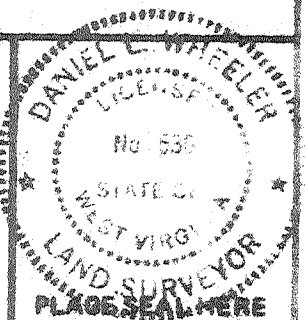


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200'
 PROVEN SOURCE OF ELEVATION INT. RT. 18 AND RT. 40
ELEVATION 818'

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) 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 JUNE 26th, 19 80
 OPERATOR'S WELL NO. J-299
 API WELL NO. 47 - 017 - 2790
 STATE 47 COUNTY 017 PERMIT 2790

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 870' WATER SHED MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY ODDRIDGE
 QUADRANGLE SMITHBURG 7.5' Centerpoint 15' SW
 SURFACE OWNER GEORGE BLAND ACREAGE 34 Ac.
 OIL & GAS ROYALTY OWNER GEORGE BLAND LEASE ACREAGE 34 Ac.
 LEASE NO. H.S.1
 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.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WEST VIRGINIA 26201 BUCKHANNON, WEST VIRGINIA 26201 1980

6-6 SMITHTON FLINT - SEDALIA

WELL OPERATOR'S REPORT //
OF

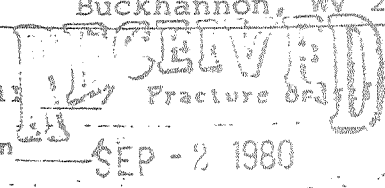
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 870 Watershed: Meathouse Fork
District: New Milton County: Doddridge Quadrangle: Smithburg 7.5'

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

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



PERMIT ISSUED ON July 17, 1980

OIL & GAS DIVISION
DEPT. OF MINES
OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Paul Garrett
Address 321 Beech St.
Clarksburg, WV 26301

LOGICAL TARGET FORMATION: Alexander Depth 4891-4990 feet
Depth of completed well, 5144 feet Rotary / Cable Tools
Water strata depth: Fresh 200, 4990 feet; salt None feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced 7-28, 1980, and completed 8-4, 1980

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per Ft	New	Used	For drilling		
Drill pipe	1 3/4	H-40	42	x		31	0	0 sks. Kinds -
Production tubing	8 5/8	ERW	23	x		1386	1386	330 sks.
Production tubing	8 5/8	ERW	23	x		1386	1386	330 sks. Sizes
Production tubing	4 1/2	J-55	10.5	x		5037.80	5037.80	165 sks. Depth set
Perforations								Perforations: Top Bottom
								4891 4939
								4518 4521
								4595 4598

FLOW DATA

Producing formation Alexander Pay zone depth 4891-4939 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Combined Final open flow, 539 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1500 psig (surface measurement) after 24 hours shut in

Second producing formation Benson Pay zone depth 4518-4598 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

SEP 16 1980

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

Alexander: Perforations: 4891-4939 (12 holes)
Fracturing: 800 gal. Acid: 300 sks. 20/40 sand: 150 sks. 80/100 sand:
483 Bbls. fluid.

Benson: Perforations: 4518-4598 (12 holes)
Fracturing: 800 gal. Acid: 300 sks. 20/40 sand: 150 sks. 80/100 sand:
483 Bbls. fluid.

WELL 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	15	
Shale			15	50	
White Sand			50	140	1" stream @ 200'
Sand & shale			140	300	
Shale			300	410	
Red rock			410	420	
Shale			420	750	
Sand			750	965	
Shale			965	1025	
Sand			1025	1115	
Sandy shale			1115	1280	
Sand			1280	1350	
Black shale			1350	1400	
Shale			1400	1560	
Lime & Injun			1560	1745	
Shale			1745	1830	
Sand			1830	2020	
Shale			2020	3735	Gas ck. @ 3031 6/10 thru 1 1/2" w/water
Sand & shale			3735	3869	
Sand & shale			3869	4085	
Sand & shale			4085	4215	
Sand			4215	4290	
Shale			4290	4518	
Benson			4518	4598	
Shale			4598	4615	Gas ck @ 4459 6/10 thru 1 1/2" w/water
Sand & shale			4615	4645	
Sand			4645	4650	
Sand & shale			4650	4891	
Alexander			4891	4990	
Shale			4990	5144	T.D. 5144

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By Peter Battles
Peter Battles
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-299

API Well No. 47 - 0172790
State County Ferr

WELL TYPE: Oil / Gas x /
(If "Gas", Production x / Underground storage / Deep / Shallow x /)
LOCATION: Elevation: 870 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

OIL & GAS ROYALTY 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

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

RECEIVED
JUL 17 1980

OIL & GAS INSPECTOR TO BE NOTIFIED
Name 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 / other contract x / dated Aur. 28, 1979, to the undersigned well operator from Hugh Spencer

If 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: Re-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 § 12-2-1 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 declaration 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
100 WASHINGTON STREET EAST
CHARLESTON, WV 25301
TELEPHONE: (304) 526-4000

BLANKET BOND

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

[08-78]

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, W V 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5400 feet Rotary X / 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	Left in well		
Conductor	1 3/4	H-40	42	x		30	0	0 sks.	Minds
Fresh water	8 5/8	ERW	23	x		1260	1260	325 sks	
Coal	8 5/8	ERW	23	x		1260	1260	325 sks	Cires
Intermediate									
Production	4 1/2	J-55	10.5	x		5380	5380	280 sks.	Deaths 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-3, "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 drilling within 100 feet of the proposed well.

~~THIS PERMIT MUST BE POSTED AT THE WELL SITE~~ 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 3-18-81.

[Signature]
Deputy Director - Oil & Gas Division

The following order must be complied with by the well operator, owner, or lessee of the coal lease who has recorded a declaration under Code § 22-4-12, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E

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 shows 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 complies with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By
Its