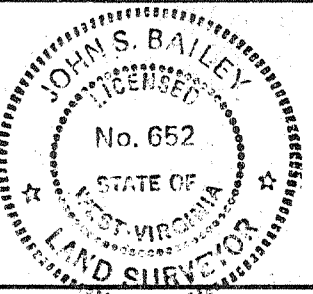


MSES consultants, inc.
 FILE NO. MSES 88-825
 DRAWN BY HDW/VSH
 SCALE 1" = 500'
 MIN. DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION:
ELEV. 785' AT JCT. OF RTS. 3 & 5,
3050' SW OF LOCATION

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 MAY 24, 1988
 OPERATOR'S WELL NO. CNGD 3354
 API WELL NO. 47 - 017 - 3672
 STATE _____ COUNTY _____ PERMIT _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1193.73' WATERSHED BRUSH RUN OF MIDDLE ISLAND CREEK
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5' NEAREST TOWN CANTON

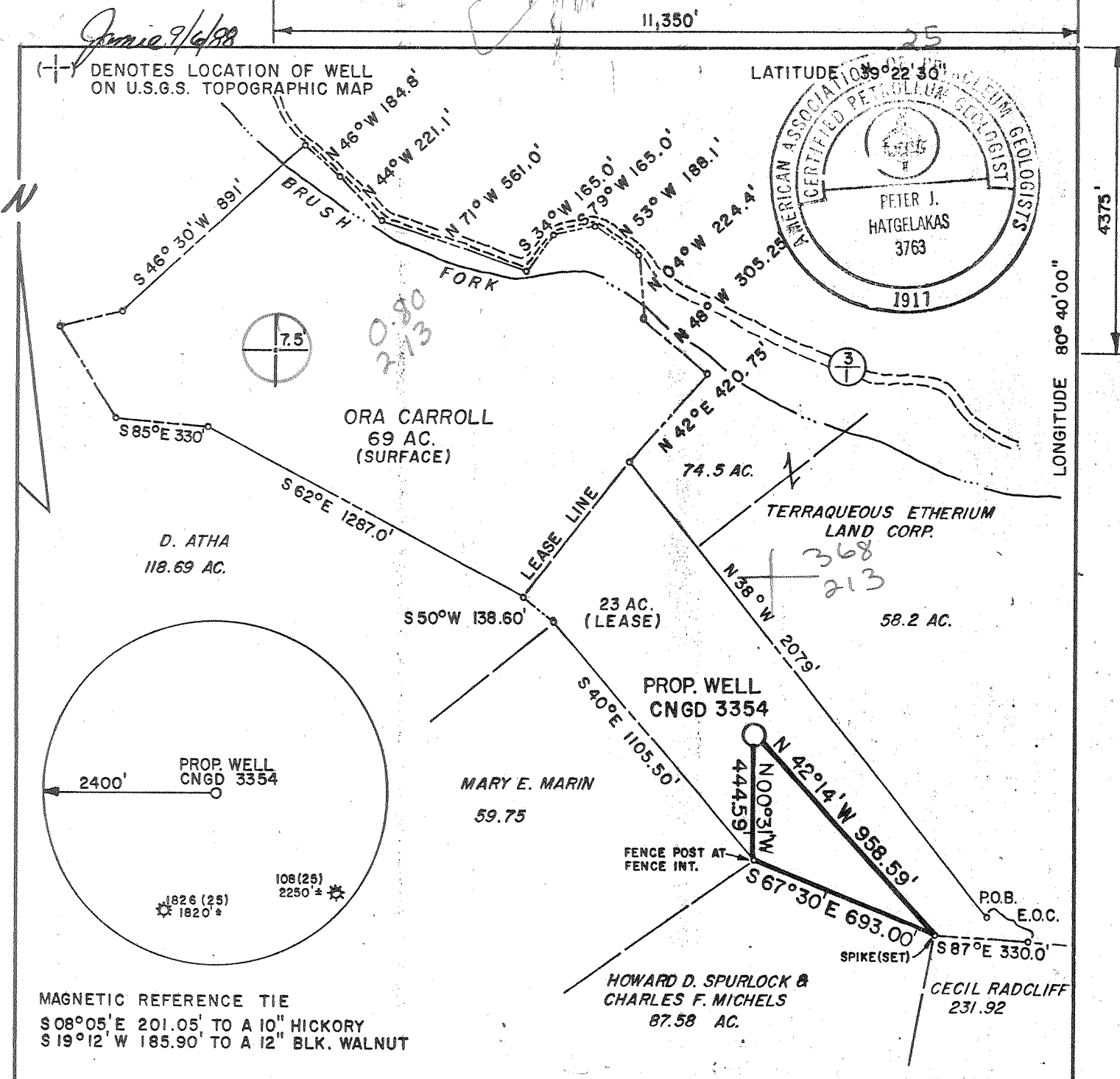
SURFACE OWNER ORA & SARAH J. CARROLL ACREAGE 69
 OIL & GAS ROYALTY OWNER T. WILLIAMS LEASE ACREAGE 23

LEASE NO. DV18444

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 5630'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15746 ROUTE 2 BOX 698
PITTSBURGH, PA. 15244 BRIDGEPORT, WV 26330

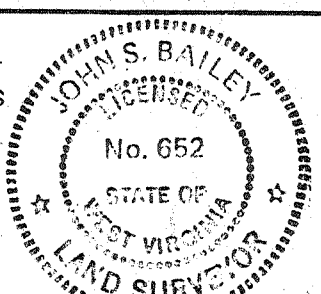
FORM IV-6



MSES consultants, inc.
 FILE NO. MSES 88-825
 DRAWN BY HDW/VSH
 SCALE 1" = 500'
 MIN. DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION:
ELEV. 785' AT JCT. OF RTS. 3 & 5,
3050' SW 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
 P.E. _____ L.L.S. 652



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 24, 1988
 OPERATOR'S WELL NO. CNGD 3354
 API WELL NO. 47-017-3672
 STATE _____ COUNTY _____ PERMIT _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1193.73' WATERSHED BRUSH RUN OF MIDDLE ISLAND CREEK
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5' 611 022 4 NEAREST TOWN CANTON

SURFACE OWNER ORA & SARAH J. CARROLL ACREAGE 69
 OIL & GAS ROYALTY OWNER T. WILLIAMS LEASE ACREAGE 23
 LEASE NO. DV18444

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 5630' SEP 19 1988
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15746 ROUTE 2 BOX 698
PITTSBURGH, PA. 15244 BRIDGEPORT, WV 26330

FORM IV-6

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

- 1) Well Operator: CNG DEVELOPMENT COMPANY (10110) (6) (610)
- 2) Operator's Well Number: CNGD 3354 3) Elevation: 1193.7
- 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: 5630 feet
- 7) Approximate fresh water strata depths: 669, 1228 *also 90, 170*
- 8) Approximate salt water depths: -
- 9) Approximate coal seam depths: 1229 518-522', 768-771' *Possible 1415-1416' Coal Occurrence*
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill new well
- 12)

RECEIVED
AUG 29 1988
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	11-3/4	H-40	42	200	200	To surface
Coal						To surface
Intermediate	8-5/8	X-42	23	1500	1500	38CSR18-11.2.2 & 38CSR18-11.3
Production	4-1/2	J-55	10.5	5630	5630	200-400 sks 38CSR18-11.1
Tubing	1-1/2	CN-55	2.75	5530	5530	
Liners						

RECEIVED
AUG 29 1988

PACKERS : Kind
 Sizes
 Depths set

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

025640
88

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 500 Blanket Agent
 (Type)

1) Date: August 17, 1988
2) Operator's well number
CNGD 3354
3) API Well No: 47 - 017 - 3672
State - County - Permit

RECEIVED
AUG 29 1988

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY
Surface Owner(s) to be served:
(a) Name GAS Ora & Sarah J. Carroll
Address Route 2

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 ~~Owner~~ Owner
Name Audrey C. Keller
Address 1752 Knollwood Dr.
Akron, OH 44312

(b) Coal Owner(s) with Declaration
Name Willa Lee Vanscoy
Address 206 Cottage Ave.
West Union, WV 26456
Name Lenora Murphy
Address RFD 1, Box 27
Clarksburg, WV 26301

~~Coal Owner with Declaration~~
Name James H. Pope Heirs
Address c/o Wilma Pope Alonso, Executrix
1308 N. 23rd St., Clarksburg, WV 26301

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 [Signature]
By: CNG Development Co.
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 17th day of August, 1988

[Signature]
My commission expires June 18, 1990