

LONGITUDE 79° 40'

Minimum Error of Closure 1' in 200'

Source of Elevation BM 2 mi. North of Hope Well Church Standard

Tablet Stamped "54 RHP" "BM 1702.3" Elev. 1702.305

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: A.C. Hilbert
Squares: N S E W

Map No. Issued 7-5-69

Company	PENNZOIL UNITED, INC.		
Address	P. O. Box 1588, Parkersburg, W. Va.		
Farm	David Harshbarger		
Tract	Acres	Lease No.	31596(M&H)
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	1718.65		
Quadrangle	Bruceton Mills	J.E. N.W.	
County	Preston	District	Grant
Engineer	<u>A.C. Hilbert</u>		
Engineer's Registration No.	2534		
File No.	1495	Drawing No.	
Date	May 29, 1969	Scale	1" = 800'

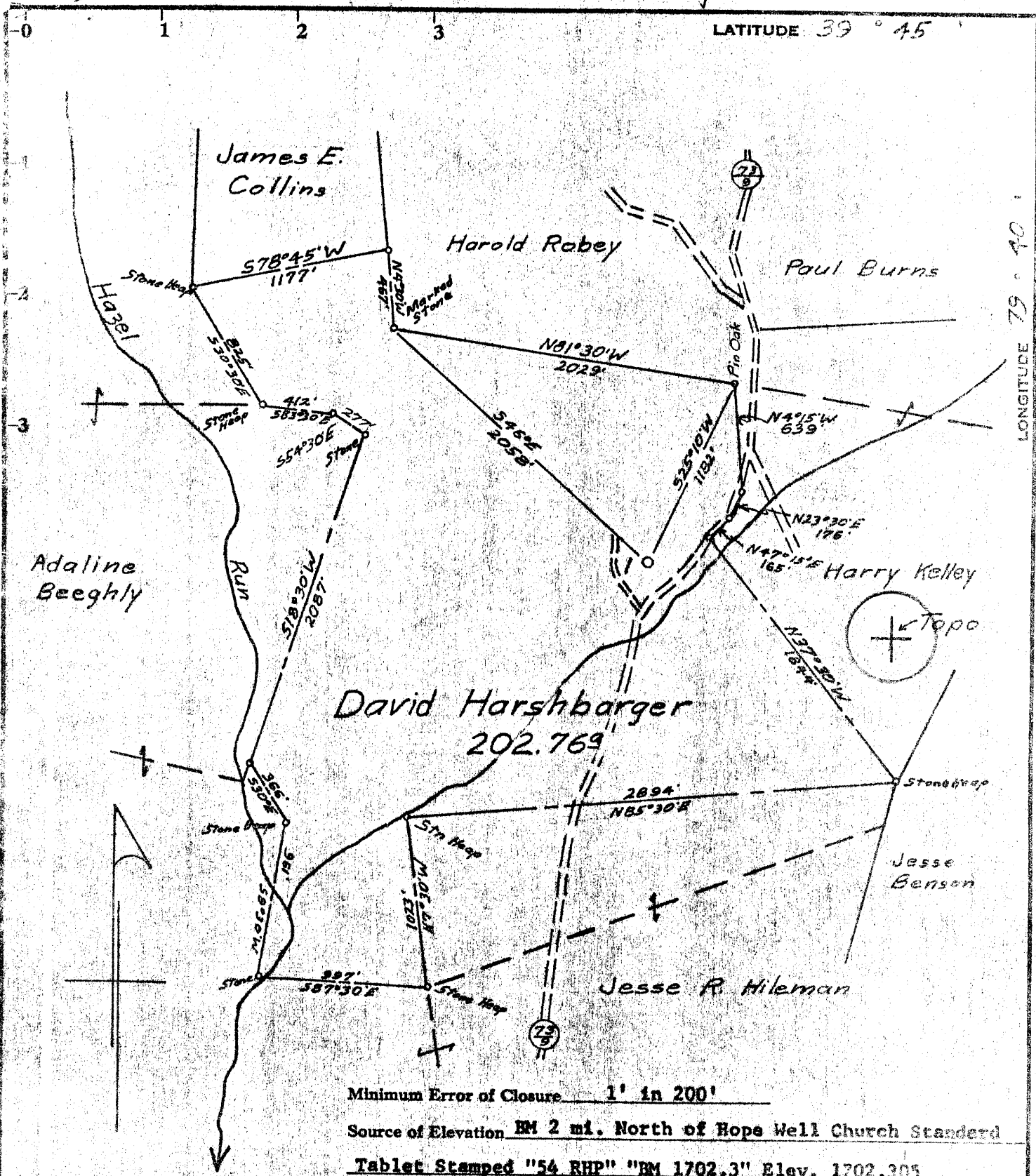
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. PRES-136-P

+ 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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Signed: A. C. Hillbert

Map No. _____

Squares: N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Company	PENNZOIL UNITED, INC. 624	
Address	P. O. Box 1588, Parkersburg, W. Va.	
Farm	David Harshbarger	
Tract	Acres 202.75	Lease No. 31596(ML&H)
Well (Farm) No.	1	Serial No.
Elevation (Spirit Level)	1718.65	
Quadrangle	Bruceton Mills	NW
County	Preston	District Grant
Engineer	<u>A. C. Hillbert</u>	
Engineer's Registration No.	2534	
File No.	1495	Drawing No.
Date	May 29, 1969	Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. PRES-136

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

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well **D&A**
(KIND)

Quadrangle BRUCETON MILLS
Permit No. PRES-136

WELL RECORD

Company PENNZOIL UNITED, INC.
Address P.O. Box 1583, Parkersburg, W. Va.
Farm David Harshbarger Acres 202.75
Location (waters) _____
Well No. 1 Elev. 1718.65
District Grant County Preston
The surface of tract is owned in fee by David Harshbarger
Box 12, R. D. #1, Bruceton Mills, W. Va.
Mineral rights are owned by David Harshbarger
Box 12, R. D. #1, Bruceton Mills, W. Va.
Drilling commenced June 29, 1969
Drilling completed July 4, 1969
Date Shot _____ From _____ To _____
With _____

Casing and Tubing Size	Used in Drilling	Left in Well	Packers
16			Kind of Packer
13-3/8"	28.30		Size of
10-8-5/8"	1117.08		Depth set
8 1/4"			Perf. top
6 3/4"			Perf. bottom
5 3/16"			Perf. top
4 1/2"			Perf. bottom
3"			
2"			
Liners Used			

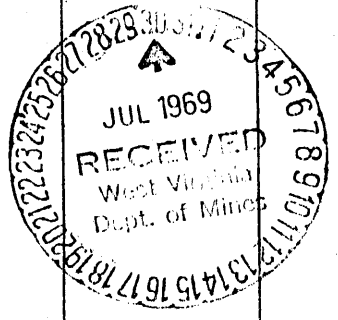
Open Flow 1/10ths Water in _____ Inch
1/10ths Merc. in _____ Inch
Volume Dry Hole Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Attach copy of cementing record.
CASING CEMENTED 13-3/8" SIZE 15 No. Ft. 6-29-69 Date
8-5/8" SIZE 1016 7-1-69
Amount of cement used (bags) 13-3/8" Cemented by Union Dr
Name of Service Co. 8-5/8" - By Halliburton
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet _____
Producing Sand _____ Depth _____

Dry Hole
_____ HOURS
Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	2			
Sand			2	18			
Shale			18	80			
Sand & Shale			80	139			
Coal			139	142			
Sand & Shale			142	155			
Sand			155	277			
Shale			277	342			
Sand			342	424			
Sand & Shale			424	459			
Shale			459	758			
Big Lime			758	814			
Big Injun ³⁶⁵			814	845			
Sand, broken			845	882			
Sand			882	1022			
Shale			1022	1042			
Lime			1042	1072			
Sand			1072	1220			
Shale			1220	1254			
Sand & Shale			1254	1594			
Red Rock,							
Sand & Shale			1594	1615			
Sand & Shale			1615	2209			
Sand Speechley			2209	2255			
Shale			2255	2327			
Sand & Shale			2327	2701			
Sand Balltown (?)			2701	2744			
Sand & Shale			2744	3146			
Total Depth				3146			



* Dry Hole - Well Plugged
* See PI Completion Rpt on reverse side

AUG 11 1969