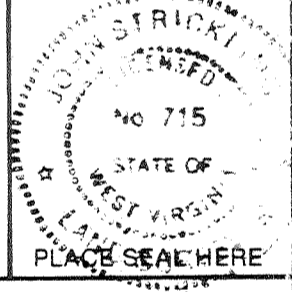


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ALAMCO WELL A-136 (538) ELEV. 1193'

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.E. _____ L.L.S. 715



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION		DATE <u>7 FEBRUARY 1984</u> OPERATOR'S WELL NO. <u>A-1487</u> API WELL NO. <u>47 017 3300</u>	
WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> (IF "GAS,") PRODUCTION <input type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>		STATE COUNTY PERMIT <u>47</u> <u>017</u> <u>3300</u>	
LOCATION: ELEVATION <u>1293'</u> WATERSHED <u>EAST RUN</u> DISTRICT <u>GRANT</u> COUNTY <u>DODDRIDGE</u>		QUADRANGLE <u>SMITHBURG, WV 7 1/2' Norrisville 15' C/S</u>	
SURFACE OWNER <u>L.L. GASKINS</u> ACREAGE <u>38</u>		OIL & GAS ROYALTY OWNER <u>J.D. BENEDUM HEIRS</u> LEASE ACREAGE <u>78</u> LEASE NO. <u>L-303</u>	
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____			
PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/>			
TARGET FORMATION <u>ALEXANDER</u> ESTIMATED DEPTH <u>5680'</u>			
WELL OPERATOR <u>ALAMCO</u>		DESIGNATED AGENT <u>DANIEL L. WHEELER</u>	
ADDRESS <u>P.O. BOX 1740 CLARKSBURG, WV 26302</u>		ADDRESS <u>P.O. BOX 1740 CLARKSBURG, WV 26302</u>	

COUNTY NAME PERMIT

FORM IV-6 (8-78) H.T. HALL



1) Date: March 2, 19 84
 2) Operator's Well No. A-1487
 3) API Well No. 47 - 017 - 3300
 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 XX /
 B (If "Gas", Production / Underground storage / Deep / Shallow XX /)
- 5) LOCATION: Elevation: 1293' Watershed: East Run
 District: Grant County: Doddridge Quadrangle: Smithburg 7.5'
- 6) WELL OPERATOR Alamco, Inc. 7) DESIGNATED AGENT D. L. Wheeler
 Address P. O. Drawer 1740 Address P. O. Drawer 1740
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Harold Mike Underwood Name Development Drilling, Inc.
 Address Route #2; Box 114 Address P. O. Box 1740
Salem, WV 26426 Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation XX /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 5680 feet
- 13) Approximate trata depths: Fresh, None feet; salt, 810' feet.
- 14) Approximate coal seam depths: 810 - 820' Is coal being mined in the area? Yes No XX
- 15) CASING AND TUBING PROGRAM

RECEIVED
 MAR 9 - 1984

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.	New	Used	For drilling	Left in well		
Conductor	16"				X	20'	20'	Cement to surface	
Fresh water									
Coal	8-5/8"		20#	X		1100'	1100'	Cement to surface	
Intermediate			J.55						
Production Tubing	4-1/2"		10.50#	X		5680'	5680'	Req. by Rule 15.01	
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3300 Date March 29, 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 March 29, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>25585</u>
----------------------	------------------	-----------------	-------------------	-------------------

[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.