



Minimum Error of Closure 1 IN 200

Source of Elevation BM AT MARSHVILLE N1MI
EL=974

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.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: Walter P. Lepant
 Squares: N S E W

Map No.

Company DORAN + ASSOCIATES INC., WELDON C. DORAN
 Address PITTSBURGH, PA.
 Farm ERNEST DUNCAN, Sam Alawuat
 Tract _____ Acres 8 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1164 SW
 Quadrangle WOLF SUMMIT 7 1/2, CLARKSBURG 15'
 County HARRISON District TEN MILE
 Engineer WALTER P. LEPAINT
 Engineer's Registration No. 7410
 File No. _____ Drawing No. 19173
 Date 5-15-77 Scale 1"=500'

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

WELL LOCATION MAP

FILE NO. HAR-1156

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 to 24,000, latitude and longitude lines being represented by border lines as shown.

OCT 28 1977

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

47-033



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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FEB 24 1978

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Wolf Summit 7 1/2

Permit No. HAR-1156

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Doran & Associates, Inc.
Address 733 Washington Rd., Pgh., PA 15228
Farm Ernest Duncan Acres 81.5
Location (waters) New Creek Right Prong
Well No. 2 Elev. 1164
District Ten Mile County Harrison
The surface of tract is owned in fee by _____
Sam Alaquat
Address 455 Rosebud Avenue, Clarksburg
Mineral rights are owned by E. R. Duncan, et al
Address 103 Migs Avenue, Clarksburg
Drilling Commenced 12-14-77
Drilling Completed 12-20-77
Initial open flow Not taken cu. ft. _____ bbls.
Final production 211 cu. ft. per day 5 bbls.
Well open 8 hrs. before test 1100# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10 11 3/4	20'	20'	
9 5/8			
8 5/8	1197'	1197'	300 sks.
7			
5 1/2			
4 1/2	3845'	3845'	230 sks.
3			
2 1 1/2"	3535'	3535'	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforation Record:

Date	Interval Perforated:	From	To	Amt. Fluid	Amt. Sand	Avg. Rate
1-3-78		3517	3577	755 BFLS.	40,000#	36.0 BPM
1-3-78		3326	3322	525 BFLS.	26,000#	36.8 BPM

Coal was encountered at 298-302 Feet _____ Inches
Fresh water 185 Feet _____ Salt Water None Feet _____
Producing Sand Speechley, Balltown Depth 3517-3577, 3326-3332

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
	Clay		0	5		From Drillers' Log
	Sand & Shale		5	75		"
	White Sand		75	150	damp @ 125	"
	Shale		150	183		"
	Sand		183	200	1 1/2" Stream @ 185	"
	Shale		200	275		"
	Sand & Shale		275	298		"
	Coal		298	302		"
	Sand & Shale		302	315		"
	Sand		315	345		"
	Sandy Shale		345	385		"
	Red Rock & Shale		385	470		"
	Sandy Shale		470	490		"
	Red Rock & Shale		490	510		"
	Sandy Shale		510	667		"
	Sand		667	745		"
	Sand & Shale		745	785		"
	Sand		785	870		"
	Sand & Shale		870	900		"
	White Sand		900	950		"
	Sand & Shale		950	995		"

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 6	Bottom Feet	Oil, Gas or Water	* Remarks
		Sand	995	1145		From Drillers' Log
		Sand & Shale	1145	1208		"
		Sand	1208	1235		"
		Sand & Shale	1235	1670		"
		Big Lime	1670	1785		"
		Sand	1785	1830		"
		Sand & Shale	1830	1915		"
		Sand	1915	1955		"
		Sand & Shale	1955	3090		"
		Sand	3090	3115		"
		Shale	3115	3525		"
		Sand	3525	3695	gas @ 3627	"
		Sand & Shale	3695	4510	gas @ 4175, 4430	"
		Benson	4510	4530		"
		Sand & Shale	4530	4652	gas @ 4588	"
		Drillers' T. D.	4652			"
		Big Injun	1745	1810		Service Co. Log
		Gantz	2180	2195		"
		50 Ft.	2244	2260		"
		30 Ft.	2320	2336		"
		Gordon Stray	2360	2390		"
		Gordon	2442	2510		"
		4th Sd.	2544	2552		"
		Warren	3014	3053		"
		Speechley	3220	3354	gas @ 3535	"
		Balltown	3534	3598		"
		Benson	4520	4529		"
		Loggers' T. D.	4665			"

Date February 21, 19 78

APPROVED Thomas Flaherty, III Owner

By Thomas Flaherty, III, Geologist
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 17 1977

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE September 22, 1977

Surface Owner Sam Alquist

Company DORAN & ASSOCIATES, INC. Weldon C. Doran

Address 455 Rosebud Ave. Clarksburg, W VA

Address 733 Washington Rd. Pgh., PA 15228

Mineral Owner E. R. Duncan, et al

Farm Ernest Duncan Acres 81 1/2

Address 103 Migs Ave., Clarksburg, W VA

Location (waters) New Creek Right Prong

Coal Owner Pittston Coal Company

Well No. 2 Elevation 1164

Address P.O. Box 456, Phillippi, W VA 26416

District Ten Mile County Harrison

Coal Operator _____

Quadrangle Wolf Summit 7 1/2

Address _____

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 2-20-78

INSPECTOR TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, W. Va.

PHONE 622-3871

[Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 22, 1899 by E. Duncan Estate made to Consolidated Gas Supply and recorded on the 18th day of July 1900 in Harrison County, Book 116 Page 427

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address this day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

733 Washington Rd.
Street
Pittsburgh, PA 15228
City or Town
Pennsylvania
State

Very truly yours,
[Signature]
(Sign Name) Weldon C. Doran, Jr.
Well Operator

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

HAR-1156 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-033

Signed by [Signature]

[Handwritten mark]

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT: Al Sorcan - 304-472-0007
 NAME S. W. Jack NAME Doran & Associates, Inc. Weldon C. Doran
 ADDRESS P.O. Box 754 Indiana, PA 15701 ADDRESS 733 Washington Rd. Pgh., PA 15228
 TELEPHONE 463-9191 TELEPHONE 412-344-4866
 ESTIMATED DEPTH OF COMPLETED WELL: 4750' ROTARY x CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS x COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 11 3/4	30'	30'	10 sks
9 - 5/8			
8 - 5/8	1200'	1200'	300 sks
7			
5 1/2			
4 1/2	4750'	4750'	250 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 200
 IS COAL BEING MINED IN THE AREA? Yes BY WHOM? Pittston Coal

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title