

Appendix 2

Upper Part of the Lithologic Subsurface Log from the Beach & Talbot No. 1 Pruitt BB Well, SW¼SE¼SE¼ sec. 23, T. 3 S., R. 1 E., Carter County, Oklahoma. Elevation, 800 ft. Descriptions from cuttings. Explanation of symbols in Appendix 1.

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APPENDIX 2: Lithologic Subsurface Log from the Beach & Talbot No. 1 Pruitt BB Well

Depth (ft)	Unit Thickness (ft)	Unit No.	Lithology	Description of Units
				SPRINGER FORMATION
				<i>UNNAMED SHALE MEMBER</i>
100	220	1		1. Shale, medium dark gray (N4), silty, noncalcareous, with minor grayish red (5R4/2) ironstone.
				2. No samples.
				<i>LAKE ARDMORE MEMBER</i>
200				3. Sandstone, very light gray (N8) to medium dark gray (N4), very fine grained, subrounded, silty, poorly sorted, noncalcareous; includes abundant moderate reddish brown (10R4/6), very fine grained sandstone, and black (N1) carbonaceous plant fragments from 430 to 440 ft; contains minor medium dark gray (N4) silty shale.
300	200	2		4. Shale, medium dark gray (N4), silty, includes ~25% very light gray (N8), very fine grained sandstone.
400				5. Sandstone, very light gray (N8), very fine grained, and shale, medium dark gray (N4), mixed, ~50% each.
	20	3		
	10	4		
	10	5		
500	40	6		6. Shale, medium dark gray (N4), silty; includes minor very light gray (N8), very fine grained sandstone.
				<i>UNNAMED SHALE MEMBER</i>
600	220	7		7. Shale, medium dark gray (N4), silty, hard, noncalcareous, with minor moderate reddish brown (10R4/6) ironstone; includes some very light gray (N8), very fine grained sandstone laminae from 590 to 600 ft.
				<i>OVERBROOK MEMBER</i>
700				8. Siltstone, medium gray (N5), and shale, silty, medium dark gray (N4); siltstone is laminated and contains some black (N1), carbonized plant fragments; includes minor very fine grained sandstone.
	20	8		
	10	9		
	10	10		
	10	11		
	10	12		
800				9. Sandstone, very light gray (N8), very fine grained, with siltstone (~20%) and shale (~30%).
				10. Shale, medium dark gray (N4), with ~20% very light gray (N8), very fine grained sandstone.
900		13		11. Shale medium dark gray (N4), with grayish red (5R4/3) ironstone.
				12. Shale, medium dark gray (N4), with ~40% interlaminated, light gray (N7), very fine grained sandstone and siltstone.
1,000				

Depth (ft)	Unit Thickness (ft)	Unit No.	Lithology	Description of Units
				<i>UNNAMED SHALE MEMBER</i>
1,100	600	13		13. Shale, medium dark gray (N4), silty, with grayish red (5R4/2) ironstone; slickensides common.
1,200				
1,300				
1,380				<i>ROD CLUB MEMBER</i>
1,400	60	14		14. Shale, medium dark gray (N4), with 20–40% medium light gray (N6) interlaminated siltstone and very fine grained sandstone.
1,440	20	15		15. Shale, medium gray (N5), very silty, noncalcareous, with grayish red (5R4/2) ironstone.
1,460				
1,500	60	16		16. Shale, medium dark gray (N4), with 20–40% medium light gray (N6) interlaminated siltstone and very fine grained sandstone.
1,520				
1,600				
1,700				GODDARD FORMATION
				<i>UNNAMED SHALE MEMBER</i>
1,800	880	17		17. Shale, medium dark gray (N4), silty, noncalcareous, with moderate reddish brown (10R4/6) ironstone.
1,900				
2,000				