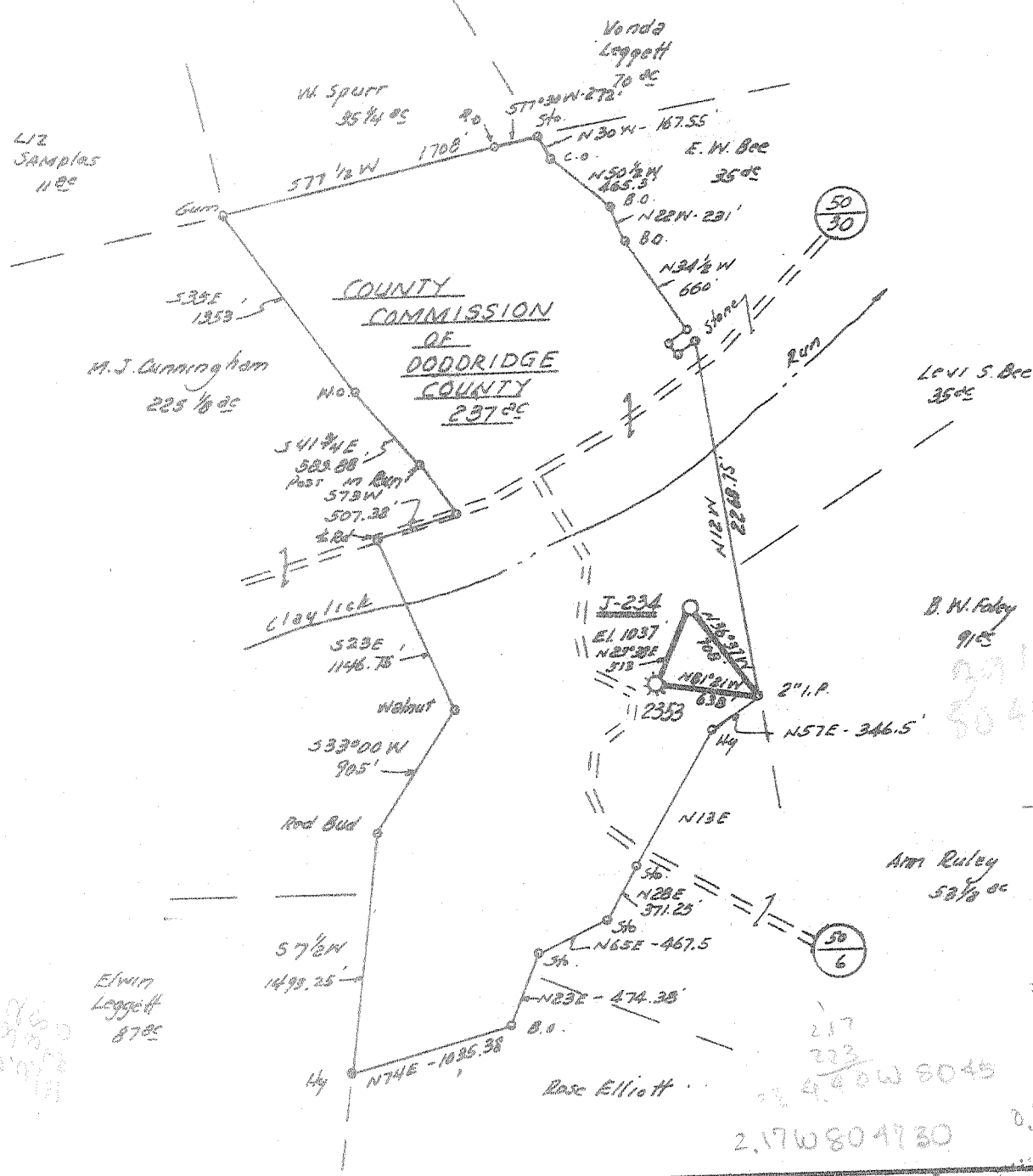
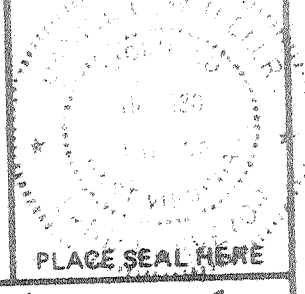


NORTH



FILE NO. _____
 DRAWING NO. 19/39-44
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 Part in 200
 PROVEN SOURCE OF ELEVATION Berry Energy Well B-312 - Elev 1155

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) David L. Weaver
 R.P.E. _____ L.L.S. 530



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



DATE MARCH 14, 19 80
 OPERATOR'S WELL NO. J-234
 API WELL NO. _____
47 - 017 - 2627
 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 1037 WATER SHED CLAYLICK RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5, 15' 5E
 SURFACE OWNER EDNA BRITTON ACREAGE 147.37
 OIL & GAS ROYALTY OWNER County Commission of Doddridge Co. LEASE ACREAGE 237
 LEASE NO. H-10
 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. J. ENTERPRISES, INC DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCHANNON, W.VA 26201 BUCHANNON, W.VA 26201

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

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

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

LOCATION: Elevation: 1037 Watershed: Clay Lick Run
District: Central County: Doddridge Quadrangle: West Union

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 3-17, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5255-53 feet
Depth of completed well, 5526 feet Rotary / Cable Tools
Water strata depth: Fresh, 620 feet; salt, 0 feet.
Coal seam depths: 495-97 Is coal being mined in the area? No
Work was commenced 3-18, 19 80, and completed 3-24, 19 80

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	113/4H-40	42	x			30	0	0 sks	Winds None
Fresh water	8 5/8ERW	23	x			1657	1657	440 sks	
Coal	8 5/8ERW	23	x			1657	1657	440 sks	Sizes
Intermediate									
Production	4 1/2J-55	10.5	x			5387	5387	300 sks	Cement set
Tubing									
Liners									Perforations:
									3938 4173
									4560 4563
									4976 4980
									5255 5277

OPEN FLOW DATA

Producing formation Alexander OIL & GAS DIVISION DEPT. OF MINES Zone depth 5255-77 feet

Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 850 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 1400 psig (surface measurement) after _____ hours shut in

[If applicable due to multiple completion--] 3938-4173
4560-63

Second producing formation Benson, Riley & Balltown Pay zone depth 5255-57 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

18-72

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

Alexander -Perforations: 5255-5263 (8 holes) 5271-77 (6 holes)
Fracturing:

Benson & Riley-Perforations: 4976-80 (6 holes), 4560-63 (6 holes)
Fracturing:

Balltown-Perforations: 3938-55 (8 holes), 4157-73 (8 holes)
Fracturing:

END LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of oil, gas, and salt water, coal, etc.
Clay			0	5	
Sand & Shale			5	10	
Red Rock & Shale			10	50	
Sand			50	80	
Red Rock & Shale			80	111	
Sand			111	141	
Red Rock & Shale			141	465	
Sand			465	495	
Coal			495	497	Coal
Shale & Red Rock			497	630	620' - 1" stream water
Sand & Shale			630	1120	
Sand			1120	1369	
Sand & Shale			1369	1525	
Sand			1525	1595	
Sand & Shale			1595	1711	
Shale			1711	2025	
Big Lime			2025	2130	
Injun			2130	2150	
Shale			2150	2310	
Weir			2310	2426	Gas @ 2395 2/10 thru 1" w/water
Sand & Shale			2426	3388	
Speechley			3388	3472	
Sand & Shale			3472	3924	
Balltown			3924	4016	
Sand & Shale			4016	4890	
Brown Sand			4890	4920	
Shale			4920	4976	
Benson			4976	4980	
Sand & Shale			4980	5236	Gas @ 5091 6/10 thru 1' w/ water
Alexander			5236	5307	
Shale			5307	5526	Gas @ 5526 2/10 thru 1" w/water T.D. 5526

(Attach separate sheets as complete as necessary.)

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

NOTE: Regulation 2.2044, provided 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-234

API Well No. 47 - 017 2627
State County Perm

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

LOCATION: Elevation: 1037 Watershed: Clay Lick Run
District: Central County: Doddridge Quadrangle: West Union

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

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

OIL & GAS ROYALTY OWNER Doddridge Co. Commission
Address West Union Courthouse
West Union, WV 26456

COAL OPERATOR None
Address

SURFACE OWNER Edna Britton
Address Rt. # 1
West Union, WV 26456
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Doddridge Co. Commission
Address West Union Courthouse
West Union, WV 26456

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech Street
Clarksburg, W. Va. 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name NONE
Address
MAR 17 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated Dec. 4, 1978, to the undersigned well operator from Paul Farr

[If said deed, lease, or other contract has been recorded:]
Recorded on Dec, 10, 1978, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Book 107 at page 189. 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) _____

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

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objections they wish to have 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 on or 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
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1601 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3093

BLANKET BOND

J & J Enterprises, Inc.
Well Operator

By Peter Battles
Peter Battles
Its Geologist

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

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack

Address P.O. Box 48

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5500 feet. Rotary X / Cable tools /
 Approximate water strata depths: Fresh, 80 feet; salt, 100 feet.
 Approximate coal seam depths: NONE. Is coal being mined in the area: Yes No X

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Weight per ft. New Used For drilling			
Conductor	13/4 H-40	42 X	30	0	
Fresh water	8 5/8 RW 23	X	1600	300 SKS	Kinds
Coal	8 5/8 RW 23		1600	300 SKS	Sizes
Intermediate					
Production	1/2 J-55	10.5 X	5450	410 SKS	Depths set
Tubing					
liners					
					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 drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is a 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 11-17-80

Deputy Director - Oil & Gas Division

The undersigned coal operator / owner / lessee / of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well 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 regulations of the West Virginia Code and the governing regulations.

W A I V E R

By _____ Its _____