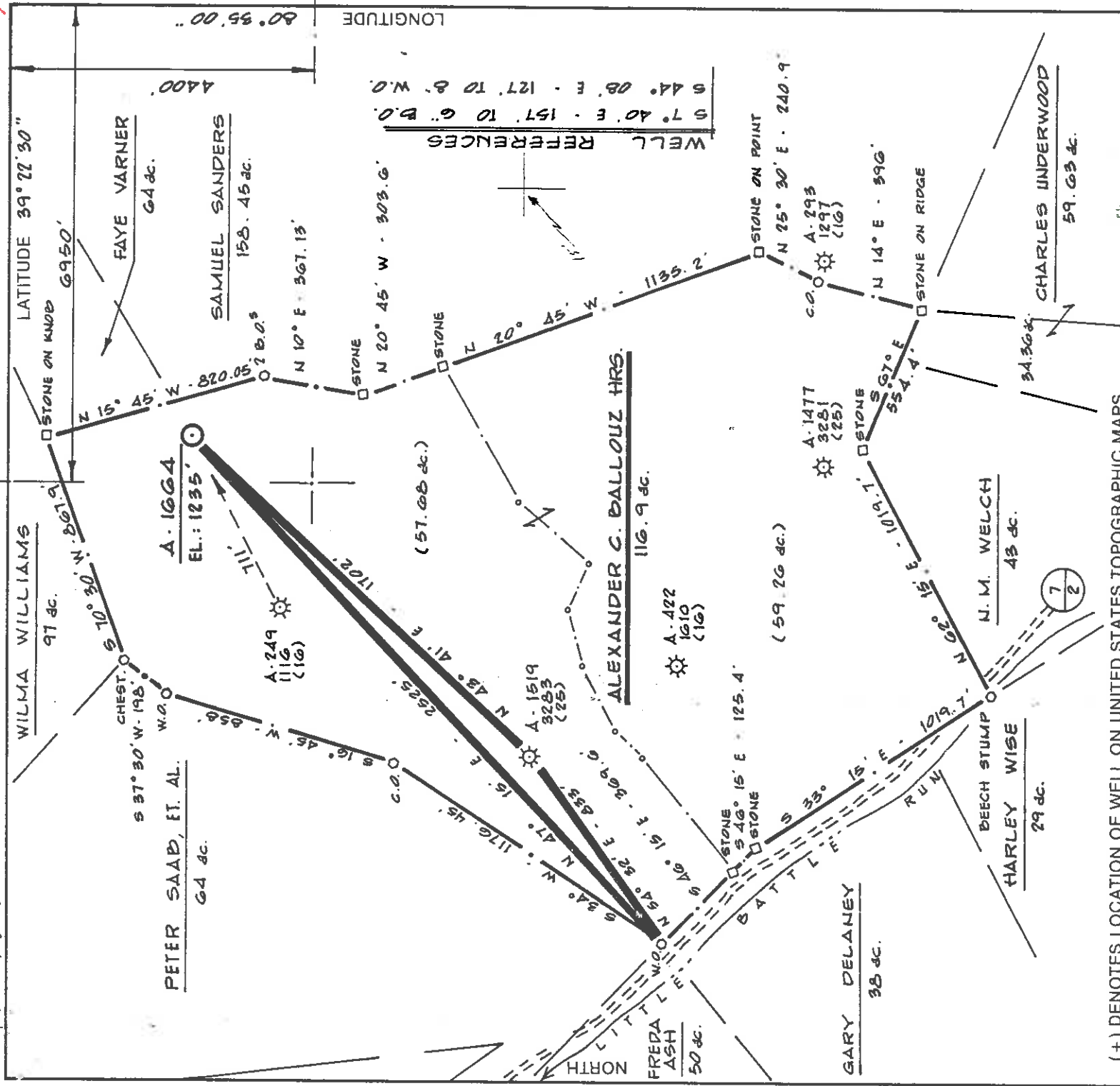


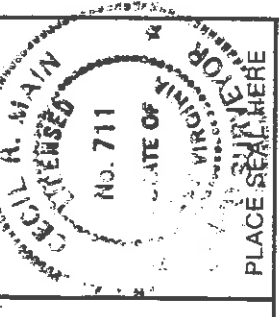
11/13-83



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

FILE NO. RM / SP
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF _____
 ACCURACY 1: 200
 PROVEN SOURCE OF _____
 ELEVATION A. 249 EL. = 1003'
 * 1116 (16)

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) Cecil R. Mann
 R.P.E. _____ L.S. 111



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 10.15 1984
 OPERATOR'S WELL NO. A. 1664
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL PERMIT
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1235 WATERSHED LITTLE BATTLE RUN COUNTY CANCELLLED
 DISTRICT McCLELLAN COUNTY DODDRIDGE
 QUADRANGLE SALEM T.S. Carterport
 SURFACE OWNER J.O. KELLEY
 OIL & GAS ROYALTY OWNER ALEXANDER C. BALLOUZ, HRS. LEASE ACREAGE 116.94

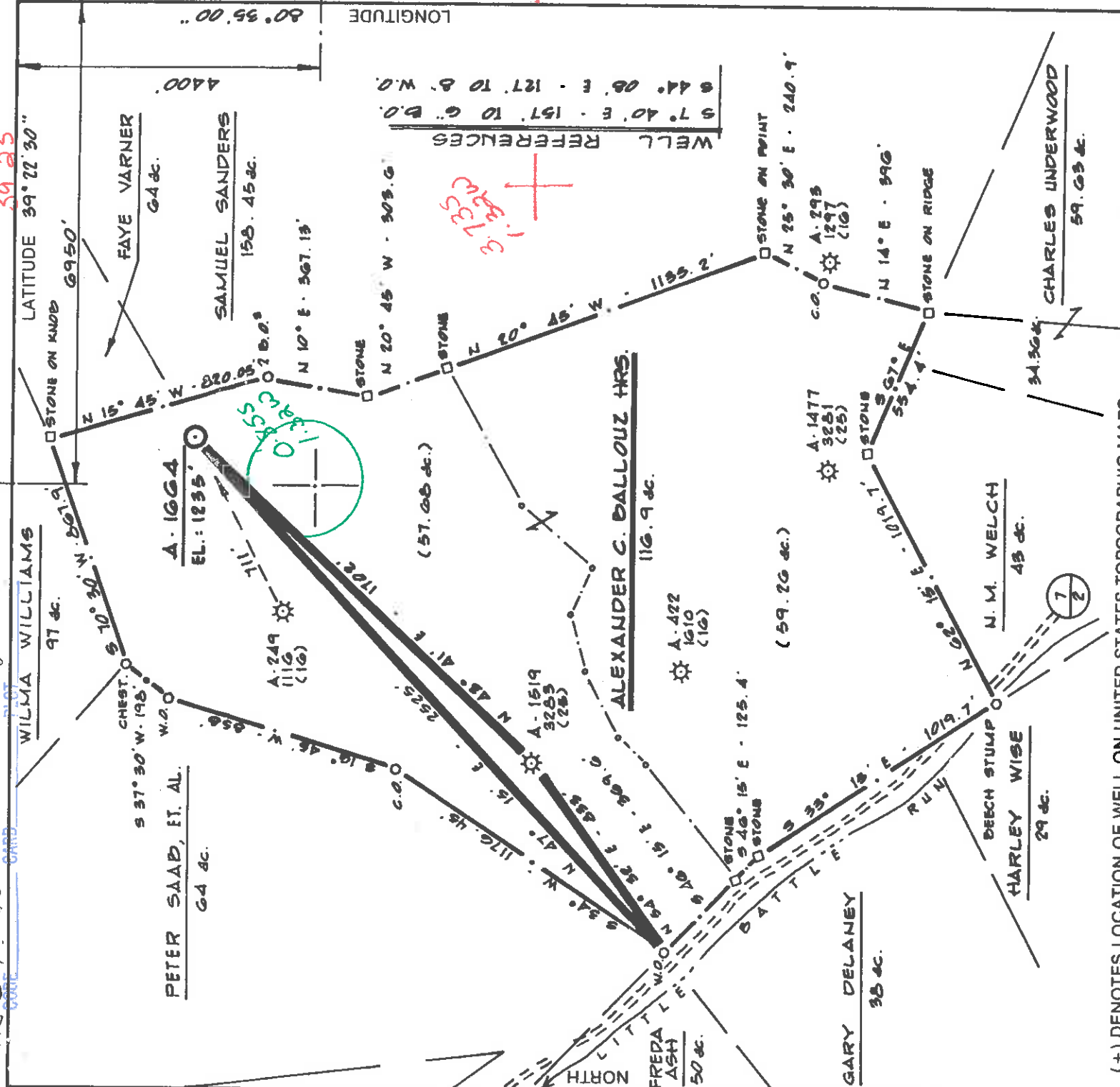
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 LEASE NO. 456
 ACREAGE 57.68

PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5800'
 WELL OPERATOR ALAMCO 010 DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.V. ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.
26302 - 1740 26302 - 1740

017 0000. COUNTY NAME
 3411 PERMIT

11/13 3-14-83

39.25



LONGITUDE 80° 55' 00"

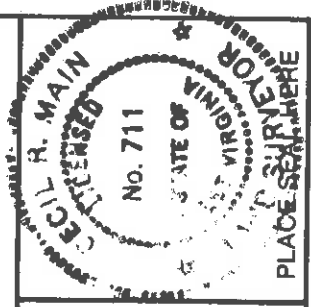
LATITUDE 39° 22' 30"

WELL REFERENCES
S 7° 40' E - 157' 10" B.O.
S 44° 08' E - 127' 10" B.W.O.

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

FILE NO. RM/SP
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION A-249 EL.: 1063'
 # 1116 (16)

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) Cecil R. Main
 R.P.E. _____ L.L.S. 711



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 10.15 19 84
 OPERATOR'S WELL NO. A-1664
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____ STATE 47 COUNTY 017 PERMIT 3417
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1235 WATER SHED LITTLE BATTLE RUN
 DISTRICT McCLELLAN 5 COUNTY DDDRIDGE
 QUADRANGLE SALEM T. 5 Continent 15' 0.5
 SURFACE OWNER J.O. KELLEY ACREAGE 57.68
 OIL & GAS ROYALTY OWNER ALEXANDER C. BALLOUZ, HRS. LEASE ACREAGE 116.94

PROPOSED WORK: DRILL CONVERT 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 5800'
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740, CLARKSBURG, W.V. ADDRESS P.O. BOX 1740, CLARKSBURG, W.V.
010 26302 - 1740 26302 - 1740

017 0000.
COUNTY NAME

PERMIT

MAR 25 1985

FILED **RECEIVED**

FEB 19 1985

1) Date: February 6, 1985 85

2) Operator's Well No. A-1664 (Ballouz)

3) API Well No. 47 - 017 - 3417
State County Permit

STATE OF WEST VIRGINIA
OIL & GAS DIVISION
DEPT. OF MINES FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil Gas B (If "Gas", Production Underground storage Deep Shallow
5) LOCATION: Elevation: 1235' Watershed: Little Battle Run
District: McClellan County: Doddridge Quadrangle: Salem 7.5'
6) WELL OPERATOR: P. O. Box 1740 P. O. Box 1740
Address: Clarksburg, WV 26301 975 Clarksburg, WV 26301

8) OIL & GAS INSPECTOR TO BE NOTIFIED: Mike Underwood
Name: Mike Underwood
Address: Route 2, Box 114
Salem, WV 26426

7) DESIGNATED AGENT: Daniel L. Wheeler
Address: P. O. Box 1740
Clarksburg, WV 26301

9) DRILLING CONTRACTOR: Development Drilling Corporation
Name: Development Drilling Corporation
Address: P. O. Box 1740
Clarksburg, WV 26301

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
Plug off old formation Perforate new formation Other physical change in well (specify): Alexander

11) GEOLOGICAL TARGET FORMATION, 5800'
12) Estimated depth of completed well, 100' feet
13) Approximate true depths: Fresh, 800' feet; salt, 600' ? 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.	For drilling	Left in well		
Conductor	11-3/4"			20'	20'	Cement to surface	
Fresh water							
Coal							
Intermediate	8-5/8"		20#	1300'	1300'	Cement to surface	NEAT
Production	4-1/2"		10.50#	5800'	5800'	Req. by Rule	15.40#
Tubing							
Liners							

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3417

Date March 19, 1985

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 March 19, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
4	MW	MW	MW	1660

Margaret J. Hase
Administrator, Office of Oil and Gas

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.

File