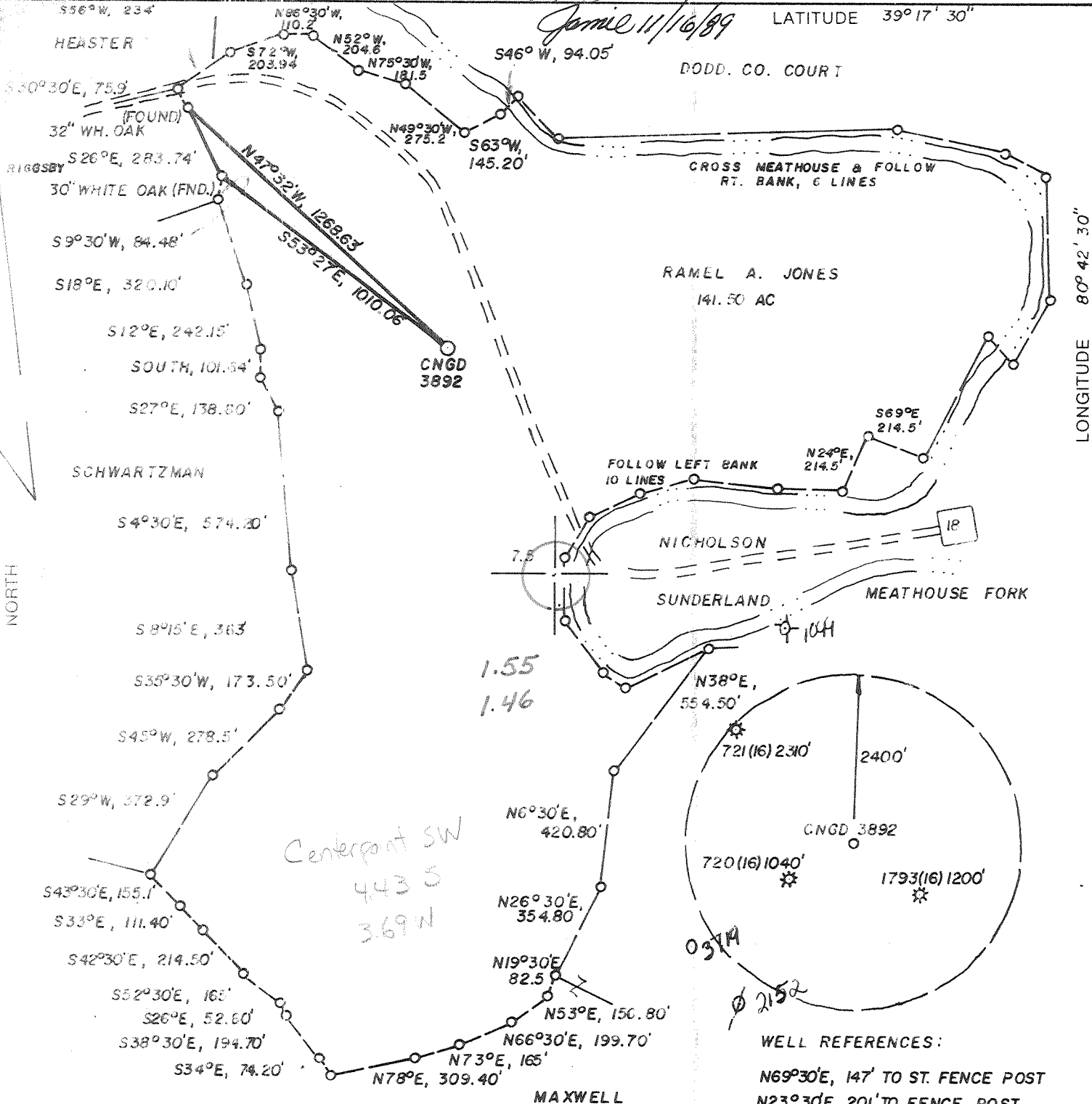


Jan 11/16/89



LONGITUDE 80° 42' 30"

(+) 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 ROAD INT, 3375' NW OF LOC. AT ELEV. 1008'

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. NO. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE Oct. 16, 19 89
 OPERATOR'S WELL NO. CNGD 3892
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 887' WATER SHED MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG, 7.5'
 SURFACE OWNER RAMEL A. JONES HRS. ACREAGE 141.50
 OIL & GAS ROYALTY OWNER LEWIS MAXWELL HRS. LEASE ACREAGE 1562.
 LEASE NO. _____
 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 5142'
 WELL OPERATOR CNG DEVELOPMENT CO. DESIGNATED AGENT RODNEY J. BIGGS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 0142 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: JONES, ~~ALICE J.~~ JULENE Operator Well No.: CNGD 3892

LOCATION: Elevation: 887.00 Quadrangle: SMITHBURG
Watershed: Meathouse Fork
District: NEW MILTON County: DODDRIDGE
Latitude: 8290 Feet South of 39 Deg. 17Min. 30 Sec.
Longitude 7780 Feet West of 80 Deg. 42 Min. 30 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 11/28/89
Well work Commenced: 3/8/90
Well work Completed: 3/14/90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 3/13/90
Fresh water depths (ft) 50'; damp 917'
damp 1010'
Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 190-193; 228-230;
1008-1013

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	35	0	
11 3/4"	194	194	To Surf.
8 5/8"	1288	1288	To Surf.
4 1/2"	5123	5123	250 sks
1 1/2"	4887	4887	----

OPEN FLOW DATA

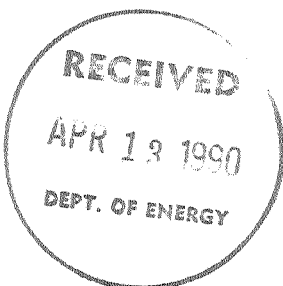
Producing formation Alexander Benson Pay zone depth (ft) 4940-4897
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
3/26/90 Final open flow 516 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 900 psig (surface pressure) after 24 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 DEL. CORP.

By: Rodney J. Biggs
Date: March 27, 1990



APR 20 1990

Perforate Alexander 4934 - 4940, 6 holes; 4917 - 4923, 6 holes; 4897 - 4905, 10 holes; .39 HSC
 Foam Frac (70Q) Alexander - Break 2184, Avg TPSI 3109, Avg. Rate 20 BPM, HHP used 684,
 ISIP 1900, Max Sand Conc. 5#/gal, used 500 gals 15% HCL, 5000# 80/100 Sand, 80,000# 20/40 Sand
 and 725,000 SCFN₂ BHTP = 3550

Perforated Benson Sand 4610 - 4612, 2 holes; 4604 - 4608, 8 holes.

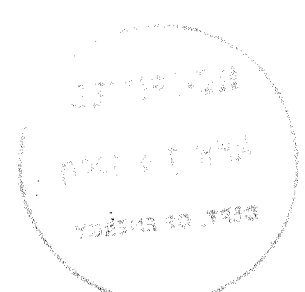
Bradford Sand 4155 - 4159, 8 holes, .39 HSC

Foam Frac (70Q) Benson and Bradford - Break 2700, Avg TPSI 3425, Avg Rate 15 BPM, HHP used
 536, ISIP 2800, Max Sand Conc. 3#/gal, used 500 gals 15% HCL, 5000# 80/100 Sand, 25,500#
 20/40 Sand and 480,000 SCFN₂ BHTP = 3550

Clay, Sand & Shale	0	190	Coal	190 - 193
Coal	190	193		228 - 230
Sand & Shale	193	228		1008 - 1013
Coal	228	230		
Sand, Shale & RR	230	1008		
Coal	1008	1013	1/2" stream water @ 50'	
Sand & Shale	1013	1514	Damp @ 917'	
L. Lime	1514	1537	Damp @ 1010'	
Sand & Shale	1537	1570		
B. Lime	1570	1658		
Shale	1658	1665		
Injun	1665	1722		
Sand & Shale	1722	5173		

LOG TOPS

Little Lime	1514	1556
Big Lime	1556	1650
Big Injun	1650	1720
Greenbrier	1720	
Weir	1870	1960
Berea	2082	2090
Dev. Top	2090	
Gordon Gp.	2290	2322
Warren	2930	2990
Warren Marker	2990	
U. Speechley	3004	3082
Riley	4504	4540
Benson	4600	4642
Leopold	4746	
Alexander	4860	4950



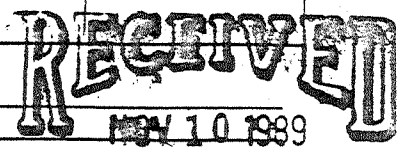
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Expires 12/28/91

- 1) Well Operator: CNG DEVELOPMENT COMPANY 10110 (6) 610
2) Operator's Well Number: CNGD 3892 3) Elevation: 887
4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___
Deep ___ Shallow X /
5) Proposed Target Formation(s): Alexander
6) Proposed Total Depth: 5142 feet
7) Approximate fresh water strata depths: 100, 125' water ETM?
8) Approximate salt water depths: 1055, 1065
9) Approximate coal seam depths: - Possible coal @ 261'-266'
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

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

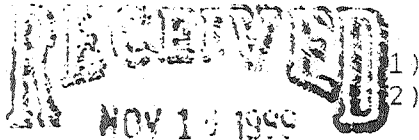


PACKERS : Kind ___ Sizes ___ Depths set ___

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 [] Agent
(Type)



Date: November 3, 1989
Operator's well number
CNGD 3892
API Well No: 47 - 017 - 3759
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

4) Surface Owner(s) to be served:
(a) Name Alice J. Jones
Address New Milton Star Route, Box 7
West Union, WV 26456
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

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 _____

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)

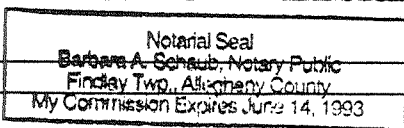
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal 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.

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 3 day of November, 1989

[Signature]
My commission expires _____



Notary Public