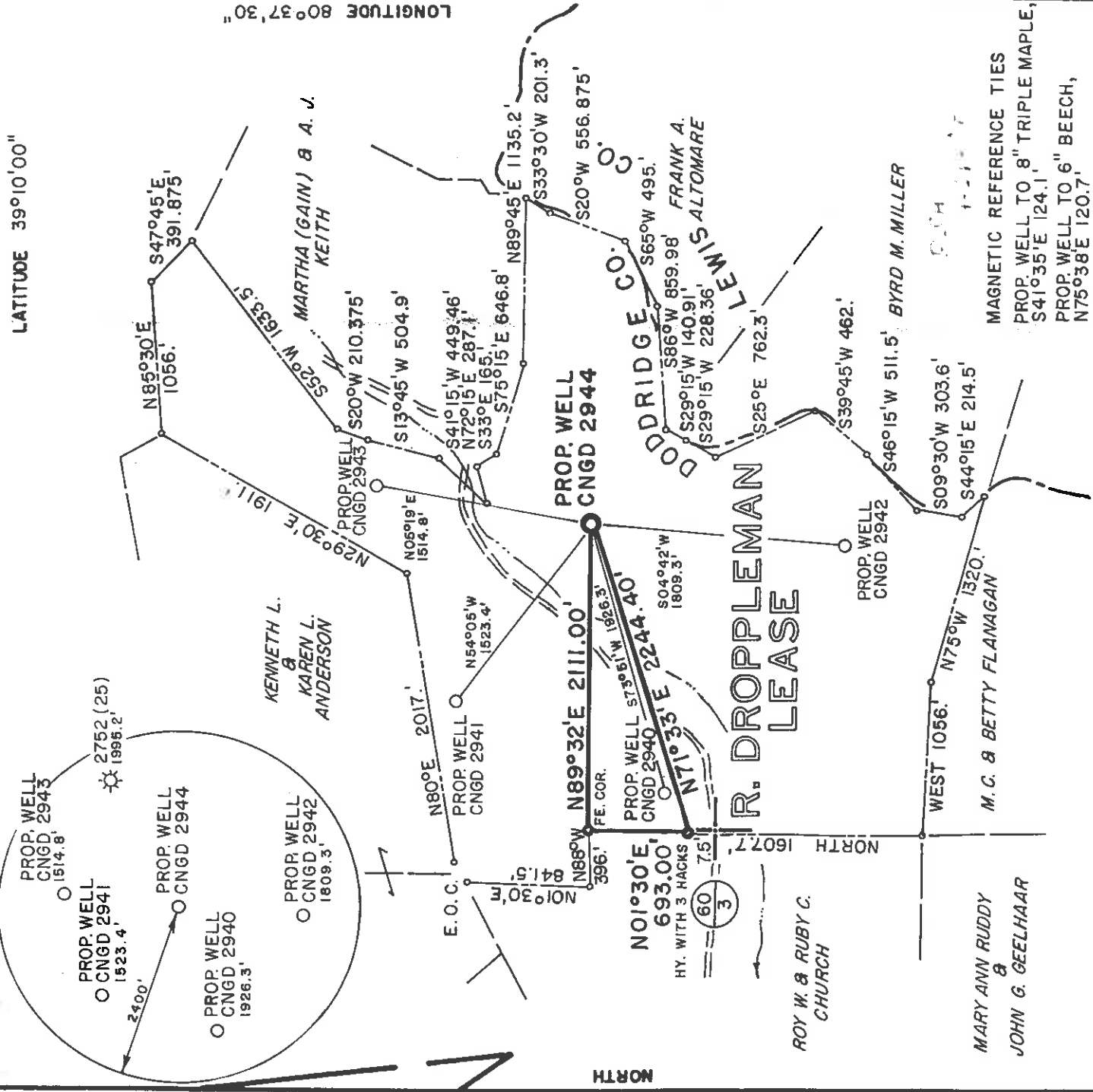


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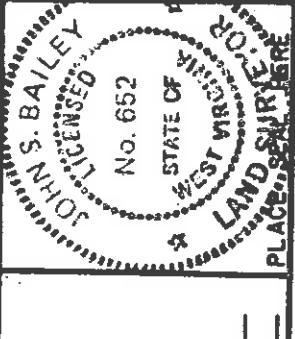
LATITUDE 39°10'00"

LONGITUDE 80°37'30"



FILE NO. MSES 87-753  
 DRAWN BY SARC/HDW  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION I. CO. RIS. 60 & 60/3, EL. 879, 4400' 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.I.S. 652



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



Department of Mines  
 Oil & Gas Division

DATE MARCH 19 19 87  
 OPERATOR'S WELL NO. CNGD 2944  
 API WELL NO. 47-017-3553  
 STATE WV COUNTY PUTNAM PERMIT CANCELLED

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 ( IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1084.5' WATER SHED SAND FORK OF LITTLE KANAWHA RIVER  
 DISTRICT COVE COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON, WV 7.5' NEAREST TOWN SAINT CLARA  
 SURFACE OWNER BARBARA A. DOYLE ACREAGE 299.23  
 OIL & GAS ROYALTY OWNER R. DROPPLEMAN LEASE NO. DV-18522 LEASE ACREAGE 374

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 5470' **SEP 29 1989**  
 TARGET FORMATION DEVONIAN SHALE  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
 ADDRESS P.O. BOX 15746 ADDRESS ROUTE 2, BOX 698  
PITTSBURGH, PA 15244 ADDRESS BRIDGEPORT, WV 26330

MSES consultants, inc.

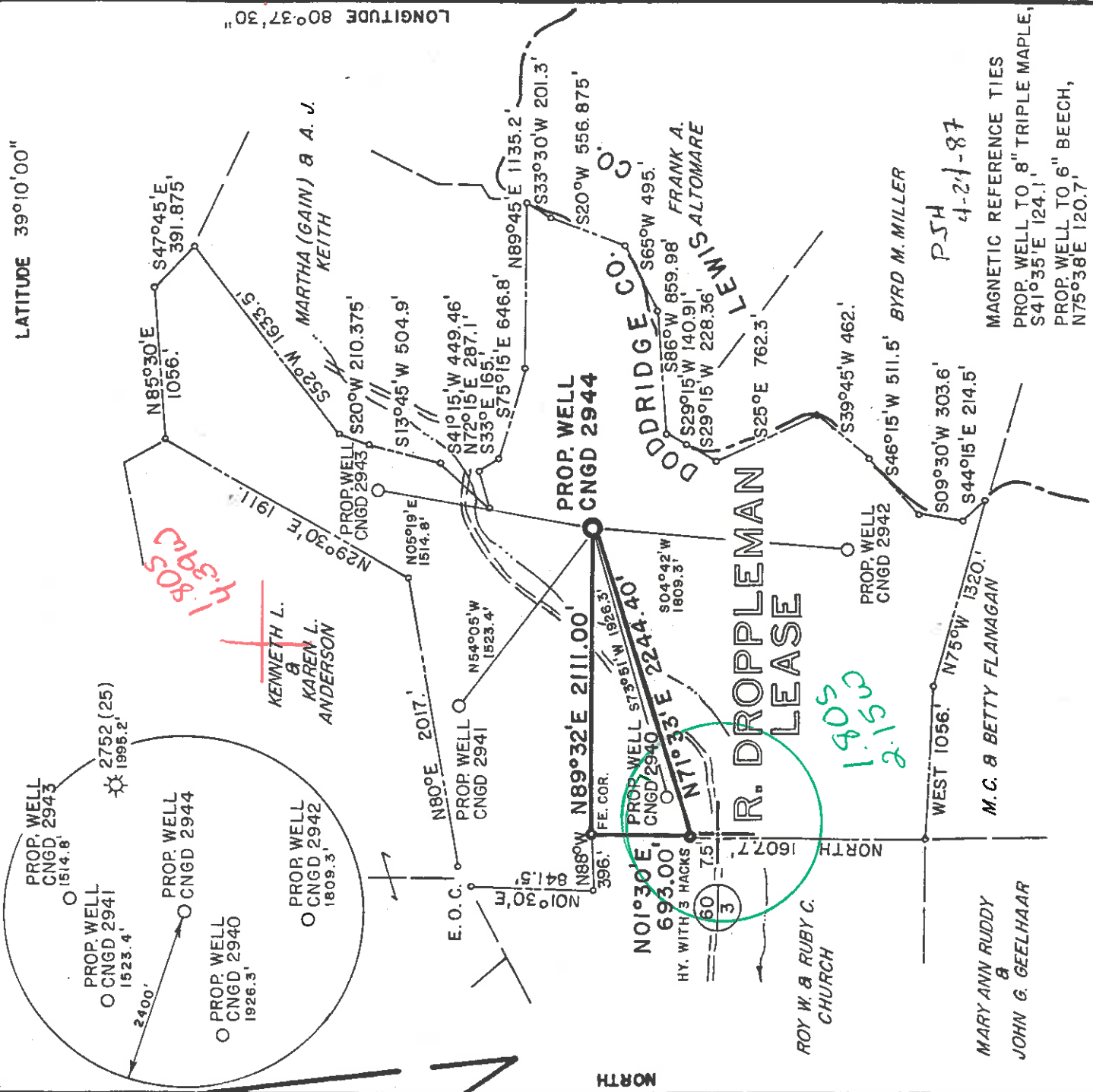
Clarksburg, WV

Dopp. 3553

11,400'

LATITUDE 39°10'00"

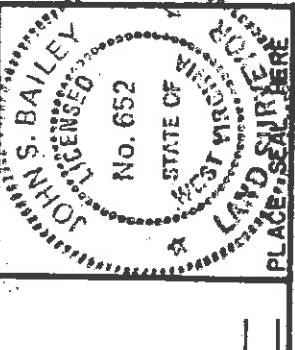
LONGITUDE 80°37'30"



FILE NO. MSES 87-753  
 DRAWN BY SARC/HDW  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION INT. CO. BIS. 60 & 60/3, EL. 879, 4400' SW OF LOCATION

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV - 6  
 (8 - 78)

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. N.Y.S. 652



Department of Mines  
 Oil & Gas Division

DATE MARCH 19 19 87  
 OPERATOR'S WELL NO. CNGD 2944  
 API WELL NO. 47-017-3553  
 STATE WV COUNTY PUTNAM PERMIT 3553

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1084.5' WATER SHED SAND FORK OF LITTLE KANAWHA RIVER  
 DISTRICT COVE 2 COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON, WV 7.5' 511 NEAREST TOWN SAINT CLARA  
 SURFACE OWNER BARBARA A. DOYLE 143 S ACREAGE 299.23  
 OIL & GAS ROYALTY OWNER R. DROPPLEMAN LEASE NO. DV-18522 LEASE ACREAGE 374

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 DEVONIAN SHALE ESTIMATED DEPTH 5470'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
 ADDRESS P.O. BOX 15746 142 ADDRESS ROUTE 2, BOX 698  
PITTSBURGH, PA 15244 JUN 08 1987 BRIDGEPORT, WV 26330

1) Date: April 29, 1987  
 2) Operator's Well No. CNGD 2944  
 3) API Well No. 47 State 017 County 3553 Permit



**RECEIVED**  
MAY 18 1987

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

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

4) WELL TYPE: A Oil  Gas   
 B (If "Gas", Production  Undergrnd storage  Deep  Shallow   
 5) LOCATION: Elevation: 1084.5 Watershed: Sand Fork of Little Kanawha River  
 District: Cove County: Doddrige 017 Quadrangle: New Milton  
 6) WELL OPERATOR: CNG Development Co. CODE: 10110 7) DESIGNATED AGENT: Gary Nicholas  
 Address: Cheryl S. Hartle 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: Mike Underwood Name: Sam Jack Drilling Co.  
 Address: Route 2, Box 114 Address: P.O. Box 48  
Salem, WV 26426 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, 5470 feet  
 13) Approximate true depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ feet. 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		
Conductor							
Fresh water	1 1/4	H-40	42	X		650' to 250'	To surface By rule 15.05
Coal							
Intermediate	8-5/8	X-42	23	X		1425	To surface By rule 15.05
Production	4-1/2	J-55	10.5	X		5470	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 47-017-3553 Date June 5 19 87

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 June 5, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>AS</u>	Casing Fee: <u>13368</u>	WP/CP Fee: <u>18</u>	Other Fee: <u>18</u>
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NOTE: Keep one copy of this permit posted at the drilling location.  
 Director, [Signature] Division of Oil and Gas File

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

1015