



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Parks No. 1 - (Other tract) = 778

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

Map No. _____

Company Sundance Enterprises

Address 225 4th St. Suite 4, East Parkersburg

Farm William C. Parks

Tract _____ Acres 6+1/2 Lease No. _____

Well (Farm) No. One Two Serial No. _____

Elevation (Spirit Level) 813'

Quadrangle 15 Parkersburg 7 1/2 EC

County Wood District Williams

Surveyor Engineer W. H. ...

Surveyor's Registration No. 1227

File No. _____ Drawing No. _____

Date April 22, 1976 Scale 1" = 200'

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

WELL LOCATION MAP

FILE NO. W00-745

+ 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



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Parkersburg

Permit No. W00-745

Company Sundance Enterprises
Address 225 4th St., Parkersburg, W.Va.
Farm William Parks Acres _____
Location (waters) Briscoe Run
Well No. 2 Elev. 813
District Williams County Wood
The surface of tract is owned in fee by _____
William and Maleta Parks
Address R. 1, Box 80, Parkersburg, W.V.
Mineral rights are owned by Same
Address _____
Drilling Commenced 4-16-76
Drilling Completed 4-19-76
Initial open flow A.F. 1MM cu. ft. 48 bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open 4 hrs. before test 600 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 | 161' | 161' | 50 sks |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2150 | 40 sks |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Halliburton frac 20,000 # sand, 526 bbl oil

1,000 McF + 48 BOPD

Coal was encountered at none Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 2072-2080

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-----------------------|-------|--------------|----------|-------------|-------------------|-----------|
| Clay | | | 0 | 20 | | |
| Shale | | | 20 | 64 | | |
| Red rock | | | 64 | 90 | | |
| Shale | | | 90 | 445 | | |
| Sand | | | 445 | 500 | | |
| Shale | | | 500 | 882 | | |
| Sand | | | 882 | 898 | | |
| Shale | | | 898 | 912 | | |
| Sand | | | 912 | 920 | | |
| Shale | | | 920 | 944 | | |
| Sand | | | 944 | 1070 | | |
| Shale | | | 1070 | 1100 | | |
| Sand | | | 1100 | 1210 | | |
| Shale and sandy shale | | | 1210 | 1395 | | |
| Sand and shaly sand | | | 1395 | 1540 | | |
| Shale and sandy shale | | | 1540 | 1585 | | |

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|-----------------------|-------|--------------|----------|-------------|-------------------|---------|
| Lime and sandy lime | | | 1585 | 1650 | Salt water | 1655 |
| Sand and limey sand | | | 1650 | 1688 | | |
| Shale and sandy shale | | | 1688 | 2072 | | |
| Sand, <u>Berea</u> | | | 2072 | 2080 | oil and gas | 2075 |
| Shale and sandy shale | | | 2080 | 2150 | | |
| Total Depth | | | 2150 | | | |

Date _____, 19____

APPROVED _____, Owner

By _____
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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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 William C. Parks or Maleta Parks Company Sundance Enterprises, Inc.
 Address Rt. 1, Box 80, Parkersburg, W. Va. Address 225 4th St., Parkersburg, W. Va.
 Mineral Owner Same Farm Parks Acres 20
 Address Same Location (waters) Briscoe Run
 Coal Owner Same Well No. 2 Elevation _____
 Address Same District Williams County Wood
 Coal Operator None Quadrangle Parkersburg
 Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 12 1976 by William C. Parks or Maleta Parks made to Associated Minerals, Inc. and recorded on the 18th day of March 1976, in Wood County, Book 666 Page 135

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.

W00-745 PERMIT NUMBER

47-107

BOND DRILL

Small

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 Walt Allen _____
 ADDRESS Weston, West Virginia _____ ADDRESS 225 4th St., 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? 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