

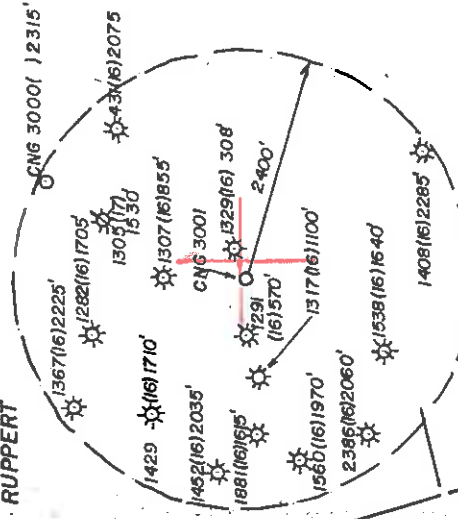
8690

8/12/87

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

LATITUDE 39° 10' 00"

LONGITUDE 80° 45' 00"



WILLIAMS
S42°W
511.50'

LEESON
S63°W
742.50'

S47°W, 495'

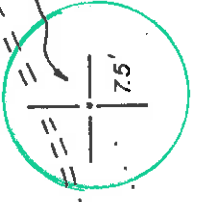
S54°W, 181.50'

S50°W, 99'

S26°W,
148.50'

WELL REFERENCES:
N68°E, 135.5' TO 2" WHITE ASH
S5°W, 109.5' TO 5" DOUBLE RED MAPLE

NORTH



1.0650
1.0200

HUSK
N15°W, 2970'

S36°E, 396'

LEESON
S8°E, 330'

S22°E, 251.63'

S13°E,
457.88'

N84°E,
204'

S12°03'W
430.95'

N70°E,
429.75'

32" CHESTNUT
OAK
LEESON

N48°50'W, 416.94'

23" CHESTNUT OAK
S70°E, 313.50'

S76°E, 1122'

CONLEY
N52°E, 742.50'

MEADE
N4°W,
767.25'

S75°W, 825'

P.I.H
6-26-87

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

FILE NO. WILLIAMS

DRAWING NO. _____

SCALE 1" = 500'

MINIMUM DEGREE OF

ACCURACY 1 IN 200

PROVEN SOURCE OF

ELEVATION ROAD INT. 1490' NW.

OF LOCATION AT ELEV. 882'

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. NO. 674

STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 16, 19 87

OPERATOR'S WELL NO. CNGD 3001

API WELL NO. _____

47-017-3583

STATE COUNTY PERMIT

DODDRIDGE

ACREAGE 170.14

LEASE NO. DV 11438

WASTE DISPOSAL _____

SHALLOW _____

MIDDLE _____

FORK _____

COVE _____

OXFORD 7.5' 526 0586

JAMES H. FOSTER

THURMAN SPURGEON

LEASE ACREAGE 170.

DRILL DEEPER _____

REDRILL _____

FRACTURE OR

PLUG OFF OLD FORMATION _____

PERFORATE NEW

FORMATION _____

OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

CLEAN OUT AND REPLUG _____

ESTIMATED DEPTH 5590'

ALEXANDER

CNG DEVELOPMENT COMPANY

DESIGNATED AGENT GARY A. NICHOLAS

ONE PARK RIDGE CENTER 142 ADDRESS ROUTE 2, BOX 698

PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

AUG 31 1987

COUNTY NAME

PERMIT

FORM MW-2 (B) FILE COPY
 RECEIVED
 AUG 11 1987

1) Date: June 30, 19 87
 2) Operator's Well No. CNGD 3001
 3) API Well No. 47 017 3583
 State County Permit



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

4) WELL TYPE: A Oil Gas
 B (if "Gas", Production Underground storage Deep Shallow
 5) LOCATION: Elevation: 1082 Watershed: Middle Fork
 District: Cove 2 County: Doddridge 017 Quadrange: Oxford 525
 6) WELL OPERATOR: CNG Development Co. CODE: 1010 7) DESIGNATED AGENT Gary Nicholas
 Address c/o Cheryl S. Hartle P.O. Box 15746
 Pittsburgh, PA 15244 Address Crosswind Corporate Park
 Rt. 2, Box 698, Bridgeport, WV 26330
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Mike Underwood
 Address Route 2, Box 114
 Salem, WV 26426
 9) DRILLING CONTRACTOR:
 Name Sam Jack Drilling Co.
 Address P.O. Box 48
 Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill deeper Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 11) GEOLOGICAL TARGET FORMATION, Alexander
 Other physical change in well (specify)
 12) Estimated depth of completed well, 5590 feet
 13) Approximate trata depths: Fresh, 220 feet; salt, 1575 feet.
 14) Approximate coal seam depths: Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS		
	Size	Grade	Weight per ft.	New	Used			For drilling	Left in well
Conductor	11-3/4	H-40	42		X	250	250	To surface	By rule 15.05
Fresh water									
Coal									
Intermediate	8-5/8	X-42	23		X	1825	1825	To surface	By rule 15.05
Production	4-1/2	J-55	10.5		X	5590	5590	200 - 400	Depths set
Tubing	1-1/2	CN-55	2.75		X				By rule 15.01
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3583

August 27 19 87
 Date

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 August 27, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Fee:	Other:
		225	
		01/10/74	

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File