

16-25-9W

J. M. HUBER CORPORATION

OIL AND GAS DIVISION • MID-CONTINENT DISTRICT

7120 I-40 WEST • SUITE 100 AMARILLO, TEXAS 79106

(806) 353-9837

May 20, 1992

Kansas Geological Survey
1930 S. Constant Ave.
Lawrence, Kansas 66046-2598

Attn: Mike Lambert
Lynn Watney

Dear Sirs:

16-25-9W
Enclosed is a copy of a core description we made on the Anadarko 1-A Royce in section ~~16-268-9W~~, Reno County. Although hurriedly done, it is legible and we hope it is useful in piecing the core pieces back together.

In addition, our records show that one year ago we cut 12 thin sections from this core. Our practice, on this core as well as previous KGS cores from which we received permission to cut thin sections, is to have double cuts made at Huber's expense and to return one set of thin sections to the KGS when we return the core. We do this out of thanks and because we understand that thin sectioning permanently removes small pieces from the core. For some cores, it may be possible to thin section it to the point that it is destroyed and useless for future studies.

For this reason, even though we appreciate your sensitivity to us in holding these thin sections tight, we do not assume any rights to these or any thin sections we provide you, and actually encourage you to loan them out with the cores to those who are interested. In return, we would hope that we could also benefit from any thin sections or studies done on cores we borrow in the future.

We appreciate the fine work you do at the KGS.

Sincerely,

J. M. HUBER CORPORATION



A. L. Larsen
District Exploration Manager

AB/kd
Enclosures

SUBJECT

DATE

Core description

25

Anadarko 1-A Royce 16-~~25~~ 9W Reno County, KS

SHEET

3840 Chert breccia? Clasts faintly defined, chky appearance, some minor horiz shale lam, has bioturbated look, mottled. some pp ϕ in darker clasts, few verticle fractures

Chert a/a, less chky appearance, more vertical shale lam which define "clasts". Core breaks along these shale lam, more abundant pp ϕ , ill-defined areas of dark discoloration w/ even darker grey borders - oriented horiz. w/ no ϕ

Chert a/a, more vert shale lam, divides core into "clasts" $1\frac{1}{2} \times 3$ " (vertically). Thin shale lam exposed on broken core, some pp ϕ

45 Chert, increase in horiz sh lam - becoming wispy (algae?). Core breaks along lam. no visible ϕ

Chert, a/a w/ horiz wispy lam and curving vert lam, some chky appearance on vert lam, pp ϕ in clasts, no areas of discoloration, breccia appearance on outside core wall only, clasts $\frac{1}{4}$ " to 1"

Chert, rare horiz lam, no vert lam, some pp ϕ , nondescript, faint poorly defined linear light colored patches of? somewhat vertical but mostly random

Chert a/a with increase in white patches downward - looks like wnt opaque cement. No breccia apparent, no pp ϕ

Chert a/a, pp ϕ at 48.5, core split along vertical fracture lined on both sides w/ shale. Abrupt change at 48.75 to abundant horiz sh lam - wispy, brecciated. clasts in sh matrix, clasts $\frac{1}{8}$ " to 2", pp ϕ in clasts, some clasts shattered

350 Chert breccia a/a, some rare patches of brown mud (dolomite?), pp ϕ , wispy shale lam, 2" shale at 49.5, inclined striations at 30°

Chert breccia a/a with mottled or bioturbated appearance, pp to vuggy ϕ , poorly sorted clasts $\frac{1}{8}$ " to 2", clay matrix around clasts. Definition of clasts improves downward

Chert breccia a/a, core becoming more friable, punky. Clasts stand in relief against clay, vuggy ϕ in clay beside clasts. Core fractures along clay

Chert, breccia ill defined, mottled or punky, good pp ϕ , some wispy lam

Chert breccia, good pp ϕ in clasts, mottled appearance, some clasts shattered, core becoming more friable - easily broken apart, fractures, poorly sorted, patches of dolomite mud?

55 Chert breccia a/a, poor to fair pp ϕ , highly fractured

Chert breccia, highly fractured, chert clasts dense w/ brown impurities, some fractures ϕ and micro pp ϕ in brown patches (dolo mud?) some vuggy ϕ in mud

Chert breccia a/a, very large clasts, one 2" thick inclined 15° across entire face of core. Chert giving more conchoidal fractures. Some vuggy ϕ , heavily fractured. Increase in wispy shale downward, extremely friable. Some clasts inclined 45°

Chert breccia a/a, long clasts commonly vertical, ~~non-green clay a/a~~, chert dense & fractured. Cores very friable - need to be handled gently. very poor sorting, some vuggy ϕ

Chert, dns, banded IP with alternating light & dk chert bands, some pp ϕ , conchoidal fractures common, oil stain, slightly vuggy at 59.0 w/ very large vugs rare

2460 Chert breccia - some clasts very large? banding a/a, pp ϕ fair to good

* The word "punky" means different things to different people. I use this term to refer to a texture that looks decayed or rotten.