



FILE NO. M 284
 DRAWING NO. 1
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. 912 INT RT. 23 & RT 3572D

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) Neal Hughes
 R.P.E. _____ L.L.S. 632

PLACE SEAL HERE

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



DATE Aug 17, 19 79
 OPERATOR'S WELL NO D-264-21
 API WELL NO. 47-017-2479
 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 1310 WATER SHED ROBINSON FORK
 DISTRICT MC CLELLAN COUNTY DODDRIDGE
 QUADRANGLE SALEM (7 1/2') CENTER POINT 15' SE
 SURFACE OWNER STANLEY CORK ACREAGE 51 AC
 OIL & GAS ROYALTY OWNER Leora Wilson & Thea Wilson his wife LEASE ACREAGE 51
 LEASE NO. D-264-21
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BEYONDER ESTIMATED DEPTH 530 SEP 7 1979
 WELL OPERATOR J&J ENTERPRISES DESIGNATED AGENT HARRY BARNETT
 ADDRESS Box 4-B ADDRESS Box 4-B
 G = Buckhannon WV 26201 Buckhannon WV 26201

6-6 SALEM 102

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

Date September 19

FORM IV-35
(Obverse)

Operator's
Well No. M-284-#1

[08-78]

WELL OPERATOR'S REPORT
OF

API Well No. 017 - 2479

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: 1310 Watershed: Robinson Fork
District: McClellan County: Doddridge Quadrangle: Salem 7 1/2

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

PERMITTED WORK: Drill / Convert / Drill deeper / Re-drill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON August 24, 19 79

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Paul Garrett
Address 321 Beech Street
Clarksburg, W. Va. 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5780 feet

Depth of completed well, 5962 feet Rotary / Cable Tools

Water strata depth: Fresh, 205 feet; salt, _____ feet.

Coal seam depths: 590-591; 1120-1125 Is coal being mined in the area? NO

Work was commenced August 28, 19 79, and completed September 8, 19 79

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	Minds None
Fresh water	8 5/8	ERW	23	X		1665'	1665'	400 sks	
Coal	8 5/8	ERW	23	X		1665'	1665'	400 sks	Lines
Intermediate									
Production	4 1/2	J-55	9.5	X		5809'	5809'	140 sks	Bottom set
Tubing									
Liners									Perforations
									Bottom
								5409	5415
								5723	5727

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5723-5727 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

[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 5409-5415 feet

Combined Gas: Initial open flow, 40 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, 96 hours

OCT 9 1979

Combined Static rock pressure, 1390 psig (surface measurement) after 41 hours shut in

[08-78]

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

Benson - Perforation: 5409'-5415', 13 holes, 39", Fracturing: 9/12/79
500 gal. Acid, 609 Bbls. water, 15,000 lbs. 80/100 Mesh Sand,
30,000 lbs. 20/40 Mesh Sand.

Alexander - Perforation: 5723'-5727', 13 holes, 39". Fracturing: 9/12/79
500 gal. Acid, 532 Bbls. water, 10,000 lbs. 80/100 Mesh Sand,
30,000 lbs. 20/40 Mesh Sand.

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	5	
Sand & Shale			5	140	
Shale & Red Rock			140	235	1 1/2" Stream water 205'
Sand			235	290	
Shale & Red Rock			290	450	
Sand			450	485	
Red Rock & Shale			485	590	
Coal			590	591	Coal
Shale & Sand			591	726	
White Sand			726	820	
Sand & Shale			820	915	
Sand			915	975	
Shale			975	1120	
Coal			1120	1125	Coal
Sand & Shale			1125	1365	
Red Rock & Shale			1365	1440	
Sandy Shale			1440	1665	
Sand			1665	1715	
Sand & Shale			1715	2085	
Sand			2085	2160	
Sand & Shale			2160	2380	
Big Lime			2380	2500	
Sand & Shale			2500	2800	Hole Damp 2750'
Sand			2800	3085	Hole wet 2800'
Fifth Sand			3085	3110	
Sand & Shale			3110	3390	
Shale			3390	3515	
Sand & Shale			3515	4025	
Sand			4025	4265	
Sand & Shale			4265	4610	
Shale			4610	4815	
Sand & Shale			4815	5420	
Benson Sand			5420	5425	
Sand & Shale			5425	5780	
Alexander Sand			5780	5855	
Sand & Shale			5855	5962	Check gas 3/10-1 1/2" with water
			TD	5962	

(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. M-284-#1

API Well No. 47 - 017 - 2479
State County Permit

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

LOCATION: Elevation: 1310 Watershed: Robinson Fork
District: McClellan County: Doddridge Quadrangle: Salem 7 1/2

WELL OPERATOR J & J Enterprises, Inc.
Address P.O. Box 48
Buckhannon, W.Va. 26201

DESIGNATED AGENT Harry Barnett
Address P.O. Box 48
Buckhannon, W.Va. 26201

OIL & GAS ROYALTY OWNER Leon Wilson & Thelma Wilson, his wife
Address 700 Stealey Ave.
Clarksburg, W.Va. 26301

COAL OPERATOR None
Address _____

ACREAGE 51
SURFACE OWNER Stanley Cork
Address Rt. 2,
Salem, W.Va.
ACREAGE 51

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Willis G. Tetrick, Jr. et al
Address P.O. Box 267
Clarksburg, W.Va.
Name Catherine Tetrick Sutton
Address Rt. 1, Box 27
Clarksburg, W.Va.

FIELD SALE (IF MADE) TO:
Name _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Garrett
Address _____
Clarksburg, W.Va. 26301

RECEIVED
AUG 24 1979

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 August 7, 1979, to the undersigned well operator from Leon & Thelma Wilson

[If said deed, lease, or other contract has been recorded:]
Recorded on August 7, 1978, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Lease 107 at page 395. 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 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 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
1618 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

J & J Enterprises, Inc.
Well Operator
By Peter Battles
Its 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 P.O. Box 48

Buckhannon, W.Va. 26201

GEOLOGICAL TARGET FORMATION, Alexander

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

Approximate water strata depths: Fresh, 100 feet; salt, 1100 feet.

Approximate coal seam depths: 80-83 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	11 3/4	H-40	42	X		32'	32'	25	Kinds
Fresh water	8 5/8	ERW	23	X		1200'	1200'	130	
Coal	8 5/8	ERW	23			1200'	1200'	130	Sizes
Intermediate									
Production	4 1/2	J-55	9.5	X		5250'	5250'	400	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 drilling 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 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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 4-27-80.

[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 X / 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: August 22, 1974

Consolidation Coal Company
By Harold W. Bove
Its Deputy Mining Engineer