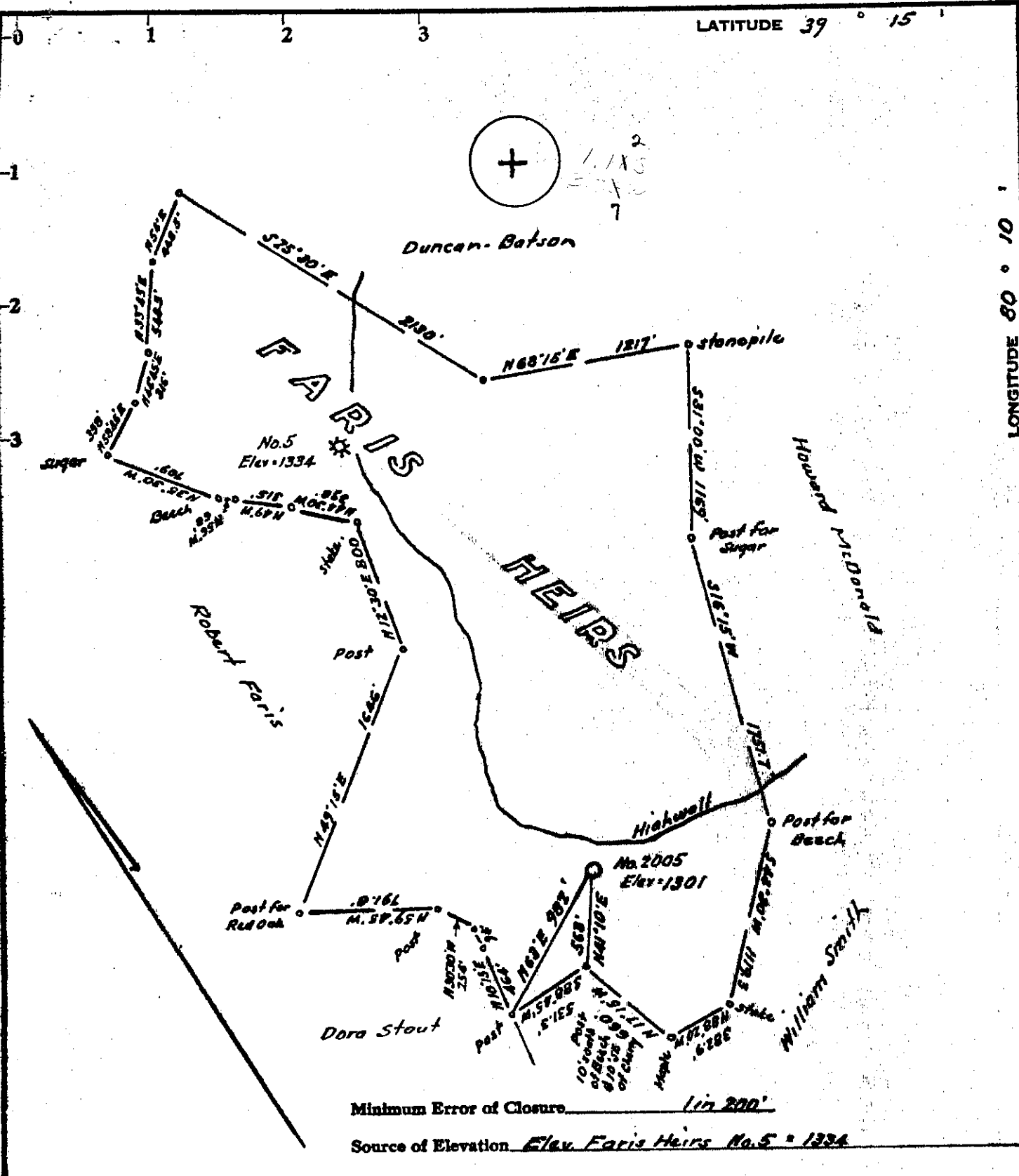


LATITUDE 39 ° 15'

LONGITUDE 80 ° 10'



- 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: M. S. H. J.  
Squares: N S E W

Company Petroleum Development Corp  
 Address P.O. Box, Bridgeport, W. Va.  
 Farm Farris Heirs  
 Tract Acres 229 Lease No. \_\_\_\_\_  
 Well (Farm) No. 2005 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1301  
 Quadrangle Philippi  
 County Harrison District Simpson  
 Engineer M. S. H. J.  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date August 14, 1971 Scale 1" = 800'

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

**WELL LOCATION MAP**  
 FILE NO. HAR - 581

+ 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.



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas  \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Phillipi

Permit No. HAR-581

Company Petroleum Development Corporation  
Address Box 26, Bridgeport, W. Va. 26330  
Farm Farris Heirs Acres 229  
Location (waters) Brushy Fork  
Well No. 2005 Elev. 1301  
District \_\_\_\_\_ County \_\_\_\_\_  
The surface of tract is owned in fee by Farris Heirs

Address Bridgeport, W. Va.  
Mineral rights are owned by Farris Heirs  
Address Bridgeport, W. Va.

Drilling Commenced 9-1-71  
Drilling Completed 11-11-71  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 225M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 14 hrs. before test. 620 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <del>30</del> 16			
Cond. <u>10"</u>	30	30	
9 5/8	204		65 sk.
8 5/8	1099		
7			
5 1/2		2280	175 sks. Cement
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated 10 holes (2182 to 2193) - 12 holes (2044 to 2047) - 5 holes (1680 to 1688) - 5 holes (1660 to 1662)  
Gorden 18,000# Sand 21,000 gal. water  
Gantz 10,000# Sand 16,000 gal. water  
Big Injun 2,000# Sand 25,000 gal. water

Coal was encountered at 75' to 79' 4 Feet 170' to 175' 5 inches feet  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Gantz - Gorden & Big Injun Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	5		
Sand			5	10		
Clay - yellow			10	20		
Slate & Shells			20	75		
Coal			75	79		
Lime Shells			79	170		
Coal			170	175		
Slate & Shells			175	190		
Lime			190	200		
Shale			200	218		
Red Rock			218	237		
Shale			237	275		
Sand			275	290		
Slate & Shells			290	400		
Sand			400	415		
Red Rock			415	425		
Shale			425	517		
Sand			517	530		
Shale			530	625		
Sand			625	655		
Shale			655	700		
Sand			700	715		
Lime Shells			715	720		

(over)

icates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet <sup>4</sup>	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			720	760		
Shale			760	817		
Sand			817	855		
Lime Shells			855	900		
Sand			900	930		
Shale			930	1095		
Sand			1095	1115		
Shale - sandy			1115	1145	water	1145
Sand			1145	1214		
Lime Shells			1214	1258		
Sand			1258	1305		
Lime			1305	1416		
Lime - Red			1416	1470		
Shale			1470	1508		
Sand			1508	1516		
Lime - Big Lime			1516	1600		
Sand - Keener			1600	1648		
Red Lime			1648	1652		
Sand - <u>Big Injun</u>			1652	1682		
Lime Shells			1682	1998		
<u>Sand - Gante</u>			1998	2069	gas	2044 - 50
Lime Shells			2069	2087		
Sand			2087	2137		
Lime			2137	2153		
<u>Sand - Gordon</u>			2153	2195		
Shale			2195	2250		
Red Shale			2250	2306		
Lime Shells			2306	2455		
Sand <u>Fifth</u>			2455	2471		
Shale			2471	2529		
Sand			2529	2557		
Shale			2557	2579		

Date 7/1 1919

APPROVED [Signature] Owner

By [Signature]  
(Title)