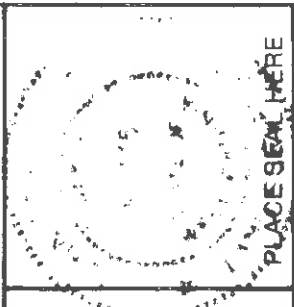


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT
 ELEV. 1353'

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 Stuchling
 R.F.E. L.S. 715



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 6 FEBRUARY 19 84
 OPERATOR'S WELL NO. A-1541
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL PERMIT
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1342' WATER SHED EAST RUN
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG, W.V. 7 1/2' Continent 15' C.S.
 SURFACE OWNER RUBY HOLLANDSWORTH 63.75
 OIL & GAS ROYALTY OWNER RUBY HOLLANDSWORTH, ET AL. LEASE ACREAGE 63.75 Ac.
 LEASE NO. 247

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 5612'
 WELL OPERATOR ALAMCO OID DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740 ADDRESS P.O. BOX 1740
 CLARKSBURG, W.V. 26302 CLARKSBURG, W.V. 26302



COUNTY NAME PERMIT

DATE 6 FEBRUARY 19 84
 OPERATOR'S WELL NO. A-1541
 API WELL NO. _____
 STATE COUNTY PERMIT
 47-017-3324
 ACCORDING TO DEPT. OF MINES 6-16-86



1) Date: April 13, 19 84
 2) Operator's Well No. A-1541 (Rush)
 3) API Well No. 47-017 - 3324 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: 1342' Watershed: East Run Deep Shallow
 District: Grant County: Doddridge Quadrangle: Smithburg 7.5'
 6) WELL OPERATOR Alamco Address P.O. Box 1740 P.O. Box 1740
Clarksburg, WV 26301
 7) DESIGNATED AGENT D.L. Wheeler Address P.O. Box 1740
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

RECEIVED
APR 13 1984

11) GEOLOGICAL TARGET FORMATION, Alexander feet
 12) Estimated depth of completed well, 5,612' feet
 13) Approximate trata depths: Fresh, 293 feet; salt, feet.
 14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes No

OIL & GAS DIVISION
 DEPT. OF MINES

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	16"			20'	20'	Cement to Surface	
Fresh water							
Coal	8-5/8"	20#	X	700'	700'	Cement to Surface	
Intermediate							
Production	4-1/2"	J.55	X	5612'	5612'	Req. by Rule	Depth set
Tubing		10.50#				15.01	
Liners							
							Perforations: Top Bottom

Cement to Surface by rules. as

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3324 Date May 9, 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 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond Blanket	Agent: <u>lo</u>	Plat: <u>MW</u>	Casing <u>MW</u>	Fee <u>25797</u>
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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