

New Location
 Drill Deeper
 Abandonment

TRUE MERIDIEN COURSES SHOWN
 TRACT PLOTTED FROM DEED DESCRIPT.

Company ROTARY DEVELOPEMENT CORP.
 Address 806 FIDELITY UNION LIFE BLDG., DALLAS, TEXAS
 Farm NEW GAULEY COAL CORP.
 Tract G-4 Acres _____ Lease No. _____
 Well (Farm) No. 1-A Serial No. _____
 Elevation (Spirit Level) 2551.54
 Quadrangle RICHWOOD, W. YA. NC
 County NICHOLAS District KENTUCKY
 Engineer BERNARD G. SAMPSON
 Engineer's Registration No. 233
 File No. _____ Drawing No. _____
 Date 30 NOV. 1956 Scale 1" = 2000'

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

WELL LOCATION MAP
 FILE NO. NIC-194

+ 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.

Samples 11-H (0'-6296', 7455-7834) Deepwell



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Quadrangle Richwood, W. Virginia

WELL RECORD

Permit No. NIC-194

Oil or Gas Well Wildcat
(KIND)

Dry Hole

Company Rotary Development Corp.
Ambassador Oil Corp.
Address Dallas, Texas
Farm New Gauley Coal Corp. Acres 640
Location (waters) _____
Well No. 1-A Elev. 2551.5
District Kentucky County Nicholas
The surface of tract is owned in fee by New Gauley
Coal Corp. Address Summerville
Mineral rights are owned by New Gauley Coal Corp.
Address Summerville

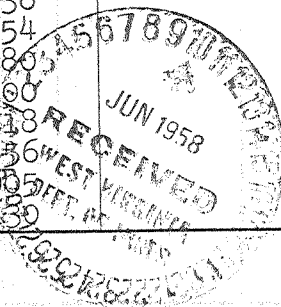
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	15'		Kind of Packer
13	675		None used
10	1995		Size of
8 1/4	2574		Depth set
6 3/8			
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 2-16-57
Drilling completed 2-1-58
Date Shot - From - To -
With _____
Open Flow 1/10ths Water in _____ Inch
1/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 162 FEET 0- INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water 115-125 Feet Salt Water 1985, 6353, 7135 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand	Brown	Hard	0	32	Dry		
Shale	Lt. gray	Soft	32	80	-	32	
Siltstone	Gray	Hard	80	100		80	
" w/sh strk	Gray	Hard	100	236		100	
Sand	White	Hard	236	250	Dry	236	
Siltst.	Dk. gray	Hard	250	270		250	
Shale	Gr. to Br.	Soft	270	353		270	Carbonaceous
Sand	Gray	Soft	353	365	Dry	353	
Shaly sd.	Gray	Soft	365	375		365	
Sand	Gray	Hard	375	378		375	
Shale	Gr to Bl.	Hard	378	443		378	
Sand	White	Hard	443	461		443	
Sh & silt stone	Gray to tan	Med.	461	634		461	
Sand	Gray	Hard	634	645		634	
Sh. & sdy shale	Gray to dk. tan	Hard	645	680		645	
Sand	Brown	Soft	680	689		680	
lmstone	White	Hard	689	700		689	
Slate	Gray	Hard	700	716		700	
Sand	Red	Soft	716	752		716	
Red Rock	Red	Hard	752	801		752	
Sand	Red	Soft	801	836		801	
Slate	Gray	Hard	836	854		836	
Gr. lm	"	Soft	854	880		854	
Slate	"	Hard	880	900		880	
Gr. lm	"	Soft	900	918		900	
Sand	Gray	Soft	918	956		918	
Slate	"	Hard	956	1005		956	
Red rock	Red	Hard	1005	1130		1005	



(over)

Deep Well

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sl & shells	Gray	Soft	1130	1145		1130	
Red rock	Red	Med.	1145	1170		1145	
Lime	Gray	Hard	1170	1180		1170	
Rock	Red	Hard	1180	1230		1180	
Sl & shells	Gray	Soft	1230	1239		1230	
Rock	Red	Hard	1239	1399		1239	
Lime	Red	Soft	1399	1456		1399	
Rock	Red	Hard	1456	1588		1456	
Lime	Red	Med.	1588	1620		1588	
Slate & sh.	Gray	Med.	1620	1628		1620	
Rock	Red	Hard	1628	1638		1628	
Lime	Red	Hard	1638	1687		1638	
Lime	Gray	Hard	1687	1698		1687	
Rock	Red	Hard	1698	1724		1698	
Lime	Red	Hard	1724	1802		1724	
Slate	Red	Hard	1802	1862		1802	
Lime	Gray	Med.	1862	1892		1862	
Slate	Gray	Soft	1892	1898		1892	
Lime	Gray	Hard	1898	1927		1898	
Sand	Red	Soft	1927	1990		1927	
Rock	Red	Hard	1990	1995		1990	
Lime	Gray	Soft	1995	2001		1995	
Sand	Gray	Soft	2001	2027		2001	
Lime	Gray	Hard	2027	2404		2027	
Lime	Red	Hard	2404	2427		2404	
Sand	Red	Hard	2427	2455		2427	
Lime	Gray	Soft	2455	2496		2455	
Sand	Gray	Soft	2496	2550		2496	
Brken sd.	Gray	Hard	2550	2565		2550	
Gr. Lime	Gray	Hard	2565	2575		2565	
Sl & shells	Dk. gray	Med.	2575	2639		2575	1870
Sand	Gray	Soft	2639	2732		2639	2750
Lime	Gray	Hard	2732	2788		2732	7350-70
Shale	Brown	Soft	2788	2815		2788	
Sl. & shells	Brown	Soft	2815	3068		2815	
Lime	Gray	Soft	3068	3086		3068	
Sl. & shells	Brown	Soft	3086	3574		3086	
Gr. lime	Brown	3574	4075			3574	
Sl. & shells	Brown	Soft	4075	4490		4075	
Gr. lime	Brown	Soft	4490	4522		4490	
Sl. & shells	Gray	Hard	4522	4993		4522	
Lime	Gray	Hard	4993	5168		4993	
Sl. & shells	Brown	Soft	5168	5341		5168	
Gr. Lime	Gray	Hard	5341	5523		5341	
Slate	Gray	Hard	5523	5564		5523	
Lime	Brown	Hard	5564	5609		5564	
Sl. & shells	Brown	Hard	5609	6353		5609	
Lime	Gray	6353	6510		Water	6353	
Sl. & shells	Gray	Soft	6510	6605		6510	
Lime	Gray	Soft	6605	6627	Gas	6605	
Sl. & shells	Gray	Soft	6627	7005	"	6627	
Bl. shale	Black	Soft	7005	7196	Water	7005	

Date _____, 19__

APPROVED _____, Owner

By _____ (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Richwood

WELL RECORD

Permit No. NIC-194-D

Oil or Gas Well DRY
(KIND)

Company Rotary Development Corp.
~~Ambassador Oil Corp.~~
Address Fort Worth, Texas
Farm New Gauley Coal Corp. Acres 640
Location (waters) Grassy Creek
Well No. 1-A Elev. 2551.5
District Kentucky County Nicholas
The surface of tract is owned in fee by New Gauley Coal Corp. Address Summerville
Mineral rights are owned by New Gauley Coal Corp. Address Summerville

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
18. <u>3/8"</u>	<u>206'</u>	<u>206'</u>	
10.			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
<u>4-1/2"</u>	<u>7780'</u>	<u>980'</u>	Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 2-16-57
Drilling completed 8-20-58
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED

CASING CEMENTED 4-1/2" size 1000# Ft. 13-3/8" Date
200 bags of cement cemented. 206'

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

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water Feet Salt Water 7682-86, 7574-90, 7512-26 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Shale			7005	7380			
✓ Lime and Chert			7380	7522			
✓ Sand			7522	7587			
✓ Cherty Lime, <u>Hard</u> Some Shale - Calcareous Sand			7587	7840 T.D.			
				<u>2552</u>			
				<u>5298</u>			
				<u>7380</u>	<u>7522</u>	<u>7587</u>	
				<u>2552</u>	<u>2552</u>	<u>2552</u>	
				<u>4828</u>	<u>4970</u>	<u>5035</u>	

