



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 20

See letter attached

Quadrangle HOLBROOK

WELL RECORD

Permit No. RIT-2332

Oil or Gas Well Gas & Oil
(KIND)

Company W.L.Meadows, Jr.
Address 300 W.Wall St., Midland, Texas
Farm L. E. Richards Acres 56
Location (waters) Otterslide Run
Well No. 1 Elev. 758'
District Union County Ritchie
The surface of tract is owned in fee by L.E.Richards
Address Berea, W.Va.
Mineral rights are owned by L.E. Richards and
Oakley Hodge Address Berea, w.Va.
Drilling commenced 3/5/61
Drilling completed 4/15/61
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 _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	225'	None	Size of
8 3/4	941'	None	
6 3/4			Depth set
5 3/16			
4 1/2" O.D	2181'	2181'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2 SIZE 2181' No. Ft. 3/31/61 Date

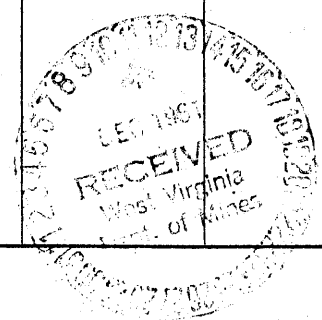
NO COAL
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED 2116-2119 2012-2016 1987-1990

Not producing
RESULT AFTER TREATMENT 2-3 bbls oil 50 MCF gas
ROCK PRESSURE AFTER TREATMENT Fracture channelled- Bad Cement Job- will recomplate at later date
Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Sand			10	47	Water	30'	
Slate Grey			47	130			
Red Rock			130	180			
Slate Shells			180	220			
Red Rock			220	225			
Lime Shell			225	230			
Red Rock			230	260			10" casing 225'
Lime			260	295			
Slate Shells			295	350			
Lime			350	412			
Red Rock			412	435			
Sand			435	450			
Red Rock			450	470			
Slate Shells			470	485			
Red Rock- Lime shells			485	537			
Lime Gritty			537	552			
Sand			552	563			
Slate Shells			563	583			
Red Rock			583	605			
Slate Black			605	635			
Red Rock			635	668			
Lime Dark			668	690			
Red Rock			690	695			
Lime			695	742			

"The Richards well is a small producer at this time, capable of making 2-3 bbls. of oil per day plus an estimated 50 MCF of gas per day. Shut in pressure, (Rock pressure) - was 623 psi after being shut in for 1 week."



Formation	Color	Hard or Soft	Top <i>10</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			742	763			
Sand Light			763	797			
Lime Dark			797	820			
Red Rock			820	830			
Red Lime			830	840			
Lime Gritty			840	847			
Sand Light			847	860			
Red Rock			860	860			
Slate Shells			869	900			
Lime		very hard	900	915			
Slate Shells			915	941			
Sand Light			941	977			8" casing
Slate Dark			977	982			941'
Lime Dark			982	1025			
Slate Shells			1025	1135			
Sand			1135	1194			
Slate Shells			1194	1262			
Sand Light			1262	1302			
Slate			1302	1377			
Sand Dark			1377	1430			
Lime Dark			1430	1481			
Sand Light			1481	1530			
Slate			1530	1560			
Slate Grey			1560	1576			
Sand light		very hard	1576	1600			
Lime dark		hard	1600	1666			
Sand		hard	1666	1767	sh oil	1683	
Slate black			1767	1825	sh oil	1734-1742	
Lime Dark			1825	1890	sh oil	1757-1767	
Lime Gritty			1890	2080			
Slate Shells			2080	2122			
Sand			2122	2125			
Slate Lime Shells			2125	2184			
Sand			2184	2189	sh oil	2184- 2186	
Slate			2189				
				TD 2189'			

Date Dec. 4, 1961, 19

APPROVED W.L. Meadows, Jr., Owner

By Denzil L. Prather
 (Title) Geol-Eng.