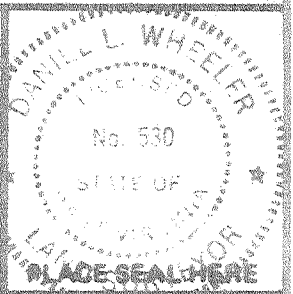


FILE NO. D.E. 2-72
 DRAWING NO. VAR. 3-56
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION 100' SW OF LOCATION ELEVATION 913'

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 OCTOBER 2nd 1980
 OPERATOR'S WELL NO. J-285
 API WELL NO. 47-017-2855
 STATE 47 COUNTY 017 PERMIT 2855

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 930' WATER SHED RIGHT FORK OF ARNOLD CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD 9.5' HOLBROOK 15' NE
 SURFACE OWNER JOHN HENRY PERINE ACREAGE 24.12 Ac.
 OIL & GAS ROYALTY OWNER SAMUEL PERINE ET AL. LEASE ACREAGE 118.29 Ac.
 LEASE NO. K-21
 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 5300'
 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

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

WELL OPERATOR'S REPORT 25
23
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: 930 Watershed: Right Fork of Arnolds Creek
District: West Union County: Doddridge Quadrangle: Oxford 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 October 17, 19 80, OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
IF APPLICABLE: PLUNGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Address 321 Beech St.
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 4960-5000 feet
Depth of completed well, 5153 feet Rotary / Cable Tools
Water strata depth: Fresh 100,312 feet; salt 870,930 feet.
Coal seam depths: None Is coal being mined in the area? NO
Work was commenced 1/2, 19 81, and completed 1/14, 19 81

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		34	34	0 sks.	Winds
Fresh water	8 5/8	ERW	23	x		1206.60	1206.60	250 sks.	
Coal	8 5/8	ERW	23	x		1206.60	1206.60	250 sks.	Sizes
Intermediate									
Production Tubing	4 1/2	J-55	10.5	x		5079.05	5079.05	325 sks.	Deposits set
liners									Perforations:
									Top Bottom
									3622 3637
									3837 3855
									4968 4997

RECEIVED
JAN 23 1981
OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA
Producing formation Alexander Pay zone depth 4968 -97 feet
Gas: Initial open flow, _____ McF/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 1,719 McF/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1450 psig (surface measurement) after 24 hours shut in
[If applicable due to multiple completion--]
Second producing formation Bradford & Balltown Pay zone depth _____ 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

(Continue in reverse side)

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

Alexander: Perforations: 4968-97 (16 holes)

Fracturing: 250 sks. 80/100 sand: 500 sks. 20/40 sand: 600 Bbls. fluid.

Bradford: Perforations: 3837-55 (13 holes)

Fracturing: 100 sks. 80/100 sand: 280 sks. 20/40 sand: 500 gal. Acid: 400 Bbls. fluid.

Balltown: Perforations 3622-37 (12 holes)

Fracturing: 200 sks. 80/100 sand: 280 sks. 20/40 sand: 500 gal Acid: 500 Bbls. Fluid.

Well 103

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	REMARKS Including indication of all gases and salt water, coal, oil and gas
Fill			0	5	
Sand, shale & red rock			5	105	
Red rock, sand & shale			105	250	
Sand, shale & red rock			250	610	Damp @ 48'
Sand, shale & red rock			601	745	½" stream @ 100'
Sand & shale			745	810	
Salt Sand			810	868	1" stream @ 312'
Sand & shale			868	870	
Salt sand			870	930	
Sand & shale			930	1095	Gas ck @ 2087 20/10-½" w/water
Sand & shale			1095	1678	8800 cu.ft.
Big Lime			1678	1735	Gas ck @ 3977 30/10-½" w/water
Big Jnjun			1735	1820	10,800 cu.ft.
Sand & shale			1820	3622	Gas ck @ 4506 136/10-1" w/water
Balltown			3622	3637	122.45
Sand & shale			3637	3837	Gas ck @ 4814 138/10-1" w/water
Bradford			3837	3855	124.72
Sand & shale			3855	4675	
Benson			4675	4680	
Sand & shale			4680	4960	
Alexander			4960	5000	
Sand & shale			5000	5153 TD	

(Attach separate sheets as complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles
Peter Battles

Is

Geologist

NOTE: Regulation 8.02(4) 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-285

API Well No. 47-017-2855
State County Per

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

LOCATION: Elevation: 930 Watershed: Right Fork of Arnolds Creek
District: West Union County: Doddridge Quadrangle: Oxford 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 Samuel Perine, et. al.
Address Rt. 3, 50714 Duke Rd.
East Liverpool, OH 44392

COAL OPERATOR None
Address

Acreage 118.29

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER John H. & Sarah Perrine
Address Rt. 1
West Union, WV 26456
Acreage 24.12

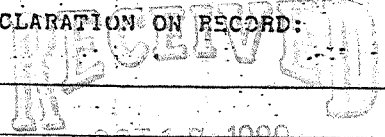
Name John H. & Sarah Perrine
Address Rt. 1
West Union, WV 26456

FIELD SALE (IF MADE) TO:
Name
Address

Name
Address

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

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address



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. 1, 1978, to the undersigned well operator from Samuel Perine

[If said deed, lease, or other contract has been recorded:]
Recorded on August 9, 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 110 at page 115. 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 unit 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
1614 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3097

BLANKET BOND

J & J Enterprises Inc.
Well Operator
By Peter Battles
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 Co.

Address P. o. Box 48

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5300 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 300 feet; salt, 1350 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, Bot)

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 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 6-22-81

Signature of 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.

By [Signature] Its [Signature]