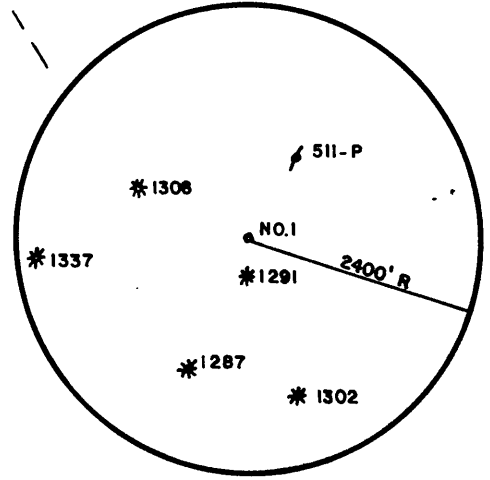
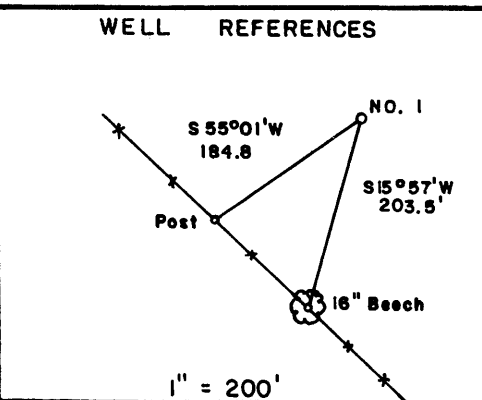
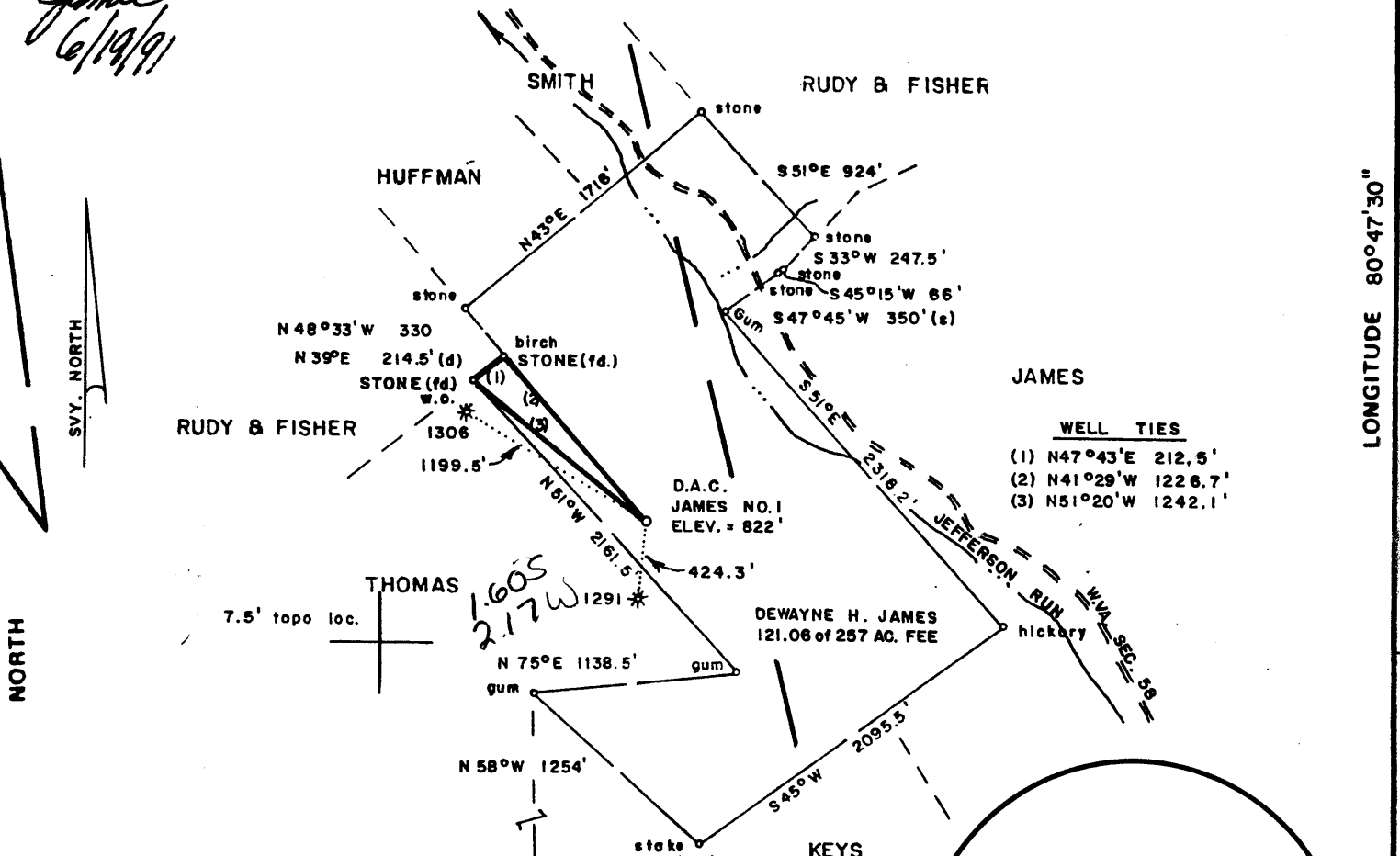
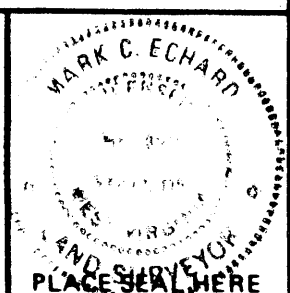


*Jamie*  
6/19/91



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  
 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 JUNE 19, 1991  
 OPERATOR'S WELL NO. ONE  
 API WELL NO. 47-095-1471  
 STATE VA COUNTY TYLER 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 822' WATERSHED JEFFERSON RUN  
 DISTRICT CENTERVILLE COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' W. Union EC  
 SURFACE OWNER DEWAYNE H. JAMES ACREAGE 121.06 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  
 ADDRESS P.O. BOX 99 ALMA, W. VA. 26320 ADDRESS P.O. BOX 99 ALMA W.V. 26320

*6-b Wilbur (092)*

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SEPT 24 91

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

Reviewed JAG  
Recorded \_\_\_\_\_

Division of Energy  
Oil and Gas Section

Well Operator's Report of Well Work

Farm name: JAMES, DEWAYNE

Operator Well No.: D. JAMES #1

LOCATION: Elevation: 822.00      Quadrangle: SHIRLEY

District: CENTERVILLE      County: TYLER  
Latitude: 8410 Feet South of 39 Deg. 25Min. 0 Sec.  
Longitude 11390 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: 06/19/91  
Well work Commenced: 6-24-91  
Well work Completed: 6-30-91

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary xxx Cable \_\_\_\_\_ Rig  
Total Depth (feet) 4932  
Fresh water depths (ft) 50  
Salt water depths (ft) 1220

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 461-466

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4	123	114	53 sks
8 5/8	1745	1679	473 sks

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Division of Energy  
Oil and Gas Section

OPEN FLOW DATA

Producing formation Benson      Pay zone depth (ft) 1770  
Gas: Initial open flow 1274 MCF/d      Oil: Initial open flow 0 Bbl  
Final open flow 1002 MCF/d      Final open flow 0 Bbl  
Time of open flow between initial and final tests 72 Hou  
Static rock Pressure 125 psig (surface pressure) after 48 Hou

Second producing formation Big Injun      Pay zone depth (ft) 1682  
Gas: Initial open flow \* MCF/d      Oil: Initial open flow 0 Bbl  
Final open flow \* MCF/d      Final open flow 0 Bbl  
Time of open flow between initial and final tests 72 Hou  
Static rock Pressure 125 psig (surface pressure) after 72 Hou

\* Commingled with Benson

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATION 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: 7-1-91

OCT 15 1991

Well is producing naturally and will be fracked at a later date

DRILLERS LOG

ELECTRIC LOG

dirt	0	-	10
sand	10	-	40
sand/shale	40	-	121 damp 50'
red rock	121	-	150
sand/shale	150	-	461
coal	461	-	466
sand/shale	466	-	1650 damp 1220
little lime	1650	-	1663
big lime	1663	-	1756
sand	1756	-	1855
sand/shale	1855	-	4937

Big Lime	1682
Big Injun	1752
Berea	2270
Benson	4770

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Division of Energy  
Oil and Gas Section

OCT 15 1991

12420

095-1471  
 Issued 06/19/91  
 Page 3 of 5  
 Expires 06/19/93

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

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION 14425(1) 606  
 2) Operator's Well Number: D. JAMES #1 3) Elevation: 822  
 4) Well type: (a) Oil X/ or Gas X/  
 (b) If Gas: Production X/ Underground Storage /  
 Deep / Shallow X  
 5) Proposed Target Formation(s): 435 Benson/Riley  
 6) Proposed Total Depth: 4900? feet  
 7) Approximate fresh water strata depths: \_\_\_\_\_  
 8) Approximate salt water depths: \_\_\_\_\_  
 9) Approximate coal seam depths: \_\_\_\_\_  
 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

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	H-40	33#	100'	100'	CTS
Fresh Water						
Coal						
Intermediate	8-5/8	J-55	23#	1725'	1725'	38CSR18-11.2.2 38CSR18-11.3
Production	4-1/2	J-55	10#	4900'	4900'	38CSR18-11.1
Tubing						
Liners						

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PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

JUN 24 91

For Division of Oil and Gas Use Only

6943  
 18  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket One  Agent  
 (Type)

1) Date: June 18, 1991  
2) Operator's well number  
D. James #1  
3) API Well No: 47 - 095 - 1471  
State - County - Permit

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

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Division of Energy  
JUN 24 91  
Permitting  
Oil and Gas Section

4) Surface Owner(s) to be served:  
(a) Name Dewayne James  
Address HCR 74, Box 11  
Wilbur, WV 26320  
(b) Name --  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426  
Telephone (304)- 782-1043

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
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 5 on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

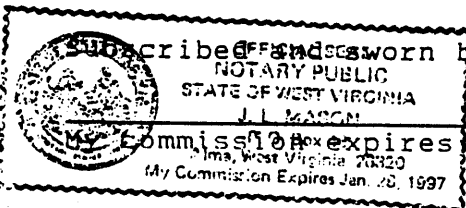
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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 J. Mason  
Its: President  
Address P. O. Box 99  
Alma, WV 26320  
Telephone (304) 758-4638

Subscribed and sworn before me this 18th day of June, 1991



[Signature]  
1/28/91  
Notary Public