

1.57  
9.88  
4.45

05

MORRIS AMERICA  
31.25 AC  
4.45  
4.385  
1.57W

39 / 8040  
30 5145

New Location <input checked="" type="checkbox"/>	Minimum Error of Closure ... 1 PART (BU) 200
Drill Deeper <input type="checkbox"/>	Source of Elevation ... J. & J. ENTERPRISES, INC. WELL *K-8-1
Abandonment <input type="checkbox"/>	ELEV. = 1210'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company	J. & J. ENTERPRISES, INC.
Address	P.O. BOX 48 BUCKHANNON, W. VA. 26201
Farm	RAY C. HUDKINS
Tract	Acres 100 Lease No. K-931
Well (Farm) No.	J-264 Serial No.
Elevation (Spirit Level)	1210'
Quadrangle	WEST UNION 7.5' 13' 30
County	DODDRIDGE District CENTRAL
Engineer	Daniel R. Wheeler L.S.
Engineer's Registration No.	530
File No.	19/59 Drawing No.
Date	3/26/80 Scale 1" = 1,000'

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

WELL LOCATION MAP  
FILE NO. 47-017-2656

↑ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

6-4 Greenwood (89)

MAY 6 1980

Date: 5-14, 19 80

Operator's Well No. J-264

API Well No. 017 - 2656  
State County Permit

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

WELL OPERATOR'S REPORT  
OF

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: 1210 Watershed: Clay Lick Run  
District: Central County: Doddridge Quadrangle: West Union

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett  
Address Box 48 Address Box 48  
Buckhannon, WV 26201 Buckhannon, WV 262

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 4-1, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett  
Address 321 Beech St.  
Clarksburg, WV 263

GEOLOGICAL TARGET FORMATION: Alexander Depth 5366 feet  
Depth of completed well, 5697 feet Rotary  / Cable Tools   
Water strata depth: Fresh 75-720 feet; salt, 0 feet.  
Coal seam depths: 650-653 Is coal being mined in the area? No  
Work was commenced 4-10, 19 80, and completed 4-15, 19 80

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	113/4H-40	42	X			30	0	0 sks	Blinds
Fresh water	8 5/8ERW	42	X			1847.20	1847.20	370 sks.	
Coal	8 5/8ERW					1847.20	1847.20	370 sks.	Sizes
Intermediate									
Production	4 1/2 J-55					5512.75	5512.75	400 sks	Depth set
Tubing									
Liners									Perforations:
									Top Bottom
									5428 5458
									4068 4139
									3593 3597

RECEIVED  
MAY 15 1980

OPEN FLOW DATA

OIL & GAS DIVISION  
DEPT. OF MINES

Producing formation Alexander Pay zone depth 5366-5450 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Combined Final open flow, 292 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, 4 hours

Static rock pressure, 1425 psig (surface measurement) after 60 hours shut in  
[If applicable due to multiple completion--]

Second producing formation Benson, Riley, Balltown & Warren Pay zone depth 4524-4738 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 on reverse side)

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

Alexander - Perforating 5420-50 (14 holes)  
 Fracturing - 200 lbs Acid: 200 sks, 80/100 sand. 300 sks 20/  
 sand, 500 Bbls fluid

Benson & Riley - Perforating- 4524-3738 (7 holes) 5135-37 (6 holes)  
 Fracturing - 800 gal Acid, 150 sks. 80/100 sand, 300 sk  
 sand, 510 Bbls. fluid.

Balltown & Warren -Perforating: 4068-4139 (5 holes)  
 Fracturing - 750 gal acid: 150 sks 80/100 sand:300 sk  
 20/40 sand: 500 Bbls fluid.

WELL LOG

FORMATION	Color	Hard or Soft	12 Top Feet	Bottom Feet	Remarks Including indication of oil, gas and salt water, coal, etc. and gas
Clay			0	5	
Shale			5	15	
Red Rock			15	20	
Shale			20	30	
Red Rock			30	35	
Sand & Shale			35	111	
Sand			111	141	Wet @ 75"
Sand, Shale & Red Rock			141	650	
Coal			650	653	
Sand Shale & Red Rock			653	720	
White Sand			720	780	Damp @ 720
Shale			780	785	
Sand & Shale			785	805	
Shale & Red Rock			805	890	
Red Rock			890	1050	
Red Rock			1050	1150	
Red Rock & Shale			1150	1190	
White Sand			1190	1230	
Sand & Shale			1230	1338	
Sand			1338	1371	
Sand & Shale			1371	1436	
Sand			1436	1468	
Sand & Shale			1468	1570	
Sand			1570	1635	
Sand & Shale			1635	2085	
Sand			2085	2150	Damp @ 2100
Lime, Sand & Shale			2150	2170	
Big Lime			2170	2247	
Big Injun			2247	2308	
Shale			2308	2482	
Weir			2482	2606	
Sand & Shale			2606	3542	
Warren			3542	3642	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.  
 Well Operator

By Daniel Stark  
 Daniel Stark  
 Geologist

NOTE: Regulation 8.001 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."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fossils and salt water, coal, oil and gas
Sand & Shale			3642	4056	
Balltown			4056	4152	
Sand & Shale			4152	4510	
1st. Riley			4510	4518	
Shale			4518	4608	
2nd. Riley			4608	4638	
Shale			4638	4726	
3rd. Riley			4726	4750	
Sand & Shale			4750	5135	
Benson			5135	5137	
Sand & Shale			5137	5366	Gas @ 5249 2/10 thru 1/2" w/wat
Alexander			5366	5450	
Shale			5450	5697	Gas @ 5568 4/10 thru 1/2" w/wat
					T.D. 5697

JUN 16 1980

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-264 API Well No. 47 - 017 State County Permit 2656

WELL TYPE: Oil / Gas X (If "Gas", Production X / Underground storage / Deep / Shallow X /) LOCATION: Elevation: 1210 Watershed: Claylick Run District: Central County: Doddridge Quadrangle: West Union

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 Harry Ash C/O Ray Hudkins/Gussie Ellifrett Address Greenwood, WV 26360

COAL OPERATOR None Address

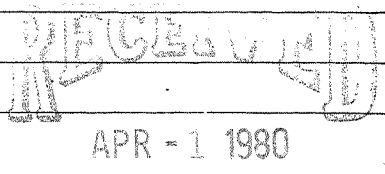
ACREAGE 100 SURFACE OWNER Ray Hudkins/Gussie Ellifrett Address Greenwood, Wv 26360 Acreage 100

COAL OWNER(S) WITH DECLARATION ON RECORD; Name Ray Hudkins/Gussie Ellifrett Address Greenwood, WV 26360

FIELD SALE (IF MADE) TO: Name Address

COAL LESSEE WITH DECLARATION ON RECORD; Name None Address

OIL & 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 this location under a deed / lease X / other contract / dated 8-15 1979, to the undersigned well operator from Gussie Ellifrett

If said deed, lease, or other contract has been recorded: recorded on 8-21 1979, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Oil & Gas Book 110 at page 275. 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)

The above named well operator, coal owner(s), and coal lessee are hereby notified that any application they wish to take or are required to make by Code § 22-1-3 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 GEOLOGICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 400 WASHINGTON STREET EAST CHARLESTON, WV 25301 TELEPHONE: (304) 345-3093

BLANKET BOND

J & J Enterprises, Inc. Well Operator By Peter Battles 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
Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5770 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 475 feet; salt, 1745 feet.

Approximate coal seam depths: 955-59 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 per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, 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 § 22-4-14a 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 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 12-3-80

[Signature]

District Director, Oil & Gas Division... who has received 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.