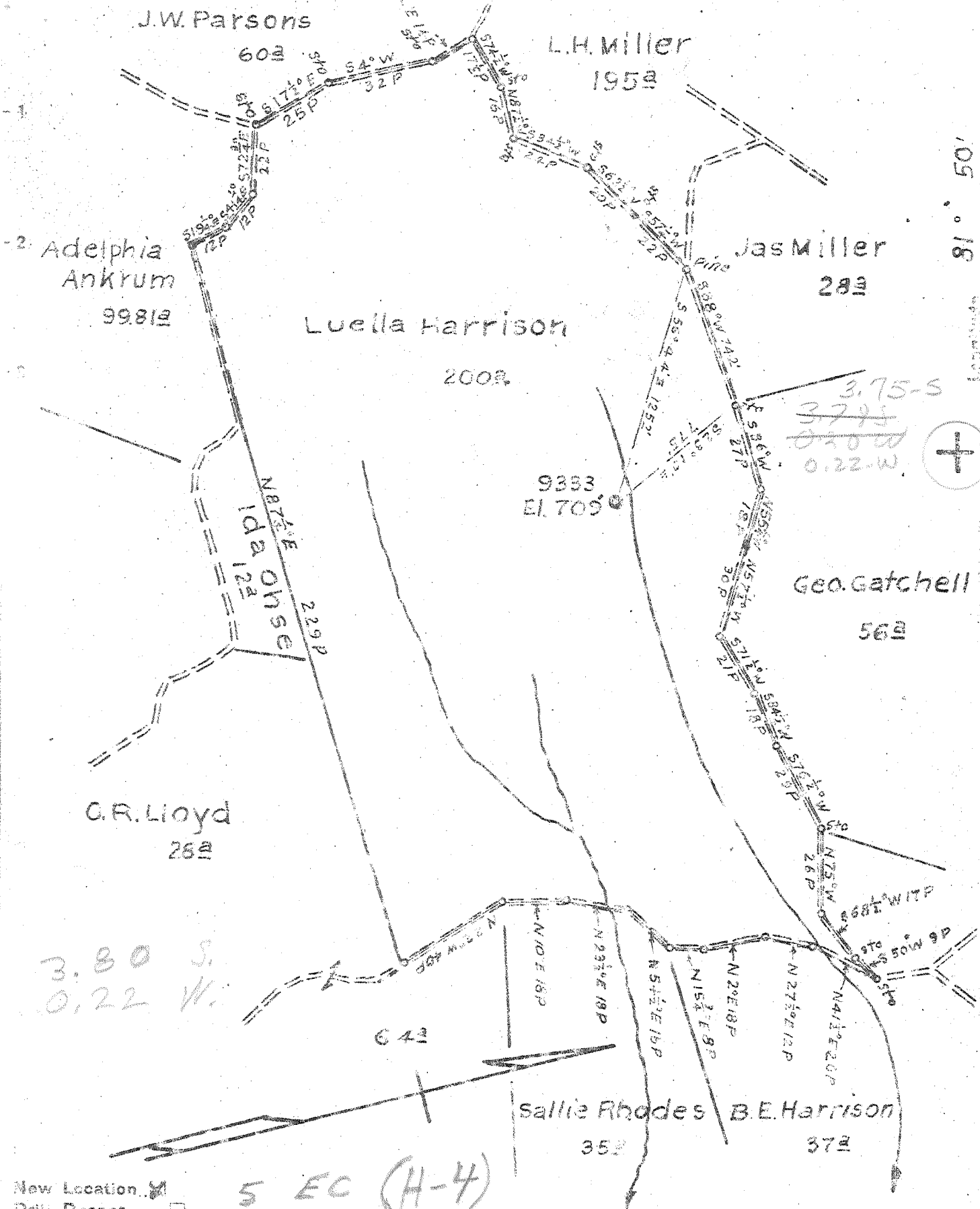


Latitude 38° 55'



Longitude 81° 50'

New Location
 Drill Deeper
 Abandonment

5 EC (H-4)

Map Sh 43 W 53 S W 68 FB 922 P. 1

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm Luella Harrison
 Tract _____ Acres 200 Lease No. 50130
 Well (Farm) No. _____ Serial No. 9353
 Elevation (Spirit Level) 709'
 Quadrangle Ravenswood - C
 County Jackson District Union
 Engineer W.M. Bowers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 1-12-49 Scale 1" = 40 P

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

WELL LOCATION MAP
 FILE NO. AC-657

+ 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 lines of original tracing.

SH 43 W 53 S W 68 FB 922 P. 1
 27-D40 (0-431) 3-0 159- Deep Well - 2375

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Jac 657
Ravenswood Quad.

Gas Well
CASING & TUBING

Company	Hope Natural Gas Company			
Address	445 West Main St., Clarksburg, W.Va.	16	20	20
Farm	Luella Harrison Acres 200	13	400	400
Location		10	953	953
Well No.	9333 Elev. 709	8 1/2	2172	2172
District	Union Jackson County	6 5/8	2193	2193
Surface				
Mineral				
Commenced	Feb. 8, 1949	Casing cemented:		
Completed	June 7, 1949	7" set in 45 bags		
Depth shot	3515 to 3715 with gel.	cement		
Volume	734,000 C.F.	Coal at 523' 48"		
Rock Pressure	800#			
Salt Water	1032' - 1042'; 1215'; 1300' H.F.			

Surface	0	70	Slate Shell	1840	1870
Red Rock	70	75	Hard Lime	1870	1977
Lime	75	100	Slate Shell	1977	2135
Slate	100	110	Br. Shale	2135	2149
Sand	110	117	Zerea	2149	2160
Slate	117	200	Slate	2160	2168
Sand	200	240	Lime	2168	2180
Red Rock	240	250	Slate Shell	2180	3274
Sand	250	265	Br. Shale - 441	3274	3360
Red Rock	265	275	Slate Shell	3360	3515
Lime	275	295	Brown Shale	3515	3715
Slate	295	305	White Slate	3715	4090
Red Rock	305	334	Br. Shale	4090	4219
Slate	334	365	Corniferous - 463	4219	4271
Red Rock	365	385	Oriskany	4271	4298
Slate	385	397	Total Depth		4314
Lime	397	403	Gas 2858	(475)	
Slate	403	410	Show gas 3350		
Sand	410	415	Gas 3520-58-80-85-97		
Slate	415	441	Show gas 4275		
Lime	441	448			
Red Rock	448	460	Hole plugged back to 3715' by filling		
Sand	460	485	with clay mud to 4251 and place cement		
Slate	485	495	plug. Continued filling with stone and		
Red Rock	495	508	mud to 3715'		
Slate	508	523			
Coal	523	527			
Slate	527	540			
Red Rock	540	560			
Slate	560	570			
Sand	570	576			
Red Rock	576	585			
Slate Shell	585	620			
Red Rock	620	670			
Slate Shell	670	780			
Sand	780	838			
Slate	838	845			
Pink Rock	845	854			
Slate Shell	854	875			
Lime	875	890			
Slate	890	948			
First Salt	948	1085			
Slate	1085	1144			
Second Salt	1144	1320			
Slate	1320	1423			
Third Salt	1423	1475			
Slate	1475	1500			
Maxon - 4th Salt	1500	1568			
Big Lime	1568	1670			
Slate	1670	1692			
Keener	1692	1700			
Bl. Lime	1700	1728			
Big Injun	1728	1840			

4298
4291
89

4219	4271	4298
709	709	709
3519	3562	3589

1085
948
137

1320
1423
1475

1728
1568
1840

4314
3715
599 - expl ftg

} 340