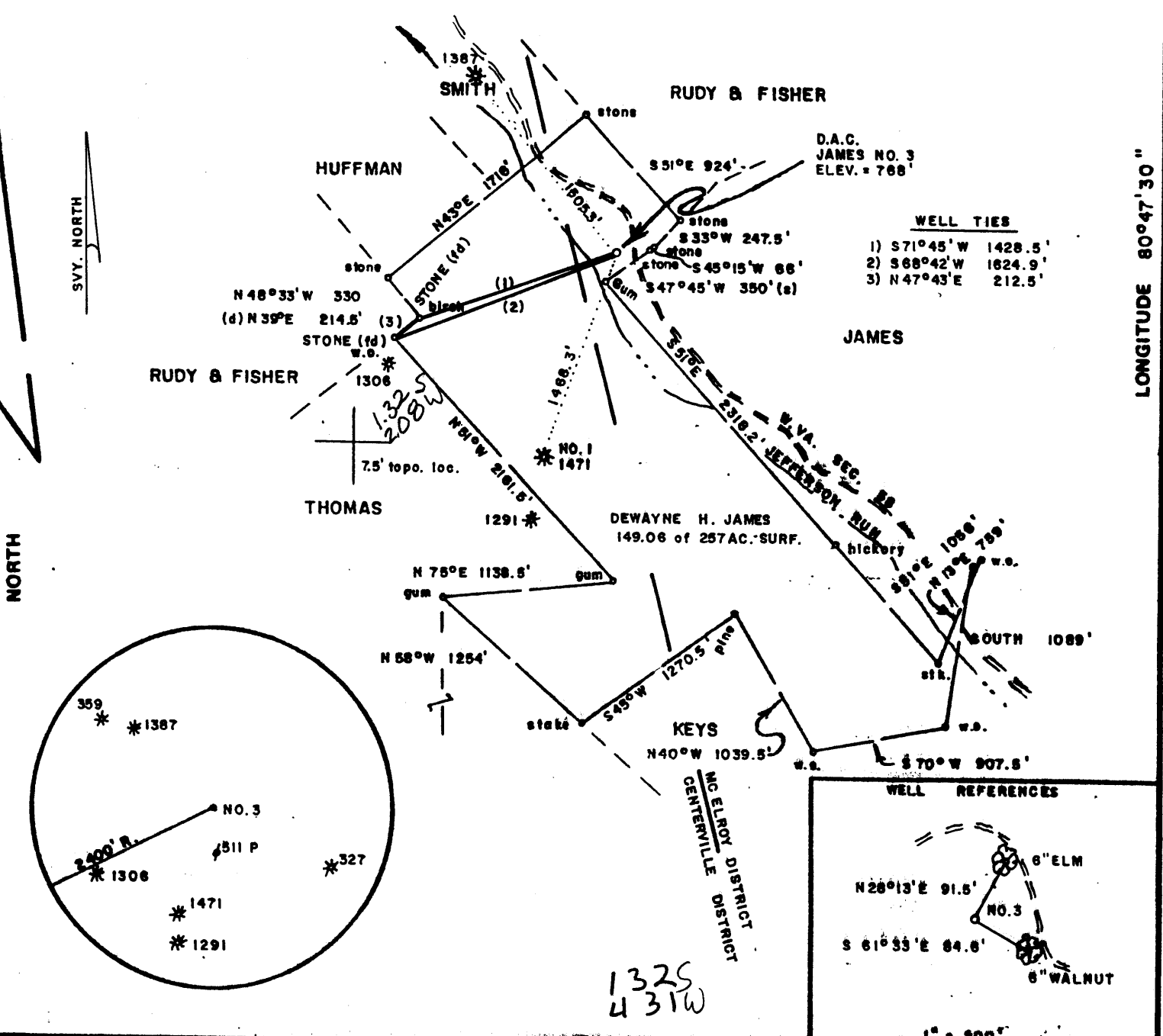




**DEWAYNE H. JAMES LEASE 257 AC. ±**

LATITUDE 39°25'00"

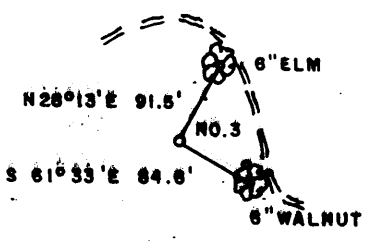
10,890' W



**WELL TIES**

- 1) S71°45'W 1428.5'
- 2) S68°42'W 1624.9'
- 3) N47°43'E 212.5'

**WELL REFERENCES**



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION JCT. OF ROADS SOUTH OF LEASE ELEV. = 1097'

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  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE JULY 17, 1991  
 OPERATOR'S WELL NO. THREE  
 API WELL NO. 47-095-1478  
 STATE WEST VIRGINIA COUNTY TYLER PERMIT 1478

**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 768' WATER SHED JEFFERSON RUN  
 DISTRICT MC ELROY 5 COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' W Union EC  
 SURFACE OWNER DEWAYNE H. JAMES ACREAGE 149.06 OF 257  
 OIL & GAS ROYALTY OWNER DEWAYNE H. JAMES LEASE ACREAGE 257  
 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 BENSON-RILEY ESTIMATED DEPTH 5200'±  
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON JUL 22 1991  
 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320

6-6 Wilbur (092)

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

Well Operator's Report of Well Work

Farm name: JAMES, DEWAYNE H. Operator Well No.: D. JAMES #3

LOCATION: Elevation: 768.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER  
Latitude: 6880 Feet South of 39 Deg. 25Min. Sec.  
Longitude 10890 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD  
Permit Issued: 10/26/93  
Well work Commenced: 10/26/93  
Well work Completed: 11/4/93  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary Cable Rig  
Total Depth (feet) 4880  
Fresh water depths (ft) \_\_\_\_\_  
Salt water depths (ft) \_\_\_\_\_  
Is coal being mined in area (Y/N)? \_\_\_\_\_  
Coal Depths (ft): N

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11-3/4	130	130	CTS
8-5/8	1647	1647	CTS
4-1/2		4851	200 sks

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth (ft) 4723-26  
 Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 200 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests 0 Hours  
 Static rock Pressure 1250 psig (surface pressure) after 48 Hours

Second producing formation Riley Pay zone depth (ft) 4291-4336  
 Gas: Initial open flow show MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 200 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests 0 Hours  
 Static rock Pressure 1250 psig (surface pressure) after 48 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: 2-8-94

Perfed 4723-26, 16 shots, 0.39

Faced with 20# gel Water nitrogen, 35,000# 20/40 sand  
Formation break at 1768 psi, avg treatment psi, 2706, avg fluid rate  
26.7 bbl/min, Instant shut in psi, 1538.

Perfed second stage at 4291-4336, 16 shots.  
Faced with 20# gel water, nitrogen gas, 32,400# 20/40 sand  
Formation break at 1547 psi, avg treatment psi, 2654, avg fluid rate  
23.59 bbls/min. Instant shut in psi, 1816.

Permian		
Sand/Shales	Surface	500
Pennsylvanian		
Sands/Shales	501	1632
Big Lime	1633	1690
shale	1691	1718
Keener Sand	1719	1736
shale	1737	1739
Big Injun Sand	1740	1865
shale	1866	2019
Weir Sand	2020	2122
shale/siltstone	2123	2211
Gantz Sand	2212	2222
shale/siltstone	2223	2443
Gordon Sand	2444	2450
shale/siltstone	2451	3129
Warren	3130	3172
shale/siltstone	3173	4305
Riley	4306	4338
shale/siltstone	4339	4721
Benson	4722	4730
Total Depth		4880

47181

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

RECEIVED  
Division of Energy

Reviewed TMG  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

OCT 28 1991

Farm name: JAMES, DEWAYNE H. Operator Well No.: D. JAMES #3

LOCATION: Elevation: 768.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER  
Latitude: 6880 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 10890 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD  
Permit Issued: 07/19/91  
Well work Commenced: 07/19/91  
Well work Completed: 07/24/91  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary XXX Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 4880'  
Fresh water depths (ft) 15

Salt water depths (ft) 0

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	130	120	cts
8 5/8	1684	1648	cts

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4724  
Gas: Initial open flow 1200 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 850 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 0 Hours  
Static rock Pressure 1585 psig (surface pressure) after 24 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: 10-24-91

NOV 1 - 1991

Well not stimulated, Producing Naturally

**RECEIVED**  
Division of Energy

OCT 28 1991

Oil & Gas Division

Dirt	0	10	
sand	10	25	
shale	25	680	
sand	680	690	
shale	690	1630	
lime	1680	1650	
shale	1650	1700	
lime	1700	1710	
sand	1710	1820	Show gas 1820
shale	1820	4880	
TD	4880		

Loggers Depths

Big Lime	1632
Berea	2220
Benson	4724

NOV 1 - 1991



**RECEIVED**  
JUL 18 1991

Date: July 17, 1991  
Operator's well number  
D. James #3  
API Well No: 47 - 095 - 1478  
State - County - Permit

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
**NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

- |   |  |
|---|--|
| <p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Dewayne H. James</u><br/>Address <u>HCR 74, Box 11</u><br/><u>Wilbur, WV 26320</u></p> <p>(b) Name <u>---</u><br/>Address _____</p> <p>(c) Name _____<br/>Address _____</p> | <p>5) (a) Coal Operator:</p> <p>Name _____<br/>Address _____</p> <p>(b) Coal Owner(s) with Declaration<br/>Name _____<br/>Address _____</p> <p>Name _____<br/>Address _____</p> <p>(c) Coal Lessee with Declaration<br/>Name _____<br/>Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u><br/>Address <u>Rte. 2, Box 135</u><br/><u>Salem, WV 26426</u><br/>Telephone (304)- <u>782-1043</u></p>  |  |

**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)

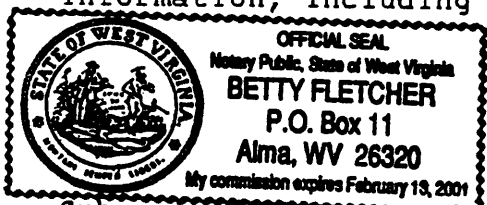
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 5 on the above named parties, by:

- \_\_\_\_\_ 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 Thomas  
Its: PRESIDENT  
Address P. O. BOX 99  
ALMA, WV 26320  
Telephone (304) 758-4638

Subscribed and sworn before me this 17th day of July, 1991

Betty Fletcher Notary Public  
My commission expires 2/13/2001