



LATITUDE 39° 17' 30"
(15') 39 20

LONGITUDE 80° 40' 00"

39 15 45
80 42 35

4.905
2.32W

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION INT. RT. 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) Harold L. Shuler
R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

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



DATE MAY 16 19 80
OPERATOR'S WELL NO. J-288
API WELL NO. _____
47 - 017 - 2762
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1000' WATER SHED MENTHOUSE FORK
DISTRICT NEW MILTON COUNTY DEARBORN
QUADRANGLE SMITHBURG 75 CENTERPOINT 151 30
SURFACE OWNER GEORGE E. BLAND ACREAGE 52
OIL & GAS ROYALTY OWNER GEORGE E. BLAND LEASE ACREAGE 52
LEASE NO. 852
PROPOSED WORK: DRILL 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. J. ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P.O. BOX 48 RUCKHANNON, W. VA. 26201 ADDRESS P.O. BOX 48 RUCKHANNON, W. VA. 26201

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

WELL OPERATOR'S REPORT of
3P
DRILLING, TRAIL RUNS AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil Gas Liquid Injection _____ Waste Disposal _____
If "Gas", specify with Underground storage _____ Deep _____ Inallow
LOCATION: Elevation: 1000 Watershed: Meathouse Fork
District: New Milton County: Doddridge Quadrangle: Smithburg 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 June 6, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:
Name Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26201

GEOLOGICAL TARGET FORMATION: Alexander Depth 5004-5038 feet
Depth of completed well, 5228 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 320 feet; salt, None feet.
Coal seam depths: 40-43 Is coal being mined in the area? No
Work was commenced 7-21, 19 80, and completed 7-28, 19 80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-IN OR SACKS (Cubic Feet)	FADERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	113/4H-40	42	X			22	22	0 sks. Hinds
Fresh water	85/8	ERW	23	X		1585.90	1585.90	450 sks.
Coal	85/8	ERW	23	X		1585.90	1585.90	450 sks. Sides
Intermediate								
Production	41/2	J-5510.5	X			5126.10	5126.10	Beating set
Tubing								
Liners								
								5004 5038
								4704 4707

RECEIVED
AUG 2 1980

OIL & GAS DIVISION
DEPARTMENT OF MINES

OPEN FLOW DATA
Producing formation: Alexander Depth 5004-38 feet
Test: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 189 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static well pressure, 1250 psig (surface measurement) after 96 hours shut in
Second producing formation: Benson Pay zone depth: 4704 - 4707 feet
Test: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, _____ hours
Static well pressure, _____ psig (surface measurement) after _____ hours shut in

Continued on reverse side

SEP 9 1980

108-78

DETAILS OF PERFORATED INTERVALS, FRACTURING OF CEMENT LINES, PHYSICAL PROPERTIES, ETC.

Alexander: Perforations: 5004-5038 (13 holes)

Fracturing: 300 lbs. Citric Acid: 100 sks. 80/100 sand: 600 sks. 20/40 sand:
700 Bbls. fluid.

Benson: Perforation: 4704-4707 (12 holes)

Fracturing: 500 gal. Acid: 200 sks. 80/100 sand: 300 sks. 20/40 sand: 500 gal. Acid
600 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of oil, gas and salt water, etc.
Clay			0	10	
Red rock			10	17	
Sand			17	30	
Shale			30	40	
Coal			40	43	
Shale			43	55	Damp @ 75'
White sand			55	140	
Sand & shale			140	165	
Red rock			165	170	
Sand			170	265	
Shale			265	290	
Sand & shale			290	325	
Shale			325	700	
Sand			700	785	
Shale			785	870	
Sand & shale			870	905	
White sand			905	965	
Shale			965	1050	
Sand			1050	1100	
Shale			1100	1220	
Shale			1220	1245	
Sand			1245	1320	
Shale			1320	1390	
Sand			1390	1495	
Shale			1495	1580	
Red rock & shale			1580	1630	
Sand			1630	1650	
Shale			1650	1700	
g. Lime & Injun			1700	1830	
Shale			1830	1990	
Sand			1990	2110	
Shale			2110	3205	
Sand			3205	3245	

(Attach separate sheets if complete as necessary)

J & J Enterprises, Inc.

Well Operator

Peter Battles

Peter Battles Geologist

THIS Logbook is the property of J & J Enterprises, Inc. and shall remain the property of J & J Enterprises, Inc. in the event of all circumstances, including loss, destruction or theft.

Shale	3245	3290	Gas ck. @ 3071 - No show
Sand	3290	3335	
Sand & Shale	3335	3380	
Sand	3380	3560	
Shale	3560	4704	
Benson	4704	4707	Gas ck. @ 4553 - No show
Shale	4707	4770	
Brown sand	4770	4780	
Shale	4780	4875	
Sand & shale	4875	4885	
Shale	4885	5000	
Sand	5000	5004	Gas ck @ 5228 - 2/10 thru 1 1/2"
Alexander	5004	5038	T.D. 5228 w/water
Shale	5038	5228	

SEP 9 1980

[06-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-288 API Well No. 47-017-2762 State County Permit

WELL TYPE: Oil / Gas X (If "Gas", Production X / Underground storage / Deep / Shallow X /) Elevation: 1000 Watershed: Meathouse Fork District: New Milton County: Doddridge Quadrangle: Smithburg 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, WV26201

LAND & GAS INTERESTS OWNER George E. Bland Address Blandville, WV 26328

COAL OPERATOR None Address

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

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

DEED SALE (IF MADE) TO: Address

COAL LESSEE WITH DECLARATION ON RECORD: Name None Address

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

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 Aug. 28, 1979, to the undersigned well operator from Hugh Spencer

[said deed, lease, or other contract has been recorded:] recorded on Oct. 3, 1979 in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & gas Book 111 at page 390. 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)

as 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 changes 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 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 348-3092

RECEIVED

JUN 6 1980

J & J Enterprises, Inc. Well Operator

OIL & GAS DIVISION DEPT. OF MINES Its

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 Company
Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5400 feet Rotary Cable tools
Approximate water strata depths: Fresh, 100 feet; salt, 1200 feet.
Approximate coal seam depths: None 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		
Conductor	13/4	H-40	42	x		30	0	0 sks Kinds
Fresh water	8 5/8	ERW	23	x		1260	1260	325 sks
Coal	8 5/8	ERW	23	x		1260	1260	325 sks Sizes
Intermediate								
Production	4 1/2	J-55	10.5	x		5380	5380	280 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 dwelling within 200 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE. A separate Form IV-2 is 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 2-10-81.

Robert H. Bell
Deputy Director - Oil & Gas Division

The following rules must be complied with 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: _____, 19____

By _____
Its _____