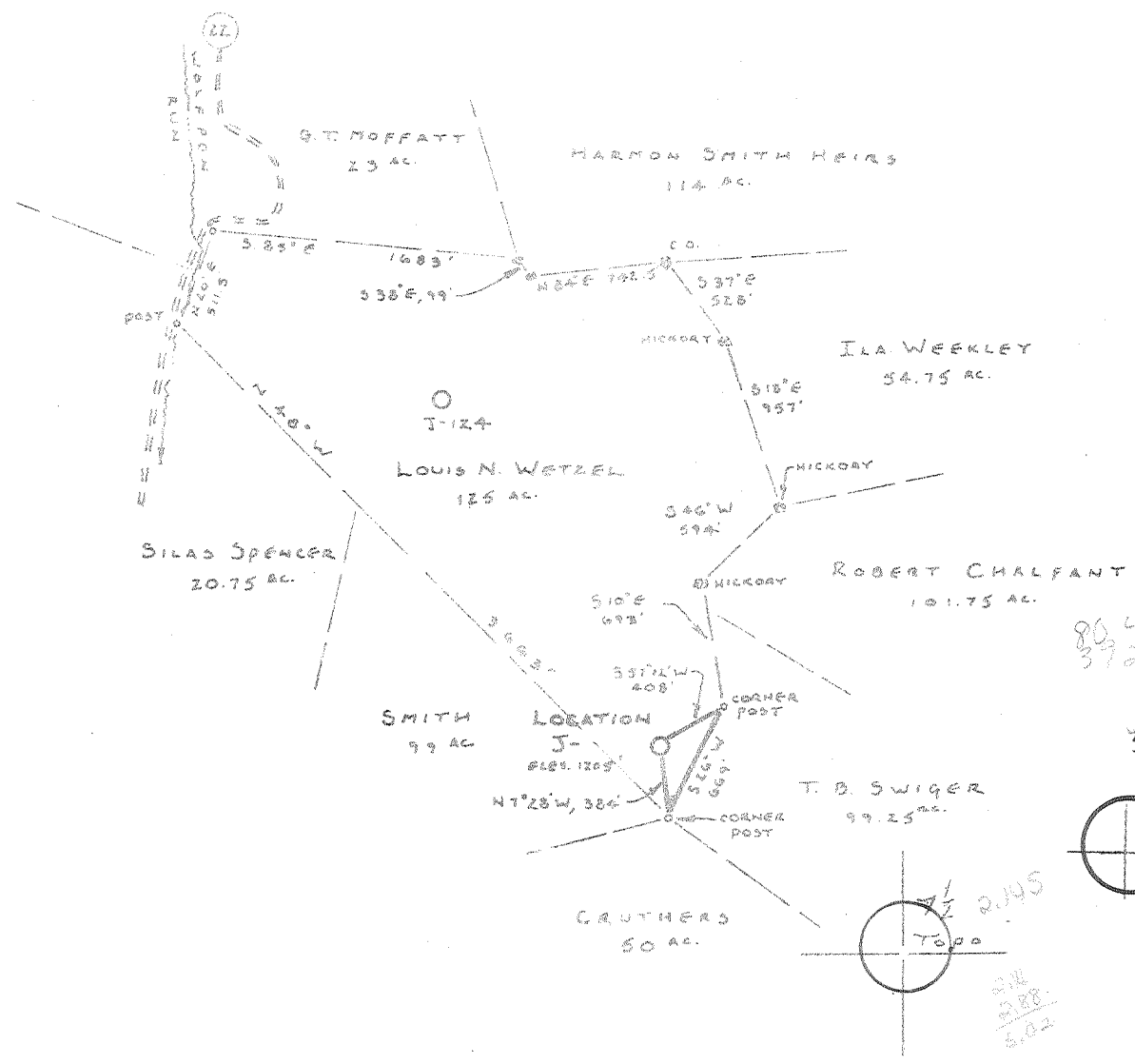


NORTH



FILE NO. DF 2-10
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION
3600' SE OF LOCATION.
ELEV. 862'

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) Paul Dean
 R.P.E. 1856 L.L.S. _____

PLACE SEAL HERE

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



DATE MAY 23 19 80
 OPERATOR'S WELL NO. J-300
 API WELL NO. 47-017-2813
 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 1205' WATER SHED WOLFFEN RUN
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5' #15 2C
 SURFACE OWNER PORTER S. SMITH ACREAGE 125
 OIL & GAS ROYALTY OWNER LOUIS N. WETZEL PORTER S. SMITH LEASE ACREAGE 125
 LEASE NO. K-503
 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 & J ENTERPRISES, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, W. VA. 26201 BUCKHANNON, W. VA. 26201

66 Swiger (97)

AUG 20 1980

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MAR 12 1981

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

OIL & GAS DIVISION DEPT. OF MINES WELL OPERATOR'S REPORT OF MINOR REPAIRS 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: 1205 Watershed: Solfpen Run District: West Union County: Doddridge Quadrangle: West Union 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett Address P.O. Box 48 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 8-5, 19 80 OIL & GAS INSPECTOR FOR THIS WORK: Name Steve Casey Address Rt. # 2, Box 232-D Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Benson Depth 5185-5201 feet Depth of completed well, 5379 feet Rotary X / Cable Tools Water strata depth: Fresh, 440 feet; salt, 0 feet. Coal seam depths: None Is coal being mined in the area? NO Work was commenced 1/18, 19, and completed 1/26, 19 81

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, Top, Bottom)

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5199-5201 feet Gas: Initial open flow, Mo/d Oil: Initial open flow, Bo/d Combined Final open flow, 852 Mo/d Final open flow, Bo/d Time of open flow between initial and final tests, 6 hours Static rock pressure, 1500 psig (surface measurement, after 96 hours shut in) Second producing formation Weir Pay zone depth 2476-2549 feet Gas: Initial open flow, Mo/d Oil: Initial open flow, Bo/d Final open flow, Mo/d Final open flow, Bo/d Time of open flow between initial and final tests, hours Static rock pressure, psig (surface measurement after hours shut in)

Continued on reverse side

MAR 23 1981

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

Benson: Perforations: 5199-5201 (8 Holes)

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

Weir: Perforations 2476-2549 (14 holes)

Fracturing: 150 sks. 80/100 sand: 280 sks. 20/40 sand: 500 gal. Acid.
500 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all Green and salt water, coal, oil and gas
Clay, Shale & red rock			0	30	
Sand, sandy shale & red rock			30	440	Damp @ 65'
Sand & shale			440	840	
Sand, shale & red rock			840	920	3/4" stream @ 440
Sand, shale & red rock			920	1150	
Sand			1150	1180	Wet @ 2040
Shale & red rock			1180	1280	
Sand & shale			1280	1750	Gas ck @ 5162 10/10-1 1/2" w/water
Sand & shale			1750	2080	53,582 cu.ft.
Lime & shale			2080	2105	
Shale			2105	2125	
Big Lime			2125	2198	Gas ck @ collars 10/10-1 1/2" w/water
Sand & shale			2198	2476	53,582 cu.ft.
Weir			2476	2549	
Sand & shale			2549	3165	
Sand & shale			3165	3220	
Sand & shale			3220	3300	
Sand & shale			3300	3995	
Sand & shale			3995	4335	
Sand & shale			4335	4550	
Sand & shale			4550	5185	
Benson			5185	5201	
Sand & shale			5201	5379 TD	

(Attach separate sheets as complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

Peter Battles

Its

Peter Battles Geologist

NOTE: Regulation 2.0214 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."

Date: August 4, 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-300
API Well No. 47 - 017 2813
State County Per

WELL TYPE: Oil ___ / Gas x /
(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow x /)
LOCATION: Elevation: 1205 Watershed: Solfpen Run
District: West Union County: Doddridge Quadrangle: West Union 7.5'

WELL OPERATOR J & J Enterprises, Inc.
Address Box 48
Buckhannon, WV 26201

DESIGNATED AGENT H.L. Barnett
Address Box 48
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER S. Porter Smith
Address 286 N. Grafton St.
Romney, WV 26757

COAL OPERATOR None
Address:

SURFACE OWNER S. Porter Smith
Address 286 N. Grafton St.
Romney, WV 26757
Acreage 125

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name S. Porter Smith
Address 286 N. Grafton St.
Romney, WV 26757

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

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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. 4, 1978, to the undersigned well operator from S. Porter Smith
[If said deed, lease, or other contract has been recorded:]

Recorded on May 1, 1979, in the office of the Clerk of the County Commission of Dodd County, West Virginia, in Oil & Gas lease Book 108 at page 421. 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 operation 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 plan 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:

VIRGINIA OIL AND GAS CONSERVATION COMMISSION
WASHINGTON STREET EAST
CHARLESTON, WV 25311

PHONE: (304) 345-3092

BLANKET BOND

J & J Enterprises, Inc.
Well Operator

By Peter Battles
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 P.O. Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Benson

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

Approximate water strata depths: Fresh, 420 feet; salt, 1225 feet.

Approximate coal seam depths: None 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	1 1/4	H-40	42	x		30	30	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1300	1300	350 sks.	
Coal	8 5/8	ERW	23	x		1300	1300	350 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5250	5250	400 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.

A separate Form IV-2 shall not be required for fracturing or stimulating a well. THIS PERMIT MUST BE POSTED AT THE WELL SITE. 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 4-7-81

[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: , 19

By

Its