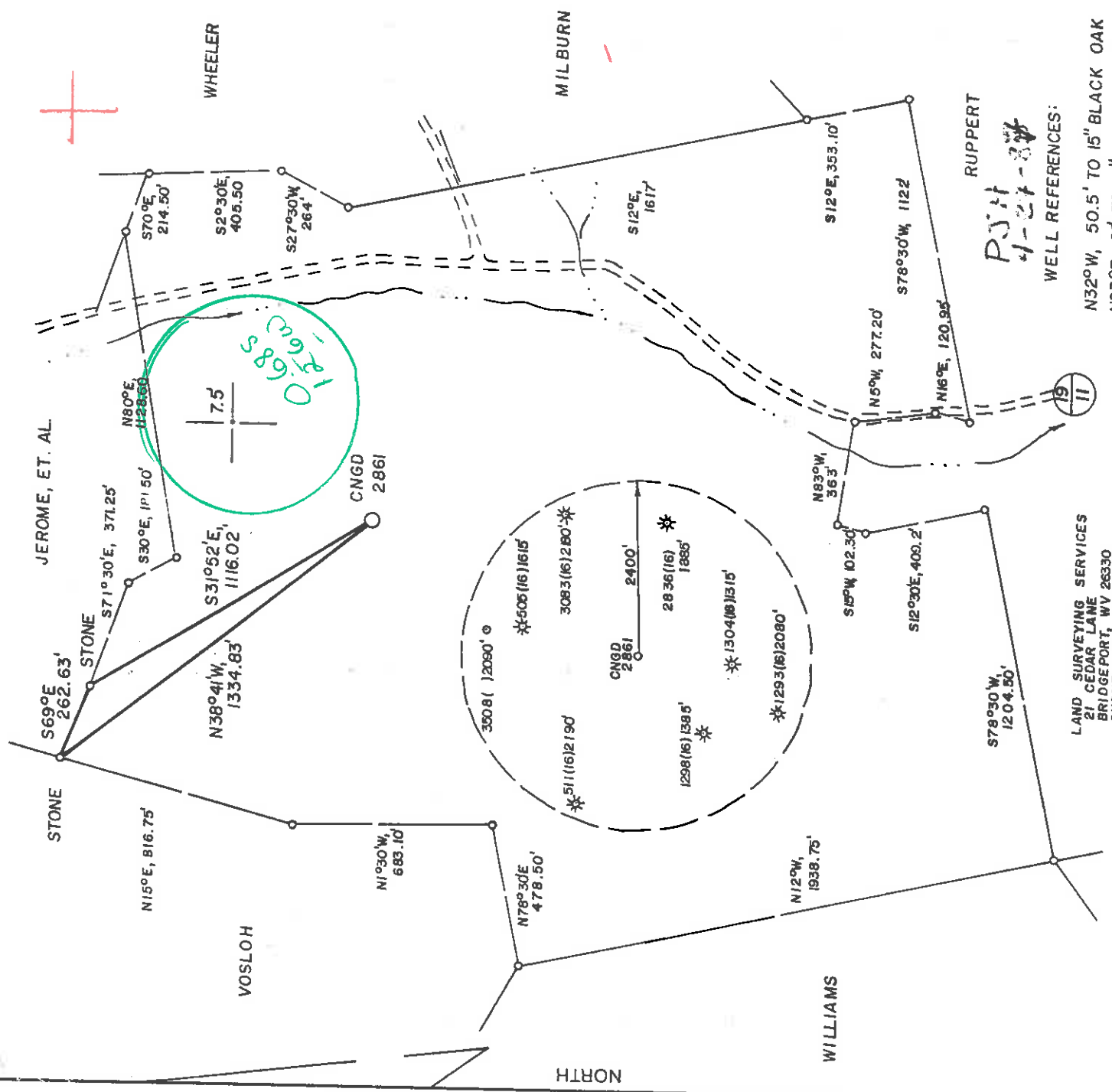


APR 7/1/87

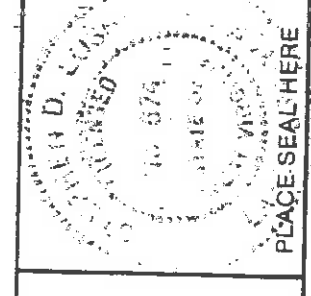
LATITUDE 39° 10' 00"  
LONGITUDE 80° 45' 00"



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 500'  
MINIMUM DEGREE OF \_\_\_\_\_  
ACCURACY 1/16" IN 200'  
PROVEN SOURCE OF \_\_\_\_\_  
ELEVATION ROAD INT. 865' SE. OF \_\_\_\_\_  
LOC. AT ELEV. 938'

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

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) \_\_\_\_\_  
R.P.E. \_\_\_\_\_ I.L.S. NO. 674  
STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

DATE MARCH 16, 19 87  
OPERATOR'S WELL NO. CNGD 2861  
API WELL NO. \_\_\_\_\_  
PLACE SEAL HERE

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL PERMIT  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ELEVATION 1085.4' WATER SHED MIDDLE FORK COUNTY DODDRIDGE  
DISTRICT COVE 2  
QUADRANGLE OXFORD 7.5 526 058 EC 6 Holbrook  
SURFACE OWNER LUCIUS TALLMAN & ALVIN E. PONDER  
OIL & GAS ROYALTY OWNER C. L. CHAPMAN LEASE ACREAGE 200.  
LEASE NO. DV 11202

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 5465'  
WELL OPERATOR CNG DEVELOPMENT CO. DESIGNATED AGENT GARY A. NICHOLAS  
ADDRESS ONE PARK RIDGE CENTER 142 ADDRESS RT. 2, BOX 698  
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

6-6 Straight Fork-Bluestone Creek (133)

PERMIT  
JUL 27 1987

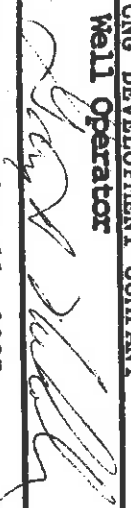
COUNTY NAME



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.  
 ALLEGHENY PERF. BRADFORD 4400 - 4407, 24 HOLES, .39";  
 BALLTOWN 3940 - 3972, 20 HOLES, .39"; SPEECHLEY 3228 - 3336,  
 26 HOLES, .39"; DOWELL WATER FRAC 1ST STAGE - GEL 30,  
 BREAKDOWN 2300, AVE HHP 1800, AVE RATE 30 BPM, AVE PR 2450,  
 MAX TR PR 3000, 500 GAL 15% ACID, TOTAL SAND 25,300, MAX  
 CONC 3, TOTAL FLUID 469, SL FLUID 264, ISIP 960. 2ND STAGE  
 GEL SYSTEM 30, BREAKDOWN 2150, AVE HHP 1785, AVE RATE 30 BPM  
 AVE PR 2430, MAX TR PR 2800, 500 GAL 15% ACID, TOTAL SAND  
 27,220, MAX CONC 3, TOTAL FLUID 543, SL FLUID 321, ISIP 1190  
 5 MIN SIP 1020. 3RD STAGE - GEL 30, BREAKDOWN 1400, AVE HHP  
 1060, AVE RATE 30 BPM, AVE PR 1440, MAX TR PR 2865, 500 GAL  
 15% ACID, 58,650# SAND, MAX CONC 5, TOTAL FLUID 716, SL FL  
 505, ISIP 572, 5 MIN 500

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all trees and salt water, coal, oil and gas
Fill			0	3	Damp @ 60'
Sand Shale & RR			3	1840	
Lime			1840	1970	
Injun			1970	2028	
Sand & Shale			2028	4627	
LOG TOPS ✓					
Big Lime			1886	1956	
Big Injun			1956	2028	
Welr			2152	2260	
Gantz			2354	2370	
Gordon Grp.			2534	2584	
Warren			3200	3243	
U. Speechley			3264	3340	
Balltown			3936	3982	
Bradford			4360	4450	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY  
 Well Operator  
 By:   
 Date: December 11, 1987

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  
 events, encountered in the drilling of a well."

RECEIVED  
 DEC 21 1987  
 DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY



