

MINIMUM ERROR OF CLOSURE $\frac{1}{200}$

SOURCE OF ELEVATION V. S. COAST & GEODETIC SURVEY BM

J-81, CONCRETE BRIDGE ON B&O RR. ELEV. - 815.468'

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."

A. A. PURSLEY, JR. PURSLEY'S PULLING & WELL SERVICE

Company HARVEY L. STARR
 Address Box 51, LEROY, W.VA., 25252
1204-16th St., PARKERSBURG, W.VA.

Farm GERTIE TOWNER

Tract _____ Acres 14 ± Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 922.8'

Quadrangle WEST UNION SE

County DODDRIDGE District CENTRAL

Engineer Warren S. Frank

Engineer's Registration No. 3688

File No. _____ Drawing No. _____

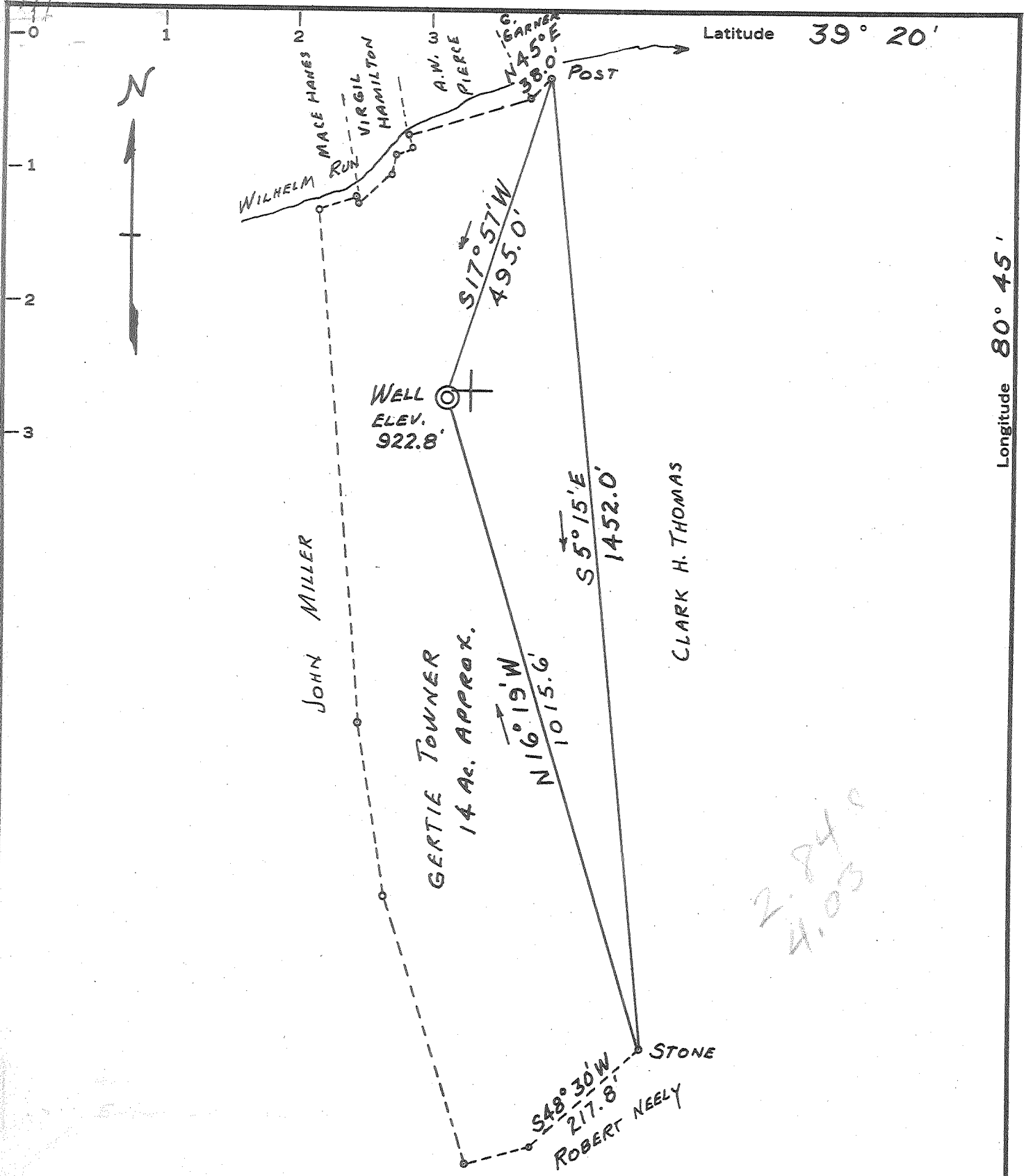
Date AUG. 21, 1964 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. DOD-1126-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.



MINIMUM ERROR OF CLOSURE $\frac{1}{200}$

SOURCE OF ELEVATION U. S. COAST & GEODETIC SURVEY BM

New Location J-81, CONCRETE BRIDGE ON B&O RR. ELEV. - 815.468

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."

Company HARVEY L. STARR

Address 1204-16TH ST., PARKERSBURG, W. VA.

Farm GERTIE TOWNER

Tract _____ Acres 14 ± Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 922.8'

Quadrangle WEST UNION - SE

County DODDRIDGE District CENTRAL

Engineer Warren S. Frank

Engineer's Registration No. 3688

File No. _____ Drawing No. _____

Date AUG. 21, 1964 Scale 1" = 200'

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

WELL LOCATION MAP
FILE NO. DOD-1176

+ 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 4

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union

Permit No. DOD-1176

WELL RECORD

Oil or Gas Well Combination
(KIND)

Company Harvey L. Starr
Address 920 Market St., Parkersburg, W. Va.
Farm Gertie Towner Acres 14
Location (waters) Wilhelm
Well No. 1 Elev. 922.8'
District Central County Doddridge
The surface of tract is owned in fee by Ted Towner
Central Station Address West Virginia
Mineral rights are owned by William Rollins, H. G.
Mary Lou Hardbarger, his wife, and
G. P. Hudson Heifs Address _____
Drilling commenced September 14, 1964
Drilling completed October 13, 1964
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 800,000 Cu. Ft.
Rock Pressure 700 lbs. 24 hrs.
Oil Slight Show bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	546'		Size of
8 1/4	1032'		
6 3/4			Depth set
5 1/2 4 1/2	2061'	2061'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

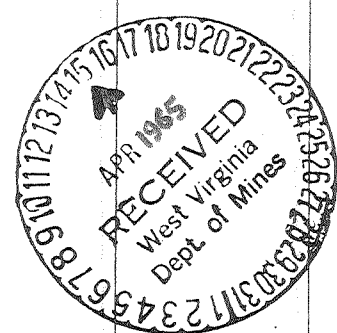
CASING CEMENTED 4 1/2 SIZE 2072 No. Ft. 10-15-64 Date
LAWSON - 100 SRS cem 4 6 Gel
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED October 29, 1964

RESULT AFTER TREATMENT 10 BBLs. Oil - 3 Million Cubic Feet of Gas
ROCK PRESSURE AFTER TREATMENT 700 lbs.

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	4			
Sand			4	52			
Shale			52	65			
Sand			65	70			
Red Rock			70	75			
Sand			75	85			
Red Rock			85	100			
Slate			100	125			
Sand			125	150			
Red Rock			150	203			
Sand			203	214			
Red Rock			214	240			
Sand			240	250			
Red Rock			250	272			
Sand			272	283			
Red Rock			283	320			
Blue Lime			320	341			
Sand			341	390			
Lime			390	420			
Limey Hard			420	440			
Red Rock			440	460			
Sandy			460	465			
Sand			465	500			
Lime			500	510			
Shale			510	518			
Sand			518	548			



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			548	597			
Shale			597	605			
Sand			605	620			
Lime			620	670			
Slate			670	705			
Red Lime			705	722			
Red Rock			722	792			
Lime			792	845			
Red Rock			845	929			
Sand			929	950			
Red Rock			950	982			
Sand			982	1014			
Slate			1014	1032			
Slate			1032	1058			
Sand			1058	1100			
Slate			1100	1125			
Sand			1125	1139			
Red Rock			1139	1310			
Sand			1310	1365			
Slate			1365	1458			
Sand			1458	1583			
Shale			1583	1610			
Slate			1610	1634			
Lime			1634	1645			
Sand			1645	1650			
Lime			1650	1683			
Slate			1683	1690			
Sand			1690	1725			
Lime			1725	1730			
Sand			1730	1795			
Red Rock			1795	1825			
Sandy Shale			1825	1842			
Pencil Cave			1842	1851			
Big Lime			1851	1927			
Keener Sand			1927	1951			
Big Injun Sand			1951	2007			
Shale			2007	2061			
Total Depth				2061			

Date April 13, 1965

APPROVED Harvey P. Stan, Owner

By _____ (Title)