



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ALAMCO WELL No. 420 (1609) ELEV. 1180'

REFERENCE

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 Strickling
 R.P.S. — L.S. 715

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

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL — GAS LIQUID INJECTION — WASTE DISPOSAL _____
 (IF " GAS ", PRODUCTION STORAGE DEEP SHALLOW)
 LOCATION: ELEVATION 1341 — WATER SHED WALDO RUN
 DISTRICT GRANT 611 COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG, W.V. 7 1/2' Centerpoint 15' 5C8
 SURFACE OWNER KENNETH POWELL ACRES 130.022
 OIL & GAS ROYALTY OWNER C.L. FRUM LEASE NO. 485 LEASE ACRES 147

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ MUDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

DATE 27 DECEMBER, 1983
 OPERATOR'S WELL NO. A-1438
 API WELL NO. 47-017-3334
 STATE COUNTY PERMIT

PLUG AND ABANDON — CLEAN OUT AND REPLUG _____
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5775' MAY 29 1984
 WELL OPERATOR ALAMCO 010 DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. Box 1740 ADDRESS P.O. Box 1740
 CLARKSBURG, W.V. 26302-1740 CLARKSBURG, W.V. 26302-1740

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1) Date: May 1, 19 84
 2) Operator's Well No. A-1438 (Frum)
 3) API Well No. 47 - 017 - 3334
 State County Permit

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

4) WELL TYPE: A Oil Gas
 B (if "Gas", Production
 5) LOCATION: Elevation: 1341' Undergrnd storage Deep Shallow
 Watershed: Waldo Run
 District: Grant County: Doddridge Quadrange: Smithburg 7.5'
 6) WELL OPERATOR Alameo Address P. O. Box 1740
Clarksburg, WV 26301
 7) DESIGNATED AGENT D. L. Wheeler
Clarksburg, WV 26301
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Harold Mike Underwood Address Route 2, Box 114
Salem, WV 26426
 9) DRILLING CONTRACTOR:
 Name Development Drilling, Inc. 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:
 12) Estimated depth of completed well, 5775 feet
 13) Approximate trata depths: Fresh, 5775 feet; salt, 371 feet.
 14) Approximate coal seam depths: 849-850 Is coal being mined in the area? Yes No

RECEIVED
 MAY 11 1984

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)
	Size	Grade	Weight per ft.		
Conductor	16"			For drilling 20'	Left in well 20'
Fresh water					
Coal	8-5/8"		20#	1200'	Cement to surface
Intermediate					
Production	4-1/2"		J.55	5775'	Cement to surface
Tubing			10.50#		Req. by Rule 15.01
Liners					

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3334 Date May 23, 19 84

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 May 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKE	Agent: <u>SA T.S.</u>	Plat:	Casing	Fee
			<u>T.S.</u>	<u>127</u>

Margaret J. Hane
 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