

WELL REFERENCES: *Jamie 2/7/89*
S45°15'E, 184' TO 10" POPLAR
S06°30'W, 154' TO 10" CHERRY *8/25/89*

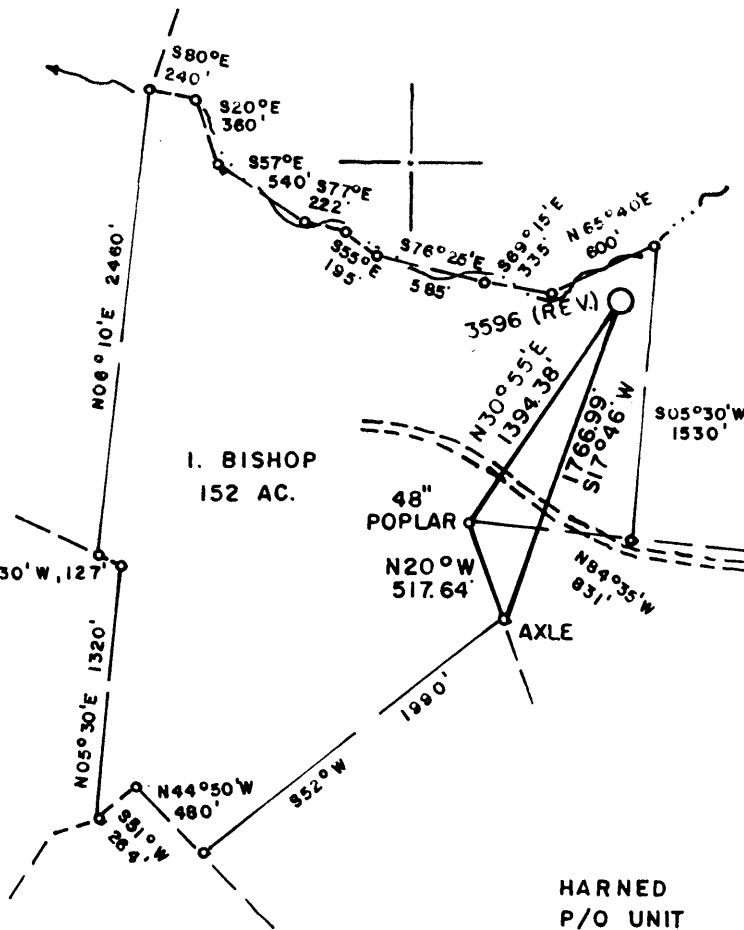
NOTE: NO WELLS WITHIN 3000 FEET.

ELLIOTT & TITCHENELL
P/O UNIT LEASE DV-13173

D.L. CLARK
P/O UNIT
LEASE DV-13085

J.W. CLARK
P/O UNIT
LEASE DV-13091

HARNED
P/O UNIT
LEASE DV-1550



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" = 1000'
MINIMUM DEGREE OF ACCURACY 1 in 2500
PROVEN SOURCE OF ELEVATION TOP OF KNOB 1475' SE. OF LOCATION ELEV. - 2144'

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) *[Signature]*
R.P.E. _____ L.L.S. 674

STEPHEN D. LOSH PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE DECEMBER 29, 19 88
OPERATOR'S WELL NO. 3596 (REV.)
API WELL NO.

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

LOCATION: ELEVATION 1933' WATER SHED CONNER RUN OF CHEAT RIVER
DISTRICT PLEASANT COUNTY PRESTON
QUADRANGLE VALLEY POINT 7.5 min.

SURFACE OWNER JOYCE W. CLARK ACREAGE 152
OIL & GAS ROYALTY OWNER IVAN BISHOP LEASE ACREAGE 152
LEASE NO. DV-13079

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
SEP 1 1989

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION ORISKANY ESTIMATED DEPTH 8190'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

DEEP WELL

H.T. HALL FORM WW-6

LONGITUDE 79° 40' 00"

COUNTY NAME PERMIT

7750' LATITUDE 39°35'00"

WELL REFERENCES: *Janie 2/7/89*
 S45°15'E, 184' TO 10" POPLAR
 S06°30'W, 154' TO 10" CHERRY

NOTE: NO WELLS WITHIN 3000 FEET.

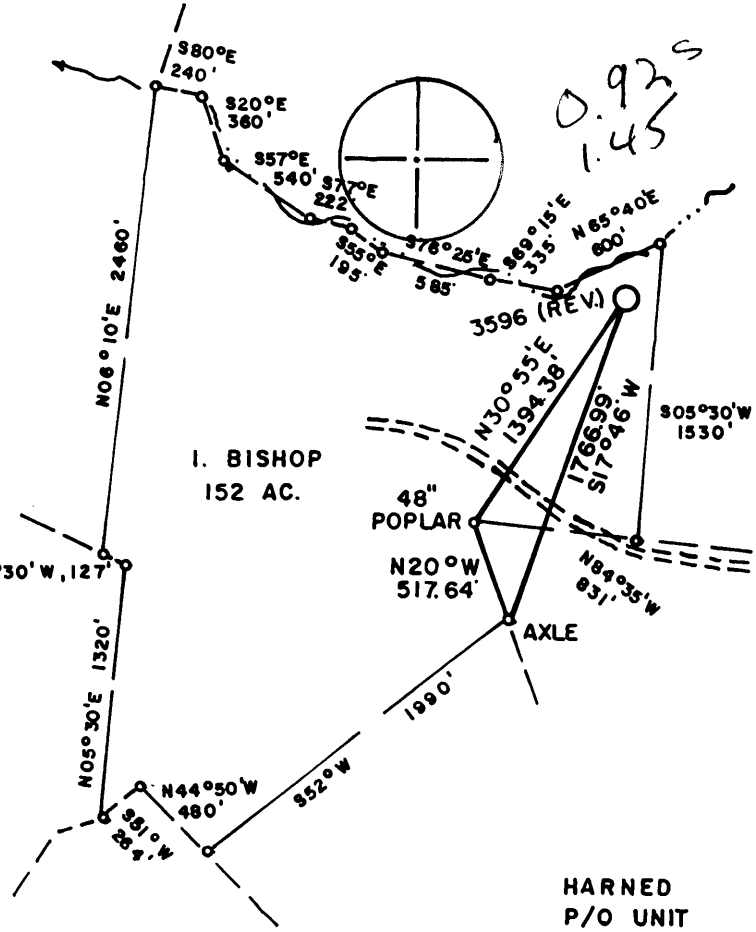
*0.92
1.45*

ELLIOTT & TITCHENELL
 P/O UNIT LEASE DV-13173

D.L. CLARK
 P/O UNIT
 LEASE DV-13085

J.W. CLARK
 P/O UNIT
 LEASE DV-13091

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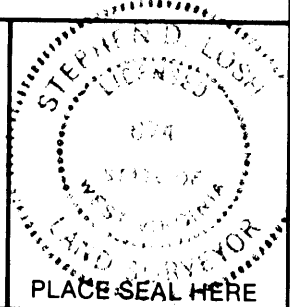
LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2018

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

CR 1/188

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1475' SE. OF LOCATION ELEV. - 2144'

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 DECEMBER 29, 19 88
 OPERATOR'S WELL NO. 3596 (REV.)
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 STATE 47 COUNTY 077 PERMIT 0248

LOCATION: ELEVATION 1933' WATERSHED CONNER RUN OF CHEAT RIVER
 DISTRICT PLEASANT 4 COUNTY PRESTON Mills
 QUADRANGLE VALLEY POINT 7.5 min. 651 0167 Bruceton, SW

SURFACE OWNER JOYCE W. CLARK ACREAGE 152
 OIL & GAS ROYALTY OWNER IVAN BISHOP LEASE ACREAGE 152
 LEASE NO. DV-13079

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 ORISKANY ESTIMATED DEPTH 8190' **FEB 24 1989**

WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY J. BIGGS
 ADDRESS ONE PARK RIDGE CENTER 0142 ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

DEEP WELL 1-0 unnamed (b)

H.T. HALL 48673 FORM WW-6

LONGITUDE 79°40'00"

COUNTY NAME

PERMIT

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AUG 09 1989

21-Feb-89
API # 47- 77-00248

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY Well Operator's Report of Well Work

Farm name: CLARK, JOYCE & VIRGINIA Operator Well No.: CNGD 3596

LOCATION: Elevation: 1933.00 Quadrangle: VALLEY POINT

District: PLEASANT County: PRESTON
Latitude: 4930 Feet South of 39 Deg. 35Min. 0 Sec.
Longitude 7750 Feet West of 79 Deg. 40 Min. 0 Sec.

Company: CNG DEVELOPMENT CO., A DE
P. O. BOX 15746
PITTSBURGH, PA 15244-0000

Agent: RODNEY J. BIGGS

Inspector: DONALD ELLIS
Permit Issued: 02/21/89
Well work Commenced: 05/21/89
Well work Completed: 06/12/89
Verbal Plugging
Permission granted on: 07/18/89
Rotary Cable _____ Rig
Total Depth (feet) 8174
Fresh water depths (ft) 46'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 251 - 256

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
20"	44	44	---
13-3/8"	172	172	To Surf.
9-5/8"	1798	1798	To Surf.
5-1/2"	8197	1269	225 sks
2-3/8"	7725	-0-	----

OPEN FLOW DATA

Producing formation None Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A 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 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 DEVELOPMENT CO., A DELAWARE CORP.

By: [Signature]
Date: July 24, 1989

AUG 18 1989

Pumped 500 gal Acid with 715 bbl 2% KCL; Swabbed Well and Plugged Well as follows:

Set Plug across Perfs. 7020 - 7984, 85 sks cmt.
 Set Bridge Plug @ 7000'
 Cut Pipe at 6928'
 Set Plug on stub 6900 - 6800, 35 sks
 Set Plug @ 4247 - 4147 - 35 sks cmt.
 Set Plug @ 3237 - 3137 - 35 sks cmt.
 Set Plug @ 2100 - 1800, 100 sks cmt.

Total 290 sks Class A Cement
 7500# Gel
 50# Flake
 850# Gilsonite

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DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Sand & Shale	0	251
Coal	251	256
Sand & Shale	256	611
B. Lime	611	717
B. Injun	717	804
Sd, Sh & RR	804	7320
L. Stone	7320	7360
Shale	7360	7735
Onondaga	7735	7757
Chert	7757	7905
Oriskany	7905	7990
Helderberg	7990	8174

7" stream water @ 46'

LOG TOPS

Tully Ls	7296	7355
U. Marcellus Sh	7630	7696
Purcell Ls	7696	7706
L. Marcellus Sh	7706	7740
Onondaga Ls	7740	7757
Huntersville Chert	7757	7888
Needmore Sh	7888	7900
Oriskany	7900	8026
2nd Bench sand	7968	8026
Helderberg	8026	
Total depth	8183	

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FEB 03 1989

- 1) Date: January 19, 1989
- 2) Operator's well number
CNGD 3596
- 3) API Well No: 47 - 077 - 0248
State - County - Permit

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS**

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|---|---|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Joyce W. Clark & Virginia K.</u>
Address <u>Rt. 1, Box 58 Clark</u>
<u>Albright, WV 26519</u></p> <p>(b) Name _____
Address _____</p> <p>(c) Name _____
Address _____</p> | <p>5) (a) Coal Operator <u>Owner (corrected)</u>:</p> <p>Name <u>Calvin R. Basham, Donald R. Basham,</u>
Address <u>Harry W. Basham, Edmond B. Basham</u>
<u>Box 473, Charleston, WV 25322</u></p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>XXXXXXXXXXXX</u>
Address <u>XXXXXXXXXXXX</u>
<u>XXXXXXXXXXXX</u></p> <p>Name <u>XXXXXXXXXXXX</u>
Address <u>XXXXXXXXXXXX</u>
<u>XXXXXXXXXXXX</u></p> <p>(c) Coal Lessee with Declaration</p> <p>Name _____
Address _____</p> |
| <p>6) Inspector <u>Donald Ellis</u>
Address <u>2604 Crab Apple Lane</u>
<u>Fairmont, WV 26554</u>
Telephone <u>(304)-534-5596</u></p> | |

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 X 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)
- X 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.

NOTARIAL SEAL
SHARON L. BROWN, NOTARY PUBLIC
FINDLAY TOWNSHIP, ALLEGHENY COUNTY
MY COMMISSION EXPIRES JUNE 18, 1990

Member, Pennsylvania Association of Notaries

Well Operator Cng Development Company
By: [Signature]
Its: Supervisor Purchasing/Production Services
Address One Park Ridge Center, P. O. Box 15746
Pittsburgh, PA 15244
Telephone (412) 787-4117

Subscribed and sworn before me this 19 day of January, 1989

[Signature] Notary Public
My commission expires June 18, 1990

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

- 1) Well Operator: ¹⁴² CNG Development Co. 10110, 4, 650
- 2) Operator's Well Number: CNGD 3596 3) Elevation: 1933
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep X / Shallow ___ /
- 5) Proposed Target Formation(s): Oriskany 475
- 6) Proposed Total Depth: 8190 feet
- 7) Approximate fresh water strata depths: - 290'
- 8) Approximate salt water depths: - NONE Reported
- 9) Approximate coal seam depths: - 23'-25'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill new well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	13 3/8	K-55	54.5	160	160	To surface 38CSR-18-11.3
Coal						38CSR-11.2.2
Intermediate	9 5/8	K-55	36	1800	1800	To surface 38CSR-18-11.3
Production	5 1/2	M-75	17	8190	8190	250-350 Sks 38CSR-18-11.1
Tubing	2 3/8	J-55	4.7			
Liners						

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FEB 03 1989

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

028/69
3 Fee(s) paid: Plat Well Work Permit Plat Reclamation Fund Plat WPCP
Plat WW-9 Plat WW-2B Plat Bond Blankett Agent
(Type)

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SEP 22 1989

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CLARK, JOYCE & VIRGINIA Operator Well No.: CNGD 3596

LOCATION: Elevation: 1933.00 Quadrangle: VALLEY POINT
District: PLEASANT County: PRESTON
Latitude: 4930 Feet South of 39 Deg. 35 Min. 0 Sec.
Longitude 7750 Feet West of 79 Deg. 40 Min. 0 Sec.

Well Type: OIL _____ GAS X

Company: CNG Development Company
Rt. 2, Box 698
Bridgeport, WV 26330

Coal Operator Calvin R., Donald R., Harr
or Owner and Edmond B. Basham
Box 473, Charleston, WV 25322

Agent: _____
Inspector: Don Ellis
Permit Issued: 08/28/89

Coal Operator _____
or Owner _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Preston ss:

_____ and Nowasco being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by CNG Development Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th & 18th day of July, 1989, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cmt. plug across perfs.	7020	7984		
Bridge Plug @ 7000'				
Cut Pipe			6928'	1269'
35 sks Cmt. Plug	6900	6800		
35 sks Cmt. Plug	4247	4147		
35 sks Cmt. Plug	3237	3137		
100 sks Cmt. Plug	2100	1800		
Used 290 sks Class A Cement, 7500# Gel, 50# Flake, 850# Gilsonite				

Description of monument: 48" x 8" Cap, Vented, With CNGD WN 3596

and that the work of plugging and filling said well was completed on the 18th day of July, 1989.

And further deponents saith not.

Walter Roberts

Sworn and subscribe before me this 18th day of September, 1989
My commission expires: December 08, 1995

Q. A. Evans
~~NOTARY PUBLIC~~

COMMISSIONER FOR WEST VIRGINIA

SEP 20 1989