

Minimum Error of Closure 1 in 200

Source of Elevation Elev. Well No. 2 = 827

- 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: W. H. Carter
 Squares: N S E W

Map No. _____

Company ASSOCIATED MINERALS, INC.

Address 225 4th St., Suite 4 East, Parkersburg, W. Va.

Farm W. H. and Francis Carter

Tract _____ Acres 199.07 Lease No. _____

Well (Farm) No. Three Serial No. _____

Elevation (Spirit Level) 982

Quadrangle Marietta, Ohio SC

County Wood District Union

Engineer W. H. Carter
 Surveyor

Surveyor's Registration No. 1227

File No. _____ Drawing No. _____

Date March 2, 1976 Scale 1" = 50 poles = 825'

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

WELL LOCATION MAP

FILE NO. W00-730

+ 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.

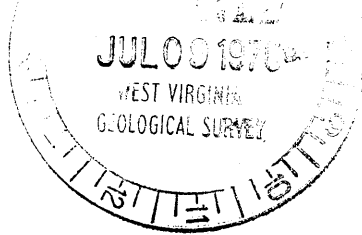
- Denotes one inch spaces on border line of original tracing.

47-107



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JUN 30 1976



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 7

Quadrangle Marietta

Permit No. W00-730

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

Company Associated Minerals, Inc.
Address 225 4th St., Parkersburg, W.V.
Farm W.H. & Francis Carter Acres 200
Location (waters) Bull Creek
Well No. 3 Elev. 982
District Union County Wood
The surface of tract is owned in fee by _____
Francis Carter, widow
Address 1605 Market St., Parkersburg
Mineral rights are owned by Same
Address _____
Drilling Commenced 3/1/76
Drilling Completed 3/4/76
Initial open flow show cu. ft. show bbls.
Final production 2000M cu. ft. per day 140 bbls.
Well open 4 hrs. before test 800 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	200	200	60 sks
7			
5 1/2			
4 1/2		2485	40 sks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perf 2389-92 Halliburton Frac. 11,000# sand 408 bbl oil

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 2384-96

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Shale			10	95		
Shaley Sand			95	112		
Shale			112	204		
Sand			204	220		
Shale			220	315		
Sand			315	427		
Shale			427	585		
Sand			585	622		
Shale			682	1140		
Sand			1140	1158		
Shale			1158	1165		
Sand			1165	1191		
Shale			1191	1280		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet ?	Bottom Feet	Oil, Gas or Water	* Remarks.
Sand			1280	1330		
Shale			1330	1458		
Sand			1458	1471		
Shale & Sandy Shale			1471	1745		
Sand			1745	1843		
Lime			1843	1932		water at 1870
Sandy Lime			1932	1962		
Shale			1962	1974		
Limey Sand			1974	2052		
Shale			2052	2384		
<u>Sand, Berea</u>			2384	2396		oil and gas
Sandy Shale			2396	2485		
		T.D.	2485			

Date _____, 19____

APPROVED _____, Owner

By _____

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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MAR 2 1976
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 March 1, 1976

Surface Owner W.H. and Francis Carter
Address Parkersburg, West Virginia 26101
Mineral Owner Same
Address Same
Coal Owner Same
Address Same
Coal Operator None
Address _____

Company Associated Minerals, Inc.
Address 225-4th St. Parkersburg, W.Va.
Farm Carter Acres 200
Location (waters) Bull Creek
Well No. 3 Elevation _____
District Union County wood
Quadrangle Marietta

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 7-2-76.

Deputy Director - Oil & Gas Division
GENTLEMEN:

INSPECTOR TO BE NOTIFIED Donald Conner
PH: 428-8172 ADDRESS Mineral Wells, WV.

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 December 20 1970 by Francis S. Carter Mrs. W.H. Carter made to Allen Bros. Oil Co. and recorded on the 22 day of December 1970, in Wood County, Book 582 Page 63

XX 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

Address
of
Well Operator

Very truly yours, ASSOCIATED MINERALS, INC.
By [Signature] Gen. Mgr.
(Sign Name) _____ Well Operator

225 Fourth Street
Street
Parkersburg
City or Town
West Virginia 26101
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.

BOND DRILL

WOO-730 _____ PERMIT NUMBER
47 107

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME FWA _____ NAME W.H. Allen _____
 ADDRESS Weston, West Virginia _____ ADDRESS 225-4th St. Parkersburg, W.Va. _____
 TELEPHONE _____ TELEPHONE 422-5418 _____
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____³ _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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			
9 - 5/8			
8 - 5/8	200	200	Circulate to surface
7			
5 1/2			
4 1/2	2300	2300	80 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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 _____ 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