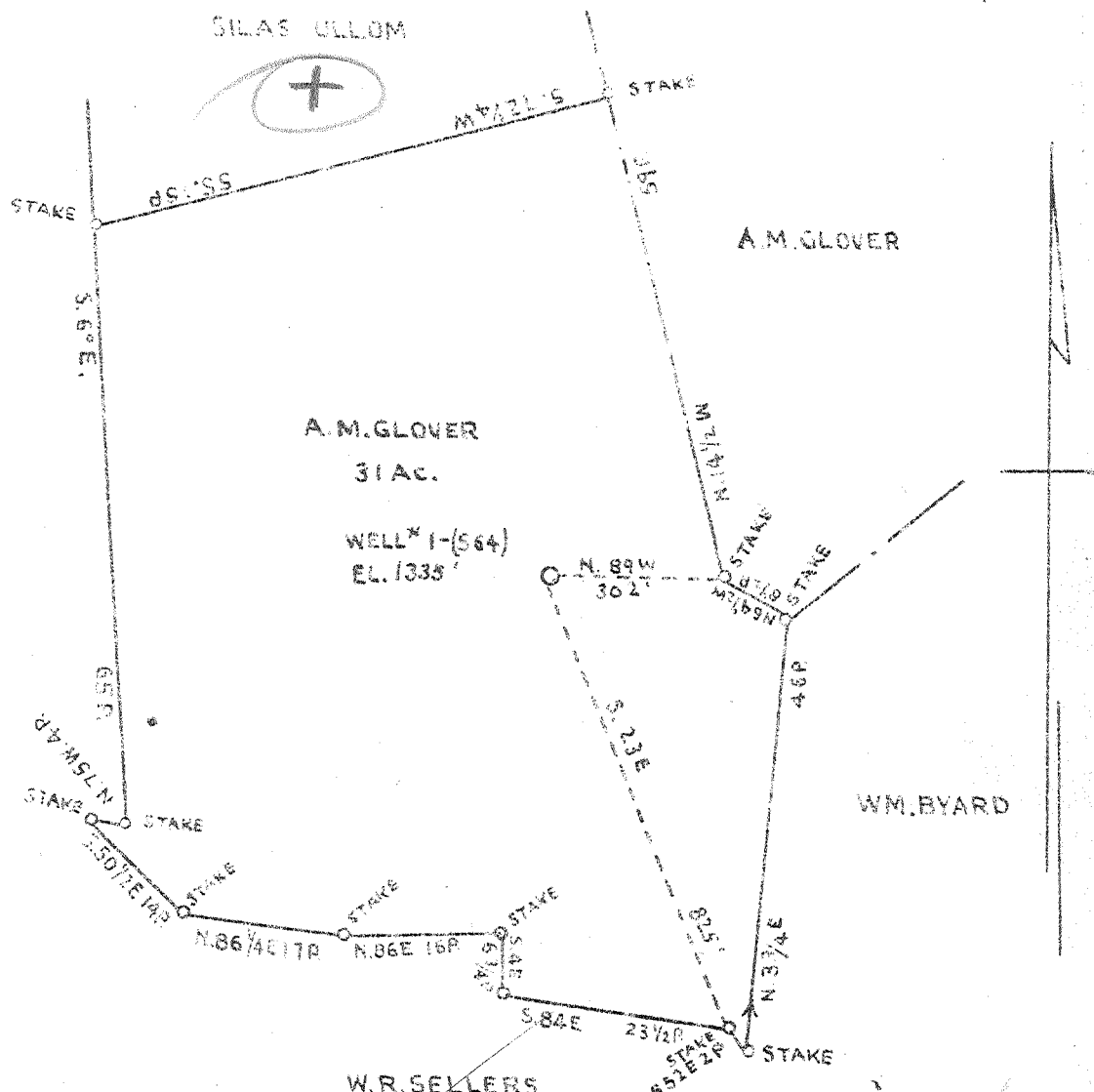


1
2
3



COAL OWNED BY UNION TRUST CO. OF PITTSBURGH PA.

WELL LOCATION
 WELL DEEPER
 SANDONMENT

3.40 S
 4.21 W
 OCT 17 1944
 X.3 W
 3.42 W

COMPANY... NATIONAL SUPPLY COMPANY
 ADDRESS... LOGAN OHIO
 NAME... A.M. GLOVER
 TRACT ACRES 31 LEASE... NONE
 WELL (FARM) NO 4 SERIAL... 1-(564)
 ELEVATION (SPIRIT LEVEL) 1335'
 TOWNSHIP... MANNINGTON
 COUNTY... MARION DISTRICT MANNINGTON
 ENGINEER... *J. L. ...*
 SURVEYOR'S REGISTRATION NO.
 DATE... MARCH 24 1944
 DEPARTMENT NO U-1-260
 SCALE 1" = 800'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. MAR-405-A
 DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP...
 DENOTES LOCATION SPACES ON BORDER LINE OF ORIGINAL TRACING.

A.M. GLOVER 10A (158A) - NATIONAL SUPPLY CO. - MAR-405-A

Mannington District, Marion County, W. Va.
 Venture Oil Co.
 Elevation, 1160' B.
 Near Glover Gap.

405-A NOW

	Top.	Bottom.
Unrecorded (gas in shale at 425')	0	440
Coal, Washington	440	442
Unrecorded (gas in shale at 518')	442	573
Sand, Bluff (Waynesburg)	573	598
Coal, Fairview (Waynesburg)	600	603
Coal, Mapletown (Sewickley)	858	863
Coal, Pittsburgh	952	958
Sand, Murphy? (Minshall) (Connellsville)	1066	
Sand, Little Dunkard? (Saltsburg)	1355	
Sand, Big Dunkard (Mahoning)	1435	1494
Sand, Lower Freeport	1594	1645
Gas? Sand, Homewood and Upper Conno- quenessing	1706	1843
Red rock	2040	2065
Red rock	2085	2145
Limestone and unrecorded	2145	2163
Big Lime	2163	2250
Sand, Big Injun (gas, 2272'; oil and water, 2342')	2250	2408
Sand, 50-Ft.	2872	2956
Sand, 30-Ft. (oil, 2985' and 2990')	2985	3001
Total depth		3001



481

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

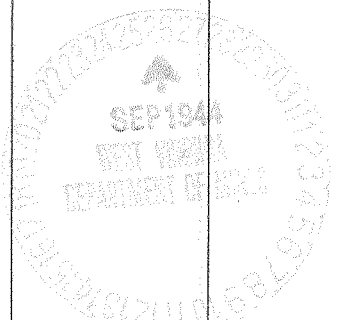
Permit No. 705-A Oil or Gas Well Oil
(KIND)

Company National Supply Company
 Address Logan, Ohio
 Farm A. M. Glover Acres 31
 Location (waters) _____
 Well No. 1-564 Elev. 1335 ft.
 District Mannington County Marion
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by National Supply Company
 Address Logan, Ohio
 Drilling commenced November 26, 1910
 Drilling completed January 10, 1911
 Date Shot 1/12/11 From _____ To _____
 With 20 quarts
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	368'-2"		Size of
8 3/4	1452'	1452'	
6 5/8	2196'	2196'	Depth set
5 3/16	2527'	2527'	
3			Perf. top
2	2990'	2990'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 600 FEET 48 INCHES
858 FEET 60 INCHES 952 FEET 96 INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Fairmont Coal			600	604			
Mapletown Coal			858	863			
Pittsburgh Coal			952	960			
Murphy Sand			1016	1116			
Cave			1150	1355			
Little Dunkard			1355	1420			
Big Dunkard			1439	1494			
Gas Sand			1706	1843			
Little Lime			2145	2160			
Pencil Cave			2160	2163			
Big Lime			2163	2250			
Big Injun			2250	2408			
Fifty Foot Sand			2872	2956			
Thirty Foot Sand			2987	2995			
Total Depth				3001			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date Sept 23, 1944

APPROVED The National Supply Company, Owner

By *M. Williams*
(Title) Agent