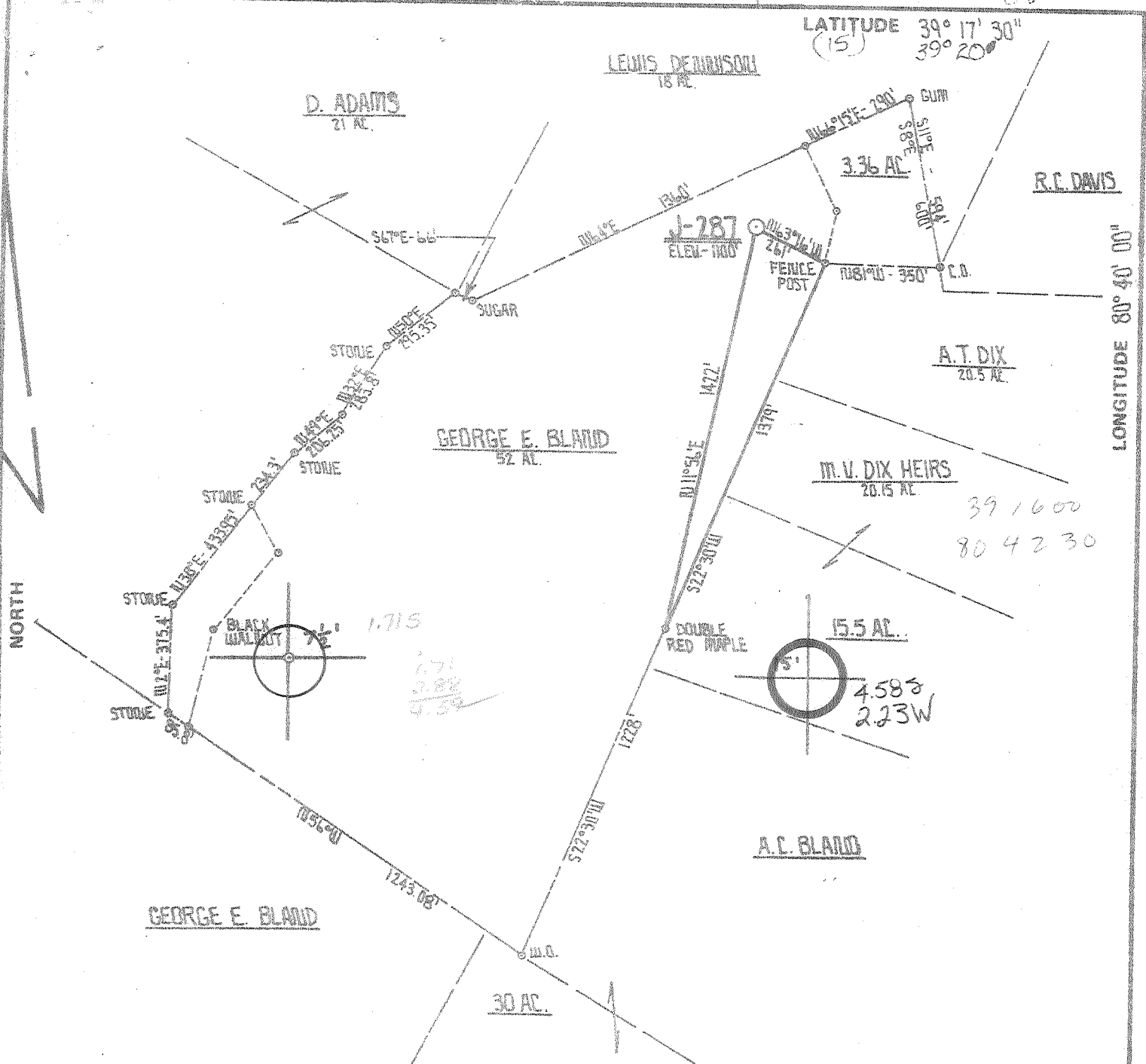


LATITUDE 39° 17' 30" (15) 39° 20"

LONGITUDE 80° 40' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RTS. 18 & 40
 ELEV. - 818'

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) Ann L. Wheeler
 R.P.E. _____ L.L.S. 530



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



DATE MAY 16 1980
 OPERATOR'S WELL NO. J-287
 API WELL NO. _____
47 - 017 - 2802
 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 1100' WATER SHED MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIEGE
 QUADRANGLE SMITHSURG 7.5' Centerpoint 15'SW
 SURFACE OWNER GEORGE E. BLAND ACREAGE 52
 OIL & GAS ROYALTY OWNER GEORGE E. BLAND LEASE ACREAGE 52
 LEASE NO. H.S.2
 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' 5475
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 BLACKHAND, W. VA. 26201 ADDRESS P.O. BOX 48 BLACKHAND, W. VA. 26201

WELL OPERATOR'S REPORT
OF

Operator's Well No. J-287
API Well No. 47-017
State County 2802

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

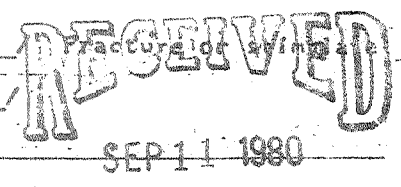
WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 1100 Watershed: Meathouse Fork
District: New Milton County: Doddridge Quadrangle: Smithburg 7.5'

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

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

PERMITTED WORK: Re-drill / Convert / Drill deeper / Redrill / Fracture or re-fracture
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____



REPORT ISSUED ON 7-23, 1980

OIL & GAS DIVISION
OIL & GAS INSPECTOR FOR THIS WORK: Paul Garrett
DEPT. OF MINES
Name Paul Garrett
Address 321 Beech St.
Buckhannon, WV 26201

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

GEOLOGICAL TARGET FORMATION: Alexander Depth 5160-5220 feet
Depth of completed well, 5373 feet Rotary / Cable Tools
Water strata depth: Fresh, 1285 feet; salt, _____ feet.
Coal seam depths: 790-92 Is coal being mined in the area? No
Work was commenced 8-5, 1980, and completed 8-11, 1980

DRILLING AND TUBING PROGRAM

TUBING OR CEMENT TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
conductor	11 3/4	H-40	42	x				Kinds
fresh water	8 5/8	ERW	23	x		1617	1617	420 sks.
oil	8 5/8	ERW	23	x		1617	1617	420 sks.
intermediate								Sizes
production	4 1/2	J-55	10.5	x		5293.55	5293.55	750 sks.
string								Deaths set
logs								Perforations:
								Top Bottom
								5120 5212
								4871 4874

WELL FLOW DATA

Producing formation Alexander Pay zone depth 5120-5212 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ bbl/d
Final open flow, 793 Mcf/d Final open flow, _____ bbl/d
Time of open flow between initial and final tests, 4 hours

Static rock pressure, 1650 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)

Second producing formation Benson Pay zone depth 4871-4874 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

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

Alexander: Perforations: 5150-5212 (12 holes)

Fracturing: 300 lbs. Citric Acid: 150 sks. 80/100 sand: 400 sks. 20/40 sand: 480 Bbls. fluid.

Benson: Perforations: 4817-74 (12 holes)

Fracturing: 200 gal. Acid: 150 sks. 80/100 sand: 200 sks. 20/40 sand: 470 Bbls fluid.

ELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	20	
Sand			20	120	
Red rock			120	135	
Sand & shale			135	260	
Shale			260	320	
White sand			320	630	
Shale			630	675	
Sand			675	790	
Coal			790	792	
Shale			792	1060	
Sand & shale			1060	1085	
White sand			1085	1125	
Shale			1125	1240	
Sand			1240	1460	
Shale			1460	1480	
Sand			1480	1520	
Shale			1520	1555	
Coarse sand			1555	1575	
Shale			1575	1775	
Big Lime & Injun			1775	1940	
Shale			1940	2125	
Sand			2125	2150	
Sand & shale			2150	2270	
Shale			2270	3070	
Sand & shale			3070	3160	
Sand & shale			3160	3360	
Sand & shale			3360	4395	
Sand & shale			4395	4710	
Sand			4700	4710	Gas ck @ 3402 2/10 thru 1 1/2" w/ water
Shale			4710	4870	
Benson			4870	4875	Gas ck @ 4694 2/10 thru 1 1/2" w/ water
Shale & sand			4875	5160	
Alexander			5160	5220	
Shale			5220	5373	Gas ck @ 5311 4/10 thru 1 1/2" w/ water
				T.D.	5373

(Attach separate sheets to complete as necessary)

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

Regulation 1.0214 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-287
API Well No. 47 - 017 - 2802
State County Permit

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1100 Watershed: Meathouse Fork
District: New Milton County: Doddridge Quadrangle: Smithburg 7.5

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

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

OIL & GAS LEASE & GAS COAL OWNERSHIP OWNER George E. Bland
Address Blandville, WV 26328

COAL OPERATOR None
Address

ACREAGE 52
SURFACE OWNER George E. Bland
Address Blandville, WV 26328

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name George E. Bland
Address Blandville, WV 26328

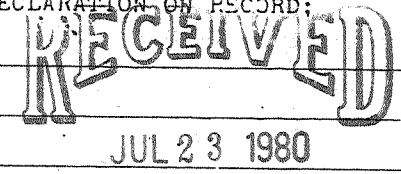
ACREAGE 52

Name
Address

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 21 Beech ST.
Clarksburg, WV 26301



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 / other contract / dated Aug-28, 1979, to the undersigned well operator from Hugh Spencer
[if said deed, lease, or other contract has been recorded:]

Recorded on Oct., 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas lease Book 111 at page 390. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
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 coal operator, coal owner(s), and coal lessee are hereby notified that any notices they wish to make 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
111 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

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

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 Company
Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5475 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 100 feet; salt, 1290 feet.
Approximate coal seam depths: none Is coal being mined in the area: Yes No X

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, 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 MUST BE POSTED AT THE WELL SITE where fracturing or stimulating is to be part of the work for which a permit is sought and is void 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 3-29-81

Signature of Deputy Director - Oil & Gas Division

The undersigned 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:

W A I V E R

To undersigned coal operator / owner / lessee of the coal under this well location has examined the 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 requirements of the West Virginia Code and the governing regulations.

By [Signature]
Its [Signature]