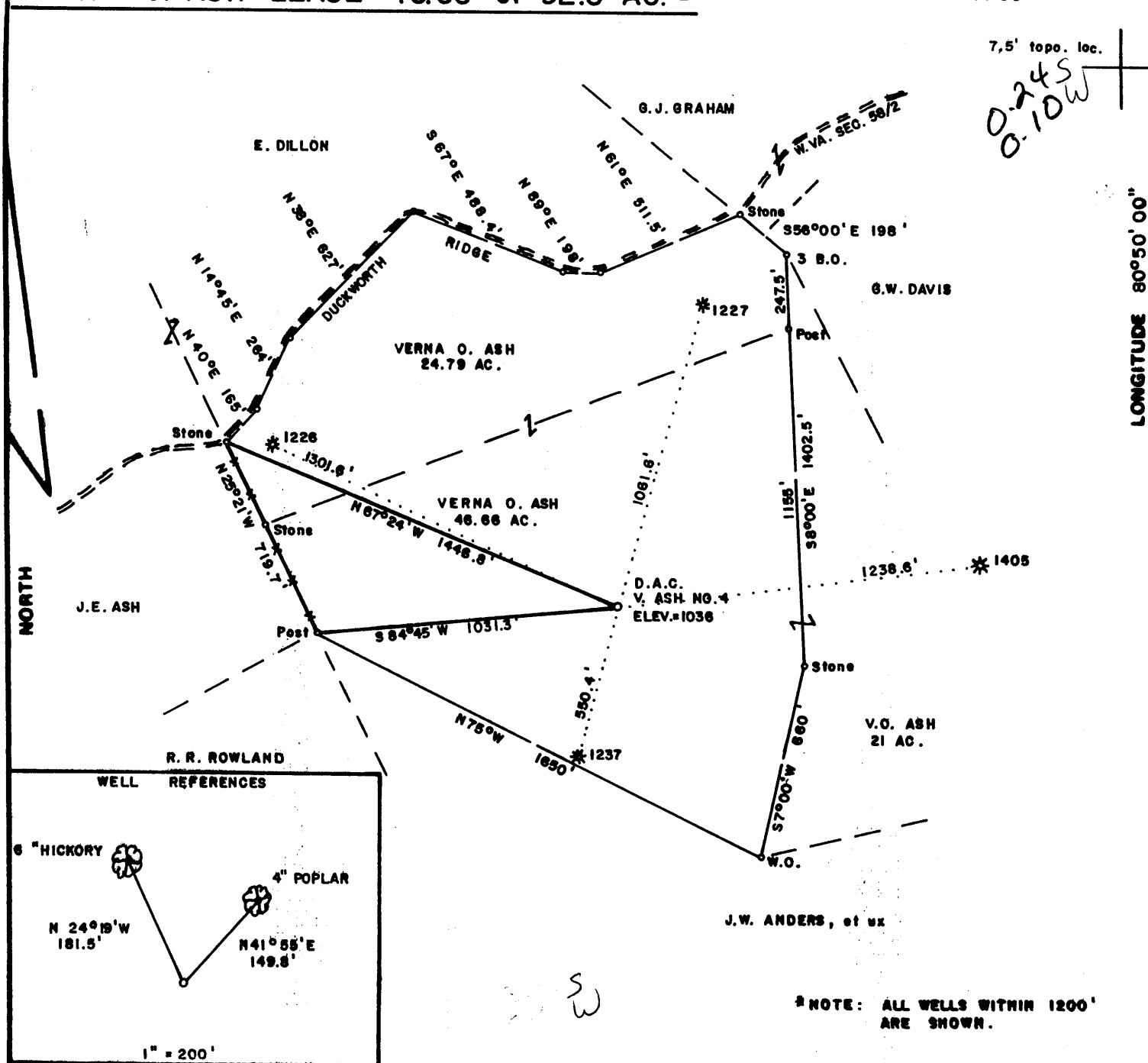


VERNA O. ASH LEASE 46.66 of 92.5 AC. ±

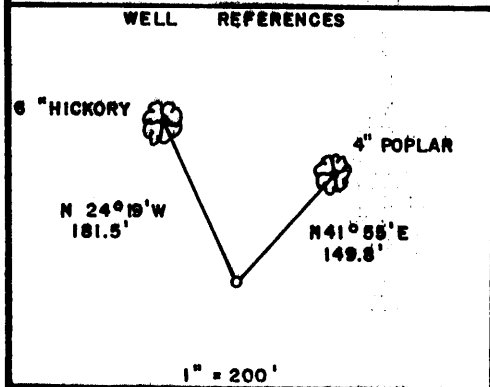
LATITUDE 39°22'30"

7.5' topo. loc.

0.245
0.10W



LONGITUDE 80°50'00"

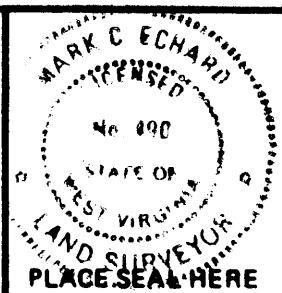


* NOTE: ALL WELLS WITHIN 1200' ARE SHOWN.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB SW OF LEASE ELEV. = 996'

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



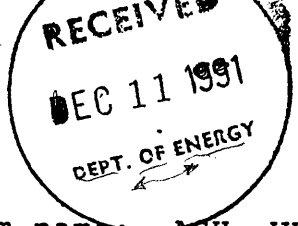
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 22, 1991
 OPERATOR'S WELL NO. ASH NO. 4
 API WELL NO. _____
47 - 095 - 1486
 STATE COUNTY PERMIT

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 1036' WATERSHED CAMP MISTAKE RUN
 DISTRICT CENTERVILLE COUNTY TYLER
 QUADRANGLE WEST UNION 7.5'
 SURFACE OWNER VERNA O. ASH ACREAGE 46.66 of 92.5
 OIL & GAS ROYALTY OWNER VERNA O. ASH, et al LEASE ACREAGE 46.66 of 92.5
 LEASE NO. _____
 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 BIG INJUN ESTIMATED DEPTH 2200'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ALMA, W. VA. 26320 ADDRESS P.O. BOX 99 ALMA, W. VA. 26320



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

Farm name: ASH, VERNA Operator Well No.: ASH 4

LOCATION: Elevation: 1036.00 Quadrangle: WEST UNION

District: CENTERVILLE County: TYLER
Latitude: 1180 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 450 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD
Permit Issued: 10/29/91
Well work Commenced: 11/4/91
Well work Completed: 11/8/91
Verbal Plugging _____
Permission granted on: 11/8/91
Rotary X Cable _____ Rig _____
Total Depth (feet) 2155'
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in area (Y/N)? _____
Coal Depths (ft): N

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	121'	121'	CTS
5-1/2"	1891'	1891'	CTS

OPEN FLOW DATA

Producing formation None Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: DRILLING APPALACHIAN CORP.
By: Kenneth R. Mason
Date: 12/9/91

The well was plugged with 27 sacks of cement and 9 sacks of gel.

A 50' plug was set at 1891' in the 5-1/2" casing, and at the top of the 5-1/2" casing.

Permian		
Sands/Shales	Surface	500'
Pennsylvanian		
Sands/Shales	500	1884
Big Lime	1885	1944
Keener Sand	1945	1964
Big Injun Sand	1965	2090
TD		2155

86/8

095-1486

ORIGINAL

FORM WW-2B

Issued 10/29/91

Page ___ of ___

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION 14425 (1) 670
2) Operator's Well Number: Ash #4 3) Elevation: 1036
4) Well type: (a) Oil X/ or Gas X/
(b) If Gas: Production X/ Underground Storage / Deep / Shallow X/
5) Proposed Target Formation(s): Big Injun 371
6) Proposed Total Depth: 2200'± feet
7) Approximate fresh water strata depths:
8) Approximate salt water depths:
9) Approximate coal seam depths: None
10) Does land contain coal seams tributary to active mine? Yes / No X/
11) Proposed Well Work: Drill, perforate, stimulate new formation
12)

CASING AND TUBING PROGRAM

13145

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, Liners.

PACKERS : Kind _____ Sizes _____ Depths set _____

OCT 28 91

7529

For Division of Oil and Gas Use Only

Fee(s) paid: [] Well Work Permit [] Reclamation Fund [] WPCP
[] Plat [] WW-9 [] WW-2B [] Bond L.C. Blanket Agent
(Type)

1) Date: October 22, 1991
2) Operator's well number
Ash #4
3) API Well No: 47 - 095 - 1486
State - County Permit

RECEIVED
Division of Energy
OCT 28 91
Permitting
Oil and Gas Section

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Verna Ash
Address HCR 74
Alma, WV 26320
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Mike Underwood
Address Rt 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

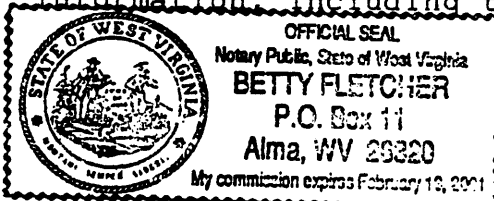
_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator DRILLING APPALACHIAN CORPORATION
By: Kenneth R. Mason
Its: President
Address PO Box 99
Alma, WV 26320-0099
Telephone 304/758-4638

Subscribed and sworn before me this 22nd day of October, 19 91

My commission expires February 13, 2001 Betty Fletcher Notary Public