

(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

LATITUDE 39°22'30"

Jamie 11/16/88

N

MARGARET HAYES

SOPHIE OLIVETO GESSLER
387 AC.

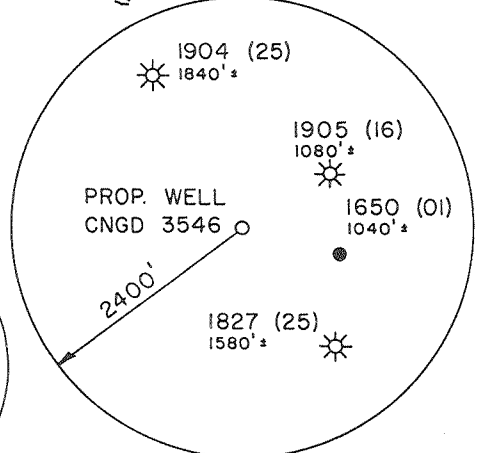


JAMES & IRMENGARD I. LEWIS

LONGITUDE 80°42'30"

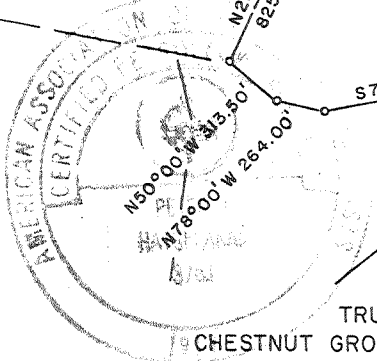
PAUL C. & LOUIS CHILLO

PROP. WELL CNGD 3546



BLONDA STUTLER SMITH

LAYMAN H. & VASTIA SPENCER



TRUSTEES OF CHESTNUT GROVE CHRISTIAN CHURCH

MAGNETIC REFERENCE TIES:
S78°51'W 115.36' TO 22" C.O.
S87°44'W 136.99' TO 24" B.O.

MSES consultants, inc.

FILE NO. MSES 88-866
DRAWN BY AAT/RRC
SCALE 1" = 1000'
MIN. DEGREE OF ACCURACY 1/2500
PROVEN SOURCE OF ELEVATION:
B.M. ELEV. 778', 3,700' N.W. 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.L.S. 652



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE OCTOBER 11, 1988
OPERATOR'S WELL NO. CNGD 3546
API WELL NO. 47 - 017 - 3676
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1130.10' WATERSHED FLINT RUN OF McELROY CREEK
DISTRICT GRANT 3 *centerpoint WC* COUNTY DODDRIDGE
QUADRANGLE SMITHBURG, WV 7.5' 641,022 4 NEAREST TOWN CANTON
SURFACE OWNER SOPHIE OLIVETO GESSLER ACREAGE 387
OIL & GAS ROYALTY OWNER J.D. McREYNOLDS LEASE ACREAGE 1500
LEASE NO. TC-743

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

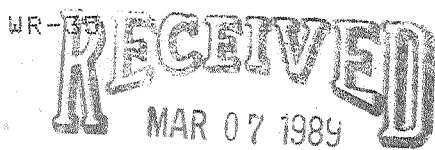
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5612'
WELL OPERATOR CNG DEVELOPMENT DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15745 ROUTE 2 BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

NOV 18 1988

6-6 Swiger (Flint Run) (099)

FORM IV-6

138334



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: GESSLER, SOPHIA OLIVE Operator Well No.: CNGD 3546

Watershed: Flint Run of McElroy Creek

LOCATION: Elevation: 1130.10 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE
Latitude: 2770 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 4350 Feet West of 80 Deg. 42 Min. 30 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 11/16/88
Well work Commenced: 12-22-88
Well work Completed: 01-05-89

Size	Used in	Left	Cement
11 3/4"	232	232	To Surf.
8 5/8"	1559	1559	To Surf.
4 1/2"	5439	5439	175 sks.
1 1/2"	5198	5198	---

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5649
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 310 - 315

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5216-22
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
2/13/89 -- Final open flow 58L MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 350 psig (surface pressure) after 1 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.

Rodney J. Biggs, Manager
For: CNG DEVELOPMENT CO., A DELAWARE CORP.
By: Rod Biggs
Date: February 20, 1989

Perforated Benson 5216 - 22, 21 holes, .39 HSC
 30# Gel Frac - Break 2024, Ave HHP 2033, Ave Rate 33.5, Ave Pres. 2480, Max Tr Pr. 3014,
 500 gal acid, 75,000# Total Sand, Max. Conc. 5#, Total Fluid 934 bbl, SL Fluid 641 bbl,
 ISIP 1938, 5 min 1502.

S.B.T.G.	0	10
Sd, Sh & RR	10	310
Coal	310	315
Sd, Sh & RR	315	2064
Lime & Injun	2064	2320
Sd & Sh	2320	2724
Gordon	2724	3007
4th Sand	3007	3015
Sd & Sh	3015	3480
Warren	3480	3677
Speechley	3677	3782
Sd & Sh	3782	5028
Riley	5028	5124
Benson	5124	5237
Leopold	5237	5340
Sd & Sh	5340	5649

Hole wet - 1/2" @ 400'
 1-1/2" @

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 MAR 07 1989

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

LOG TOPS

Big Lime	2106	2165
Big Injun	2165	2304
Weir	2456	2528
Berea	2660	2668
Gordon Gp	2884	2960
Warren	3536	3582
Benson	5214	5275

017-3676

Issued 11/16/88 Expires 11/16/90

FORM WW-2B

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

- 1) Well Operator: CNG DEVELOPMENT COMPANY 10110, 3, 610
- 2) Operator's Well Number: CNGD 3546 3) Elevation: 1130
- 4) Well type: (a) Oil or Gas /
(b) If Gas: Production / Underground Storage /
Deep Shallow /
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5612 feet
- 7) Approximate fresh water strata depths: 860, 408', 468, 618, 270'
- 8) Approximate salt water depths: 1455
- 9) Approximate coal seam depths: 1158 785-792', 418-422'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 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	11-3/4	H-40	42	200	200	Sand in
Coal						To surface
Intermediate	8-5/8	X-42	23	1550	1550	38CSR18-11.2.2 & 38CSR18-11.3
Production	4-1/2	J-55	10.5	5612	5612	200-400 sks 38CSR18-11.1
Tubing	1-1/2	CN-55	2.75	5512	5512	
Liners						

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PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond 50 Blanket Agent

(Type)

02-7466
33

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Page 1 of
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: November 1, 1988
2) Operator's well number
CNGD 3546
3) API Well No: 47 - 017 - 3676
State - County - Permit

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

- 4) Surface Owner(s) to be served:
 - (a) Name Sophie Olive Gessler
 - Address Center Point Star Route, Box 666
West Union, WV 26456
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
 - Name _____
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name Same as Surface Owner
 - Address _____
 - Name _____
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name _____
 - Address _____
- 6) Inspector Mike Underwood
- Address Route 2, Box 135
Salem, WV 26426
- Telephone (304)- 782-1043

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.

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 1st day of November, 1988
[Signature] Notary Public
 My commission expires June 18, 1990