

Core #2 Description

Sandra Allen #1

C SW/4 175-3W-SEC 7

Top of Core 3385

Bottom of Core 3445

Length of Core 60'

Amount Recovered 58.05'

Description

Top 3385

7.8 feet - Dark grey finely laminated shale, Non-calcareous.

1.4 feet - As above

3394.2

3.6 feet - transition zone. Finely laminated dolomitic mudstone with approximately 50% cherty nodules. Nodules are

1/2 to 1" thick; irregularly shaped and parallel to bedding. Nodules have pinpoint porosity and are bleeding oil. Overall, this section of core has some vugs of fair size and amount to about 3% of core. This section is also very slightly argillaceous.

2 feet - as above with minor stylolites.

3396.2

2 feet - as above w/no vugs. Core is bleeding from pinpoint porosity.

1.2 feet - as above

3399.4

3 feet - as above

2.5 feet - as above becoming gradually more cherty. This section has approximately 60% cherty nodules.

3404.9

1.2 feet - as above

1.3 - as above, microporosity bleeding oil.

3407.4

.3 feet No porosity

.6 feet microporosity bleeding oil, some wags.

3408.3

1.9 feet - No bleeding oil. Finely laminated dolomite w/ chert nodules.

.5 feet - as above with large quartz filled vugs approximately 1" x 3". Some minor bleeding oil from microporosity - Vugs are cherty.

3410.7

2 feet - non porous, finely laminated dolomite w/ chert nodules.

- NO vugs. Core has minor microporosity and oil staining is sparse and irregular.

2.4 feet - as above w/ no bleeding oil

3415.1

.2 feet - bleeding microporosity

.8 feet - as above w/ no bleeding oil

1.6 feet - as above w/ Finely laminated dolomite and chert nodules. Minor amount of oil bleeding from sparse fractures.

3417.7

.3 feet - microporosity ~~bleeding~~ bleeding oil.

.3 feet - Finely laminated dolomite as above. Very sparse microporosity and sparse spotting of bleeding oil. These spots occur about 1 bed per foot.

5 feet - as above w/ rare dolomite filled vugs. No porosity.

5.7 Feet - as above. Finely laminated, slightly argillaceous dolomite w/ grey chert nodules that are irregularly shaped and parallel to bedding

5.1 Feet - as above





COMPANY DAMAC DRILLING INC. FILE NO. DAMAC  
 WELL SANDRA ALLEN NO. 1 DATE 05 / 12 / 85  
 FIELD \_\_\_\_\_ FORMATION MAQUOKETA ELEV. \_\_\_\_\_  
 COUNTY MCPHERSON STATE KANSAS DRILG. FLD. WATER BASE CORES \_\_\_\_\_  
 LOCATION SEC. 7 T1P 17S R9E 3N

**HYDROCARBON PROFILE**

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VERTICAL SCALE : 5.00" = 100'

Thermal Extraction Chromatography

Relative Hydrocarbon Fluorescence

Hydrocarbon Count, NYS<sup>6</sup> at 300°C  
 C1 ■ C2 ■ C3 ■ C4 ■ C5 ■ C6 ■ C7 ■ C8 ■ C9 ■ C10 ■ C11 ■ C12 ■ C13 ■ C14 ■ C15 ■ C16 ■ C17 ■ C18 ■ C19 ■ C20 ■ C21 ■ C22 ■ C23 ■ C24 ■ C25 ■ C26 ■ C27 ■ C28 ■ C29 ■ C30 ■ C31 ■ C32 ■ C33 ■ C34 ■ C35 ■ C36 ■ C37 ■ C38 ■ C39 ■ C40 ■ C41 ■ C42 ■ C43 ■ C44 ■ C45 ■ C46 ■ C47 ■ C48 ■ C49 ■ C50 ■ C51 ■ C52 ■ C53 ■ C54 ■ C55 ■ C56 ■ C57 ■ C58 ■ C59 ■ C60 ■ C61 ■ C62 ■ C63 ■ C64 ■ C65 ■ C66 ■ C67 ■ C68 ■ C69 ■ C70 ■ C71 ■ C72 ■ C73 ■ C74 ■ C75 ■ C76 ■ C77 ■ C78 ■ C79 ■ C80 ■ C81 ■ C82 ■ C83 ■ C84 ■ C85 ■ C86 ■ C87 ■ C88 ■ C89 ■ C90 ■ C91 ■ C92 ■ C93 ■ C94 ■ C95 ■ C96 ■ C97 ■ C98 ■ C99 ■ C100

1.00 Hr. Ext. \_\_\_\_\_  
 20.0 Hr. Ext. \_\_\_\_\_

E (1.0) / E (20.0) (%)

