood Lumber; Operator Well No.: CNGP WV01917

LOCATION: Elevation: 1,053.00 Quadrangle: OXFORD

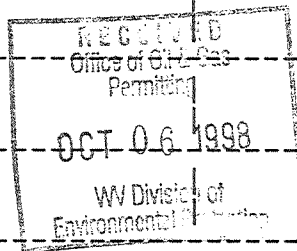
District: WEST UNION County: DODDRIDGE
Latitude: 7900 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 6910 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 04/23/98
Well work Commenced: 06/06/98
Well work Completed: 08/12/98
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)? _____
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.



OPEN FLOW DATA

Producing formation Injun Pay zone depth (ft) 1832-1844 (22)
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow * 119 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ 4 Hours
 Static rock Pressure 50 psig (surface pressure) after 12 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: CNG PRODUCING COMPANY
By: Rodney J Biggs, Production Manager, Appalachian Region
Date: 10/01/98

OCT 19 1998
DODD 3447F



IV-3
(Rev 8-1)

RECEIVED

NOV 7 - 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date September 18, 1985
Operator's
Well No. CNGD WN 1917
Farm J. W. Smith
API No. 47 - 017 - 3447

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: 1053 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, et al

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK

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

PERMIT ISSUED July 3, 1985

DRILLING COMMENCED Aug. 16, 1985

DRILLING COMPLETED Aug. 22, 1985

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"	160	160	To Surf.
9 5/8			
8 5/8	1596	1596	To Surf.
7			
5 1/2			
4 1/2	5225	5225	125 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5250 feet

Depth of completed well 5250 feet Rotary / Cable Tools

Water strata depth: Fresh 45' feet; Salt feet

Coal seam depths: 415 - 420
861 - 865 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5052-5088 feet

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

Final open flow (787) Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 440 psig (surface measurement) after 1 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

NOV 18 1985

(Continue on reverse side)

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

Superior perforated Alexander 5052 - 5088; 12 holes; .49
Halliburton 75Q Foam Frac - Gel System (#/1000 gal) 20#, Break 2400, 2 pumps,
Ave Rate 20 BPM, Ave. Pres. 2600 psi, Max. Tr. Pres. 4200 psi, 500 gal MOD 202,
21,500# 20/40, Max. Conc. 3#, Total Fluid 396 BBL, S L Fluid 230 BBL, Total
Nitrogen 330,000 SCF. (Screened out @ 3 #/gal @ 4200 psi)
(Re-Frac) Gel System 20#, 2 pumps, Ave Rate 20 BPM, Ave. Pres 3000 psi,
Max Tr Pres 3100 psi, 500 gal MOD 202, 50,000 20/40 Sand, Max. Conc. 3,
Total Fluid 650 BBL, S L Fluid 370 BBL, ISIP 1200 psi, 5 min SIP 1150 psi,
Total Nitrogen 550,000 SCF

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill, Shale & Sand			0	415	Damp @ 45'
Coal			415	420	
Sand, Shale & RR			420	861	Coal 415 - 420
Coal			861	865	861 - 865
Sand & Shale			865	1725	
L. Lime			1725	1740	
Sand & Shale			1740	1750	
B. Lime			1750	1824	
Sand & Shale			1824	5250	Alex. @ T.D.
LOG TOPS					
Big Injun				1917	
Weir			2072	2192	
Sunbury			2246	2272	
Berea			2272	2277	
Warren			3132	3218	
Speechley			3390	3500	
Balltown			3878	3986	
Bradford			4070	4260	
Riley			4598	4654	
Benson			4764	4770	
Alexander			5010	5100	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By: *Sam A. Mubtar*

Date: 9-18-85

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."

FORM IV-2(B) FILE COPY
 RECEIVED
 JUN 11 1985



1) Date: June 5, 19 85
 2) Operator's Well No. 1835
 3) API Well No. 47 -017-3447
 State County Permit

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

OIL & GAS DIVISION
 DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1162 / Watershed: South Fork Hughes River
 District: Southwest / County: Doddridge / Quadrangle: Oxford
- 6) WELL OPERATOR CNG Development Company (142)
 Address c/o Paul W. Garrett, P.O. Box 15746
 Pittsburgh, PA 15244 10110
- 7) DESIGNATED AGENT Gary Nicholas
 Address Crosswind Corporate Park
 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Mike Underwood
 Address Route 2, Box 114
 Salem, WV 26426
- 9) DRILLING CONTRACTOR:
 Name Sam Jack Drilling Co.
 Address P.O. Box 48
 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, Alexander (439)
- 12) Estimated depth of completed well, 5375 feet
- 13) Approximate trata depths: Fresh, None reported feet; salt, None reported 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 FILLUP 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		5375	5375	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 47-017-3447 Date July 3 19 85

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 July 3, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 28	Agent: ALB	Plat: MH	Casing: MH	Fee: 8714
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Margaret J. Nass
 Administrator, Office of Oil and Gas

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

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

File