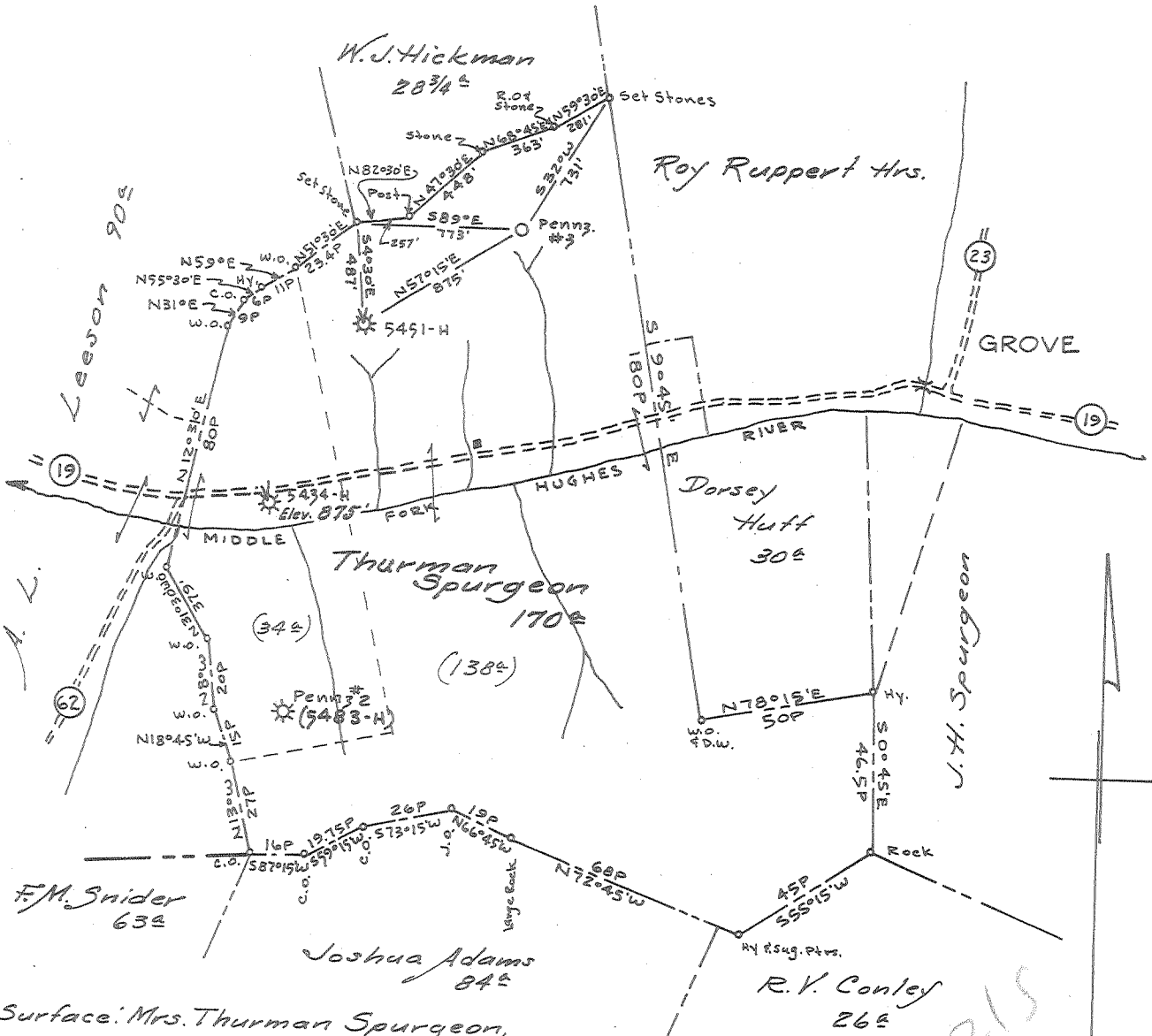


LATITUDE 39° 10'

LONGITUDE 80° 45'

+ Topo



Surface: Mrs. Thurman Spurgeon, Auburn, W. Va.

Coal: No Commercial Coal.

Minimum Error of Closure 1' in 200'

Source of Elevation Taken from H.N.G. Co. Well # 5434-H (Abd. Permit

Dodd. 1052-A) Elev. 875' ground.

- 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: *A.C. Hillbert*

Map No. 647

Squares: N S21 E W 9-10

Company PENNZOIL COMPANY
 Address P. O. BOX 1588, PARKERSBURG, W. VA.
 Farm Thurman Spurgeon
 Tract _____ Acres 170^{ac} Lease No. 71767
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 1040.86' ground
 Quadrangle HOLBROOK EC
 County DODDRIDGE District COVE
 Engineer A.C. Hillbert
 Engineer's Registration No. 2534
 File No. 1416 Drawing No. _____
 Date July 27, 1965 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. DOD 1283

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

Rotary
Spudder
Cable Tools
Storage

Quadrangle HOLBROOK
Permit No. DOD-1283

WELL RECORD

Oil or Gas Well Gas well
(KIND)

Company PENNZOIL COMPANY
Address P. O. Box 1588, Parkersburg, W. Va.
Farm Thurman Spurgeon Acres 170
Location (waters) _____
Well No. 3 Elev. 1040.86'
District Cove County Doddridge
The surface of tract is owned in fee by Mrs. Thurman Spurgeon
Address Auburn, W. Va.
Mineral rights are owned by LaVaughn Wolverton, et al
Address West Union, W. Va.

Drilling commenced August 7, 1965
Drilling completed August 17, 1965
Date Shot - From - To -
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Show Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil Show bbls., 1st 24 hrs.
WELL ACIDIZED -

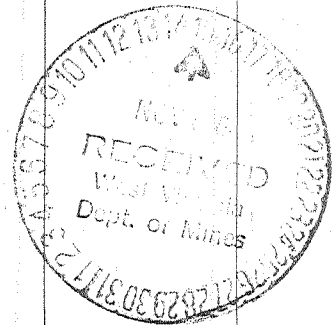
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16 8-5/8"	409.7'	409.7'	Kind of Packer
13 5-1/2"	2035.6'	2035.6'	Steel Shoe
10 2-3/8"	1996'	1996'	Float Collar
8 1/4"			Guide Shoe
6 5/8"			Size of
5 3/16"			8-5/8"
3"			5-1/2"
2"			Depth set
Liners Used			421'
			1993'
			2018'
			Perf. top 1974.5'
			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED 8-5/8" SIZE 421' No. Ft. 8-9-65 Date
5-1/2" 2018' 8-18-65

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

WELL FRACTURED August 22, 1965 Used: 46326 Gals. Water - 300 Gals. Mud Acid - 20 Gals F-40 - 40 Gals. Freflo - 400# J-84 200# J-111 - 1/2 Gal. Allo - 60,000# Sand
RESULT AFTER TREATMENT Gas: 30/cu. ft. Oil: 75 Bbls.
ROCK PRESSURE AFTER TREATMENT 320#
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Silts & Shale			0	80			
Sand			80	95			
Silts			95	128			
Sand			128	145			
Silts			145	288			
Sand			288	342			
Silts & Shale			342	460			
Lime			460	470			
Shale			470	640			
Silts & Shale			640	1005			
Sand			1005	1020			
Silts & Shale			1020	1150			
Sand			1150	1165			
Silts & Shale			1165	1190			
Sand			1190	1210			
Shale			1210	1232			
Sand			1232	1265			
Shale			1265	1418			
Clean Sand			1418	1560			
Silty Sand			1560	1590			
Shale			1590	1635			
Sand			1635	1682			
Shale			1682	1786			
Little Lime			1786	1800			
Shale Break			1800	1806			
Blue Monday			1806	1822	Oil	1810-20	S. Show
Pencil Cave			1822	1830			
Big Lime			1830	1882			
Big Injun			1882	1970	Oil	1932-38	Show
					Oil	1952-68	Show (Pay)



Formation	Color	Hard or Soft	Top 10	Bottom	Oil, Gas or Water	Depth Found	Remarks
lts & Shale le TOTAL DEPTH			1970 2007	2007 2018 2018			

Date November 11, 1965

APPROVED PENNZOIL COMPANY, Owner

By A. C. Hilbert
A. C. Hilbert (Title) Engineer