



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: PFEIFER "A" # 1-22
Location: NW - NW - NE of Sec. 22 - T. 10 S. - R. 25 W.
License Number: A.P.I. #15 - 065 - 24,044 - 00 - 00
Spud Date: 06/13/2014
Surface Coordinates: SPOT: 330' FNL & 2310' FEL

Region: GRAHAM CO., KS.
Drilling Completed: 06/20/2014

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2498' **K.B. Elevation (ft):** 2503'
Logged Interval (ft): 221' **To:** 4100' **Total Depth (ft):** 4100'
Formation: Base Kansas City
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 3406'.
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 9342 E. CENTRAL
WICHITA, KANSAS 67206

GEOLOGIST

Name: DAVID P. WILLIAMS, P.G., KS. LIC. # 88
Company: DW ENERGY, LLC (DWE)
Address: 312 N. BROADVIEW STREET
WICHITA, KANSAS 67208

Casing & Deviation Surveys:

Spud at 3:30 PM 6/16/2014. 8 5/8" Surface Casing (23#) was set and cemented in place. Tally 211.88'. Set @ 221' KB. Cemented with 160 sacks Common, 3% cc & 2% cf. Cement Did Circulate. Allied Cementing.

Deviation Survey's Taken: @ 221'= 1/2 degree; @ 3806'= 3/4 degree; @ 4100' = 3/4 degree.

DSTs

~~DST #1~~ Interval:3778'-3806'. Times: 5"-60"-90"-150"; Blow:=Fair/ 6.5". No Blow Pack. FF= BOB/8". No Blow Back During FSIP.

Recovery: 1116' TF: 1066' MW wOS (90% W & 10% M); & 50" MW w/OS (60% W & 40% M).

Pressures: IH=1800#; FH=1717#; IF=23-73#; FF=78-535#; ISIP= 970#; FSIP=967#; TEMP.=122 degrees F.; CHL.=46,000 Ppm.; API RW=.171 @ 101 degrees F..

~~DST #2~~ Interval:3924'-3954'. Times: 5"-60"-90"-120"; Blow:=Weak= 1/8". No Blow Back. FF=No Blow Inc. to Weak @ 25"= 1/8". No Blow Back During FSIP.

Recovery: 20' M w/OS (100% M).

Pressures: IH=1908#; FH=1829#; IF=15-17#; FF=19-40#; ISIP= 1046#; FSIP=1023#; TEMP.=116 degrees F.

~~DST #3~~ Interval: 3954'-4018'. Times: 5"-60"-90"-120"; IF-Blow:=Strong/11". No Blow Back. FF= BOB/5". No Blow Back During FSIP.

Recovery: 1116' TF: 900' MW (95% W & 5% M); 216' MW (60% W & 40% % M).

Pressures: IH =1949#; FH=1798#; IF=75-126#; FF=130462#; ISIP= 545#; FSIP= 462#; TEMP.=120 degrees F.; CHL.=23,500 Ppm.; API RW=200 @ 98 degrees F..


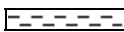

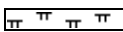
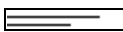
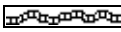




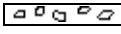







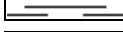
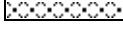
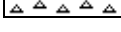
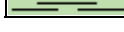

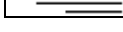
Comments

After review of all geologic samples as examined, structural correlation to offsetting prior drilled wells, combined with the fluid and pressures results from the drill stem test taken, it was determined by all parties that this well appears to be non-commercial and should be plugged and abandoned.











































































Respectfully submitted,

David P. Williams, P.G. Kansas #88

ROCK TYPES

 Anhy	 Clyst	 Gry shale	 Mrlst	 Shgy
 Bent	 Coal	 Gyp	 Red shale	 Sltst
 Brec	 Congl	 Igne	 Salt	 Ss
 Carb sh	 Dol	 Lmst	 Shale	 Till
 Cht	 Grn sh	 Meta	 Shcol	

ACCESSORIES

MINERAL			
 Anhy	 Hvymin	 Belm	 Pellet
 Arggrn	 Kaol	 Bioclst	 Pisolite
 Arg	 Marl	 Brach	 Plant
 Bent	 Minxl	 Bryozoa	 Strom
 Bit	 Nodule	 Cephal	
 Brecfrag	 Phos	 Coral	STRINGER
 Calc	 Pyr	 Crin	 Anhy
 Carb	 Salt	 Echin	 Arg
 Chtdk	 Sandy	 Fish	 Bent
 Chtlt	 Silt	 Foram	 Coal
 Dol	 Sil	 Fossil	 Dol
 Feldspar	 Sulphur	 Fuss	 Grysh
 Ferrpel	 Tuff	 Gastro	 Gyp
 Ferr	FOSSIL	 Oolite	 Ls
 Glau	 Algae	 Oomold	 Mrst
 Gyp	 Amph	 Ostra	 Sltstrg
		 Pelec	 Ssstrg
			TEXTURE
			 Boundst
			 Chalky
			 Cryxln
			 Earthy
			 Finexln
			 Grainst
			 Lithogr
			 Microxln
			 Mudst
			 Packst
			 Wackest

OTHER SYMBOLS

- POROSITY**
- [E] Earthy
 - [B] Fenest
 - [F] Fracture
 - [X] Inter
 - [Z] Moldic
 - [O] Organic
 - [P] Pinpoint

- [V] Vuggy
- SORTING**
- [W] Well
 - [M] Moderate
 - [P] Poor

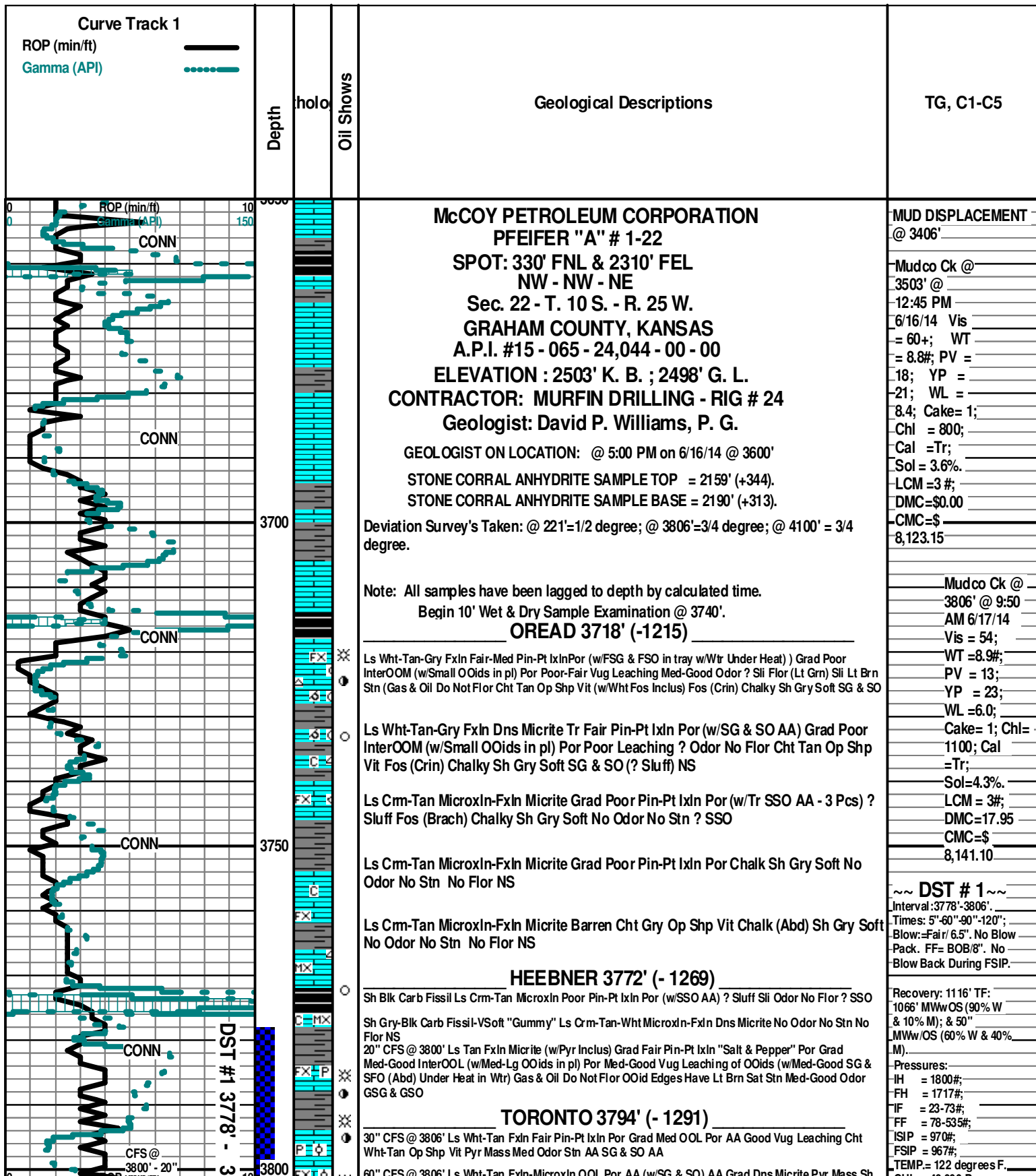
- ROUNDING**
- [R] Rounded
 - [r] Subrnd
 - [a] Subang
 - [A] Angular

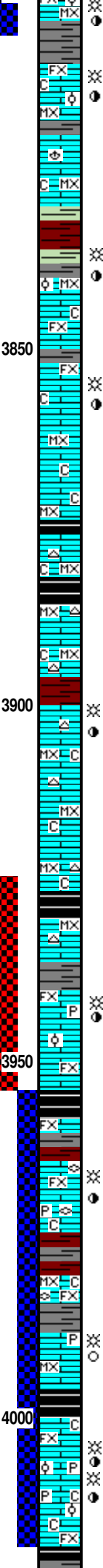
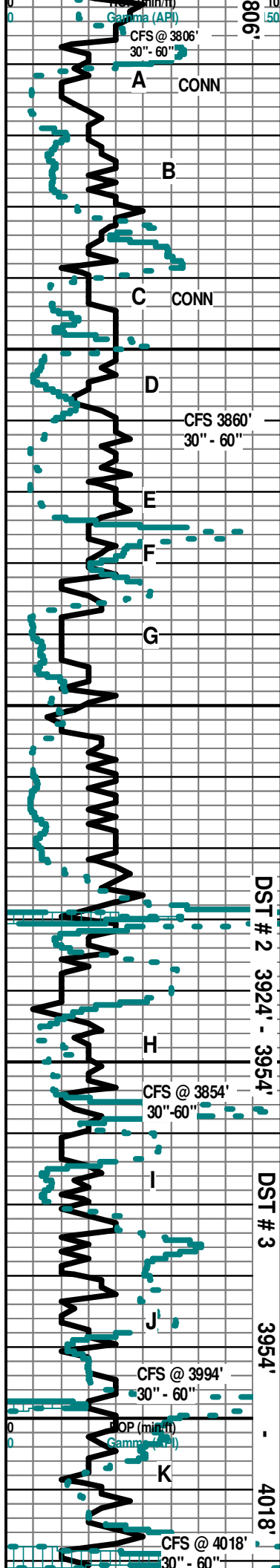
- [●] Even
- [◉] Spotted
- [○] Ques
- [◻] Dead

- EVENT**
- [▽] Rft
 - [▶] Sidewall

- OIL SHOW**
- [*] Gas show

- INTERVAL**
- [■] Dst
 - [■] Dst_alt





LANSING 3810' (- 1307)

Ls Wht FxIn-MicroIn Dns Micrite Grad Poor-Fair OOL Por (w/Small-Med OOids in pl) Poor-Fair Disolu Poor-Fair Develop (w/SG & SO Under Heat in Wtr) Chalk Sh Gry Soft "Gummy" Sil Odor No Flor Sli Scat Stn (5 Pcs) SG & SO

Ls Wht MicroIn Dns Micrite Fos (Brach) Chalk Sh Gry Soft No Odor No Stn No Flor NS

Sh Red-Gry/Grn-Char Fissil-Soft (Wash Red Abd) Ls Wht MicroIn Dns Micrite Grad Poor-Fair Pin-Pt IxIn Por Grad Poor-Fair OOL Por (Small OOids Poor Leaching (5 Pcs w/SSG & SSO) Chalk No Odor No Stn No Flor NS

Ls Wht MicroIn-FxIn Dns Micrite Grad Poor-Fair OOL Por (w/Small OOids in pl) Poor Disolu Poor Develop (w/SSG & SSO AA) Chalk Sh Gry Soft Med-Good Odor No Flor Scat Lt Brn Stn SSG & SSO

30" CFS @ 3860' Ls Wht-Crm FxIn Fair-Med IxIn "Salt & Pepper" Vug Leached Por (w/Med SG & Med SO) Grad Poor-Fair OOL Por (w/Small OOids in pl) Med InterOOL Por (w/SG & SO) Strong Odor No Flor Fair Drk Brn Stn ? Gillsomite (1 Pc) MSG & MSO

60" CFS @ 3860' Ls Wht-Crm FxIn Fair-Med IxIn "Salt & Pepper" Vug Leached Por (w/Med SG & Med SO) Grad Poor-Fair OOL Por (w/Small OOids in pl) Med InterOOL Por (w/SG & SFO) Chalk Strong Odor No Flor Fair Drk Brn Stn GSG & GSO

Ls Wht Dns MicroIn Micrite Grad Poor-Fair IxIn Por (w/Poor-Med Vug Leaching) Scat Stn (Lt Brn) AA Vit Chalky ? Faint Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry Ls Wht-Tan MicroIn Dns Micrite Barren Cht Wht Op Shp Vit Chalky No ? Faint Odor No Stn No Flor NS

Sh Blk Carb-Char-Red-Grn Soft (Wash Red) Ls Wht-Tan MicroIn Dns Micrite Barren Cht Wht Op Shp Vit Chalky No ? Faint Odor No Stn No Flor NS

Sh Char-Red-Grn Soft (Wash Red) Ls Wht-Tan MicroIn Dns Micrite Barren Cht Wht-Gry Op Shp Vit Chalky ? Faint Odor No Stn No Flor NS

Ls Wht-Tan MicroIn Dns Micrite Barren Grad Fair-Med IxIn-Vug Por Fair- Med Vug Dissolu (w/SG & SO) Cht Wht-Gry Op Shp Vit Chalky ? Faint Odor No Stn No Flor NS

Ls Wht MicroIn Dns Micrite Baren Cht Wht-Gry Op Shp Vit Chalky No Odor No Stn No Flor NS

Ls Wht MicroIn Dns Micrite Barren Cht Wht-Gry Op Shp Vit Chalky No Odor No Stn No Flor NS

MUNCIE CREEK 3927' (- 1424)

Sh Blk Carb Fissil Ls Wht-Tan MicroIn Dns Micrite Barren Cht Wht-Gry Op Shp Vit Chalky No Odor No Stn No Flor NS

30" CFS @ 3954' Ls Wht-Tan FxIn Fair Pin-Pt IxIn Por Grad Med IxIn Vug Leached Por Grad Med InterOOL Por (w/Med-Good SG & SFO) Pyr Mass Lt Brn-Drk Blk Stn Faint Flor (Lt Grn) Fair Odor Fair-Med SG & SO

60" CFS @ 3954' Ls Wht-Tan FxIn Poor Pin-Pt IxIn Por Grad Poor IxIn Vug Leached Por (w/Poor SG & SO) Chalky Lt Brn-Drk Blk Stn Dec No Flor ? Faint Odor Grad Dns Micrite SG & SO Dec

Ls Wht FxIn Fair Pin-Pt IxIn Por Grad Med IxIn Vug Leached Fos (Fuss Inklus) Por Grad Med InterOOL Por (w/Med-Good SG & SFO) Sh Red-Char- Gry-Aqua Soft (Wash Red) Lt Brn-Drk Blk Stn ? Flor ? Sli Odor Poor-Fair SG & SO

Sh Red-Char-Gry-Aqua Soft (Wash Red) Ls Wht FxIn Fair Pin-Pt IxIn Por Grad Fair IxIn Vug Leached Fos (Fuss Inklus) Por Grad Poor-Fair InterOOL Por(w/Med SG & SFO) Pyr Mass Lt Brn-Drk Blk Stn AA Chalk Sli ? Odor Fair SG & SO

30" CFS @ 3994' Sh Red-Char-Gry-Aqua Soft (Wash Red) Ls Wht FxIn Fair Pin-Pt IxIn Por Grad Fair IxIn Vug Leached Fos (Fuss Inklus) Por Grad MicroIn Dns Micrite Pyr Mass ? Lt Brn-Drk Blk Stn (Few Pcs Mostly Barren) Chalk No Odor NS

60" CFS @ 3994' Ls Wht-Tan-Gry MicroIn Dns Micrite Grad Poor IxIn Vug Por Poor Leaching (w/? Few Pcs w/? Pin-Pt IxIn Por (w/VSSG & VSSO) Lt Brn-Drk Blk Stn Chalk Sh Red-Char-Gry Soft (Wash Red) No Odor ? Sli VSSG & VSSO

STARK 3997' (- 1494)

30" CFS @ 4018' Ls Wht-Gry FxIn Fair-Med Pin-Pt IxIn Por Grad Med IxIn Vug Leached Por Grad Med InterOOL Por (w/Small-Med OOids in pl) (w/Med-Good SG & SFO Under Pressure & Heated Wtr) Pyr Mass Charky Sh Gry Soft "Gummy"Drk Oil Drk Blk Stn Fair Flor (Lt Grn) Fair-Med Odor Med-Good SG & SO

60" CFS @ 4018' Ls Wht-Gry FxIn Fair-Med Pin-Pt IxIn Por Grad Fair IxIn Vug Leached Por Grad Fair InterOOL Por (w/Small OOids in pl) (w/Fair SG & SFO AA) Grad Dns Micrite Pyr Mass Chalky Sh Gry Soft "Gummy" Drk Oil Drk Blk Stn Fair Flor (Lt Grn) Poor-Fair Odor SG & SO

HUCKPUCKNEY 4018' (- 1515)

Sh Grn/Char (w/Char Incls) Red (Abd) Blk Carb Fissil Soft Ls Wht-Tan FxIn MicroIn Dns Micrite Barren Cht Wht Op Shp Vit Chalky No ? Faint Odor No Stn No Flor NS

CHL = 46,000 Ppm.
API RW = .171 @ 101 degrees F..

PIPE STRAP = <math>-0.91'>
LONG TO BOARD.

Mudco Ck @ 3954' @ 9:10 AM 6/18/14

Vis = 54;
WT = 9.1#;
PV = 12;
YP = 27;
WL = 7.6; Cake = 1;

Chl = 4100;
Cal = 40;
Sol = 5.5;
LCM = 5#;
DMC = \$1,280.30
CMC = \$9,421.40
8,141.10

~ DST #2 ~
Interval: 3924'-3954'.
Times: 5'-60"-60"-60";
Blow: Weak = 1/8". No Blow Back. FF = No Blow Inc. to Weak @ 25" = 1/8". No Blow Back During FSIP.

Recovery: 20' M w/OS (100% M);

Pressures:
IH = 1908#;
FH = 1829#;
IF = 15-17#;
FF = 19-40#;
ISIP = 1046#;
FSIP = 1023#;
TEMP = 116 degrees F..

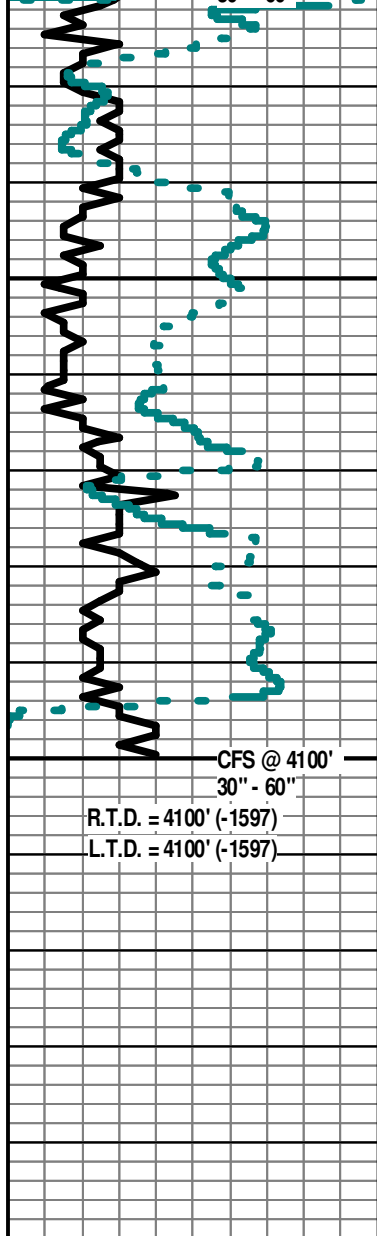
Mudco Ck @ 4018' @ 8:00 PM 6/19/14

Vis = 60+;
WT = 9.1#;
PV = 19;
YP = 20;
WL = 7.6;
Cake = 1;
Chl = 2400;
Cal = Tr.;
Sol = 5.6;
LCM = 5#;
DMC = \$577.85;
CMC = \$9,999.25

~ DST #3 ~
Interval: 3954'-4018'. Times: 5'-60"-90"-120";
IF-Blow: Strong/11". No Blow Back. FF = BOB/5". No Blow Back During FSIP.

Recovery: 1116' TF:
90' MW (95% W & 5% M); 216' MW (60% W & 40% M).

Pressures:
IH = 1949#;
FH = 1798#;
IF = 75-126#;
FF = 130-462#;



Sh Grn/Gry (w/Carb Inklus)-Red (Abd)-Blk Carb Fissil-Soft Ls Wht-Tan Fxin-Microxin
 Dns Micrite Grad Poor Pin-Pt Ixdn Vug Por Barren Chalky No Odor No Stn No Flor NS

Ls Wht-Crm MicroIn Dns Micrite Cht Wht (w/Org-Peach Inklus) Op Shp Vit Chalky
 Sh Red-Char-Grn/Gry Soft-Fissil No Odor No Stn No Flor NS

BASE KANSAS CITY 4040' (- 1537)

Sh Grn/Gry (w/Carb Inklus)-Red (Abd) Fissil-Soft Ls Wht-Tan MicroIn Dns Micrite
 Chalk Wht-Gry (VAbd ? Sh Gry "Gummy") VSoft Pyr Mass No Odor No Stn No Flor NS

Sh Grn/Gry (w/Carb Inklus)-Red (Abd) Fissil-Soft Ls Wht-Tan MicroIn Dns Micrite
 Chalk Wht-Gry (VAbd ? Sh Gry "Gummy") VSoft Pyr Mass No Odor No Stn No Flor NS

Ls Wht-Crm MicroIn Dns Micrite Chalky Sh Red-Char-Grn/Gry Soft-Fissil No Odor
 No Stn No Flor NS

Ls Wht-Crm MicroIn Dns Micrite Chalky Sh Red-Char-Grn/Gry Soft-Fissil No Odor
 No Stn No Flor NS

30" CFS @ 4100' Ls Wht-Crm-Gry Microxin Dns Micrite Qtz Ss Wht-Gru VFGrn Well
 Rd Well Sort CaCo3 Cmt Poor IGran Por Barren Chalky Sh Red-Char-Grn/Gry
 Soft-Fissil No Odor No Stn No Flor NS

60" CFS @ 4100' Qtz Ss Wht-Gru VFGrn Well Rd Well Sort CaCo3 Cmt Poor IGran
 Por Barren Ls Wht-Crm MicroIn Dns Micrite Chalky Fos (Brach)Sh
 Red-Char-Grn/Gry Soft-Fissil No Odor No Stn No Flor NS

Pioneer Wireline Log Run : Radiation Guard.

Geologist left Location at: 8:00 AM on 6/20/2014

ISIP = 545#;
 FSIP = 462#;
 TEMP.= 120 degrees F..
 CHL. = 23500 Ppm.
 API RW = .200 @ 98 degrees F..

CFS @ 4100'
 30" - 60"
 R.T.D. = 4100' (-1597)
 L.T.D. = 4100' (-1597)