

WILLIAM SANDERS #2 CORE AND DRILL STEM TESTS

CORE NO. 1 - 8840-8897' (57') Recovered 57'.

Geological description of core:

8840-8842'	-2'0"	Gray-white nodular anhydrite with brown dense dolomite. No show.
8842-8845'	-3'0"	Brown dense shaly and anhydritic dolomite.
8845-8848'	-3'0"	Dense anhydrite.
8848-8865'	-17'0"	Brown fine crystalline-dense anhydritic dolomite.
8865-8866'	-1'0"	White dense anhydrite.
8866-8868'	-2'0"	Brown fine dense dolomite. No show.
8868-8872'	-4'0"	Gray-white anhydrite.
8872-8876'	-4'0"	Brown fine-dense dolomite.
8876-8878'	-2'0"	Gray-white anhydrite.
8878-8882'	-4'0"	Brown fine-dense dolomite. No show.
8882-8893'	-11'0"	Gray-white anhydrite.
8893-8896'	-3'0"	Dark brown dense shaly dolomite. No show.
8896-8897'	-1'0"	Gray-white anhydrite.
	57'0"	No porosity, stain or fluorescence in core.

CORE NO. 2 - 8897-8955' (58') Recovered 58'.

Geological description of core:

8897-8899'	-2'0"	Gray anhydrite.
8899-8901'	-2'0"	Brown dense shaly dolomite.
8901-8905'	-4'0"	Gray anhydrite.
8905-8909'	-4'0"	Gray black hard slightly dolomitic shale, slight odor of oil on fresh breaks.
8909-8912'	-3'0"	Gray white anhydrite.
8912-8914'	-2'0"	4" beds black shale and gray anhydrite.
8914-8920.5'	-6'6"	Gray-white anhydrite.
8920.5-8922'	-1'6"	Brown dense dolomite and inter-bedded black shale with slight odor of oil on fresh breaks.
8922-8924'	-2'0"	Brown dense dolomite. No show.
8924-8927'	-3'0"	Gray anhydrite.
8927-8929'	-2'0"	Brown dense shaly dolomite.
8929-8934'	-5'0"	Gray anhydrite.
8934-8936'	-4'0"	Brown dense shaly dolomite with anhydrite inclusions.
8936-8942.5'	-4'6"	Gray white anhydrite.
8942.5-8947'	-4'6"	Brown dense shaly dolomite and black shale inter-bedded with few anhydrite inclusions.
8947-8949'	-2'0"	Gray anhydrite with few shale streaks.
8949-8952'	-3'0"	Brown dense dolomite - shaly.
8952-8953'	-1'0"	Black shale.
8953-8955'	-2'0"	Gray-white anhydrite.
	58'0"	

DRILL STEM TEST NO. 1 - 9749-9804' - (ROUGH "A")

1" IHC, 3/4" IHC, 1,000' water blanket. Tool open 20 minutes on initial flow, opened with fair blow air that increased to good blow in 20 minutes. Shut in one hour for buildup. Reopened tool with good blow air, gas to surface in 40 minutes decreased to slight blow in 3 hours and 20 minutes. Pulled tool recovering 1,000' water blanket, 3,200' salt water and 200' of oil and gas cut mud, estimated 10% oil. Hydrostatic pressure in 4,723#, out 4,677#, 20-minute IFF 1,156#, 20-minute FFP 1,477#, one-hour ISIP 3,309#, FSIP 2,851#, 3-hour IFF 1,478#, FFP 2,810#.

DRILL STEM TEST NO. 2 - 9811-9870' - (ROUGH "B")

1" IHC, 3/4" IHC, 1,000' water blanket. Tool open 20 minutes, with good blow air. Closed tool one hour for buildup. Re-opened tool with good blow air, gas to surface in 15 minutes, continued good blow throughout 3 hours and 20 minutes test. Pulled tool recovering 1,000' water blanket, 60' clean oil, 150' gas cut drilling mud and 1,600' salt water. Hydrostatic pressure in 4723#, out 4677#, 20-minute IFF 463#, 20-minute FFP 648#, one-hour ISIP 3306#, FSIP 3125#, 3-hour IFF 648#, FFP 22#. Bottom hole temperature 150 degrees.

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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