

LEWIS MAXWELL
1-11-47-00908 1562.00 AC.

Topog. Loc.
22,700' South of 39° 20'
10,000' West of 80° 45'

- Fracture
- Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- Abandonment

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
PROVEN ELEVATION 1247.21

Company CITIZES SERVICE OIL COMPANY
 Address Box 873 Charleston, W. Va.
 Farm LEWIS MAXWELL "B"
 Tract _____ Acres 1562 Lease No. 11-47-00908
 Well (Farm) No. B-25 Serial No. GW-1589
 Elevation (Spirit Level) 1247.21
 Quadrangle WEST UNION - SE
 County DODDRIDGE District WEST UNION
 Engineer Wendell S. Moore
 Engineer's Registration No. 2113
 File No. _____ Drawing No. W-11-666
 Date 25 July 66 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. DoD-1398

+ 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.

6-6099



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle West Union

Permit No. Dod-1398

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Cities Service Oil Company
Address Box 873, Charleston, W. Va. 25323
Farm Lewis Maxwell Acres 1562-
Location (waters) Pritchard Run
Well No. "B" #25, GW-1589 Elev. 1247.21
District West Union County Doddridge
The surface of tract is owned in fee by G. A. Pierce, et ux
The Strand and Norton St. Address Oxford, Md.
Mineral rights are owned by Grace M. Gaylord, et al
410 Kemmerer Rd. Address State College, Pa.
Drilling commenced 8-17-66
Drilling completed 9-19-66
Date Shot not shot From _____ To _____
With _____

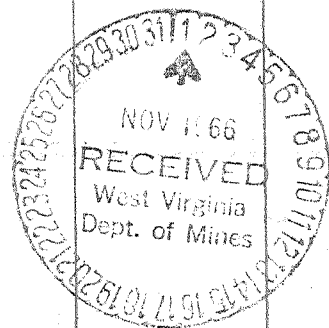
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>none</u>
13 3/8" 48#	19'	19'	Size of
10 3/4" 32#	303'	<u>pulled</u>	Depth set
8 1/4" 24#	1215'	1197'	Perf. top
6 1/2"			Perf. bottom
5 3/16"			Perf. top
4 1/2" 9.5#	2217'	2217'	Perf. bottom
3			
2			
Liners Used			

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume show after perforating Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) see attached sheet
WELL FRACTURED (DETAILS) see attached sheet

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) see attached sheet
Name of Service Co. _____
COAL WAS ENCOUNTERED AT none FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____

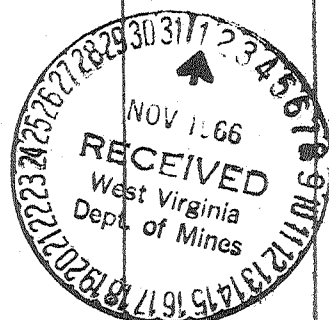
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 722 MCF (Big Injun)
ROCK PRESSURE AFTER TREATMENT 168 HOURS 266
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2075-2158' (per electric logs)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	10			
Sand			10	43			
Slate and Shells			43	70			
Red Rock			70	93			
Lime			93	120			
Slate and Red Rock			120	180			
Slate			180	200			
Lime			200	240			
Sand			240	250			
Red Rock & Slate			250	333			
Sand			333	365			
Slate			365	375			
Red Rock			375	380			
Lime			380	410			
Slate and Shells			410	448			
Lime			448	465			
Pink Rock			465	530			
Lime			530	573			
Sand			573	603			
Slate and Shells			603	680			
Lime			680	725			
Gritty Lime			725	805			
Pink Rock			805	895			
Lime			895	935			
Pink Rock			935	945			
Lime			945	985			



Formation	Color	Start of Log	End of Log	Start of Well	End of Well	Notes
Shale and Shells		1895	1915			
Black Rock		1915	1940			
White Limestone		1940	1960			
Shale		1960	1975			
Shale and Shells		1975	1985			
Shale		1985	1995			
Shale and Shells		1995	2005			
White Limestone		2005	2015			
Shale and Shells		2015	2025			
Shale		2025	2035			
Shale and Shells		2035	2045			
White Limestone		2045	2055			
Shale and Shells		2055	2065			
Shale		2065	2075			
Shale and Shells		2075	2085			
Shale		2085	2095			
Shale and Shells		2095	2105			
Shale		2105	2115			
Shale and Shells		2115	2125			
Shale		2125	2135			
Shale and Shells		2135	2145			
Shale		2145	2155			
Shale and Shells		2155	2165			
Shale		2165	2175			
Shale and Shells		2175	2185			
Shale		2185	2195			
Shale and Shells		2195	2205			
Shale		2205	2215			
Shale and Shells		2215	2225			
Shale		2225	2235			
Shale and Shells		2235	2245			
Shale		2245	2255			
Shale and Shells		2255	2265			
Shale		2265	2275			
Shale and Shells		2275	2285			
Shale		2285	2295			
Shale and Shells		2295	2305			
Shale		2305	2315			
Shale and Shells		2315	2325			
Shale		2325	2335			
Shale and Shells		2335	2345			
Shale		2345	2355			
Shale and Shells		2355	2365			
Shale		2365	2375			
Shale and Shells		2375	2385			
Shale		2385	2395			
Shale and Shells		2395	2405			
Shale		2405	2415			
Shale and Shells		2415	2425			
Shale		2425	2435			
Shale and Shells		2435	2445			
Shale		2445	2455			
Shale and Shells		2455	2465			
Shale		2465	2475			
Shale and Shells		2475	2485			
Shale		2485	2495			
Shale and Shells		2495	2505			
Shale		2505	2515			
Shale and Shells		2515	2525			
Shale		2525	2535			
Shale and Shells		2535	2545			
Shale		2545	2555			
Shale and Shells		2555	2565			
Shale		2565	2575			
Shale and Shells		2575	2585			
Shale		2585	2595			
Shale and Shells		2595	2605			
Shale		2605	2615			
Shale and Shells		2615	2625			
Shale		2625	2635			
Shale and Shells		2635	2645			
Shale		2645	2655			
Shale and Shells		2655	2665			
Shale		2665	2675			
Shale and Shells		2675	2685			
Shale		2685	2695			
Shale and Shells		2695	2705			
Shale		2705	2715			
Shale and Shells		2715	2725			
Shale		2725	2735			
Shale and Shells		2735	2745			
Shale		2745	2755			
Shale and Shells		2755	2765			
Shale		2765	2775			
Shale and Shells		2775	2785			
Shale		2785	2795			
Shale and Shells		2795	2805			
Shale		2805	2815			
Shale and Shells		2815	2825			
Shale		2825	2835			
Shale and Shells		2835	2845			
Shale		2845	2855			
Shale and Shells		2855	2865			
Shale		2865	2875			
Shale and Shells		2875	2885			
Shale		2885	2895			
Shale and Shells		2895	2905			
Shale		2905	2915			
Shale and Shells		2915	2925			
Shale		2925	2935			
Shale and Shells		2935	2945			
Shale		2945	2955			
Shale and Shells		2955	2965			
Shale		2965	2975			
Shale and Shells		2975	2985			
Shale		2985	2995			
Shale and Shells		2995	3005			
Shale		3005	3015			
Shale and Shells		3015	3025			
Shale		3025	3035			
Shale and Shells		3035	3045			
Shale		3045	3055			
Shale and Shells		3055	3065			
Shale		3065	3075			
Shale and Shells		3075	3085			
Shale		3085	3095			
Shale and Shells		3095	3105			
Shale		3105	3115			
Shale and Shells		3115	3125			
Shale		3125	3135			
Shale and Shells		3135	3145			
Shale		3145	3155			
Shale and Shells		3155	3165			
Shale		3165	3175			
Shale and Shells		3175	3185			
Shale		3185	3195			
Shale and Shells		3195	3205			
Shale		3205	3215			
Shale and Shells		3215	3225			
Shale		3225	3235			
Shale and Shells		3235	3245			
Shale		3245	3255			
Shale and Shells		3255	3265			
Shale		3265	3275			
Shale and Shells		3275	3285			
Shale		3285	3295			
Shale and Shells		3295	3305			
Shale		3305	3315			
Shale and Shells		3315	3325			
Shale		3325	3335			
Shale and Shells		3335	3345			
Shale		3345	3355			
Shale and Shells		3355	3365			
Shale		3365	3375			
Shale and Shells		3375	3385			
Shale		3385	3395			
Shale and Shells		3395	3405			
Shale		3405	3415			
Shale and Shells		3415	3425			
Shale		3425	3435			
Shale and Shells		3435	3445			
Shale		3445	3455			
Shale and Shells		3455	3465			
Shale		3465	3475			
Shale and Shells		3475	3485			
Shale		3485	3495			
Shale and Shells		3495	3505			
Shale		3505	3515			
Shale and Shells		3515	3525			
Shale		3525	3535			
Shale and Shells		3535	3545			
Shale		3545	3555			
Shale and Shells		3555	3565			
Shale		3565	3575			
Shale and Shells		3575	3585			
Shale		3585	3595			
Shale and Shells		3595	3605			
Shale		3605	3615			
Shale and Shells		3615	3625			
Shale		3625	3635			
Shale and Shells		3635	3645			
Shale		3645	3655			
Shale and Shells		3655	3665			
Shale		3665	3675			
Shale and Shells		3675	3685			
Shale		3685	3695			
Shale and Shells		3695	3705			
Shale		3705	3715			
Shale and Shells		3715	3725			
Shale		3725	3735			
Shale and Shells		3735	3745			
Shale		3745	3755			
Shale and Shells		3755	3765			
Shale		3765	3775			
Shale and Shells		3775	3785			
Shale		3785	3795			
Shale and Shells		3795	3805			
Shale		3805	3815			
Shale and Shells		3815	3825			
Shale		3825	3835			
Shale and Shells		3835	3845			
Shale		3845	3855			
Shale and Shells		3855	3865			
Shale		3865	3875			
Shale and Shells		3875	3885			
Shale		3885	3895			
Shale and Shells		3895	3905			
Shale		3905	3915			
Shale and Shells		3915	3925			
Shale		3925	3935			
Shale and Shells		3935	3945			
Shale		3945	3955			
Shale and Shells		3955	3965			
Shale		3965	3975			
Shale and Shells		3975	3985			
Shale		3985	3995			
Shale and Shells		3995	4005			
Shale		4005	4015			
Shale and Shells		4015	4025			
Shale		4025	4035			
Shale and Shells		4035	4045			
Shale		4045	4055			
Shale and Shells		4055	4065			
Shale		4065	4075			
Shale and Shells		4075	4085			
Shale		4085	4095			
Shale and Shells		4095	4105			
Shale						

Formation	Color	Hard or Soft	Top GA	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>Additional information on Maxwell "B" #25</u>							
<u>Casing Record</u>							
8-17-66							Set 13-3/8" casing at 19' - did not cement.
8-22-66							Ran and set 10-3/4" casing at 302' - did not cement. Pulled later.
9-1-66							Set 8-5/8" 24# J-55 casing, Grade B at 1,205'. Did not cement. Pulled 18' later.
9-19-66							Set and cemented 4-1/2" 9.5# Grade A, J-55 casing at 2201' with 125 sacks of Pozmix with friction reducer. Pumped 100 bbls. gel ahead of cement. Float at 2197'. Centralizers at 2197', 2132' and 2065'.
9-26-66							Perforated Big Injun <u>2097-2100'</u> , <u>2131-34'</u> , <u>2139-41'</u> and <u>2151-55'</u> with 2 holes per foot. Total of 24 holes. Show of gas after perforating.
9-26-66							<u>Fractured the Big Injun Sand</u> Pumped 500 gallons mud acid and 1,500 gallons regular acid. Maximum pressure 2,500#. Pressure broke to 1150#. Dropped 12 perf balls after pumping 1,000 gallons of acid. Could not tell when perf balls hit. Fraced Big Injun with 45,000# 20-40 sand, 28,000 gallons gelled water with fluid loss material and 35 gallons Morflo. Maximum treating pressure 2,600#. Average treating pressure 2,550#. Average injection rate 32.9 bbls/minute. Used 92,000' of nitrogen during treatment. Used 765 bbls. of fluid. Did not use perf balls during fracturing treatment. Pressure too high - Radio active beads put in during frac treatment.
9-27-66							Final open flow 722 MCF (Big Injun) after blowing 24-1/2 hours.



Date October 28, 19 66

APPROVED Cities Service Oil Company, Owner

By L. D. Todd, District Sup't
(Title)