



LATITUDE 39° 22' 30" (15') 39° 25'

LONGITUDE 81° 30'

7.825
0.14W

Topo 15'
1945
7 1/2

39 20 50
81 30 10

Minimum Error of Closure 1 in 200'

Source of Elevation USGS B.M. on road 1800' NW - 890'

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: *W. H. ...*
Squares: N S E W

Company SUNDANCE ENTERPRISES INC.
Address 225 4th St. Suite 4 East, Parkersburg, WV
Farm David Kennedy
Tract _____ Acres 52+ Lease No. _____
Well (Farm) No. One Serial No. _____
Elevation (Spirit Level) 922'
Quadrangle 15 Parkersburg 7 1/2' EC
County Wood District Williams
Engineer W. H. ...
Surveyor W. H. ...
Surveyor's Registration No. 1227
File No. _____ Drawing No. _____
Date April 13, 1976 Scale 1" = 30p = 495'

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

WELL LOCATION MAP
FILE NO. W00-744

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

- Denotes one inch spaces on border line of original tracing. **47-107**



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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Oil and Gas Division
WELL RECORDS

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

Quadrangle Parkersburg

Permit No. W00-744

Company <u>Associated Minerals, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>225 4th St., Parkersburg, W.V.</u>				
Farm <u>David Kennedy</u> Acres <u>45</u>	Size			
Location (waters) <u>Briscoe Run</u>	20-16			
Well No. <u>1</u> Elev. <u>922</u>	Cond.			
District <u>Williams</u> County <u>Wood</u>	13-10"			
The surface of tract is owned in fee by <u>David Kennedy, Liddy Kennedy</u>	9 5/8			
Address <u>Rt. 1, Parkersburg, W.V.</u>	8 5/8	200	200	40 sks
Mineral rights are owned by <u>same</u>	7			
Address _____	5 1/2			
Drilling Commenced <u>4-12-76</u>	4 1/2		2489	70 sks
Drilling Completed <u>4-16-76</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production <u>500M</u> cu. ft. per day <u>40</u> bbls.	Liners Used			
Well open <u>6</u> hrs. before test <u>580</u> RP.				

Well treatment details: Halliburton frac 28M sand 495 B. oil

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water 1720' Feet 1735
Producing Sand Berea Depth 2120' - 2126'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	40		
Red rocks			40	85		
Shale			85	180		
Limey sand			180	200		
Shale			200	270		
Sand			270	295		
Shale			295	380		
Limey sand			380	435		
Shale and sandy shale			435	1010		
Sand			1010	1115		
Shale and sandy shale			1115	1230		
Sand			1230	1250		
Shale			1250	1325		
Sand			1325	1350		
Shale			1350	1475		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1475	1590		
Shale			1590	1635		
Lime and sandy lime			1635	1740	Salt water	1720'
Shale and sandy shale			1740	2090		
Coffee shale			2090	2120		
<u>Berea sand</u>			2120	2126	Show oil and gas	
Sandy shale			2126	2438		
Shaley sand (<u>Gordon</u>)			2438	2454	Show gas	
Sandy shale			2454	2525		
T.D.			2525			

Date September 7, , 19 76

APPROVED Associated Minerals Co. Owner

By Jim Allen, eqt
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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APR 12 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 April 12, 1976

Surface Owner David Kennedy or Liddy Kennedy

Company Sundance Enterprises, Inc.

Address Rt. 1, Parkersburg, W. Va. 26101

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

Mineral Owner Same

Farm Kennedy Acres 45

Address Same

Location (waters) _____

Coal Owner Same

Well No. 1 Elevation _____

Address Same

District Williams County Wood

Coal Operator None

Quadrangle Parkersburg

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 8-12-76.

INSPECTOR
TO BE NOTIFIED Donald Conner

ADDRESS Mineral Wells, W. Va.

PHONE 428-8172

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 March 22, 1976 by David Kennedy or Liddy Kennedy made to Associated Minerals, Inc. and recorded on the 23rd day of March 1976, in Wood County, Book 666 Page 199

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.

Very truly yours, SUNDANCE ENTERPRISES, INC.
(Sign Name) Walter Allen
Well Operator

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 225 4th Street
of _____ Street
Well Operator 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-744 PERMIT NUMBER
47-107

Handwritten initials

**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 Walter Allen _____
 ADDRESS Weston, West Virginia _____ ADDRESS 225 4th Street, Parkersburg, W. Va. _____
 TELEPHONE _____ TELEPHONE 422-5418 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2600 _____ ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon _____
 TYPE OF WELL: OIL _____ GAS XX 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			
9 - 5/8			
8 - 5/8	200	200	Circulate to surface
7			
5 1/2			
4 1/2		2600	80 sks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS None _____
 IS COAL BEING MINED IN THE AREA? _____ 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