

DEWAYNE H. JAMES LEASE 257 AC. ±

LATITUDE 39°25'00" W

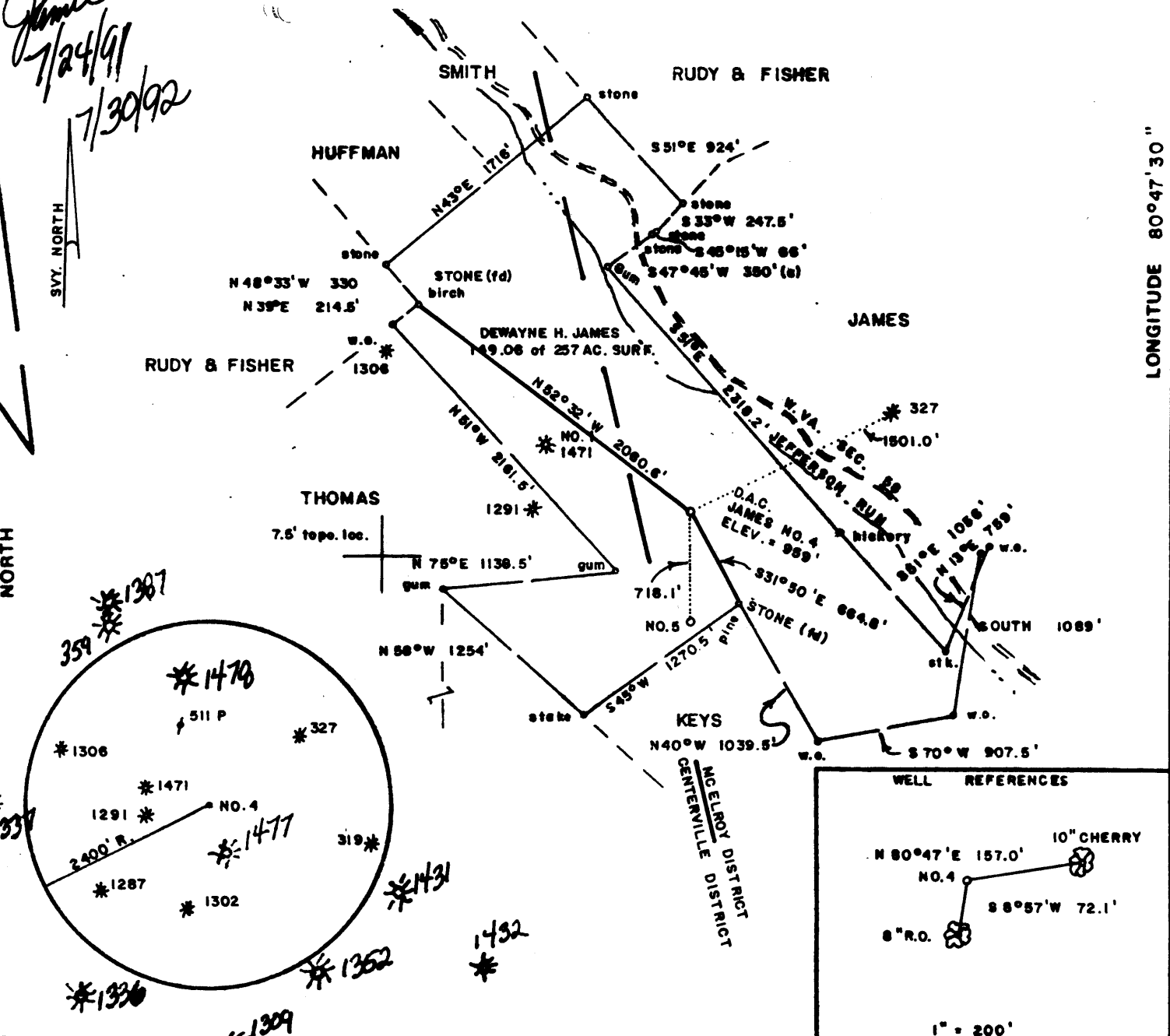
10,520' W

*Janice*  
7/24/91  
7/30/92

SVY. NORTH

NORTH

LONGITUDE 80°47'30"



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. *Mark C. Echard*  
 (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 18, 19 91  
 OPERATOR'S WELL NO. FOUR  
 API WELL NO. 47-095-14807  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

*Proc. Cancelled*

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 959' WATER SHED JEFFERSON RUN  
 DISTRICT MC ELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 75'  
 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 BIG INJUN ESTIMATED DEPTH 2100' ±  
 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

*Rework for topog map 7/30/92*

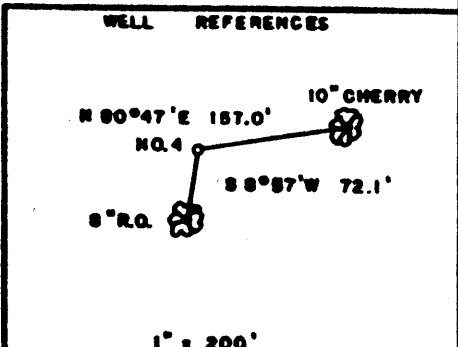
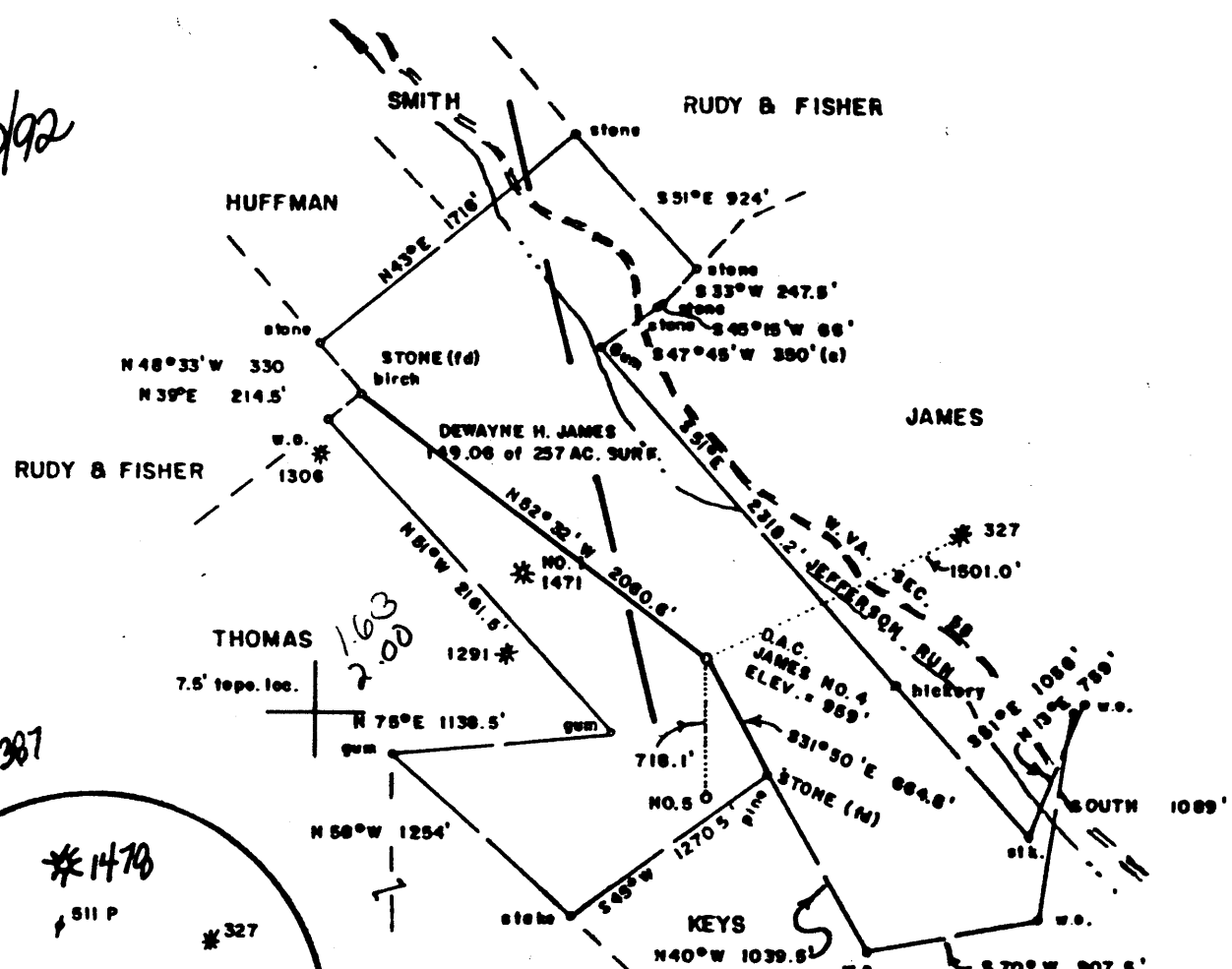
*Well no producing from KEBNER*

TYLER 1480 F

*James*  
7/24/91  
7/30/92

SVY. NORTH

NORTH



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DATE JULY 18, 19 91  
 OPERATOR'S WELL NO. FOUR  
 API WELL NO. 47-095-14807  
 STATE COUNTY PERMIT

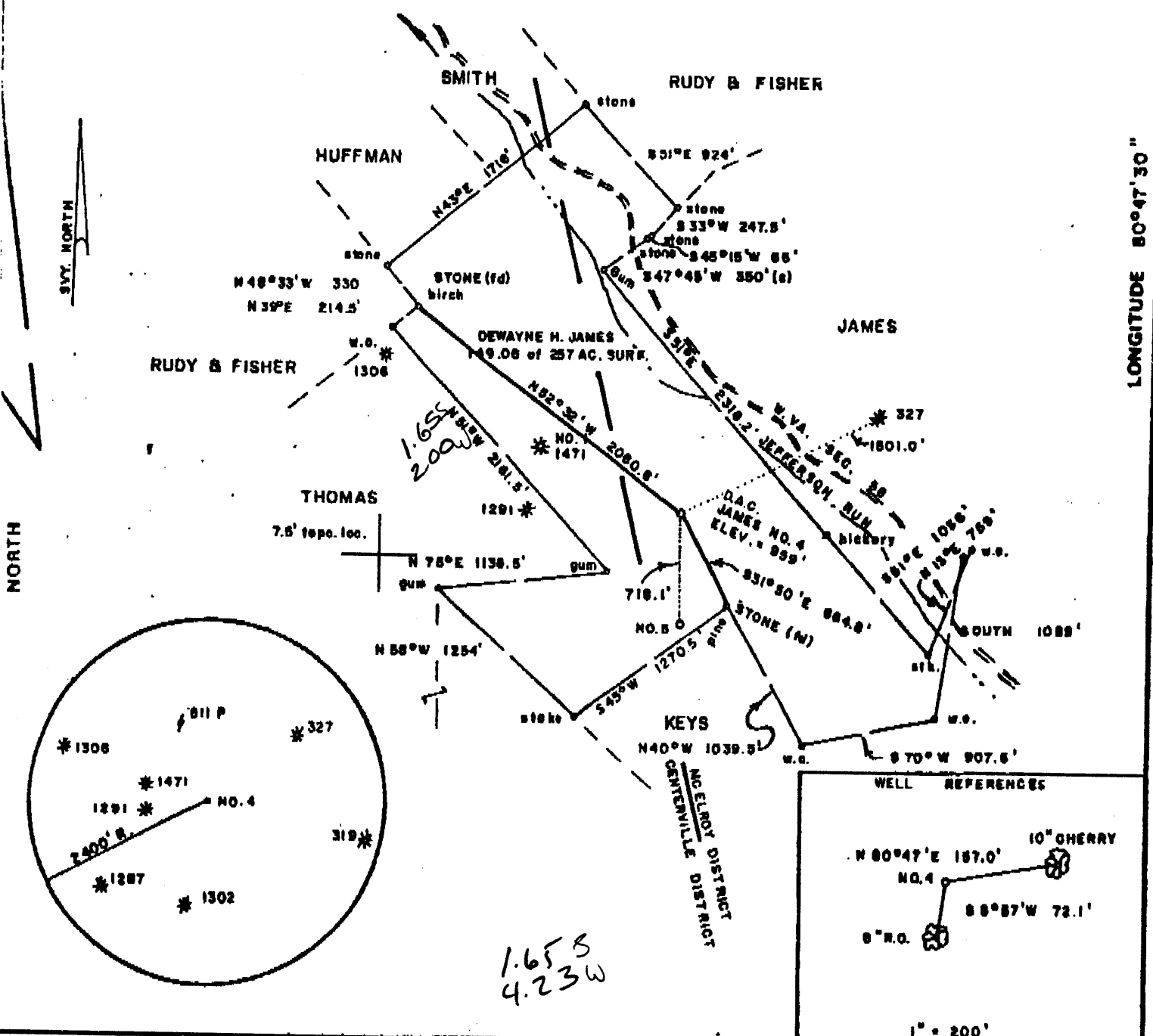
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 959' WATERSHED JEFFERSON RUN  
 DISTRICT MC ELROY COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' NW 22  
 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 BIG INJUN ESTIMATED DEPTH 2100' ±  
 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

*Re-work for lease*  
7/30/92

*Well no producing from KEENER*

AUG 5 1992



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'

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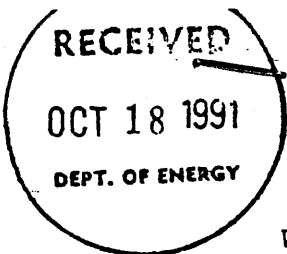
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE JULY 18, 19 91  
 OPERATOR'S WELL NO. FOUR  
 API WELL NO. 47-095-1480  
 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 959' WATER SHED JEFFERSON RUN  
 DISTRICT MC ELROY 5 COUNTY TYLER  
 QUADRANGLE SHIRLEY 7.5' *W. Union*  
 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 \_\_\_ *6-6 Wilbur (092)*  
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2100' ±  
 WELL OPERATOR D.A.C. 280 DESIGNATED AGENT KENNETH MASON JUL 20 1991  
 ADDRESS P.O. BOX 99 ALMA, W.VA. 26320 ADDRESS, P.O. BOX 99 ALMA, W.VA. 26320



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

24-Jul-91  
API # 47- 95-01480

Reviewed IMB  
Recorded \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: JAMES, DEWAYNE H. Operator Well No.: D. JAMES #4

LOCATION: Elevation: 959.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER  
Latitude: 8510 Feet South of 39 Deg. 25Min. .0 Sec.  
Longitude 10520 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: 07/24/91  
Well work Commenced: 08-2-91  
Well work Completed: 08-7-91

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	150	130	50 sks
4 1/2	1828	1812	335 sks

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary XXX Cable \_\_\_\_\_ Rig  
Total Depth (feet) 2125  
Fresh water depths (ft) none

Salt water depths (ft) none

Is coal being mined in area (Y/N)? no  
Coal Depths (ft): none

OPEN FLOW DATA

Producing formation Keener Pay zone depth (ft) 1894  
Gas: Initial open flow 680 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 500 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 16 Hours  
Static rock Pressure 85 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.

OCT 27 1991

By: Kenny Mason  
Date: 10-1-91

Well not fracked or stimulated, Keener is producing naturally



Formation

soil	0	5
shale	5	285
sand	285	290
shale	290	1790
lime	1790	1795
shale	1795	1805
lime	1805	1890
sand	1890	2010
shale	1810	2125

Electric Log Tops

Keener	1894
Greenbrier	1919
Pocono	1946

12663

OCT 27 1991

47 - 95 - 1480

Issued 07/24/91 Page 3 of 5

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

07/24/93

- 1) Well Operator: <sup>311</sup> DRILLING APPALACHIAN CORPORATION 14425 (5) 606
- 2) Operator's Well Number: D. JAMES #4 3) Elevation: 959'
- 4) Well type: (a) Oil X/ or Gas X/
- (b) If Gas: Production X/ Underground Storage   /
- Deep   / Shallow X
- 5) Proposed Target Formation(s): <sup>371</sup> Big Injun
- 6) Proposed Total Depth: 2100± 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	8-5/8"	J-55	20#	100'	100'	CTS
Fresh Water						OK MU
Coal						
Intermediate	5-1/2"	J-55	15.5#	1723'	1723'	38CSR18-11.2 38CSR18-11.3
Production	3-1/2"	J-55	9.4#	2000'	2000'	38CSR18-11.1
Tubing						
Liners						

12663

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

For Division of Oil and Gas Use Only

ck 7110

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond \_\_\_\_\_  Agent \_\_\_\_\_

(Type)

1) Date: July 19, 1991  
2) Operator's well number  
D. James # 4  
3) API Well No: 47 - 095 - 1480  
State - County - Permit

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 DEWAYNE H. 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 \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

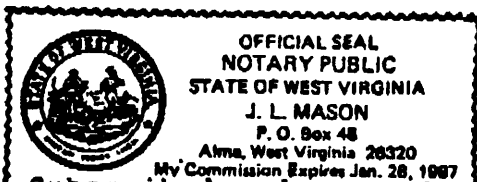
\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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 H. Mason  
Its: President  
Address P. O. Box 99  
Alma, WV 26320-0099  
Telephone (304) 758-4638

Subscribed and sworn before me this 19th day of July, 1991





*M 2 7*  
Permit  
Office of Oil & Gas

- 1) Date: July 27, 1992
- 2) Operator's well number  
James 4
- 3) API Well No: 47 - 95 - 01480-FRA  
State - County - Permit  
(Re-Work# Frac)

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

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  - (a) Name DEWAYNE H. JAMES  
Address HCR 74, BOX 11  
WILBUR WV 26320
  - (b) Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Name \_\_\_\_\_  
Address \_\_\_\_\_
- 5) (a) Coal Operator:
  - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (b) Coal Owner(s) with Declaration
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
  - (c) Coal Lessee with Declaration
    - Name \_\_\_\_\_  
Address \_\_\_\_\_
- 6) Inspector MIKE UNDERWOOD  
Address ROUTE 2, BOX 315  
SALEM WV 26426  
Telephone (304)- 782-1043

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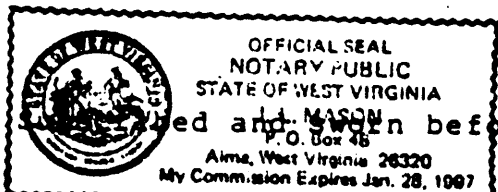
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Well Operator DRILLING APPALACHIAN CORPORATION  
By: *Rosemary Thomas*  
Its: President  
Address PO Box 99  
Alma, WV 26320  
Telephone 304/758-4638



\_\_\_\_\_ Red and sworn before me this 17th day of July, 1992  
*L. J. Mason* Notary Public  
My commission expires 1/28/97