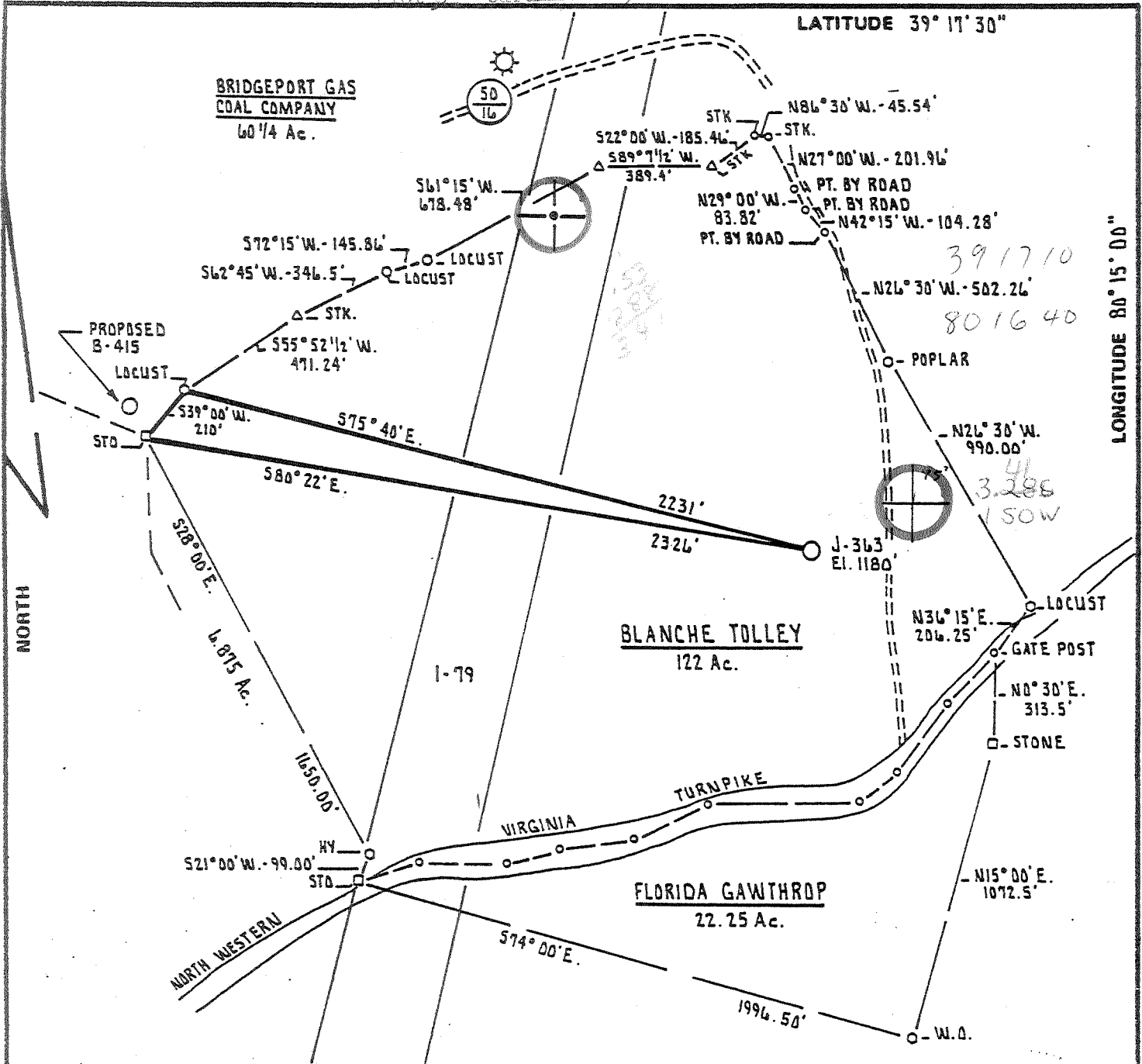


ch 1/5

Plot Card CSD

39° 20'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. ON R.R. AT LODGEVILLE ELEVATION 1059'

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 B. Wheeler
 R.P.E. _____ L.L.S. 530



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



DATE DECEMBER 11th, 19 80
 OPERATOR'S WELL NO. J-363
 API WELL NO. _____
47 - 033 - 2542
 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 1180' WATER SHED SIMPSON CREEK
 DISTRICT SIMPSON COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7.5' & 15' SE
 SURFACE OWNER JAMES T. LAROSA ACREAGE 2.924 Ac.
 OIL & GAS ROYALTY OWNER BLANCHE TOLLEY LEASE ACREAGE 116 Ac.
 LEASE NO. S-582

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.D. BOX 48 BUCKHANNON WEST VIRGINIA 26201 ADDRESS P.D. BOX 48 BUCKHANNON WEST VIRGINIA 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 X / Liquid Injection ___ Waste Disposal ___
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow y /)
LOCATION: Elevation: 1180 Watershed: Simpson Creek
District: Simpson County: Harrison Quadrangle: Clarksburg 7.5

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT James R. Willett
Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201

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

PERMIT ISSUED ON 4/15, 19 81, OIL & GAS INSPECTOR FOR THIS WORK:
Name Stephen Casey
IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Address Rt. # 2, Box 232-D

_____, 19 _____, Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth _____ feet

Depth of completed well, 4687 feet Rotary X / Cable Tools _____

Water strata depth: Fresh, _____ feet; salt, 0 feet.

Coal seam depths: 300-05, 368-72, 420-25s coal being mined in the area? No

Work was commenced 5/23, 19 81, and completed 5/29, 1981

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		20.80	20.80	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1397.10	1397.10	320 sks	
Coal	8 5/8	ERW	23	x		1397.10	1397.10	320 sks	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		4566.75	4566.75	610 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									3184 3194
									4304 4322
									4490 4498

OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4490-98 feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

Combined Final open flow, 531 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, 6 1/2 hours

Static rock pressure, 1250 psig (surface measurement) after 96 hours shut in

[If applicable due to multiple completion--]

Second producing formation Riley & Balltown Pay zone depth 4304-4322 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

WELL HOLE PRESSURE $P_{we} = 2.71828 \times (53.34) (T) T = 60 + (.0075 \times 4566.75) + 459.7 T = 553.9 \times = 29547.7 \times = 0000338$
 $L = 3837 \times = .9 Pf = (1250) (2.71828) (.0000338) (.658) (3837) Pf = (1250) (2.71828) \cdot 0853$

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

Benson: 4490-98 (12 holes)

Fracturing: 10,000 lbs. 80/100 sand: 28,000 lbs. 20/40 sand:480 Bbls. fluid.

Riley: Perforations: 4304-4322 (12 holes)

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

Balltown: 3184-94 (12 holes)

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

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill			0	67	
Shale & Red rock			67	195	
Red rock, shale & sand			195	235	
White sand			235	290	Gas ck @ 1840 No show
Shale			290	300	Gas ck @ 2215 No show
Coal			300	305	
Shale & sand			305	368	Gas ck @ 2588 15/10-1" w/water
Coal			368	372	29,166 cu.ft.
Dark shale & sand			372	426	
Coal			426	670	Gas ck @ 3216 15/10-1" w/water
Dark shale & sand			670	950	29,166 cu.ft.
Sand			950	1090	
Shale, sand & red rock			1090	1130	Gas ck @ 3529 15/10-1" w/water
Red rock & shale			1130	1490	29,166 cu.ft.
Big Lime			1490	1610	
Sand & shale			1610	1650	Gas ck @ 4344 12/10-1" w/water
Shale & sand			1650	1950	24,087 cu.ft.
Sand & shale			1950	2215	
Sand & shale			2215	3184	Gas ck @ 4562 28/10-1" w/water
Balltown			3184	3194	39,820 cu.ft.
Sand & shale			3194	3800	
Shale & sand			3800	4304	
Riley			4304	4322	
Brown sand			4322	4330	
Shale			4330	4430	
Benson			4430	4498	
Shale			4498	4600	
Sand & shale			4600	4687	
				TD	

(Attach separate sheets as complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

Robert Dahlin

Geologist

NOTE: Regulation 2.02(6) 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-363 API Well No. 47 - 033 - 2542 State County Permit

WELL TYPE: Oil / Gas x (If "Gas", Production x / Underground storage / Deep / Shallow X /) Elevation: 1180 Watershed: Simpson Creek District: Simpson County: Harrison Quadrangle: Clarksburg 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

COAL & GAS LEASE OWNER Blanche Tolley and Henry Tolley Trustees Address Box 986 Clarksburg, WV 26301

COAL OPERATOR Address

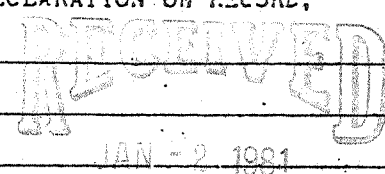
ACREAGE 116 Ac. James Joseph LaRosa ADDRESS OWNER 420 Buckhannon Pike, Clarksburg, WV 26301 Acreage 120

COAL OWNER(S) WITH DECLARATION ON RECORD: Name James Joseph LaRosa 116 Ac. Address 420 Buckhannon Pike Clarksburg, WV 26301

WELL SALE (IF MADE) TO: Consolidated Gas Address

COAL LESSEE WITH DECLARATION ON RECORD: Name Address

COAL & GAS INSPECTOR TO BE NOTIFIED Paul Garrett Address 321 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 x / other contract / dated May 29, 1980; to the undersigned well operator from Blanche Tolley and Henry C. Tolley Trustee of said deed, lease, or other contract has been recorded:]

Recorded on July 8, 1980, in the office of the Clerk of the County Commission of Harrison County, West Virginia, in Deed Book 1093 at page 106. 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 application 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 or registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee prior to 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 1000 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 345-3092

J & J Enterprises Well Operator By Peter Battles Geologist

BLANKET BOND

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
Address P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5400 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 80 feet; salt, 950 feet.

Approximate coal seam depths: 450 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 (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H40	42	X		30	30	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	X		1130	1130	375 sks.	} @ TS Sizes
Coal	8 5/8	ERW	23	x		1130	1130	375 sks.	
Intermediate									
Production	4 1/2	J55	10.5	X		5350	5350	535 450 sks or	} Depths set to regula. of rule 15.01
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 dwelling 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 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 9-16-81.

J. P. Muzzey
Deputy Director - Gas Division

This permit must be posted 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:

TA I V E R

I, the undersigned coal operator / owner / lessee / of the coal under this well location, have examined this proposed well location. If a mine map exists which covers the area of 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

Its