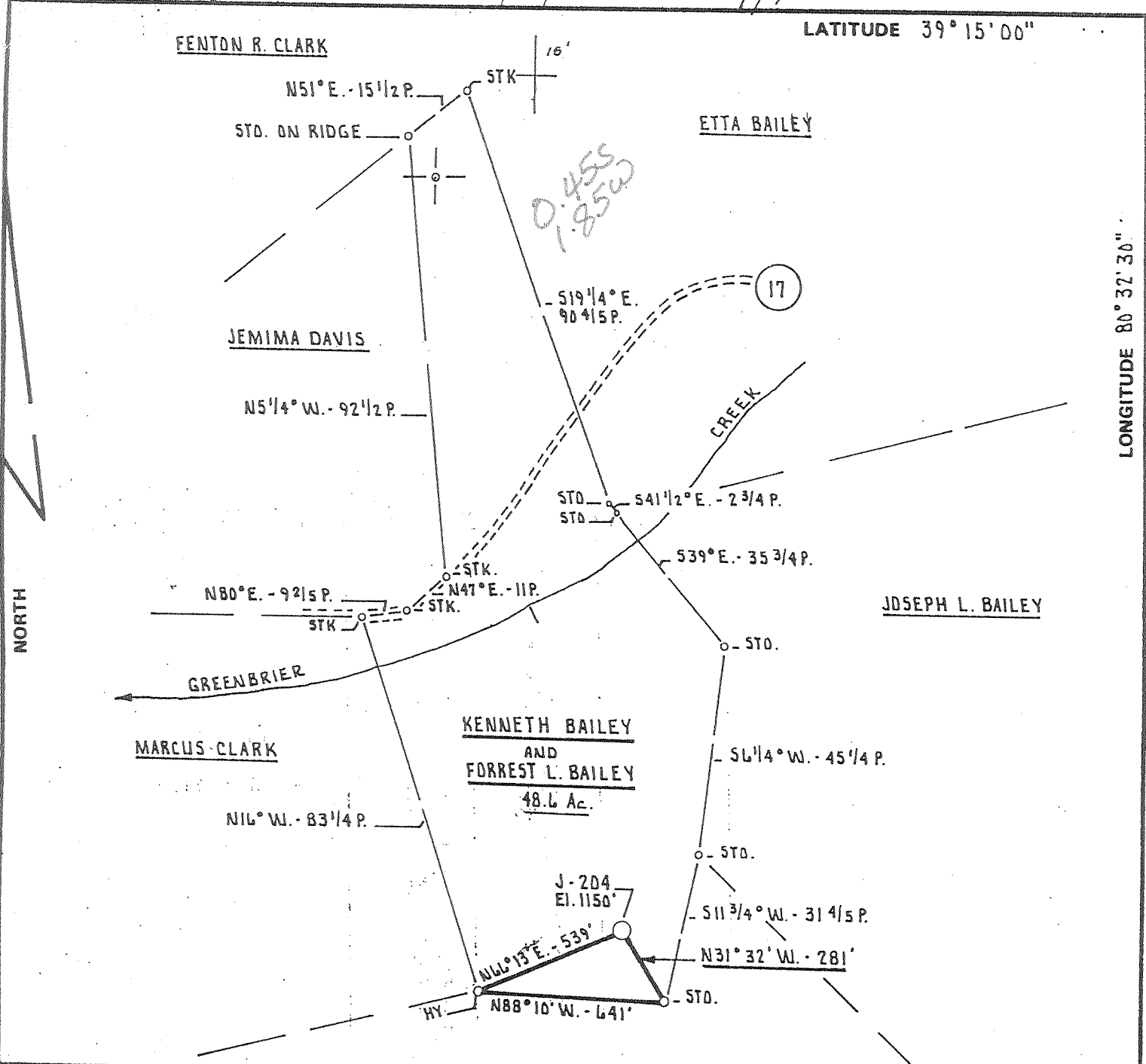
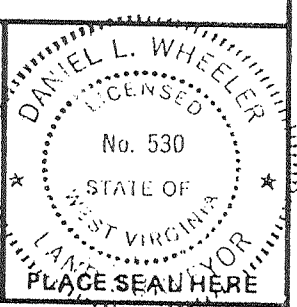


11/17/80 9,700



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION B.M. AT INTERSECTION OF RT. # 15 AND RT. # 15/7 ELEV. 1276'

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) Daniel L. Wheeler  
 R.P.E. \_\_\_\_\_ L.L.S. 530



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



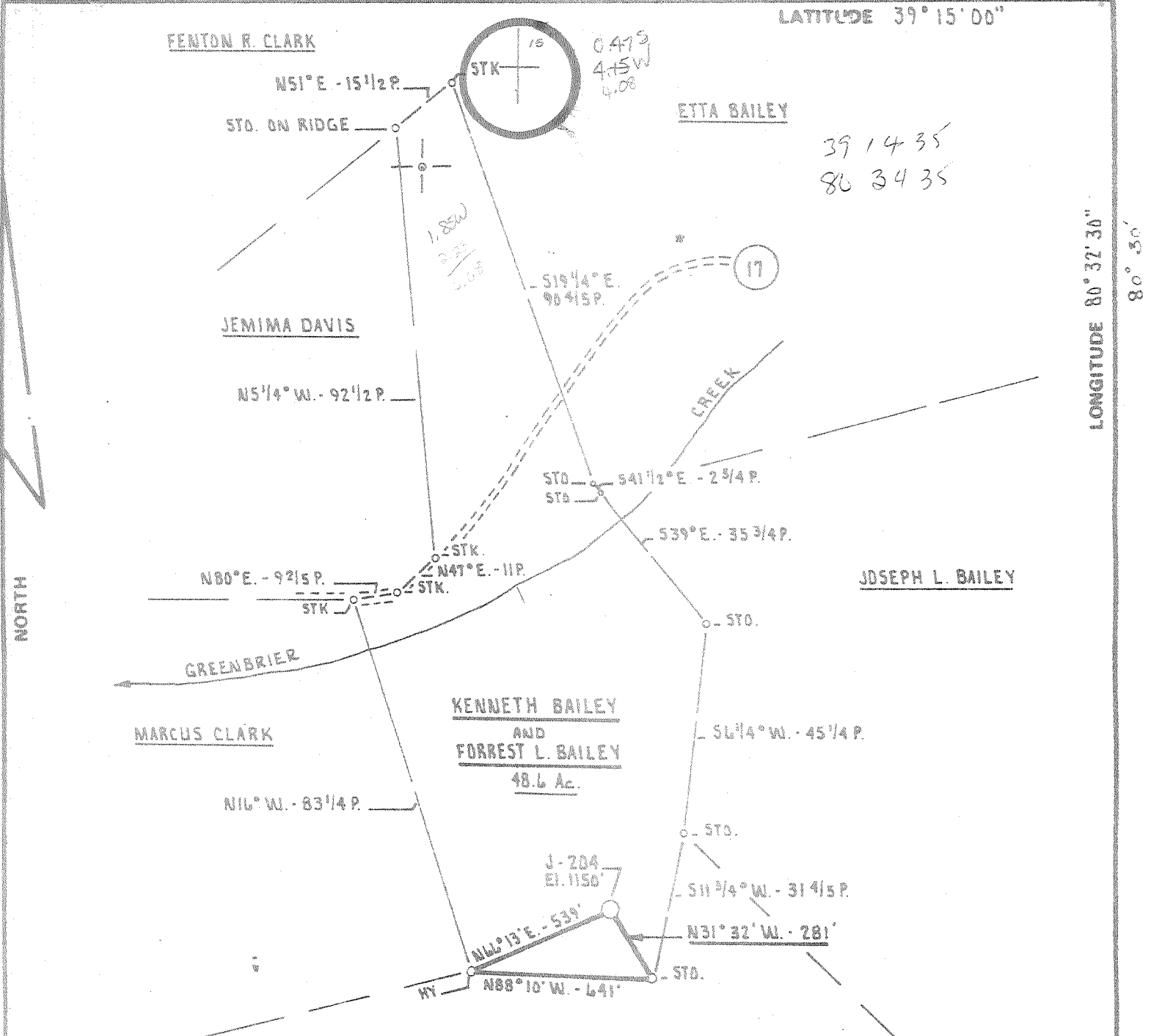
DATE NOVEMBER 17<sup>th</sup>, 19 80  
 OPERATOR'S WELL NO. J-204  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2879 F  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1150' WATER SHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DEEDRIDGE  
 QUADRANGLE BIG ISAAC 7.5' YADIS 15'  
 SURFACE OWNER KENNETH AND ELBERTA BAILEY ACREAGE 33.82 Ac.  
 OIL & GAS ROYALTY OWNER KENNETH AND FOREST L. BAILEY LEASE ACREAGE 48.6 Ac.  
 LEASE NO. M-382  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5400'  
 WELL OPERATOR Eastern American Energy DESIGNATED AGENT John Palett  
 ADDRESS P.O. Box 820 ADDRESS Same  
GLENNVILLE, WV 26351 11A 26201 11A 26201

JUN 2 2000

LONGITUDE 80° 32' 30" 2,300



LATITUDE 39° 15' 00"

LONGITUDE 80° 32' 30"  
80° 30'

NORTH

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION B.M. AT INTERSECTION OF RT. W 15 AND RT. W 15/7 ELEV. 1276'

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) Joseph L. Madala  
 R.P.E. \_\_\_\_\_ L.L.S. 530

PLACE SEAL HERE

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



DATE NOVEMBER 6<sup>TH</sup> 19 80  
 OPERATOR'S WELL NO. J-204  
 API WELL NO. \_\_\_\_\_  
 47 - 017 - 2879  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1150' WATER SHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 1.5' VAD 15' NE  
 SURFACE OWNER KENNETH and ELBERTA BAILEY ACREAGE 33.82 Ac.  
 OIL & GAS ROYALTY OWNER KENNETH and FOREST L. BAILEY LEASE ACREAGE 48.6 Ac.  
 LEASE NO. M-382  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5400'  
 WELL OPERATOR J. and J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT  
 ADDRESS P.O. BOX 48 BUCKHANNON, WEST VIRGINIA 26201 ADDRESS P.O. BOX 48 BUCKHANNON, WEST VIRGINIA 26201



STAGE ONE: Riley

12 holes (4598' - 4541')

Fracture: 500 gal 15% HCl acid, 25# cross-linked gel, and 30,000# 20/40 sand. Formation broke at 2787 psi.

STAGE TWO: Balltown

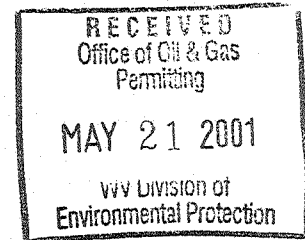
10 holes (4388' to 4093')

Fracture: 500 gal 15% HCl acid, 25# cross-linked gel, and 25,000# 20/40 sand. Formation broke at 2143 psi.

STAGE THREE: Injun

10 holes (2292' to 2274')

Fracture: 7-bbl 15% HCl acid, 25# cross-linked gel, and 25,000# 20/40 sand. Formation broke at 3283 psi.



FORM IV-35  
(Obverse)

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

Date 12/29, 1980

Operator's Well No. J-204

[08-78]

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

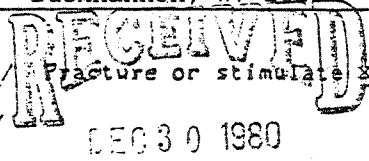
API Well No. 47-017-2879  
State County Permi

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal  /  
(If "Gas", Production  / Underground storage  / Deep  / Shallow  /)

LOCATION: Elevation: 1150 Watershed: Buckeye Creek  
District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett  
Address P.O. Box 48 Address P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Redrill  / Fracture or stimulate  /  
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_



PERMIT ISSUED ON 11/17, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED \_\_\_\_\_, 19\_\_\_\_)

Name Paul Garrett  
Address 321 Beech St.  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5425-5653 feet

Depth of completed well, 5653 feet Rotary  / Cable Tools

Water strata depth: Fresh, \_\_\_\_\_ feet; salt, None feet.

Coal seam depths: 475-78 Is coal being mined in the area? No

Work was commenced 12/1, 1980, and completed 12/7, 1980

CASING AND TUBING PROGRAM

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	11 3/4	H-40	42	x		29	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		903.40	903.40	260 sks.	
Coal	8 5/8	ERW	23	x		903.40	903.40	260 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5586.45	5586.45	260 sks.	Becks set
Tubing									
Liners									Perforations:
									Top Bottom
									5094 5097
									5303 5306
									5429 5432

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5429 - 32 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d

Final open flow, 984 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests, 96 hours

Static rock pressure, 2100 psig (surface measurement) after 4 hours shut in

[If applicable due to multiple completion--]

5303-06

Second producing formation Leopold & Benson Pay zone depth 5429-32 feet

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 measurement) after \_\_\_\_\_ hours shut in

JAN 21 1981

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Alexander: Perforations: 5429-32 (13 holes)

Fracturing: 200 sks. 80/100 sand: 400 sks. 20/40 sand: 600 Bbls. Fluid.

Leopold: Perforations: 5303-06 (6 Holes)

Fracturing: 500 gal. Acid: 100 sks. 80/100 sand: 280 sks. 20/40 sand: 500 Bbls. fluid.

Benson: Perforations: 5094-97 (6 holes)

Fracturing: 500 gal Acid: 100 sks. 80/100 sand: 280 sks. 20/40 sand: 500 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Red Clay & shale			0	50	
Sand & sandy shale			50	170	
Sand & shale			170	320	
Sand & shale			320	475	
Coal			475	478	
Shale & sand			478	829	
Coal			829	833	Gas ck @ 2329 No show
Shale & sand			833	964	
Sand & shale			964	1182	Gas ck @ 2857 No show
Shale & sand			1182	1395	
Shale & sand			1395	1920	Gas ck @ 5159 30/10-1" w/water
Sand & shale			1920	2115	<del>516,000</del> Cu.Ft.
Little Lime			2115	2135	58M. Cu. Ft.
Shale			2135	2155	
Big Lime			2155	2235	
Sand & shale			2235	3075	
Shale & sand			3075	4430	
Shale			4430	5085	
Benson			5085	5097	
Shale			5097	5303	
Leopold			5303	5306	
Shale			5306	5425	
Alexander			5425	5505	
Shale			5505	5653 TD	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.  
Well Operator  
By Peter Battles  
Its Peter Battles Geologist

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-204

API Well No. 47-017-2879 State County Perm.

WELL TYPE: Oil / Gas X / (If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1150 Watershed: Buckeye Creek District: Greenbrier County: Doddridge Quadrangle: Big Isaac 7.5'

WELL OPERATOR J & J Enterprises, Inc. Address P.O. Box 48 Buckhannon, WV 26201

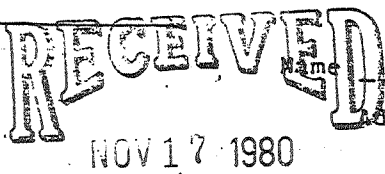
DESIGNATED AGENT H.L. Barnett Address P.O. Box 48 Buckhannon, WV 26201

WELL & GAS LEASE OWNER Kenneth & Elberta Bailey Address Route #1 Salem, WV 26426

COAL OPERATOR Address

ACREAGE 48.6 SURFACE OWNER Kenneth & Elberta Bailey Address Route #1 Salem, WV 26426 Acreage 33.82

COAL OWNER(S) WITH DECLARATION ON RECORD: Name Willis G. Tetrick, Jr. Address Union National Bank Center Clarksburg, WV 26301



FIELD SALE (IF MADE) TO: Address

COAL LESSEE WITH DECLARATION ON RECORD: OIL & GAS DIVISION DEPT. OF MINES Address Rt. 434 119 Magnolia, WV

WELL & GAS INSPECTOR TO BE NOTIFIED Name Paul Garrett Address 321 Beech ST. Clarksburg, WV 26301

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract X / dated Dec. 4, 1979; to the undersigned well operator from Clarence W. Mutschelknaus

[If said deed, lease, or other contract has been recorded:] recorded on March 27, 1980, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in oil & gas lease Book 114 at page 242. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named well operator, coal owner(s), and coal lessee are hereby notified that any further action they wish to take or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 601 WASHINGTON STREET EAST CHARLESTON, WV 25311

BLANKET BOND

J & J Enterprises, Inc. Well Operator

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Co. Address P.O. Box 48 Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5550 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 100 feet; salt, none feet.

Approximate coal seam depths: 1280, 740 Is coal being mined in the area: Yes / No X

DRILLING AND TUBING PROGRAM

Table with columns: DRILLING AND TUBING PROGRAM, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

THIS PERMIT AND A SEPARATE FORM IV-2 SHALL NOT BE REQUIRED FOR FRACTURING OR STIMULATING A WELL WHERE FRACTURING OR STIMULATING IS TO BE PART OF THE WORK FOR WHICH A PERMIT IS SOUGHT AND IS NOTED AS SUCH ON THE FORM IV-2 FILED IN CONNECTION THEREWITH.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved

for drilling. This permit shall expire if operations have not commenced by 7-19-81

J.P. Huggins Deputy Director Oil & Gas Division

The undersigned coal operator must be satisfied by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

E A I V E R

The undersigned coal operator / owners X / lessee / of the coal under this well has examined this proposed well location. If a mine map exists which covers the area of the location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

: 12 / 1980

By [Signature] Its [Signature]