



NOTE ELEVATION FROM
U.S.G.S. B.M. 692.00

THE ACCURACY OF THIS SURVEY IS WITHIN THE LIMITS PRESCRIBED
BY THE OIL & GAS DIVISION OF THE DEPARTMENT OF MINES.

Fracture - 1/29/83
 New Location
 Drill Deeper
 Redrill
 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."

Company Ashland Exploration, Inc.
 Address PO Box 391, Ashland, Ky 41114
 Farm DINGESS RUN
 Tract 22 Acres 304.625 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 737.23
 Quadrangle PEYTONA C
 County BOONE District SHERMAN
 Engineer Geo. H. Miller
 Engineer's Registration No. 1892
 File No. _____ Drawing No. _____
 Date SEPTEMBER 19 1966 Scale 1" = 400'

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

FEB 07 1983

WELL LOCATION MAP

FILE NO. B00-1000-Frac.

+ 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.

47-005

owned 6-6 Seth (239) DEEP WELL

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforate Injun 28H/1370-81, 14H/1388-96, Dowell frac Injun w/30#/1000 gal gelled water system using 30,000# 20/50 sd. TL&FW 513 bbl, TSEF 350 bbl. Started sd @ 1450#, ATP 1500# @ 25 B/M. ISIP 1200#, 15 min 1000#.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Reported on Initial Report			

(Attach separate sheets as necessary)

ASHLAND EXPLORATION, INC.

Well Operator

By:

Steve S. Davis

Date:

July 20, 1983

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well Gas ^{DRY}
(KIND)

Quadrangle Peytona

Permit No. Boone 1000 REVISED

WELL RECORD

Company <u>Pace Bower Construction Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>305 Nelson Bldg., Charleston, W. Va.</u>				
Farm <u>Dingess-Rum Coal Co.</u> Acres <u>304.6</u>				
Location (waters) <u>Mill Branch of Big Coal River</u>	Size			
Well No. <u>1</u> Elev. <u>737.23</u>	16			Kind of Packer
District <u>Sherman</u> County <u>Boone</u>	13	26'	26'	
The surface of tract is owned in fee by <u>Dingess Rum Coal Co.</u>	9-5/8	1430'	1430'	Size of
Address <u>1111 1st Natl. Bank Huntington, W. Bldg.</u>	8 1/4			
Mineral rights are owned by <u>Dingess Rum Coal Co.</u>	6 3/4	5077'	787'	Depth set
Address <u>Same as above</u>	5 3/16			
Drilling commenced <u>12/13/66</u>	3			Perf. top
Drilling completed <u>1/15/67</u>	2			Perf. bottom
Date Shot _____ From _____ To _____	Liners Used			Perf. top
With _____				Perf. bottom
Open Flow _____ /10ths Water in _____ Inch				
Volume <u>5,600</u> _____ /10ths Merc. in _____ Inch				
Rock Pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
WELL ACIDIZED _____				
WELL FRACTURED _____				

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 13"-25 sks; 9-5/8"-100 sks, 6-5/8"-100 sks
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT DRY
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Unconsolidated Material			0	4	No coal	encountered	
Siltstone			4	10			
Shale			10	42			
Siltstone			42	50			
Sandstone			50	64	Water at	50'	
Shale with siltstone stringers			64	204			
Siltstone with shale stringers			204	244			
Sandstone			244	267			
Shale			467	280			
Sandstone			280	304			
Shale			304	314			
Siltstone			314	319			
Sandstone			319	337			
Shale			337	348			
Sandstone			348	358			
Shale			358	367			
Siltstone			367	383			
Shale			383	413			
Salt Sand			413	598			
Shale			598	616			
Sandstone with interbeaded shale			616	629			
Salt Sand			629	770			
Shale			777	803			
Siltstone			803	814			
Shale			814	821			
Siltstone			821	839			
Sandstone			839	934			
Shale with siltstone stringers			934	1039			
Maxon			1039	1089			

Formation	Color	Hard or Soft	Top <u>2</u>	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Little Lime			1089	1168			
✓ Big Lime			1168	1348			
✓ Big Injun			1348	1385			
✓ Berea			1818	1821			
✓ Onondaga			4360	4449			
✓ Oriskany			4449	4461			
✓ Newburg			5089	5101	Show of gas		
✓ Keefer			5267	5306			
Total Depth			5341	<u>555</u>			

*Well to be plugged back to Big Injun Sand

Neld - 4461 —
 MKZ - 5101 - 5267
 RSHL - 5306 —

5341
 1821
 3520

Date January 18, _____, 19____
 APPROVED PACE-BOWER CONSTRUCTION CO.
 By J. A. Pace
 J. A. Pace (Title) Vice Presi



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 2

Rotary
Spudder
Cable Tools
Storage

Quadrangle Peytona

Permit No. Boone 1000 REVISED

WELL RECORD

Oil or Gas Well Gas

Company <u>Pace Bower Construction Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>305 Nelson Bldg., Charleston, W. Va.</u>				
Farm <u>Dingess-Rum Coal Co.</u> Acres <u>304.6</u>				
Location (waters) <u>Mill Branch of Big Coal River</u>	Size			
Well No. <u>1</u> Elev. <u>737.23</u>	16			Kind of Packer
District <u>Sperman</u> County <u>Boone</u>	13	26'	26'	
The surface of tract is owned in fee by <u>Dingess Rum Coal Co.</u>	<u>9-5/8</u>	1430'	1430'	Size of
Address <u>1111 1st Natl. Bank Bldg., Huntington, W. Va.</u>	8 1/4"			
Mineral rights are owned by <u>Dingess Rum Coal Co.</u>	6 5/8"	5077'	787'	Depth set
Address <u>Same as above</u>	5 3/16"			
Drilling commenced <u>12/13/66</u>	3			Perf. top
Drilling completed <u>1/15/67</u>	2			Perf. bottom
Date Shot _____ From _____ To _____	Liners Used			Perf. top
With _____				Perf. bottom
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume <u>5,600</u> Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date			
Rock Pressure _____ lbs. _____ hrs.	<u>13"-25 sks; 9-5/8"-100 sks, 6-5/8"-100 sks</u>			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
WELL ACIDIZED _____	_____ FEET _____ INCHES _____ FEET _____ INCHES			
WELL FRACTURED _____	_____ FEET _____ INCHES _____ FEET _____ INCHES			

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Unconsolidated Material			0	4	No coal	encountered	
Siltstone			4	10			
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Newburg			5089	5101	Show of gas		
Keefer			5267	5306			
Total Depth			<u>5341</u>				
*Well to be plugged back to Big Injun Sand						$\begin{array}{r} 5089 \\ 737 \\ \hline -4352 \end{array}$	$\begin{array}{r} 4360 \\ 737 \\ \hline -3623 \end{array}$
			$\begin{array}{r} 5089 \\ 4360 \\ \hline 729 \end{array}$			$\begin{array}{r} 4352 \\ 3623 \\ \hline 729 \end{array}$	
						$\begin{array}{r} 5089 \\ 737 \\ \hline -4352 \end{array}$	

Date January 18, 1906

APPROVED PACE-BOWER CONSTRUCTION CO. Ow

By J. A. Pace
 J. A. Pace (Title) Vice Presid

000357
dated: 1-13-83 returned
with Fracture Permit...



1) Date: January 13, 1983
2) Operator's Well No. 1, Serial No. 155660
3) API Well No. 47 State 005 County 1000 Permit

DRILLING CONTRACTOR:

Tri-State Well Service, Inc.

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
B (If "Gas", Production / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 137.2 Watershed: Mill Branch of Big Coal River
District: Sherman County: Boone Quadrange:
- 6) WELL OPERATOR Ashland Exploration, Inc. 11) DESIGNATED AGENT Forrest Burkett
Address P.O. Box 391 Address P.O. Box 156
Ashland, KY 41114 Brenton, WV 24810
- 7) OIL & GAS ROYALTY OWNER Dingess Run Coal Company 12) COAL OPERATOR None
Address The First Huntington Nat'l Bk. Bldg. Address
Huntington, WV 25701
Acreage 2348.20
- 8) SURFACE OWNER Dingess Run Coal Company 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address The First Huntington Nat'l Bk. Bldg. Name Dingess Run Coal Company
Huntington, WV 25701 Address First Huntington Nat'l Bk. Bldg.
2348.20 Huntington, WV 25701
Acreage
- 9) FIELD SALE (IF MADE) TO:
Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
Name Name Pickands Mather & Company
Address P.O. Box 157 Address 522 70th Street
Brenton, WV 24810 Charleston, WV 25304
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, 1400
17) Estimated depth of completed well, feet top of salt sand
18) Approximate water strata depths: Fresh, feet; salt, feet.
19) Approximate coal seam depths: Is coal being mined in the area? Yes / No X

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>13 5/8</u>				<u>X</u>				Kinds
Fresh water									
Coal					<u>X</u>	<u>1430'</u>	<u>1430'</u>		Sizes
Intermediate	<u>6 5/8</u>				<u>X</u>	<u>5077'</u>	<u>757' (420-5077)</u>		
Production	<u>2 3/8</u>	<u>K-55</u>	<u>4.70</u>	<u>X</u>		<u>1350'</u>			Depths set
Tubing									
Liners									Perforations:
									Top <u> </u> Bottom <u> </u>

21) EXTRACTION RIGHTS

- Check and provide one of the following:
- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Uicki W. Montz
My Commission Expires November 23, 1986

Signed:
Its: Regional Civil Engineer

OFFICE USE ONLY
DRILLING PERMIT

Permit number Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas