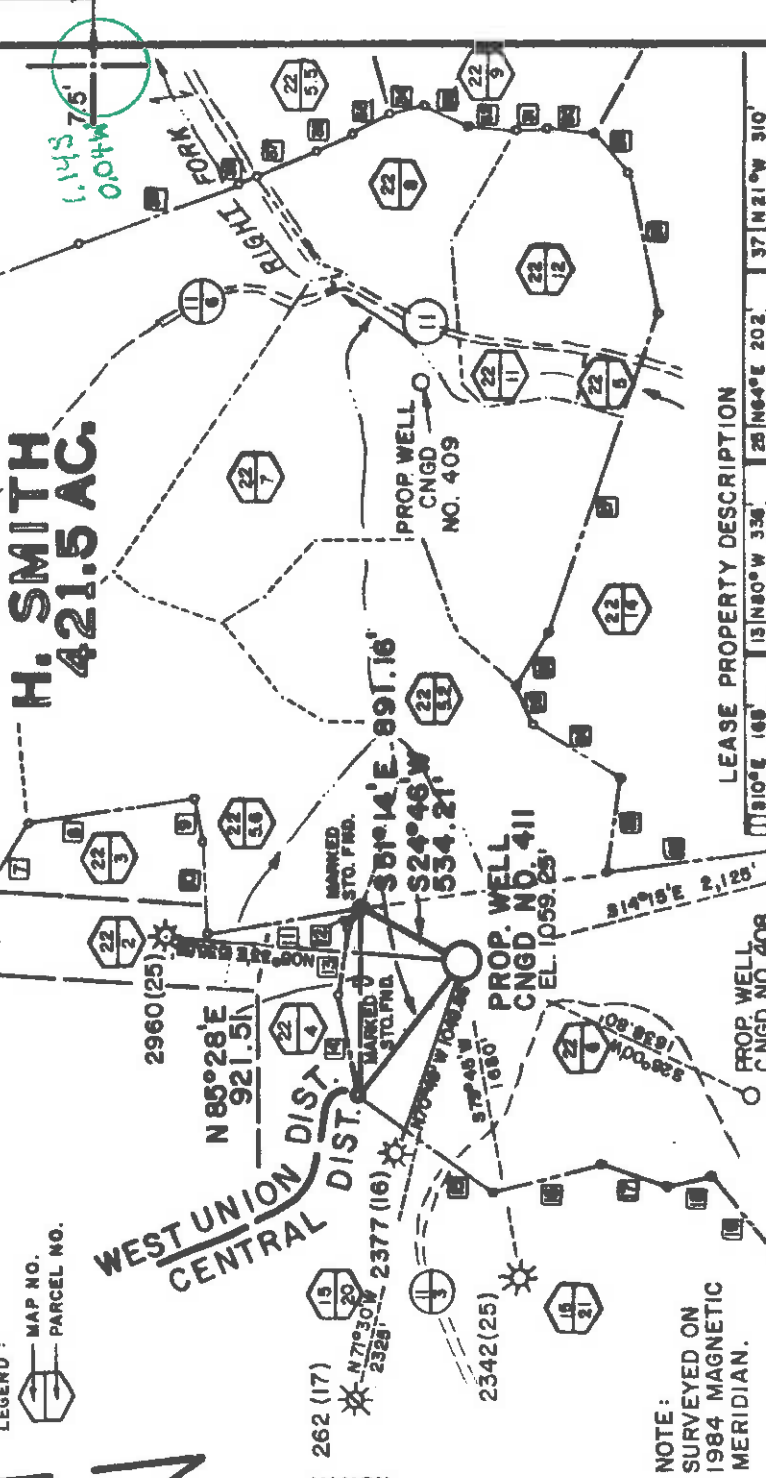


MAP PARCEL PLAT SURFACE OWNER CSD AC.

15	20	GLENN C. CUNNINGHAM, ET UX	65
15	21	"	82.59
19	13	DAVID ELLIOT, JR.	64
19	17	ELWIN LEGGETT	165 AC. 14 P.
19	18	DAVID ELLIOT, JR.	25
19	19	SHIRLEY O. COUCH	51.2
22	2	LARRY DOTSON	20.3
22	3	"	4.9
22	4	"	15.25
22	5	"	5.89
22	5.1	W. F. & C. SIAS	130
22	5.2	RONNIE MCELROY SR., ET UX	47
22	5.4	DANNY E. OREAR, ET AL	46.2
22	5.5	W. F. & C. SIAS	22
22	5.6	JOHN E. WAGNER, III	47
22	7	DANNY E. O'NEAR, ET AL	65
22	8	FRED WOODS, ET UX	18.5
22	9	CLETUS RAY & CHARLOTTE RIGNEY	29.9
22	11	CARSON E. LEGGETT	5
22	12	DILLON ESTATE	25
22	14	JERRY & MAMIE ALLMAN	488
22	16	HAESSLY HARDWOOD LUMBER	65
22	22	CORNELIUS U. ELLIOT	95



LEASE PROPERTY DESCRIPTION

1510°E 168'	15180°W 336'	25166°E 202'	371421°W 319'
2360°W 500'	14878°W 537'	261859°E 306'	381421°W 98'
3234°W 505'	15336°W 890'	271871°E 1750'	391420°W 260'
4158°W 859.25'	16116°E 864'	281479°E 760'	401421°W 948'
5132°W 571'	17110°W 341'	291442°E 280'	411404°30'E 343'
6178°W 190'	1811207°E 212.08'	301407°E 298'	421405°W 348'
71887°30'E 487'	191800°W 541'	311110°W 178'	431404°W 368'
81908°E 860'	201827°30'W 497'	321408°30'E 294'	441404°30'W 348'
9178°30'W 230'	211475°30'E 2360'	331427°E 268'	451405°W 284'
101888°W 440'	221410°W 818'	341417°W 203'	461405°30'W 404'
111806°E 809'	231401°E 890'	351435°30'W 398'	
121446°W 117'	241433°30'E 908'	3614331°W 218'	

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*
 J. S. BAILEY, L.L.S. 652

STATE OF WEST VIRGINIA
 LICENSED LAND SURVEYOR
 No. 652

DATE JANUARY 18 19 84
 OPERATOR'S WELL NO. CNGD NO. 411
 API WELL NO. 47-017-3295
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL LIQUID INJECTION WASTE DISPOSAL SHALLOW
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1059.25' WATER SHED RIGHT FORK
 DISTRICT WEST UNION 8 52.2 COUNTY DODDRIDGE
 QUADRANGLE OXFORD 76 1964 (PHOTOINSPECTED 1976) Holbrook 151 NC²
 SURFACE OWNER CORNELIUS U. ELLIOT ACREAGE 84 0.58
 OIL & GAS ROYALTY OWNER UNION NATION BANK, ET AL LEASE ACREAGE 450 AC. (421.5 Per Abstract)
 LEASE NO. 3390

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 ESTIMATED DEPTH 5600'
 TARGET FORMATION ALEXANDER 14A
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
 PITTSBURGH, PA 15224 ROUTE 2, BOX 698 BRIDGEPORT, WY 26330

ALLEN BLUEPRINT Co. 7 6.6
 Straight Fork -
 Bailey Bluestone Road
 OK EJD 2-6-84
 (12.2)
 Charleston, WV

IV-35
(Rev 8-81)

REC'D
JUN 1 1984



DEPT. OF MINES
OIL & GAS DIVISION
State of West Virginia
Department of Mines
Oil and Gas Division

Date 05/30/84
Operator's
Well No. CNGD 411
Farm H. Smith
API No. 47 - 017 - 3295

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: 1059.25 Watershed Right Fork
District: West Union County Doddridge Quadrangle Oxford 7.5' (1964)

COMPANY CNG DEVELOPMENT COMPANY

ADDRESS P O BOX 15746, PITTSBURGH, PA 15275
DESIGNATED AGENT GARY A. NICHOLAS
ADDRESS RT. 2, BOX 698, BRIDGEPORT, WV 26330
SURFACE OWNER CORNELIUS U. ELLIOTT
ADDRESS 225 FOLEY ST., BRIDGEPORT, WV 26330
MINERAL RIGHTS OWNER UNION NATIONAL BANK et al

ADDRESS P O BOX 442, CLARKSBURG, WV 26301
OIL AND GAS INSPECTOR FOR THIS WORK
H.M. Underwood ADDRESS Rt 2, Box 114, Salem, WV 26426
PERMIT ISSUED 03/26/84
DRILLING COMMENCED 04/17/84
DRILLING COMPLETED 04/25/84

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

Casing Tubing	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1864	1864	To Surf
7			
5 1/2			
4 1/2	5377	5377	500 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5600 feet

Depth of completed well 5463 feet Rotary X / Cable Tools

Water strata depth: Fresh 125' feet; Salt 1060' feet

Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5169 - 5204 feet

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

Final open flow 1055 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 1125 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 **JUN 25 1984**

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

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

Allegheny Nuclear Perforated: 5169 - 5175; 4 holes
 5181 - 5183; 2 holes
 5191 - 5193; 2 holes
 5198 - 5204; 4 holes
 Total 12 holes (.41")

Halliburton Foam Fractured: 70,000# Sand, 500 gal M.O.D. 202 Acid,
 320 BBL Water, 812,000 SCF N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill & Sh			0	15	Including indication of all fresh and salt water, coal, oil and gas 125' - 1/4" stream water
R.R., Sd & Sh			15	1910	1060' Hole damp
Lime & Sh			1910	1940	
B Lime			1940	2000	
B Injum			2000	2055	
Sd & Sh			2055	3630	
Upper Speechly			3630	3676	
Shale			3676	3736	
Speechly			3736	3860	
Sd & Sh			3860	<u>5463 T.D.</u>	Alex. O.T.D.
<u>LOG TOPS</u>					
Big Injun			1972	2050	
Gordon Stray/Gordon			2617	2769	
Balltown			4036	4289	
Benson			4884	4897	
Alexander			5133	5267	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By:



Date: May 30, 1984

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 well, encountered in the drilling of a well."



1) Date: February 7, 19 84
 2) Operator's Well No. 411
 3) API Well No. 47 - 017 - 3295 State County Permit

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

4) WELL TYPE: A Oil Gas B (If "Gas", Production Underground storage Deep Shallow
 Elevation: 1059.25 Watershed: Right Fork (Photoinspected 1976)
 District: West Union County: Doddridge Quadrangle: Oxford 7.5' 1964
 6) WELL OPERATOR CNG Development Company 7) DESIGNATED AGENT Mr. Gary Nicholas
 Address One Park Ridge Center, P.O. Box 15746 Address Crosswind Corporate Park
Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Mr. H. M. Underwood
 Address Rt. 2, Box 114 Name Sam Jack Drilling Company
Salem, WV 26426 Address P. O. Box 48
Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____

11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5440 feet
 13) Approximate trata depths: Fresh, _____ feet; salt, 1478 feet.
 14) Approximate coal seam depths: 600 Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP (Cubic feet)	Kinds
	Size	Grade	Weight per ft.	New	Used		
Conductor							
Fresh water	11-3/4	H-40	42	X		30	To surface
Coal							By rule 15.05
Intermediate	8-5/8	X-42	23	X		1159	By Rule 15.05
Production	4-1/2	J-55	10.5	X		1700	Depths set
Tubing	1-1/2	CN-55	2.75	X		5440	200-400
Liners							OR AS REG. BY RULE 15.01
							Perforations:
							Top
							Bottom

Permit number 47-017-3295 OFFICE USE ONLY
 DRILLING PERMIT
 Date March 26, 1984

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 March 26, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>SLANKEY</u>	<u>LO MH</u>	<u>MA</u>	<u>MA</u>	<u>000-238</u>

[Signature]
 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

