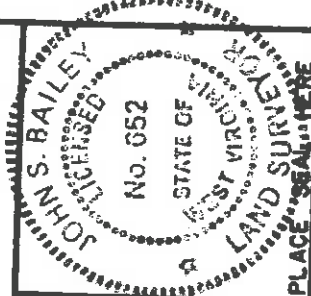


FILE NO. MSES 87-752
 DRAWN BY SARC/HDW
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. CO. RIS. 60 & 60/3, EL. 879, 5150' SW OF LOCATION

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) J. S. Bailey
 R.P.E. J.S. L.S. 652



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



DATE MARCH 19 19 87
 OPERATOR'S WELL NO. CNGD 2943
 API WELL NO. 47-017-3562
 STATE WV COUNTY CLARK PERMIT CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1018.8' 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 ACREAGE 374
 LEASE NO. DV-18522
 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 5450'
 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.

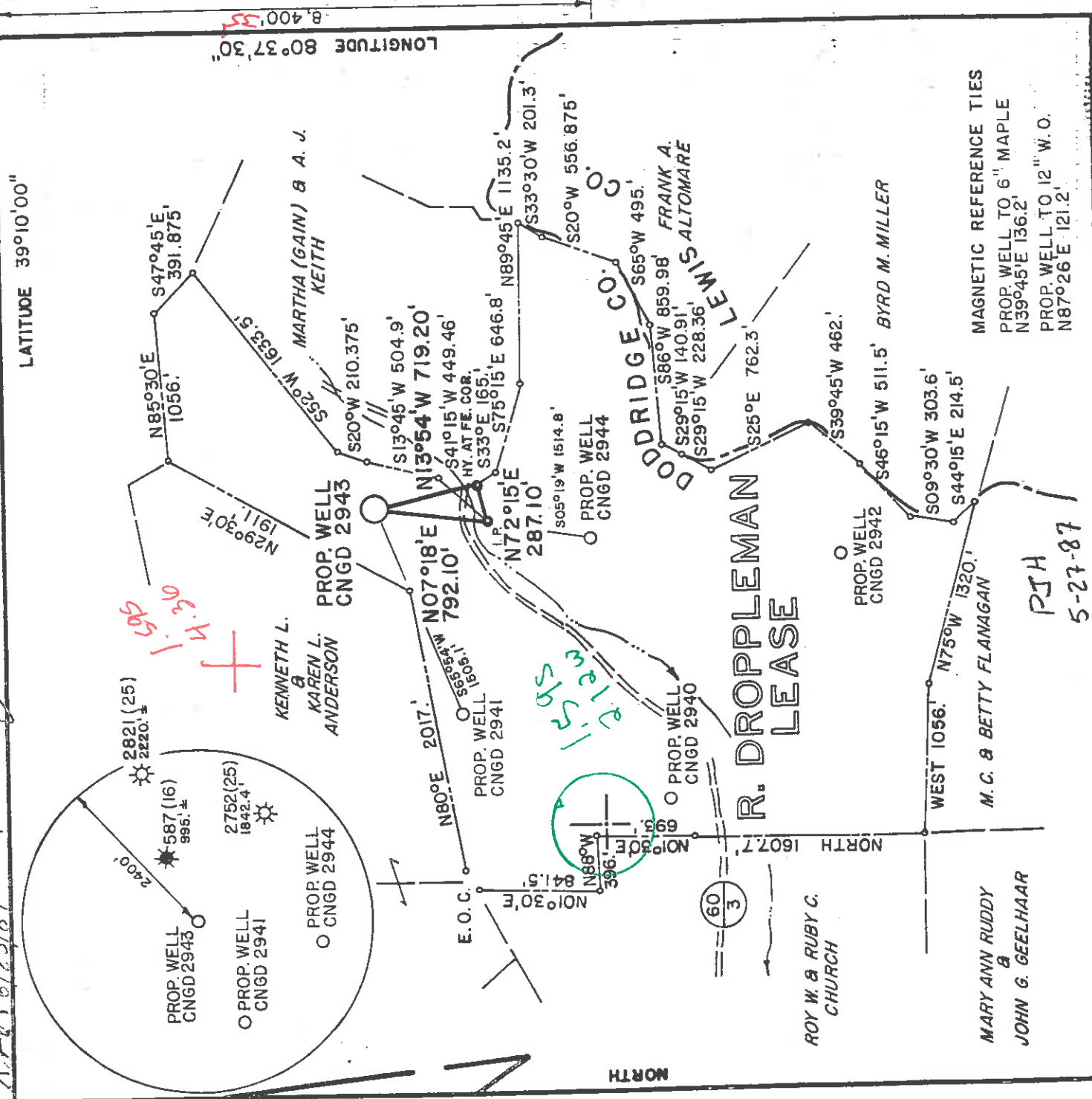
Clarksburg, WV

FEB 24 1989

Dodd 3562

LONGITUDE 80°37'30"

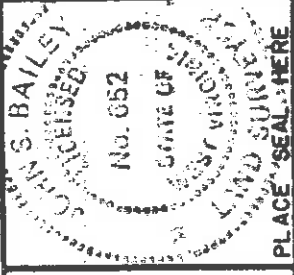
87-752 6/23/87



LATITUDE 39°10'00"

LONGITUDE 80°37'30"

MAGNETIC REFERENCE TIES
 PROP. WELL TO 6" MAPLE
 N39°45'E 136.2'
 PROP. WELL TO 12" W.O.
 N87°26'E 121.2'



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.S. 652

FILE NO. MSES 87-752
 DRAWN BY SARG/HDW
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. CO. RTS. 60.8 60.3, EL. 879, 5150' SW OF LOCATION

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

DATE MARCH 19 19 87
 OPERATOR'S WELL NO. CNGD 2943
 API WELL NO. 47-017-3562
 STATE WV COUNTY PUTNAM PERMIT HERE



Department of Mines
 Oil & Gas Division

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL SHALLOW DEEP
 (IF "GAS", PRODUCTION STORAGE SAND FORK OF LITTLE KANAWHA RIVER
 LOCATION: ELEVATION 1018.8' WATER SHED SAINT CLARA COUNTY DODDRIDGE
 DISTRICT COVE 2 NEAREST TOWN SAINT CLARA ACREAGE 299.23
 QUADRANGLE NEW MILTON, WV 7.5' 31
 SURFACE OWNER BARBARA A. DOYLE
 OIL & GAS ROYALTY OWNER R. DROPPLEMAN ACREAGE 12.28 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 5450' JUL 6 1987
 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 142 ADDRESS BRIDGEPORT, WV 26330

MSS consultants, inc. Clarksburg, WV

FORM WW-2 (B) FILE COPY
RECEIVED
 JUN 15 1987



1) Date: May 28, 1987
 2) Operator's Well No. CNGD 2943
 3) API Well No. 47 State 017 County 3562 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 Undergrnd storage Deep Shallow
 Elevation: 1018.8 District: Cove County: Doddridge Quadrangle: New Milton 510
 5) LOCATION: 2
 6) WELL OPERATOR: CNG Development Co CODE: 1010 7) DESIGNATED AGENT Gary Nicholas
 Address c/o 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 / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____

11) GEOLOGICAL TARGET FORMATION, Alexander _____ feet
 12) Estimated depth of completed well, 5450 feet
 13) Approximate traata depths: Fresh, No info available salt, _____ feet.
 14) Approximate coal seam depths: No info available Is coal being mined in the area? Yes _____ / No X

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.	For drilling	Left in well	Kind	
Conductor	11-3/4	H-40	42	<u>2500</u>	<u>2500</u>	To surface	By rule 15.05
Fresh water							Sizes
Coal	8-5/8	X-42	23	1300	1300	To surface	By rule 15.05
Intermediate Production	4-1/2	J-55	10.5	5450	5450	200 - 400	Depths set
Tubing	1-1/2	CN-55	2.75				By rule 15.01
Liners							Perforations:
							Top
							Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3562 Date July 2 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, and subject to any modifications and conditions specified on the reverse hereof.
 Permit expires July 2, 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"/>	Fee: <u>18893</u>	Other: <input type="checkbox"/>
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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.
John L. Johnston
 Director, Division of Oil and Gas

10307

