



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure 1 PART IN 200  
 Source of Elevation J. & J. ENTERPRISES, INC. WELL - K-8\*1  
ELEV - 1200'  
 "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 43 BUCKHARTWOOD, W. VA. 26201  
 Farm RAY C. HUDKINS  
 Tract \_\_\_\_\_ Acres 100 Lease No. K-931  
 Well (Farm) No. J-262 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1180'  
 Quadrangle WEST UNION 7.5' 418 SC  
 County DODDRIDGE District CENTRAL  
 Engineer Daniel L. Wheeler  
 Engineer's Registration No. 530 LLS  
 File No. 19/52 Drawing No. \_\_\_\_\_  
 Date 4/1/80 Scale 1" = 1000'

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

**WELL LOCATION MAP**  
 FILE NO. 47-017-2625

+ 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.

Columbia

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

Date 5-12, 1980

Operator's Well No. J-262

FORM IV-35  
(Obverse)

[08-78]

WELL OPERATOR'S REPORT

API Well No. 47 - 017 - 2675  
State County Per

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: 1180 Watershed: Leason Run  
District: Central County: Doddridge Quadrangle: West Union 7.5'

WELL 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 or stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON 4-8, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED \_\_\_\_\_, 19\_\_\_\_)

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

GEOLOGICAL TARGET FORMATION: Alexander Depth 5340-5422 feet

Depth of completed well, 5641 feet Rotary  / Cable Tools

Water strata depth: Fresh, 81,2070 feet; salt, \_\_\_\_\_ feet.

Coal seam depths: None Is coal being mined in the area? no

Work was commenced 4-17, 1980, and completed 4-24, 1980

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	113/4H-40	42	x			0	0	Minds
Fresh water	8 5/8 BERW	23	x			1637.60	1637.60	370 sks.
Coal	8 5/8 BERW	23	x			1637.60	1637.60	Sizes
Intermediate								
Production	4 1/2 J-55	10.5	x			5458.85	5458.85	460 sks
Tubing								Depths set
Liners								Perforations:
								Top Bottom
								5384 5396
								4118 4122
								3564 3534

MAY 15 1980

OPEN FLOW DATA

OIL & GAS DIVISION  
DEPT. OF MINES

Producing formation Alexander Pay zone depth 5384-96 feet

Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Combined Final open flow, 215 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests, 8 hours

Static rock pressure, 800 psig (surface measurement) after 15 hours shut in

[If applicable due to multiple completion--]

Second producing formation Balltown, & Warren Pay zone depth 4118-22 Balltown, 3534-64 Warren 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

JUN 16 1980

[08-78]

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

Alexander: Perforating - 5384-5396 (14 holes)  
Fracturing: 200 lbs. Acid.: 450 sks. 80/100 sand: 1000 sks 20/4  
sand: 591 Bbls fluid

Balltown & Warren: 4118-4122 (14 holes) 3564-3534 (14 holes)  
Perforating:

Fracturing : 300 sks 80/100 sand: 700 sks. 20/40 sand: 1100 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 & Shale			0	5	
Sand & Shale			5	60	
Sand			60	70	
Red Rock			70	85	
Shale			85	111	
Sand			111	150	
Sand & Shale			150	205	
Red Rock			205	245	
Sand			245	264	
Red Rock			264	292	
Sand			292	340	
Shale & Red Rock			340	360	
Sand			360	445	
White Sand			445	505	
Lime Stone & Sand			505	576	
Sand & Shale			576	607	
White Sand			607	625	
Sand & Shale			625	650	
Sand			650	670	
Sand, Shale & Red Rock			670	705	
Shale & Red Rock			705	740	
Sand			740	755	
Sand, Shale & Red Rock			755	770	
Sand			770	830	
Sand & Shale			830	895	
Sand			895	925	
Shale			925	1000	
Sand			1000	1020	
Red Rock & Shale			1020	1160	
Sand & Shale			1160	1230	
Red Rock & Shale			1230	1285	
Sand & Shale			1285	1315	
Shale			1315	1337	
White Sand			1337	1605	
Sand & Shale			1605	1650	
Sand			1650	1780	
Sand & Shale			1780	1850	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

*Daniel Stark*

Its

Daniel Stark  
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."

FORMATION	Color	Hard or Soft	13 Top Feet	Bottom Feet	Remarks Including indication of gas, oil, water, and salt water, sand, etc.
Sand			1850	1915	
Sand & Shale			1915	2050	
Sand			2050	2070	
Sand & Shale			2070	2110	
Lime & Shale			2110	2150	
Big Lime			2150	2210	
Big Injun			2210	2282	
Shale			2282	2457	
Weir			2457	2580	
Sand & Shale			2580	3510	
Warren			3510	3590	
Sand & Shale			3590	4108	Gas @ 3615 85/10 thru 2" w/ water
Balltown			4108	4144	
Sand & Shale			4144	5096	Gas @ 4645 105/10 thru 2" w/water
Benson			5096	5102	
Sand & Shale			5102	5340	
Alexander			5340	5422	
Shale			5422	5641	T.D. 5641

JUN 16 1900

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-262

API Well No. 47 - 017 - 2675  
State County Permit

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

LOCATION: Elevation: 1180 Watershed: Leason Run  
District: Central 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

ROYALTY OWNER Ray Hudkins/Harry & Sarah Ash  
Address Rt. 1, Box 36  
Greenwood, WV 26360

COAL OPERATOR None  
Address

ACREAGE 100  
SURFACE OWNER Ray Hudkins/Gussie Ellifrett  
Address Greenwood  
West Va. 26360  
Acres

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Ray Hudkins/Gussie Ellifrett  
Address Greenwood  
West Va. 26360  
Name  
Address

FIELD SALE (IF MADE) TO:  
Name  
Address

COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address  
APR 6 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 X / other contract / dated 5-25, 19 71, to the undersigned well operator from Ray Hudkins

If said deed, lease, or other contract has been recorded:  
Recorded on 6-7, by 71, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Deed Book 95 at page 184. A permit is requested for

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X /  
Plug off old formation / Perforate new formation /  
Other physical change in well (specify)

It is hereby declared that the work order on the reverse side hereof.

It is hereby declared that the owner(s), coal owner(s), and coal lessee are hereby notified that the permit application and the declaration on record must be filed with the Department of Mines, Oil and Gas Division after the receipt of this Application by the Department.

It is hereby declared that the owner(s) and the coal lessee are hereby notified that the permit application and the declaration on record must be filed with the Department of Mines, Oil and Gas Division after the receipt of this Application by the Department.

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL AND GAS  
DIVISION  
1000 BANKERS BUILDING  
CHARLESTON, WEST VIRGINIA 25301

MARKET BOND

J & J Enterprises, Inc.

By Peter Battles

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-25 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Co.
Address Box 48
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5700 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, 450 feet; salt, 1750 feet.
Approximate coal seam depths: None Is coal being mined in the area? Yes No

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, Sizes, Depths set, Perforations: Top, Bottom)

NOTE: Regulation 1.01 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 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 12-9-80

Deputy Director - Oil & Gas Division

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