

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

Source of Elevation MT. UNION CHURCH (1192')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Chet Waterman

Company W. E. M. OIL & GAS CO.
 Address HUNTINGTON, W. VA.
 Farm B. SPURGEON
 Tract _____ Acres 86 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 1312.9'
 Quadrangle HOLBROOK EC
 County DODDRIDGE District COVE
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 68003-206 Drawing No. _____
 Date 11/23/68 Scale 1" = 40p

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

WELL LOCATION MAP
 FILE NO. DOD-1543

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Holbrook
Permit No. Dod - 1543

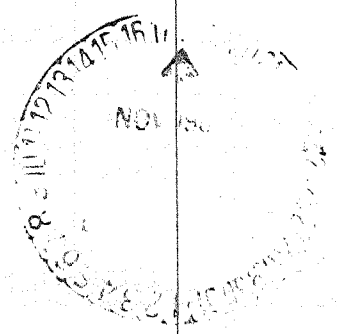
WELL RECORD

Oil or Gas Well Gas
(KIND)

Company <u>W & M Oil & Gas Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>3031 Wallace Circle, Huntington, W. Va.</u>	Size			
Farm <u>Berlin Spurgeon</u> Acres <u>86</u>	16			Kind of Packer
Location (waters) <u>Bear Fork</u>	13	20'	20'	Size of
Well No. <u>-2-</u> Elev. <u>1312.9'</u>	10	380'	**	Depth set
District <u>Cove</u> County <u>Doddridge</u>	8 1/4	1332'	**	
The surface of tract is owned in fee by <u>Mrs. Lenna Spurgeon, et al.</u> Address <u>Oxford, W. Va.</u>	6%			
Mineral rights are owned by <u>Mrs. Lenna Spurgeon, et al.</u> Address <u>Oxford, W. Va.</u>	5 3/16		2290'	
Drilling commenced <u>12-11-68</u>	4 1/2			Perf. top
Drilling completed <u>1-16-69</u>	3			Perf. bottom
Date Shot From To	2			Perf. top
With	Liners Used			Perf. bottom

Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume 35,000 est. Cu. Ft.
 Rock Pressure _____ lbs. hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____ FEET _____ INCHES
 WELL FRACTURED (DETAILS) 610 bbls water 28000 lbs sand 250 gals acid
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) 900,000 cu. ft.
 ROCK PRESSURE AFTER TREATMENT 700 HOURS 24 hours
 Fresh Water _____ Feet Salt Water _____ Feet
 Producing Sand Injun Depth 2214 - 2222

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & mud				60			
Lime			60	70			
Sand			70	105			
Red rock			105	138			
Lime gritty			138	165			
Slate			165	230			
Red rock			230	250			
Lime gritty			250	300			
Red rock			300	320			
Sand			320	333			
Red rock			333	359			
Slate			359	370			
Red rock			370	400			
Slate			400	410			
Sand			410	430			
Slate			430	445			
Red rock			445	465			
Sand			465	490			
Red rock, lime			490	545			
Slate, shells			545	625			
Red rock, lime			625	650			
Slate, shells			650	775			
Sand			775	805			
Slate, lime			805	820			
Red rock			820	830			
Lime gritty			830	850			
Red rock			850	935			
Slate, shells			935	955			
Lime			955	970			



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red rock			970	1000			
Slate, lime			1000	1060			
Red rock			1060	1080			
Lime			1080	1095			
Slate			1095	1225			
Lime			1225	1275			
Sand			1275	1285			
Slate			1285	1295			
Lime gritty			1295	1315			
Slate			1315	1330			
Sand-broken			1330	1380			
Lime			1380	1480			
Sand			1480	1530			
Slate			1530	1545			
Sand			1545	1625			
Black slate			1625	1755			
Lime gritty			1755	1780			
Sand-broken			1780	1800			
Black slate			1800	1900			
Sand			1900	1940			
Slate			1940	1990			
Lime gritty			1990	2005			
Red lime			2005	2020			
Slate			2020	2045			
Lime			2045	2068			
Slate			2068	2075			
Sand		<i>Maxton</i>	2075	2090	Oil	2075-2082	
Slate			2090	2100			
Big lime			2100	2154			
Sand <i>Bl. Monday</i>			2154	2175	Gas & oil	2154-2160	
Lime			2175	2213			
Sand <i>Big Injun</i>			2213	2242	Gas & oil	2214-2235	
				2290			

Date November 17, 1969

APPROVED *W. & M. Oil & Gas Co.*, Owner

By *[Signature]* (Title)