

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure 1 PART IN 200  
 Source of Elevation ROCKWELL PETROLEUM CO. WELL #1  
 ELEV. - 868'

"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 JACK WEBER  
 Tract \_\_\_\_\_ Acres 544 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. J-241  
 Elevation (Spirit Level) 1191'  
 Quadrangle NEW MILTON 7.5' VAD 15' NW  
 County DODD/RIDGE District NEW MILTON  
 Engineer Amel B. Wheeler L.L.S.  
 Engineer's Registration No. 530  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 3/27/80 Scale 1" = 500' 6-4

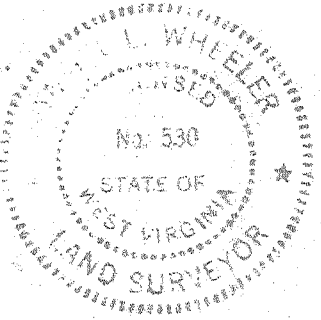
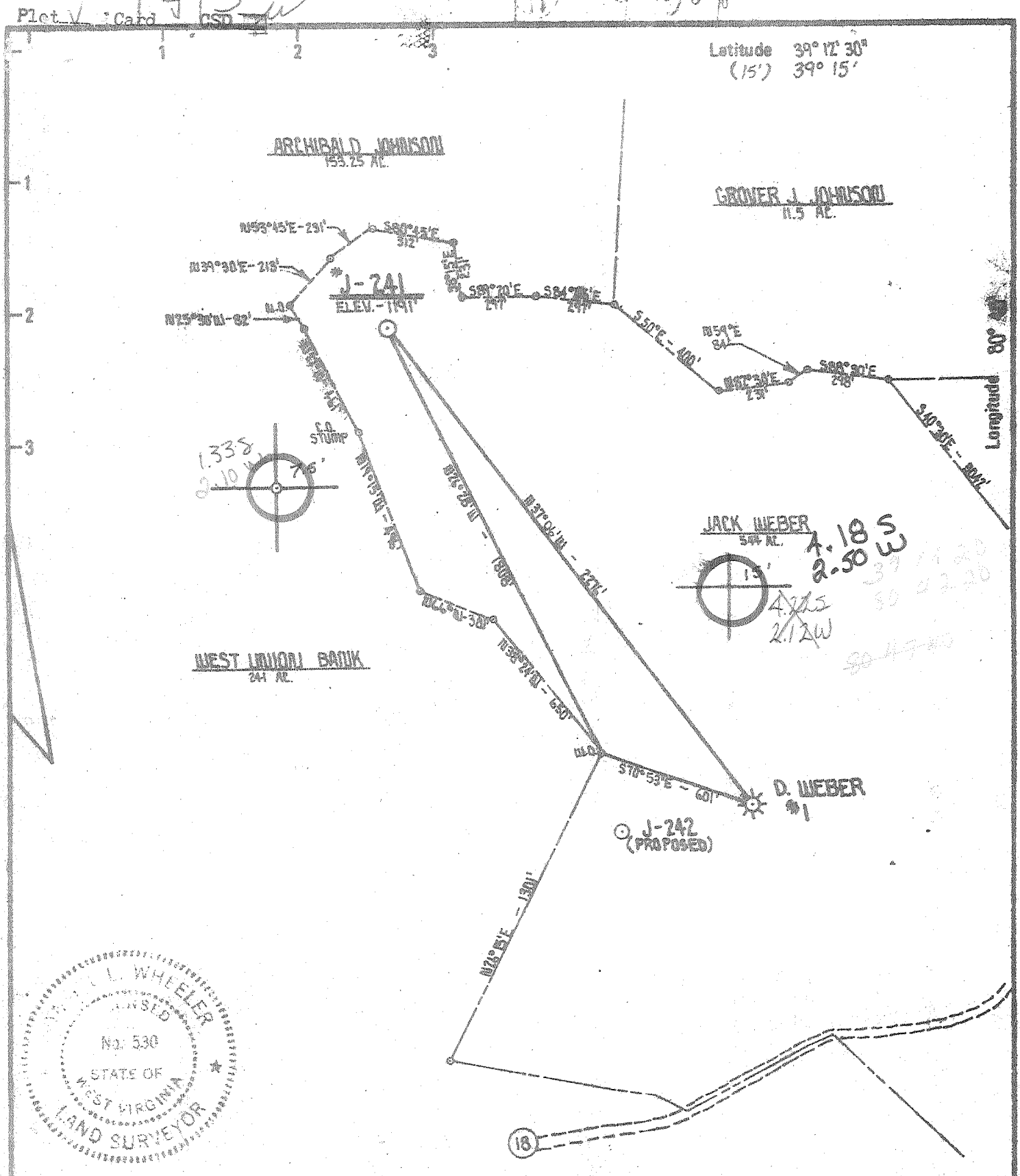
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. 017-2740-P

+ 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.

AUG 11 1980  
 PORTO RICO ALEXANDER 5700



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure ..... 1. PART. IN. 200  
 Source of Elevation ROCKWELL PETROLEUM CO. WELL #1  
 ELEV. - 868'  
 "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 BUCKHARTWOOD, W. VA. 26201  
 Farm JACK WEBER  
 Tract \_\_\_\_\_ Acres 544 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. J-741  
 Elevation (Spirit Level) 1191'  
 Quadrangle NEW MILTON 75' VADIS 15' NW  
 County MORGAN District NEW MILTON  
 Engineer L. Wheeler L.S.  
 Engineer's Registration No. 530  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 3/27/80 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. 017-2740

+ 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.

ALEXANDER 5700'

6-0 New Milton North (144)

JUN 17 1980

[08-78]

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING 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: 1191 Watershed: Center Camp Run  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

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

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



SEP 18 1980

PERMIT ISSUED ON April 29, 19 80

OIL & GAS INSPECTOR FOR THIS WORK & GAS DIVISION  
Name Paul Garrett DEPT. OF MINES

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

Address 321 Beech St.  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5523-5595 feet

Depth of completed well, 5695 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, 319 feet; salt, None feet.  
Coal seam depths: 362-70, 914-918 Is coal being mined in the area? \_\_\_  
Work was commenced 7-22, 19 80, and completed 7-29, 19 80

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			Left in well
Conductor	13/4	H-40	42	X		0	0	0 sks.	Kinds
Fresh water	5/8	ERW	23	X		1600	1600	380 sks.	
Coal	5/8	ERW	23	X		1600	1600	380 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5630	5630	635 sks.	Depth set
Tubing									
Packers									Perforations:
									Top Bottom
									5502 5510
									5209 5492
									3668 4024
									3646 3592

PERMITS FLOW DATA

Producing formation Alexander Pay zone depth 5502-5510 feet  
Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Ebl/d  
Combined Final open flow, 189 Mcf/d Final open flow, \_\_\_ Ebl/d  
Time of open flow between initial and final tests, 4 hours  
Static rock pressure, 1650 psig (surface measurement) after 72 hours shut in.

[If applicable due to multiple completion--] 5209-5492  
Second producing formation Benson & Warren & Balltown Pay zone depth 3592-4024 feet  
Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Ebl/d  
Final open flow, \_\_\_ Mcf/d Final open flow, \_\_\_ Ebl/d  
Time of open flow between initial and final tests, \_\_\_ hours  
Static rock pressure, \_\_\_ psig (surface measurement) after \_\_\_ hours shut in.

OCT 9 1980

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

Alexander: Perforations: 5502-5510 (9holes)

Fracturing: 300 lbs. Citric Acid: 600 sks. 20/40 sand: 600 Bbls. fluid.

Benson: Perforations: 5492-5209 (18 holes)

Fracturing: 500 gal. Acid: 150 sks. 80/100 sand: 300 sks. 20/40 sand: 500 Bbls. fluid.

Balltown & Warren: Perforations: 4024-3592 (14 holes)

Fracturing: 700 gal. Acid: 150 sks. 80/100 sand: 300 sks 20/40 sand: 500 Bbls fluid.

WELL LOG

FORMATION	Color	Hard or Soft	4 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	5	
Sand & Shale			5	15	
Red Rock			15	25	
Sand & Shale			25	100	
Sand			362	370	1/2" stream @ 319
Coal			370	438	
Sand			438	470	
Shale & Red Rock			470	502	
Sand & Shale			502	512	
Sand, Shale & Red Rock	Rock		512	521	
Sand			521	527	
Red Rock			535	545	
Sand & Shale			545	550	
Sand			550	574	
Sand, Shale & Red Rock	Rock		574	664	
Sand & Shale			664	720	
Sand			720	800	
Sand & Shale			800	914	
Coal			914	918	
Sand & Shale			918	1358	
Sand			1358	1412	
Sand & Shale			1412	1436	
Sand			1436	1446	
Sand & Shale			1446	1700	
Sand			1700	1789	
Sand & Shale			1789	2190	
Shale & sand			2190	2213	
Lime & shale			2213	2222	
Shale			2222	2250	
Big Lime			2250	2295	
Big Injun			2295	2387	Gas ck @ 3874 2/10 thru 1/2" w/water
Warren			2387	2439	Gas ck @ 4958 4/10 thru 1/2" w/water
Balltown			2439	3592	Gas ck @ 5278 24/10 thru 1/2" w/water
Light brown sand			3592	3983	Gas ck @ 5566 9/10 thru 1/2" w/water
Benson			3983	5209	Gas ck @ T.D. 1/10 thru 1/2" w/water
Sand & shale			5209	5492	
Sand			5492	5502	
Alexander			5502	5595	
Sand & shale			5595	5695	T.D.

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By

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."

**RECEIVED**

JUL 29 1980

Date: July 23, 19 80  
Operator's Well No. J-241  
API Well No. 017-2740  
State County Permit

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

OIL & GAS DIVISION  
DEPT. OF MINES

WELL OPERATOR'S REPORT  
OF  
OPERATIONAL TESTS AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  Gas  Liquid Injection  Waste Disposal   
(If "Gas", Production  Underground storage  Deep  Shallow   
LOCATION: Elevation: 1191 Watershed: Center Camp Run  
District: New Milton County: Doddridge Quadrangle: New Milton 7.5'

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett  
Address P.O. Box 48 Address P.O. 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 April 29, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:  
Name Paul Garrett  
Address 321 Beech St.  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth \_\_\_\_\_ feet  
Depth of completed well, 1690 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh, 895 feet; salt, None feet.  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? NO  
Work was commenced 7-18, 19 80, and completed 7-22, 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		
Conductor	13/4H-40	42	X			30	0	0 sks. Rinds
Fresh water	85/8	ERW	23	X		41	41	200 sks.
Coal								Sizes
Intermediate								
Production								Testing set
Tubing								
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation None Pay zone depth \_\_\_\_\_ 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 \_\_\_\_\_ Pay zone depth \_\_\_\_\_ 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

AUG 11 1980

08-781

DETAILS OF PERFORATED INTERVALS, FRACTURING, CEMENT PLACING, PHYSICAL DAMAGE, ETC.

Well Log

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of gas, fresh, and salt water, coal, etc.
Clay			0	5	
Shale & Sand			5	13	
Red Rock			13	17	
Shale & Sand			17	25	
Sand			25	35	
Shale			35	47	
Sand			47	110	
Sand & Shale			110	121	
Sand			121	133	
Sand & Shale			133	153	
Red Rock & Shale			153	160	
Sand & shale			160	253	
Red Rock			293	300	
Sand & Shale			300	322	Hole wet @ 319 1/4" stream
Sand & Shale			322	362	
Coal			362	370	
Sand & Shale			370	382	
Sand			382	413	
Shale & Red Rock			413	453	
Sand, Shale & Red Rock			453	730	Damp @ 730
Sand			730	760	1/2" stream @ 895'
Sand & Shale			760	914	
Coal			914	918	
Sand & Shale			918	1013	
Shale & Red Rock			1013	1043	
Sand & Shale			1043	1160	
Sand			1160	1165	
Sand & Shale			1165	1176	Hole caved in.
Shale & Red Rock			1176	1181	Left in hole-
Sand & Shale			1181	1360	1 bit & bit sub
Sand			1360	1531	1 drill collar
Sand & Shale			1531	1610	1 jt. 8 5/8" csg
Shale & Red Rock			1610	1659	Plug & Abandon - Skid rig 20'
Sand & Shale			1659	1690	

(Attach separate sheets complete as necessary.)

J & J Enterprises, Inc.

Well Operator

By

*Peter Battles*

Its

Peter Battles Geologist

NOTE: Regulation 8.024 provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologic 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-241  
API Well No. 47 - 017 2740  
State County Perm

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

LOCATION: Elevation: 1191 Watershed: Center Camp Run  
District: New Milton County: Doddridge Quadrangle: New Milton 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 Jack Weber  
Address Rt. 2  
West Union, WV 26456

COAL OPERATOR None  
Address

ACREAGE 162 Ac.  
SURFACE OWNER Leonald & Ecile Wiseman  
Address Rt. # 1, Box 72  
New Milton, WV 26411  
ACREAGE 162 Ac.

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Eastern Associated Coal Assoc  
Address Koppers Building  
Pittsburg, Pa. 15219  
Name  
Address

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 321 Beech St.  
Clarksburg, WV 26301

RECEIVED  
APR 29 1980

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 / dated 3-26 1974, to the undersigned well operator from Jack Weber

[If said deed, lease, or other contract has been recorded:]

Recorded on 3-26 1974 in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Lease Book 88 at page 462. A permit is requested as follows:

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

--planned as shown on the work order on the reverse side hereof.

The above named well operator, coal owner(s), and coal lessee are hereby notified that any additional they wish to make and 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 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  
1601 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 345-3090

BLANKET BOND

J & J Enterprises, Inc.  
Well Operator  
By 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 Company

Address Box 48  
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5700 feet Rotary  / Cable tools

Approximate water strata depths: Fresh, 1800 feet; salt, 1780 feet.

Approximate coal seam depths: 0 Is coal being mined in the area: Yes  No

DRILLING AND TUBING PROGRAM

DRILLING 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		Kinds	Depths
Conductor	11 3/4	H-40	42	X		30	30	0 sks		None
Fresh water	8 5/8	ERW	23	X		1800	1800	350 sks		
Coal	8 5/8	ERW	23	X		1800	1800	350 sks	Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		5680	5680	400 sks		Depths set
Tubing										
Packers										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 where such operations are a 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 1-13-81.

*Robert R. [Signature]*

Deputy Director - Oil & Gas Division

This permit shall be posted 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 posted within fifteen (15) days of receipt thereof:

**W A I T E R**

The undersigned coal operator / owner / lessee / of the coal under this well has examined this proposed well location. If a mine map exists which covers the area of the 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.

By \_\_\_\_\_  
Its \_\_\_\_\_