



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION B.M. AT INT. OF RT. 14 AND RT. 29/27 ELEVATION 1003'

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) Amiel S. Mueller
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

--- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (878)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE SEPTEMBER 3RD 19 80
 OPERATOR'S WELL NO. J-371
 API WELL NO. 47 - D33
 STATE COUNTY PERMIT 2468

WELL TYPE OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION ELEVATION 1220' WATER SHED LITTLE TENMILE CREEK
 DISTRICT SARDIS COUNTY HARRISON
 QUADRANGLE WALLACE 7.5' CLARKSBURG 15' W
 SURFACE OWNER CLARENCE FIBER, JR. ACREAGE 80.4 Ac.
 OIL & GAS ROYALTY OWNER CLARENCE FIBER, JR. LEASE ACREAGE 80.4 Ac.
 LEASE NO. F-7
 PROPOSED WORK: DRILL X 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 ALEXANDER ESTIMATED DEPTH 5400'
 WELL OPERATOR J. and J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON WEST VIRGINIA 26201 BUCKHANNON WEST VIRGINIA 26201

104
 SEP 25 1980

6-6 BROWN-LUMBERPORT

[08-78]

WELL OPERATOR'S REPORT 43

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 x /)

LOCATION: Elevation: 1220 Watershed: Little Tenmile
District: Sardis County: Harrison Quadrangle: Wallace

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

PERMITTED WORK: Drill / Convert x / Drill deeper / Redrill
Plug off old formation / Perforate new formation
Other physical change in well (specify)
RECEIVED
OCT 27 1980

PERMIT ISSUED ON 9-16, 1980 OIL & GAS INSPECTOR Paul Garrett
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED)
Name Paul Garrett DEPT. OF MINES
Address 321 Beech St. Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth feet
Depth of completed well, 5302 feet Rotary x / Cable Tools
Water strata depth: Fresh 332,1670 feet; salt, None feet.
332-36,712-15,465-69
Coal seam depths: 1172-75 Is coal being mined in the area? No
Work was commenced 9-11, 1980, and completed 9-18, 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		25	25	0 sks.	Kinds -
Fresh water	8 5/8	ERW	23	x		1569	1569	400 sks.	
Coal	8 5/8	ERW	23	x		1569	1569	400 sks.	Sizes
Intermediate									
Production	5 1/2	J-55	10.5	x		5161.80	5161.80	400 sks.	Depth set
Tubing									
Liners									Perforations:
									Top Bottom
									3971 3997
									5100 5104

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5100-5104 feet
Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bbl/d
Combined Final open flow, 353 Mcf/d Final open flow, Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1100 psig (surface measurement) after 96 hours shut in
[If applicable due to multiple completion--]
Second producing formation Balltown Pay zone depth 3971-3997 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

NOV 25 1980

[08-78]

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

Benson: Perforations: 5100-5104 (3 holes)
Fracturing: 200 sks. 80/100 sand: 400 sks. 20/40 sand: 600 Bbls. fluid.

Balltown: Perforations: 3971-97 (12 holes)
Fracturing: 500 gal. Acid: 200 sks. 80/100 sand: 400 sks. 20/40 sand:
600 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	43 Top Feet	Bottom Feet	Remarks Including indication of all fr and salt water, coal, oil and
Conductor			0	40	
Sandy shale & red rock			40	332	
Coal			332	336	1/2" stream water @ 332
Sand & shale			336	380	
Sand			380	465	
Coal			465	469	
Sand & shale			469	712	
Coal			712	715	
Sand & sandy shale			715	770	
Sand			770	833	
Sandy shale & red rock			833	1172	
Coal			1172	1175	
Sandy shale & sand			1175	1405	
Sandy shale & sand			1405	1675	
Sandy shale			1675	1970	1/2" stream water @ 1670
Little lime			1970	1985	
Shale			1985	2000	
Big Lime			2000	2050	
Sand & sandy shale			2050	2135	
Sand & sandy shale			2135	2390	
Sandy shale & sand			390	3190	
Sand & sandy shale			3190	3971	Gas ck @ 4960 30/10 thru 2" w water
Balltown			3997	4410	
Sandy shale			4410	5090	Gas ck @ 5140 65/10 thru 2" w water
Sand & sandy shale			5090	5107	
<u>Benson</u>			5090	5107	
Sandy shale			5107	5302	Gas ck @ T.F. 75/10 thru 2" w/water

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles

Peter Battles

Its

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-371
API Well No. 47-033 -2468
State County Pe

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

LOCATION: Elevation: 1220 Watershed: Little Tenmile Creek
District: Sardis County: Harrison Quadrangle: Wallace 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

OIL & GAS ROYALTY OWNER Clarence Fiber Jr.
Address 101 Meigs Ave.
Clarksburg, WV 26301

COAL OPERATOR None
Address

ACREAGE 80.4
SURFACE OWNER Clarence Fiber Jr.
Address 101 Meigs Ave.
Clarksburg, WV 26301

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

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address 321 Beech St.
Clarksburg, wv 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name Pittston Coal Co.
Address Wellington Heights
Philippi, WV 26416

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 August 18, 1980, to the undersigned well operator from James Fazalare

[If said deed, lease, or other contract has been recorded:]

Recorded on August 26, 1980, in the office of the Clerk of the County Commission of Harrison County, West Virginia, in oil & gas lease book 1095 at page 182. 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 coal operator, coal owner(s), and coal lessee are hereby notified that any objection 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 plot 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 PHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
WASHINGTON STREET EAST
LESTON, WV 25111

PHONE: (304) 345-3097

J. & J. Enterprises Inc.
Well Operator

By Peter Battles
Peter Battles
Geologist

[08]

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, 5500 feet Rotary Cable tools

Approximate water strata depths: Fresh, 150 feet; salt, 1570 feet.

Approximate coal seam depths: 150, 410, 700 Is coal being mined in the area? Yes No

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		30	0	0 sks	Kinds None
Fresh water	8 5/8	ERW	23	X		1635	1635	415 sks	
Coal	8 5/8	ERW	23	X		1635	1635	415 sks	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5500	5500	350 sks	Depths set
Tubing									Perforations:
Liners									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 § 22-4-1a 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
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 5-11-81.

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed 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:

W A I V E R

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 requirements of the West Virginia Code and the governing regulations.

Date: 9-11, 19 80

By Earle Deloey
Its Chief Engr

[Signature]