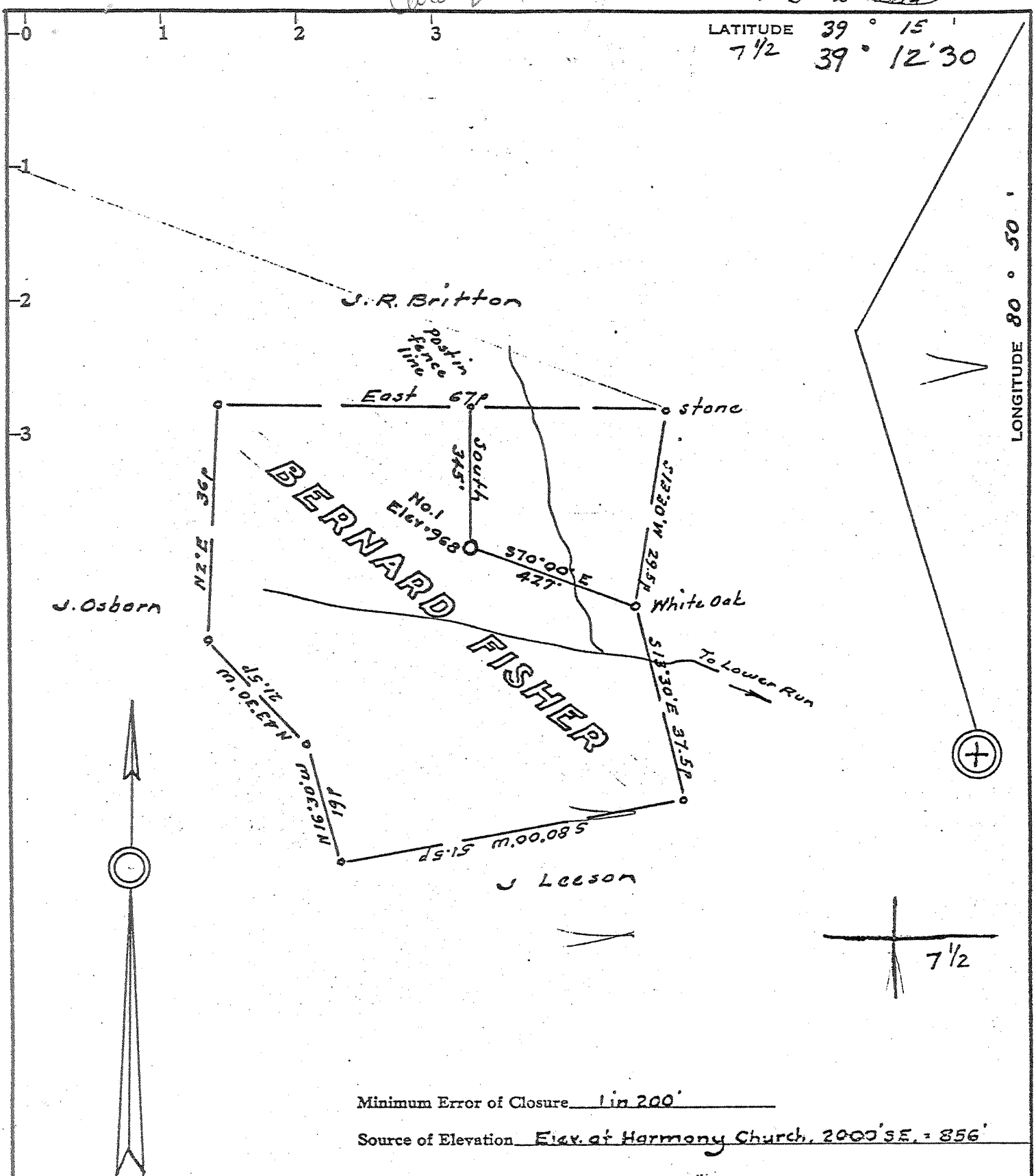


Card

1-5-72 Jodd

LATITUDE 39° 15' 7 1/2  
39° 12' 30

LONGITUDE 80° 50'



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. at Harmony Church, 2000' SE. = 856'

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.....  - 7-8-74

Signed: Matthew J. [Signature]  
Squares: N S E W

Big D Industrial Equipment, Inc.  
 Company 414 Union Trust Building  
 Address Parkersburg, W.Va. 26101

Farm Bernard G. Fisher, et al  
 Tract Acres 23 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 968  
 Quadrangle Holbrook  
 County Doddridge District Southwest  
 Engineer Matthew J. [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date November 23, 1971 Scale 1" = 200' = 330'

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

WELL LOCATION MAP

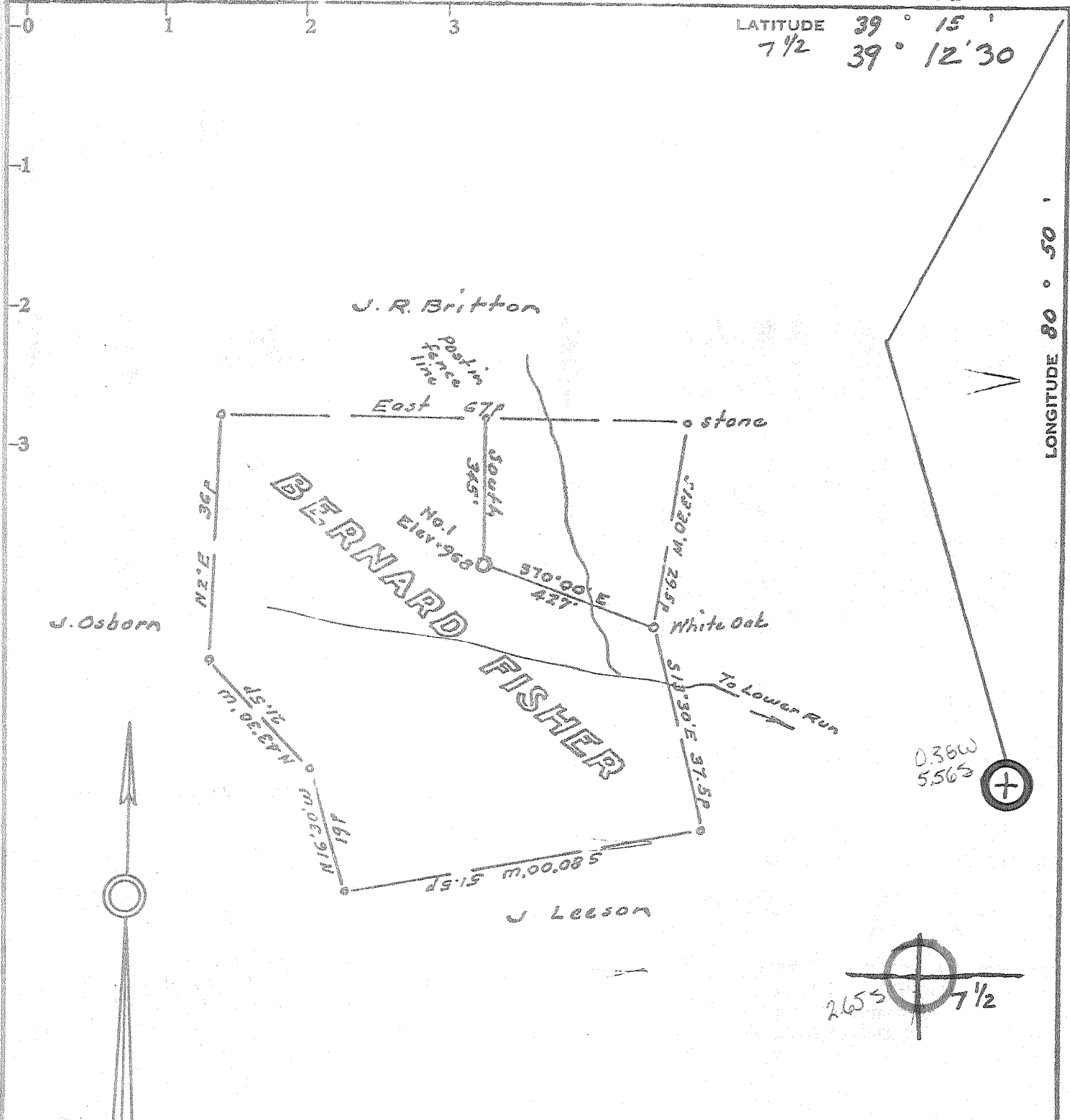
017-11662 P  
FILE NO. D32-11662

Plugging Cancelled  
+ 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.

1-5-72-Jed

LATITUDE 39° 15' 7 1/2  
39° 12' 30



LONGITUDE 80° 50'

Minimum Error of Closure 1 in 200'

Source of Elevation Elev. of Harmony Church, 2000' SE. = 856'

- 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.

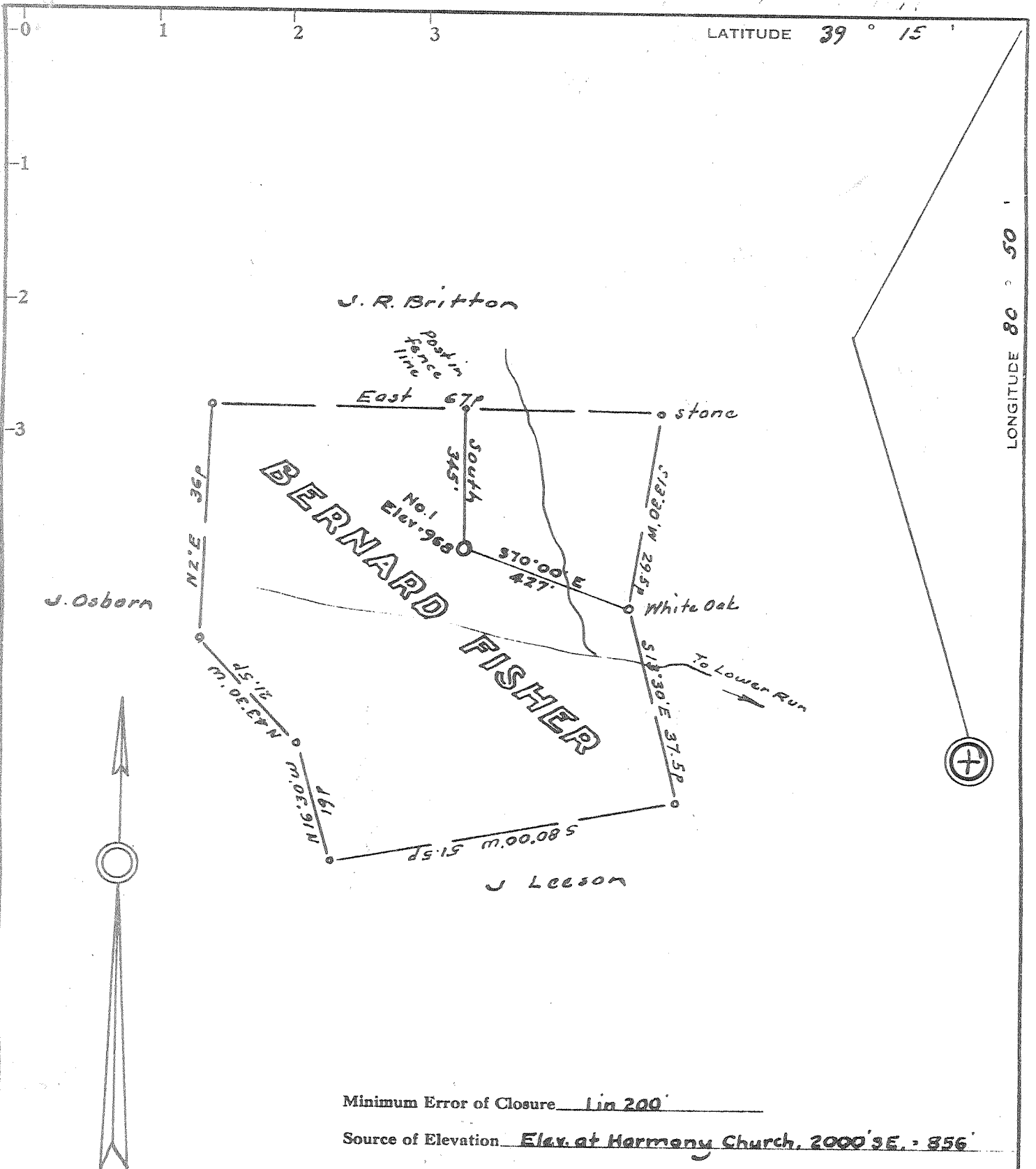
Signed: [Signature]  
Squares: N S W

Big D Industrial Equipment, Inc.  
Company 414 Union Trust Building  
Address Parkersburg, W.Va. 26101  
Farm Bernard G. Fisher, et al  
Tract \_\_\_\_\_ Acres 23 Lease No. \_\_\_\_\_  
Well (Farm) No. One Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 968  
Quadrangle Holbrook  
County Roanoke District Southwest  
Engineer [Signature]  
Engineer's Registration No. 1227  
File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
Date November 23, 1971 Scale 1" = 200' = 330'

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

WELL LOCATION MAP  
017-  
FILE NO. D22-1662-R

+ 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.



Fracture   
 New Location   
 Drill Deeper   
 Abandonment  - 7-8-74

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: [Signature]  
 Squares: N S W

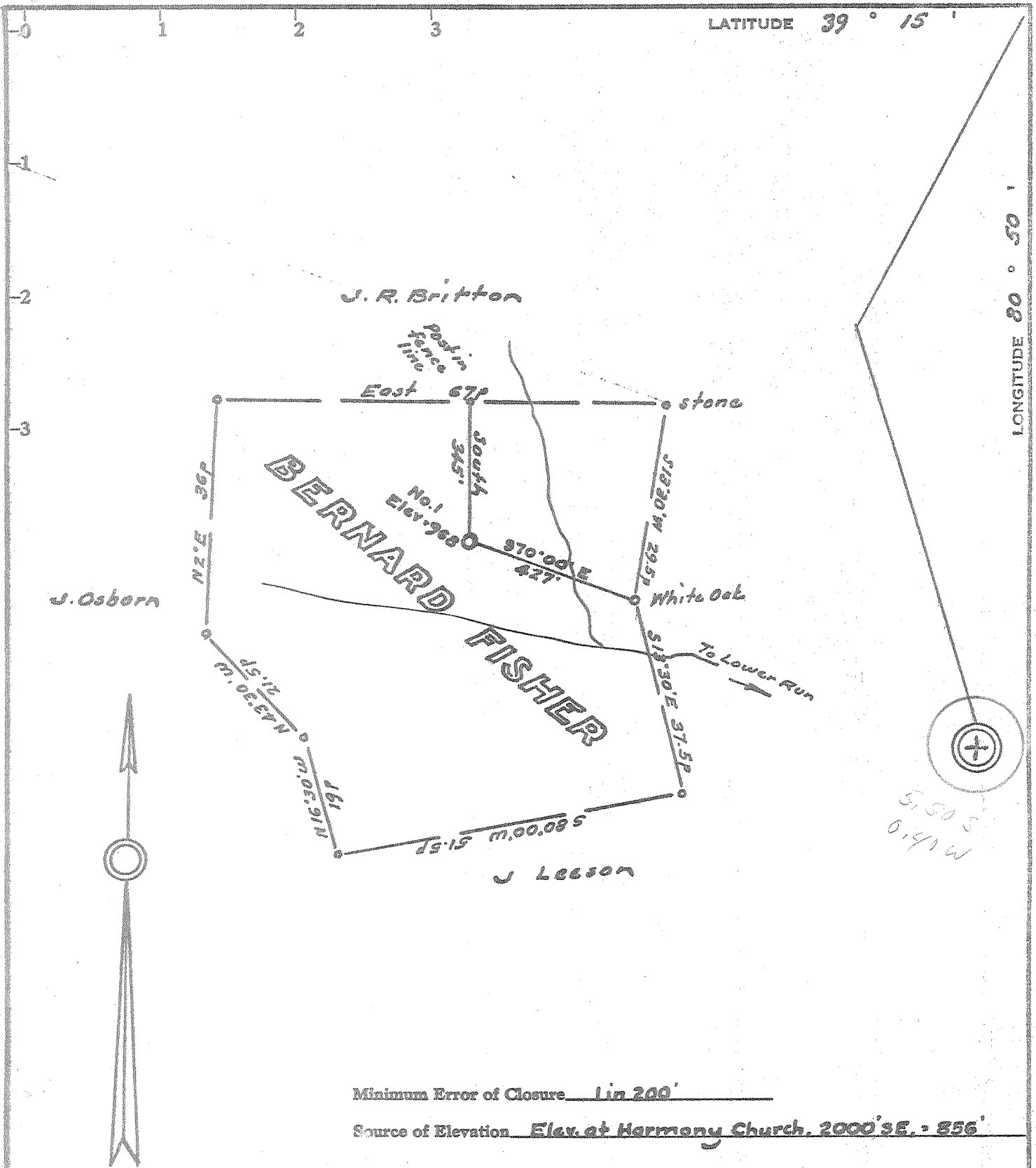
Map No. \_\_\_\_\_  
 Company: Big D Industrial Equipment, Inc.  
 Address: 411 Union Trust Building, Parkersburg, W. Va. 26101  
 Farm: Bernard G. Fisher, et al  
 Tract: \_\_\_\_\_ Acres 23 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 968  
 Quadrangle: Holbrook NC  
 County: Doddridge District: Southwest  
 Engineer: [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date: November 23, 1971 Scale 1" = 200' = 930'

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

WELL LOCATION MAP  
 FILE NO. DDD-1662-F

+ 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.

AUG 2 1974



Minimum Error of Closure Lin 200'

Source of Elevation Elev. at Harmony Church, 2000 SE. - 856'

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. J. Jodd*  
Squares: N S W

Map No.

Company BLACK BEAR OIL & GAS CO.  
 Address P.O. Box 4094, Midland, Texas 79701  
 Farm Bernard G. Fisher, et al  
 Tract Acres 23 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 968  
 Quadrangle Holbrook, NC  
 County Doddridge District Southwest  
 Engineer *W. J. Jodd*  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date November 23, 1971 Scale 1" = 200' = 330'

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

WELL LOCATION MAP

FILE NO. 000-1662

+ 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.

39-15  
2-55



RECEIVED

APR 10 1972

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

- Rotary
- Spudder
- Cable Tools
- Storage

WELL RECORD

Oil or Gas Well CS (KIND)

Quadrangle Holbrook  
Permit No. DOD-1662

Company BLACK BEAR OIL & GAS CORP.  
Address P.O. Box 4094 Midland, Texas 79701  
Farm Bernard Fisher Acres 23  
Location (waters) Lower Run  
Well No. One Elev. 968'  
District Southwest County Doddridge  
The surface of tract is owned in fee by Bernard Fisher  
Address Summers, W. Va.  
Mineral rights are owned by Bernard Fisher et al  
Address Summers, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	100'	100'	Size of
8 1/4	1193'		
6 3/4			Depth set
5 3/16			
4 1/2	1918	1918'	
3			Perf. top 1854
2			Perf. bottom 1856
Liners Used			Perf. top 1874
			Perf. bottom 1876

Drilling commenced 1/13/72  
Drilling completed 2/28/72  
Date Shot no From  To   
With   
Open Flow /10ths Water in water Inch   
/10ths Merc. in Inch   
Volume  Cu. Ft.   
Rock Pressure  lbs.  hrs.   
Oil  bbls., 1st 24 hrs.   
WELL ACIDIZED (DETAILS)

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 1118 No. Ft. 2/28/72 Date  
Amount of cement used (bags) 120 sks. Common 1/2#/sk. Cel-  
Name of Service Co. Flake-Lawson Cementing co.  
COAL WAS ENCOUNTERED AT none FEET  INCHES  
FEET  INCHES FEET  INCHES  
FEET  INCHES FEET  INCHES

WELL FRACTURED (DETAILS) 3/6/72-Halliburton-1000 Bbls. Water, 43,500# sand, 31.3 B/min.  
@ 2700 psi.  
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 850 mcf/day plus good show oil  
ROCK PRESSURE AFTER TREATMENT 285 HOURS 24  
Fresh Water 100' Feet  Salt Water 965 Feet   
Producing Sand Big Injun Sand Depth 1838-1882'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil		S	0	15			
sand			15	80			
rock		S	80	110			
slate		S	110	185			
red rock			185	250			
slate			250	270			
red rock			270	285			
lime			285	290			
slate			290	400			
red rock			400	490			
slate			490	570			
lime			570	590			
red rock			590	610			
sand			610	625			
slate & shells			625	670			
sand			670	705			
lime			705	710			
slate			710	725			
red rock			725	775			
slate			775	865			
sand			865	895			
					OVER		

Formation	Color	Hard or Soft	Top S	Bottom	Oil, Gas or Water	Depth Found	Remarks
slate			895	905			
sand			905	920			
slate			920	935			
sand			935	945			
slate			945	975			
sand			975	1060			
slate & shells			1060	1105			
sand			1105	1130			
slate			1130	1192			
sand			1192	1295			
slate			1295	1384			
sand			1384	1414			
slate			1414	1433			
sand & silt			1433	1520	gas	1500' Salt	Sand - Burned
slate			1520	1578			rig down-500 mcf
sand			1578	1630			
lime			1630	1650			
slate			1650	1680			
lime			1680	1750			
sand			1750	1760			
lime - Big Lime			1760	1820			BIG LIME
sand - Big Injun			1820	1882			BIG INJUN
shale			1882	1918			
TD			1918				

Date April 3, 1972, 19\_\_

APPROVED BLACK BEAR OIL & GAS CORP., Owner

By [Signature] Consultant  
(Title)