

HUSHPUCKNEY 4270 (-1348) Shale: black; carbon; few chips 4276-30m.

4283 30&60m; no visible oil show.

chalky in part; no visible porosity; N.S.

only 2 chips 4330.

no fluor, N.S.

porosity; N.S.

SiltSt: greenish; calcareous;

MARMATON 4358 (-1436)

tight oolite in part; dull fluor, N.S.

chert; no visible porosity; N.S.

Shale: black; carbon; 4440. LS: dk brown; vf-xtal; dense; N.S.

but no visible oil or stain; 4460.

v-poor dry stain; 4470, 4480. Shale: black; carbon;

FT. SCOTT 4476 (-1554)

trc fluor chalk; poor porosity; N.S.

LS: as above w/dark shales;

part; tight int grain porosity; N.S.

LS: as above;

above;

Shale: black;

fluor; 4490.

N.S.

dense, platey; no visible porosity; N.S.

porosity; no fluor; N.S.

CFS 4276 30/60

CFS 4372

AUTO-DRILL

TROUBLE

1:58 pm 12/12/2013

LS: md-dk grayish brown; vf-xtal; dense; no visible

incr fluor & definite stn 4283-stop; decr fluor & stn

LS: off white to It grayish brown; mic-vf xtal; soft, chalky portions; no visible porosity; N.S.

LS: md brown, grayish brown; vf-xtal; mostly dense,

LS: md brown; vf-xtal; trc bright fluor, tight int xtal porosity; break few micro-drops oil; no visible stain;

LS: md brown; vf-xtal; dense; no visible porosity;

LS: md-dk brown; vf-xtal; dense; no visible porosity,

LS: md-dk grayish brown; vf-xtal; green sh contact, chalky & silty portions; trc smokey chert; no visible

LS: It-md grayish brown; vf-xtal; dense; no visible

LS: md grayish brown; vf-xtal; breaks up, crumbly when wet, somewhat chalky; sli drusy vugs; spotted dry stain & bright flouor; sli show oil, 4390-30m, decr

LS: off white to It gray-brown; vf-xtal; chalky in part;

LS: It grayish brown; mic-vf xtal, lithographic in part;

LS: md grayish brown; vf-xtal; dense; minor opaq

LS: It-md brown; vf-xtal; soft, chalky portions, trc chert at most, only dull fluor; no visible shows.

LS: as above, including trace chalky lime w/bright fluor

LS: It brown; vf-xtal; chalky in part; trc bright fluor, speckled stain; v-tight; possible micro- drops oil;

LS: md grayish brown; vf-xtal; oolite; tight int oolite

porosity, bright fluor; crush sli show oil; some black, tar-like int ool stain; only few chips; poor dry stains &

LS: md -dk grayish brown; mic-vf xtal; dense, platey;

LS: It brown; vf-xtal; mostly dense; trace drusy vugs;

LS: It-md brown; vf-xtal; dense; no visible porosity;

LS: It-md gravish brown; vf-xtal; granular, oolitic in

Shale: variable; w/white to green siltstone; trc chert;

LS: It brown, cream; vf-xtal; dense to chalky; poor porosity; N.S., accompanied by much shale ect. as

LS: It brown, cream; vf-xtal; trc oolite; mostly dense;

LS: It to dk brown; vf-xtal; dense; trc vug porosity

v-poor int grain porosity; N.S., much shale;

LS: as above; much shale as above;

ROTARY TOTAL DEPTH 4610 (-1688)

w/drab stain; no show oil;

porosity or show thru 4276-30m, trc fluor & sli cut 60m;

DST #1: L-ZONE: 4269-4283: BOB 9 MIN

FFP; 5-15-15-30; 131' WM, 179' MW; SIP:

DST #2: 4372-4390: PACKER FAILURE.

DST #3: MARMATON: 4300-4390: BOB 1

MIN; 5-15-15-30: 258' GIP, 1035' SGOWCM; SIP: 702-655: FP: 183-303, 313-528.

Hot-Wire

DST #4: PAW, FT SCOTT: 4427-4500: BLOW

INCR 10" FFP; 5-15-15-30: 154' GIP, 90' = SGOCM; SIP: 976-1002; FP: 24-35, 41-57.

AN AIR-HOSE FAILURE CAUSED HAVOC WITH

DST #5: CHEROKEE: 4498-4565: WEAK | BLOW: 5-15-30-60: 15' MUD; SIP: 388-368;

Hot-Wire

PIONEER WIRELINE SERVICES LTD 4613

100

FP: 22-24, 23-23.-

AUTO-DRILLER & ROP FROM 4500 TO 4507.

832-821, FP: 25-82, 87-160.-