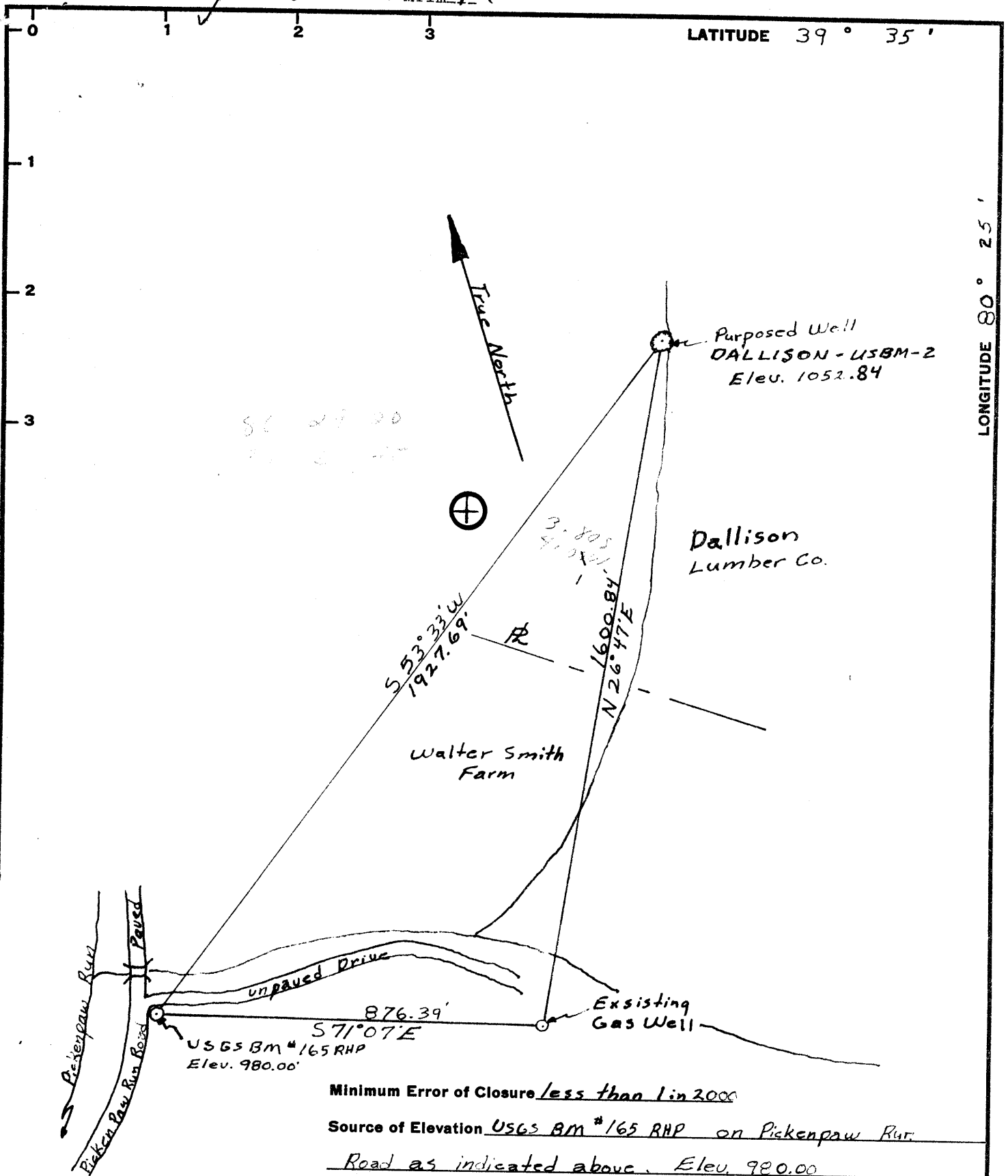


LATITUDE 39° 35'

LONGITUDE 80° 25'



Minimum Error of Closure less than 1 in 2000

Source of Elevation USGS BM #165 RHP on Pickenpaw Run

Road as indicated above Elev. 980.00

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

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.

Signed: William P. Foley R.P.C.E.  
Squares: N S E W

Map No.

**U.S. Dept. of the Interior**  
Company U.S. Bureau of Mines  
Address Collins Ferry Road, Morgantown, W Va  
Farm Dallison Lumber Company  
Tract \_\_\_\_\_ Acres 8 Lease No. \_\_\_\_\_  
Well (Farm) No. DALLISON USBM-2 Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 1052.84  
Quadrangle Mannington SW  
County Wetzel District Grant  
Engineer William P. Foley  
Engineer's Registration No. 4449  
File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
Date 9-4-74 Scale 1" = 300'

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

**WELL LOCATION MAP**  
FILE NO. Wet-597

+ 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.

**47-103**



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

Rotary   
Spudder   
Cable Tools   
Storage   
Oil or Gas Well  **Coal Research** (KIND)

Quadrangle Mannington  
Permit No. WET-597

**WELL RECORD**

U.S. Department of the Interior  
Company Bureau of Mines  
Address P.O. Box 880, Morgantown, W. Va. 26505  
Farm Dallison Lumber Co. Acres 8  
Location (waters) Pickenpaw Run  
Well No. Dallison-USBM-2 Elev. 1,052.84  
District Grant County Wetzel  
The surface of tract is owned in fee by Dallison Lumber Co.  
Address Folsome, W. Va. 26348  
Mineral rights are owned by Walker F. Peterson "et.al."  
Address Baltimore, Maryland

Drilling commenced November 29, 1974  
Drilling completed December 12, 1974  
Date Shot From To  
With

Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS)

RESULT AFTER TREATMENT (Initial open Flow or bbls.)  
ROCK PRESSURE AFTER TREATMENT HOURS  
Fresh Water Feet Salt Water Feet

Producing Sand Pittsburgh Coal Depth 892-900 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Formation Packer Shoe
16			Kind of Packer
13			Halliburton
10			Size of 4-1/2 x 7
8-5/8	60'	60'	Depth set 882'
6 3/4			
5 3/16			
4 1/2	882	882	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record. 8-5/8 - 60' - 11-29-74  
4-1/2 - 882' - 12-12-74  
CASING CEMENTED SIZE No. Ft. Date  
Amount of cement used (bags) 8-5/8 35 sacks; 4-1/2 229 sacks  
Name of Service Co. Halliburton  
COAL WAS ENCOUNTERED AT 386 FEET -- INCHES  
526 FEET -- INCHES 790 FEET -- INCHES  
892 FEET -- INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale and siltstone	--	--	0	60'			
Sandstone	--	--	60	72			
Shale and siltstone	--	--	72	104			
Sandstone	--	--	104	124			
Shale and siltstone	--	--	124	200			
Sandstone	--	--	200	214			
Shale and siltstone	--	--	214	386			
Washington coal	Black	--	386	390			
Shales and siltstone	--	--	390	502			
Sandstone	--	--	502	524			
Shale	--	--	524	526			
Waynesburg Coal	Black	--	526	529			
Shales and siltstone	--	--	529	700			
Shales and limestone	--	--	700	790			
Sewickly coal	Black	--	790	794			
Shales and limestone	--	--	794	884			
Shale	--	--	884	892			
<u>Pittsburgh coal</u>	--	--	892	900			
Shale	--	--	900	925			

(over)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 8 1974

OIL & GAS DIVISION  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Dallison Lumber Co.  
Address Folsome, W. Va. 26348  
Mineral Owner Walker F. Peterson "et.al."  
Address Baltimore, Maryland  
Coal Owner Consolidation Coal Company  
Address P. O. Box 1632, Fairmont, W. Va. 26554  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

DATE September 16, 1974  
Company U.S. Department of Interior  
Bureau of Mines  
Address P. O. Box 880, Morgantown, W. Va. 2650  
Farm Dallison Lumber Co. Acres 8  
Location (waters) Pickenpaw Run  
Well No. Dallison-USBM-2 Elevation 1,052.84  
District Grant County Wetzel  
Quadrangle Mannington

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 2-9-75

*[Signature]*

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard Morris  
Grantville PH: Saintment  
W. Va. 354-7259 or. } 366-1913

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for ~~research~~ research purposes  
title thereto, (or as the case may be) under cooperative agreement dated 14 June 19 74 by Consol. and  
CONOCO made to U.S. Dept. of Interior and recorded on the \_\_\_\_\_ day of \_\_\_\_\_  
19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page not yet recorded  
 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 \_\_\_\_\_ 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, W. Va. 26505  
AC 304-296-4461

Very truly yours,

(Sign Name) J. S. Shuck for  
Well Operator J. Pasini III

Bureau of Mines, P. O. Box 880

Address  
of  
Well Operator

Street  
Morgantown

City or Town

West Virginia 26505

State

\*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.

Wet-597 PERMIT NUMBER

47-103

**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: \_\_\_\_\_  
 NAME Delta Drilling & Development, Inc. NAME J. Pasini III  
 ADDRESS Box 652, Dana, Ind. ADDRESS U.S. Bureau of Mines, P. O. Box 88  
 TELEPHONE \_\_\_\_\_ TELEPHONE 599-7103 Morgantown, W. Va.  
 ESTIMATED DEPTH OF COMPLETED WELL: 900 ft. ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Pittsburgh  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER X  
 Research oriented core well

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8      20'	20'	20'	
7			
5 1/2			
4 1/2      900'	900'	900'	350 sacks thermal cement
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET      SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 850  
 IS COAL BEING MINED IN THE AREA? No      BY WHOM? \_\_\_\_\_

**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.

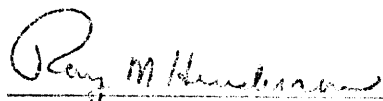
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

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 Consolidation 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 Consolidation 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

Engineering Assistant to Senior V.P.  
 Official Title