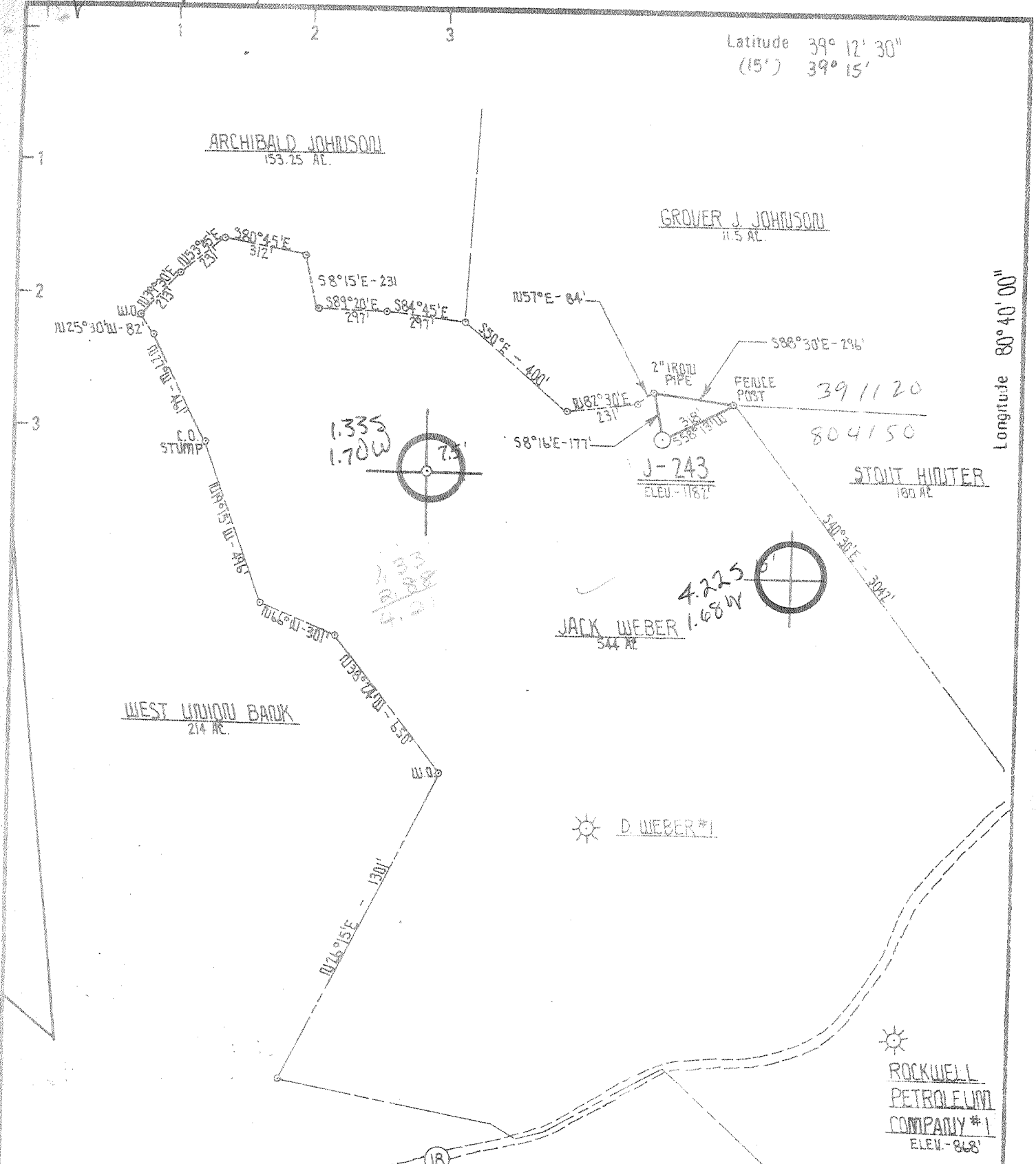


Latitude 39° 12' 30"
(15') 39° 15'

Longitude 80° 40' 00"



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-243
 Elevation (Spirit Level) 1182'
 Quadrangle NEW MILTON 7.5' NW 1/4 DIS 15'
 County DODDRIDGE District NEW MILTON
 Engineer Samuel P. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. _____ Drawing No. _____
 Date 4/15/80 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO 017-2703

+ 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.

6-6 PORTO RICO

134 JUN 4 1980

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

Date Sept. 2, 1980

FORM IV-35
(Reverse)

Operator's Well No. J-243

[08-78]

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

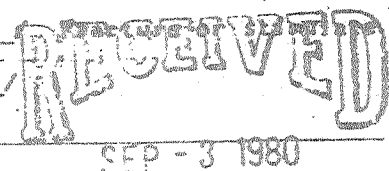
API Well No. 47-017-2703
State County Perm:

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

LOCATION: Elevation: 1182 Watershed: Tom's Fork
District: New Milton County: Doddridge Quadrangle: New Milton

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 /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____



PERMIT ISSUED ON April 18, 1980

OIL & GAS INSPECTOR FOR THE DEPT. OF MINES
Name Paul Garrett

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 5501-5575 feet

Depth of completed well, 5713 feet Rotary / Cable Tools

Water strata depth: Fresh, 85,705 feet; salt, None feet.

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

Work was commenced 7-26, 1980, and completed 8-1, 1980

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		
Conductor	113/4H-40		42	x		32	32	0 sks. Kinds
Fresh water	85/8	ERW	23	x		1608	1608	300 sks.
Coal	85/8	ERW	23	x		1608	1608	300 sks. Sizes
Intermediate								
Production	41/2	J-55	10.5	x		5678	5678	150 sks. Depth set
Tubing								
Packers								Perforations:
								Top Bottom
								5501 5509
								4518 4939

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5501-5575 feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

Combined Final open flow, 316 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 1625 psig (surface measurement) after 24 hours shut in.

[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 4518-4939 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.

SEP 16 1980

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

Alexander: Perforations: 5501-5509 (15 holes)
Fracturing: 300 lbs. Acid: 150 sks. 80/100 sand: 300 sks. 20/40 sand.
Benson : Perforations: 4518-4939 (12 holes)
Fracturing: 500 gal. Acid: 300 sks. 20/40 sand: 150 sks. 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
Fill			0	15	
Red rock & shale			15	20	
Sand & shale			20	30	
Red rock & shale			30	50	
Sand			50	60	Damp @ 68'
Red rock			60	70	
Red rock, sand & shale			70	79	
Red Rock			79	90	3/4" to 1" @85'
Sand			90	105	
Red Rock			105	120	
Sand & Shale			120	175	
Red Rock			175	205	
Shale & sand			205	210	
Red rock			210	235	
Red rock & shale			235	270	
Sand & shale			270	325	
Red rock & shale			325	390	
Sand & Shale			390	425	
Red rock & shale			425	725	
White sand			725	770	1" stream @ 705'
Sand & shale			770	800	
Sand			800	845	
Red rock			845	848	
Sand & shale			848	930	
Red rock			930	940	
Sand & shale			940	1020	
Red rock			1020	1035	
Sand & shale			1035	1070	
Red rock			1070	1095	
Sand & shale			1095	1120	
Red rock			1120	1135	
Sand & shale			1135	1175	
Red rock, sand & shale			1175	1230	
Red rock, sand & shale			1230	1310	
Red rock, sand & shale			1310	1405	
Red rock, sand & shale			1405	2305	
Big Lime			2305	2365	
Big Injun			2365	2430	

(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."

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand & shale			2430	4518	
Penson			4518	4939	Gas ck @ 2800 10/10 thru 1/2" w/water
Sand & shale			4939	4980	
Sand & shale			4980	5501	Gas ck. @ 5122 No show
Alexander			5501	5575	Gas ck @ 5246 No show
Shale			5575	5713	Gas ck @ 5619 No show

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-243

API Well No. 47 - 017 - 2703 State County Permit

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

LOCATION: Elevation: 1182 Watershed: Tom's Fork District: New Milton County: Doddridge Quadrangle: New Milton

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

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

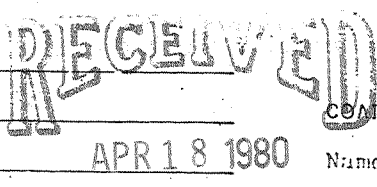
OIL & GAS ROYALTY OWNER Jack Weber Address Rt. # 2 West Union, WV 26456

COAL OPERATOR None Address

SURFACE OWNER Dave Droppleman Address Box 25 Troy, WV 26443 Acreage 35.24

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

FIELD SALE (IF MADE) TO:



Name Address

LESSEE WITH DECLARATION ON RECORD: Name Eastern Coal Associates

OIL & GAS INSPECTOR TO BE NOTIFIED Paul Garrett Address 321 Beech St. Clarksburg, WV 26301

Address Koppers Building Pittsburgh, Pa. 15219

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 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 Oil & Gas Lease Book 88 at page 462. 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 application they wish to make or are required to make by Code 5 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 plot 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 GEOLOGICAL LOGS DIRECTLY TO: WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 100 WASHINGTON STREET EAST CHARLESTON, WV 25311 TELEPHONE: (304) 348-3092

BLANKET BOND

J & J Enterprises, Inc. Well Operator By Peter Battles 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 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, 80 feet; salt, 1800 feet.

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

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		Kind	Depth
Conductor	113/4	H-40	42	x		30	30	0 sks.	None	
Fresh water	8 5/8	ERW	23	x		1900	1900	350 sks.		
Coal	8 5/8	ERW	23	x		1900	1900	350 sks.		
Intermediate										
Production	4 1/2	J-55	10.5	x		5650	5650	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 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 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 12-31-80.

[Signature]
Deputy Director - Oil & Gas Division

The undersigned hereby certifies that the coal operator and by any coal owner or coal lessee who has received 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 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

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