

WELL: FIDELITY V BAR 1 CATTLE ST 2

LOCATION: 26 - T26N - R56W

FORMATION:

CORE DEPTH: 7767 - 7950

DEPTH	GRAIN SIZE AND LITHOLOGY						FACIES	SEDIMENTARY STRUCTURES	CONTACTS	FLUORESCENCE	CEMENTS	COMMENTS
	A	GSM	PSFG	WS/YFG	MS/ST	SH						
-7767	[Lithology symbols]											
-7770	[Lithology symbols]						9	Dull orange fluorescence				Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7775	[Lithology symbols]						7 & 8	Anhydrite Mottled				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7780	[Lithology symbols]											Facies 8 - Shale - Black, blocky and non-calcareous - Deposition in salina or lagoon environments.
-7785	[Lithology symbols]						9	Anhydritic shale				Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7790	[Lithology symbols]											
-7795	[Lithology symbols]						7	Oil Stained				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7800	[Lithology symbols]						2 & 1	Crinoids and skeletal fragments				Facies 2 - Dolomite - Gray to dark gray, skeletal lime mudstone to wackestone. Skeletal fragments are crinoid debris and thin shelled mollusks and ostracods. Shallow shelf deposition.
-7805	[Lithology symbols]						8	Possibly Facies 1				Facies 8 - Shale - Black, blocky and non-calcareous - Deposition in salina or lagoon environments.
-7810	[Lithology symbols]						7 & 8	Contorted shale?				Facies 3 - Limestone - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7815	[Lithology symbols]											Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7820	[Lithology symbols]						9					Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7825	[Lithology symbols]						3	Algal				Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7830	[Lithology symbols]						7	Massive				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7835	[Lithology symbols]						3	Anhydrite nodules				Facies 3 - Limestone - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7840	[Lithology symbols]						2	Non-calcareous				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7845	[Lithology symbols]						3					Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow Basin deposition.
-7850	[Lithology symbols]						9					Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7855	[Lithology symbols]						3 & 1	Non-calcareous				Facies 3 - Limestone - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7860	[Lithology symbols]						3 & 1					Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow Basin deposition.
-7865	[Lithology symbols]						7	Contorted shale laminations				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7870	[Lithology symbols]						1	Zoophycos burrows				Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow Basin deposition.
-7875	[Lithology symbols]						2	Common Anhydrite Replacement				Facies 2 - Limestone - Gray to dark gray, skeletal lime mudstone to wackestone. Skeletal fragments are crinoid debris and thin shelled mollusks and ostracods. Shallow shelf deposition.
-7880	[Lithology symbols]						3	Anhydrite nodules				Facies 3 - Dolomite - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7885	[Lithology symbols]						1	Non-calcareous shale				Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow Basin deposition.
-7890	[Lithology symbols]						2	Anhydrite and calcite occluded				Facies 2 - Limestone - Gray to dark gray, skeletal lime mudstone to wackestone. Skeletal fragments are crinoid debris and thin shelled mollusks and ostracods. Shallow shelf deposition.
-7895	[Lithology symbols]						3					Facies 3 - Dolomite - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7900	[Lithology symbols]						2 & 1					Facies 3 - Dolomite - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7905	[Lithology symbols]						9					Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7910	[Lithology symbols]						7	Common anhydrite nodules				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7915	[Lithology symbols]						2 & 1	Calcareous Shale				Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow Basin deposition.
-7920	[Lithology symbols]						2 & 1	Pseudo-nodular bedding				Facies 2 - Limestone - Gray to dark gray, skeletal lime mudstone to wackestone. Skeletal fragments are crinoid debris and thin shelled mollusks and ostracods. Shallow shelf deposition.
-7925	[Lithology symbols]						4	Spotty Fluorescence				Facies 4 - Limestone - Gray to brown, skeletal and oolitic packstone to grainstone. Skeletal fragments are dominantly crinoids. Shallow shelf deposition.
-7930	[Lithology symbols]						2 & 1	Gray Brown				Facies 2 - Limestone - Gray to dark gray, skeletal lime mudstone to wackestone. Skeletal fragments are crinoid debris and thin shelled mollusks and ostracods. Shallow shelf deposition.
-7935	[Lithology symbols]						7	Dull yellow fluorescence				Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow Basin deposition.
-7940	[Lithology symbols]						7	Dull orange fluorescence				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7945	[Lithology symbols]						9	Dull yellow fluorescence				Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7950	[Lithology symbols]						7	Contorted shale				Facies 8 - Shale - Black, blocky and non-calcareous - Deposition in salina or lagoon environments.
-7955	[Lithology symbols]						9	Massive				Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7960	[Lithology symbols]						7	Dull yellow fluorescence				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7965	[Lithology symbols]						9	Dull orange fluorescence				Facies 9 - Anhydrite - Dark gray to white, nodular anhydrite with thin dolomite laminations and interbeds. Salina to supratidal deposition.
-7970	[Lithology symbols]						7	Shaley				Facies 3 - Limestone - Dark gray to gray, lime mudstone. Deposition in shallow shelf, protected shelf, and lagoon or salina environments.
-7975	[Lithology symbols]						3	Chert nodule 7938-7938.5				Facies 7 - Dolomite - Light brown to brown, massive to parallel bedded, dolomudstone (dolomite). Commonly anhydritic. Restricted shelf to salina deposition.
-7980	[Lithology symbols]						2	Non-calcareous shale				Facies 1 - Shale - Black, blocky, calcareous to non-calcareous shale. Shallow restricted basin deposition.
-7985	[Lithology symbols]						6	Common anhydrite replacement				Facies 2 - Limestone - Gray to dark gray, skeletal lime mudstone to wackestone. Skeletal fragments are crinoid debris and thin shelled mollusks and ostracods. Shallow shelf deposition.
-7990	[Lithology symbols]						3	P				Facies 6 - Siltstone - Gray to light brown, skeletal siltstone. Skeletal fragments include brachiopod fragments. Shallow shelf lower shoreface deposition.
-7995	[Lithology symbols]						5	Calcareous Shale				Facies 5 - Sandstone - Gray to light brown, oolitic, parallel bedded to cross-stratified, very fine to fine-grained sandstone. Shoreline or near shore bar deposition.
-8000	[Lithology symbols]							Dull orange fluorescence				