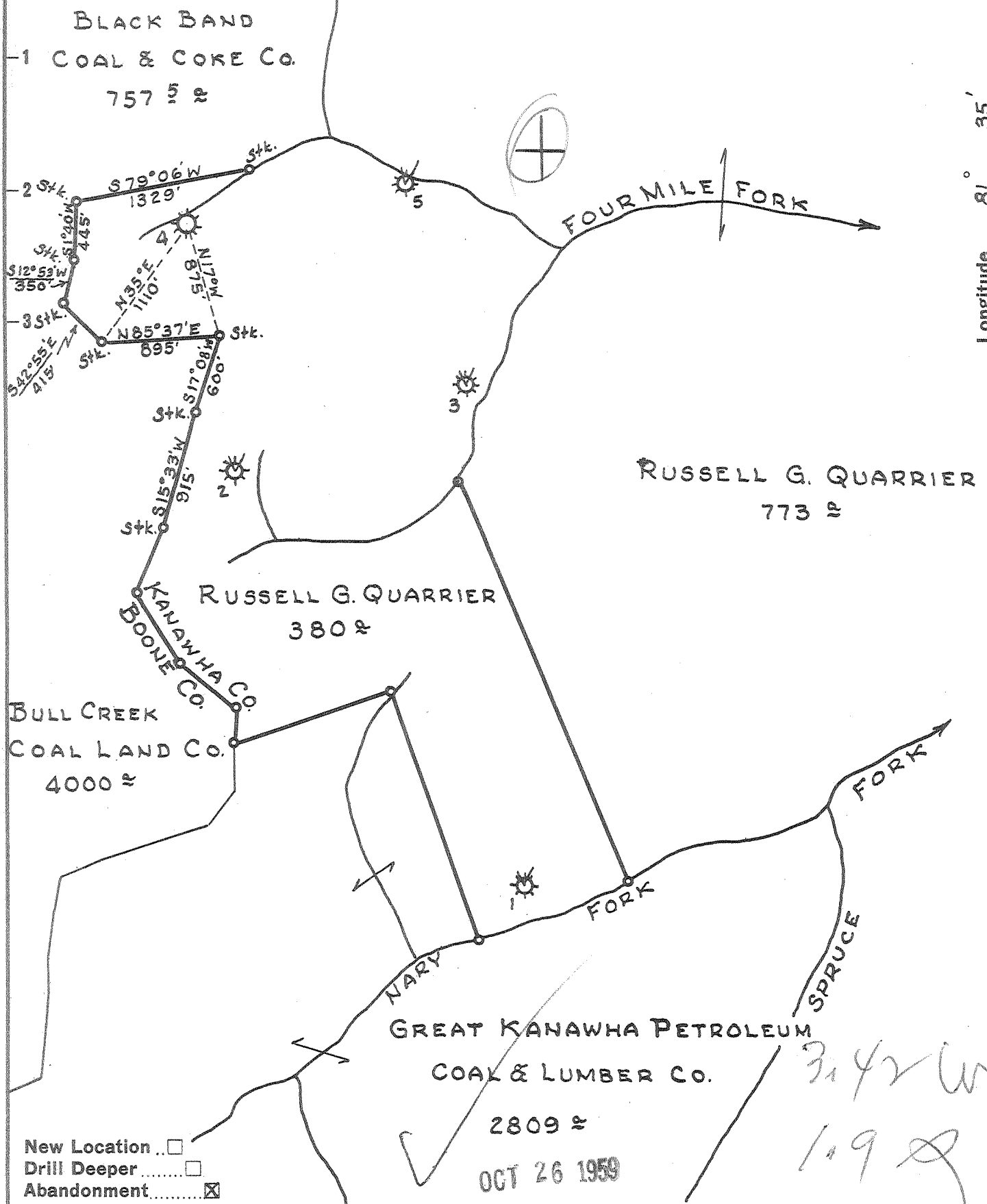


Latitude 38° 15'

Longitude 81° 35'



Company PACK & JACKSON
 Address HAMLIN, W. VA.
 Farm R. G. QUARRIER
 Tract _____ Acres 380 Lease No. 170
 Well (Farm) No. 4 Serial No. 184-F7104
 Elevation (Spirit Level) 1113.6
 Quadrangle PEYTONA
 County KANAWHA District LOUDON
 Engineer PAUL E. JOACHIM
 Engineer's Registration No. 669
 File No. 60-49 Drawing No. _____
 Date SEPT. 15, 1959 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. KAN-1289-A

+ 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.

R. G. QUARRIER No. 4 (184-F-7104) - PACK & JACKSON - KAN-1289-A



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

206
224

WELL RECORD

Permit No. *Permit Jacob*
1789-A

Oil or Gas Well Gas
(KIND)

Company Owens Bottle Co. (Owens, Libbey-Owens Gas Co.)
Address P. O. Box 4158, Charleston, W. Va.
Farm R. G. Quarrier Acres 380
Location (waters) _____
Well No. 4 (Serial #184) Elev. 1113.6
District Loudon County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced Oct. 6, 1924
Drilling completed Dec. 5, 1924
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			<u>anchor</u>
10	<u>291'</u>	<u>291'</u>	Size of <u>2 x 6 5/8"</u>
8 1/4	<u>856'</u>	<u>None</u>	
6 5/8	<u>1390'</u>	<u>1390'</u>	Depth set <u>1420'</u>
5 3/16			
3			Perf. top _____
2	<u>1616'</u>	<u>1616'</u>	Perf. bottom _____
Liners Used			Perf. top _____
<u>14" Conductor 16'</u>		<u>16'</u>	Perf. bottom _____

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 346 MCF Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 95 FEET _____ INCHES
130 FEET _____ INCHES 160 FEET _____ INCHES
260 FEET _____ INCHES 325' FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gravel			0'	15'			
Sand			15'	60'			
Slate			60'	65'	Water	50'	
Sand			65'	95'			
Coal			95'	97'			
Slate			97'	105'			
Sand			105'	130'			
Coal			130'	133'			
Slate			133'	145'			
Sand			145'	150'			
Slate			150'	160'			
Coal			160'	163'			
Slate			163'	205'			
Sand			205'	260'			
Coal			260'	265'			
Slate			265'	280'			
Sand			280'	315'			
Slate			315'	320'			
Sand			320'	325'			
Coal			325'	330'			
Slate			330'	340'			
Sand			340'	380'			
Slate			380'	425'			
Sand			425'	435'			
Slate			435'	440'			
Sand			440'	465'			
Slate			465'	468'			
Britty Lime			468'	480'			
Sand			480'	560'			
Slate			560'	660'			
Sand			660'	790'			
Slate			790'	815'			
Sand			815'	880'			
Slate			880'	905'			
Salt Sand			905'	1110'	Water	935'	Hole full
Red rock			1110'	1120'			
Slate			1120'	1130'			
Lime			1130'	1145'			

RECEIVED
OCT 1959
WEST VIRGINIA
DEPT. OF MINES

NOV 1959
RECEIVED
WEST VIRGINIA
DEPT. OF MINES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
late			1145'	1185'			
ed rock			1185'	1190'			
ritty Lime			1190'	1220'			
axton Sand			1220'	1300'			
late			1300'	1315'			
ittle Lime			1315'	1350'			
encil Cave			1350'	1355'			
ig Lime			1355'	1573'	Gas	1442'	
ig Injun			1573'	1603'	Gas	1531'	
otal depth				1603'			346,000 Cu. Ft.

Date _____, 19__

APPROVED _____, Owner

By _____ (Title)