

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

Well Name: FARR TRUST "A" #1-12  
API: API #: 15-163-24,230-00-00  
Location: Sec. 12 - T 7 S - R 19 W,  
License Number: KCC # 5003  
Spud Date: 07/09/2014  
Surface Coordinates: 660' FSL & 2310' FWL  
Region: ROOKS CO., KS.  
Drilling Completed: 07/16/2014

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 1928' (Loc. Raised 1') K.B. Elevation (ft): 1933'  
Logged Interval (ft): 219' To: 3501' Total Depth (ft): 3501'  
Formation: ARBUCKLE  
Type of Drilling Fluid: Chemical/Polymer/Gel & Mud Displacement at 2688'.

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**OPERATOR**

Company: McCoy Petroleum Corporation, KCC License #5003  
Address: 9342 E. Central  
Wichita, KS 67206

**GEOLOGIST**

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

**Casing & Deviation Survey's:**

Spud at 1:45 PM on 07/09/2014. Ran 5 joints of new 8-5/8" 23# surface casing. Tally 210.97'. Set at 219.14' KB. Welded straps on casing. Allied cemented with 165 sacks of Common with 2% Gel and 3% CC.. Cement did circulate to surface.

DEVIATION SURVEY'S: @ 220' = 1/2 degree; @ 3195' = 3/4 degree; @ 3500' = 1/2 degree.

## DSTs

~~DST # 1~~ Interval: 3099'- 3195'. Times: 5"-60"-60"-60".

Blow: IF=Weak/2". No Blow Back During ISIP. FF= No Blow. No Blow Back During FSIP.

Recovery: 70' M (w/O Spots) (100% M).

Pressures: IH=1562#; FH=1532#; IF=95-112#; FF=88-98#; ISIP= 1098#; FSIP=930#; TEMP.=105 degrees F..

~~DST # 2~~ Interval: 3198'- 3230'. Times: 5"-60". Miss-Run . Blow: IF=Weak/1/4". No Blow Back During ISIP. Miss-Run During FF & FSIP (SI Tool Failure).

Recovery: 5' M (w/O Spots).

Pressures: IH=1562#; FH=1500#; FF=36-56#; FF=NA; ISIP=859#; FSIP=NA: TEMP.=103 degrees F..

~~DST # 3~~ Interval: 3202'- 3230'. Times: 90"- 120".

Blow: IF=Weak/2 1/4". No Blow Back During ISIP.

Recovery: 63' TF (60' WCM (w/O Spots) (85% M & 15% W); & 3' SWOCM (20% O, 10% W & 70% M).

Pressures: IH=1602#; FH=1505#; IF=33-49#; FF=NA; ISIP=827#; FSIP=NA: TEMP.=105 degrees F.; Chl.=34,000

Ppm; API Rw=.37 @ 68 degrees F..

~~DST #4~~ Interval: 3241'- 3306'. Times: 5"-60"-60"-60".

Blow: IF=Weak/ 1/8". No Blow Back During ISIP. FF=No Blow. No Blow Back During FSIP.

Recovery: 10' TF: 5'SOCM (10% O & 90% M); 5' CO (100% O).

Pressures: IH=1621#; FH=1583#; IF=32-34#; FF=38-34#; ISIP=930#; FSIP=692#: TEMP.=103 degrees F.; A.P.I.

Grv.=32 degrees (Cor.).

~~DST #5~~ Interval: 3312'- 3334'. Times: 5"-60"-60"-60".


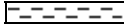


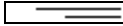
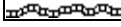



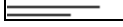
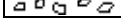




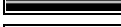

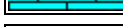

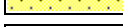




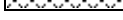
Blow: IF=Weak/ 1/4". No Blow Back During ISIP. FF= No Blow. No Blow Back During FSIP.

Recovery: 2' VSOCM (5% O & 95% M).









































































Pressures: IH=1616#; FH=1583#; IF=27-26#; FF=27-27#; ISIP=58#; FSIP=34#: TEMP.=105 degrees F..

## Comments

### ROCK TYPES

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

### ACCESSORIES

<b>MINERAL</b>			
 Anhy	 Hvymin	 Belm	 Pellet
 Arggrn	 Kaol	 Bioclst	 Pisolite
 Arg	 Marl	 Brach	 Plant
 Bent	 Minxl	 Bryozoa	 Strom
 Bit	 Nodule	 Cephal	
 Brecfrag	 Phos	 Coral	<b>STRINGER</b>
 Calc	 Pyr	 Crin	 Anhy
 Carb	 Salt	 Echin	 Arg
 Chtdk	 Sandy	 Fish	 Bent
 Chtlt	 Silt	 Foram	 Coal
 Dol	 Sil	 Fossil	 Dol
 Feldspar	 Sulphur	 Fuss	 Gyp
 Ferrpel	 Tuff	 Gastro	 Ls
 Ferr	<b>FOSSIL</b>	 Oolite	 Mrst
 Glau	 Algae	 Oomold	 Sltstrg
 Gyp	 Amph	 Pelec	 Ssstrg
			<b>TEXTURE</b>
			 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

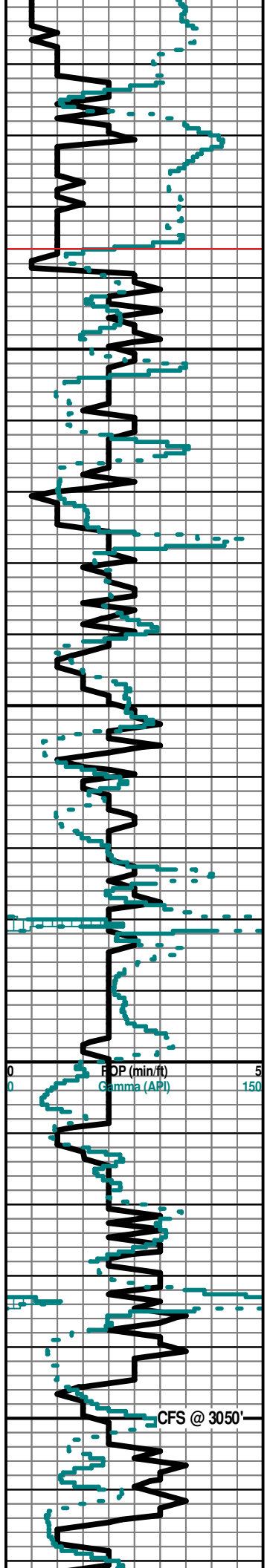
[■] Dst\_alt

**EVENT**  
 [▽] Rft  
 [▶] Sidewall

**OIL SHOW**  
 [✖] Gas show

**INTERVAL**  
 [■] Core  
 [■] Dst

Curve Track 1 ROP (min/ft) ——— Gamma (API) ·····	Depth	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5
<p><b>McCoy Petroleum Corporation</b>  <b>FARR TRUST 'A' #2-12</b>  <b>E2 - SE - SW</b>  <b>660' FSL &amp; 2310' FWL</b>  <b>Sec. 12 - T 7 S - R19 W</b>  <b>Rooks County, KS</b>  <b>API: 15-163-24,230-00-00</b>  <b>Murfin Drilling: Rig #24</b>  <b>Elevations: 1933' KB; 1928' GL (Loc. Raised 1')</b>  <b>Geologist: David P. Williams</b></p> <p>Geologist on location: 2750' @ 6:15 PM on 7/11/2014</p> <p>Stone Corral Anhydrite Sample Top = 1426' (+ 507)                      Stone Corral Anhydrite Sample Base = 1457' (+ 476)                      Stone Corral Anhydrite Electric Log Top = 1422' (+ 511)                      Stone Corral Anhydrite Electric Log Base = 1454' (+ 479)</p> <p>DEVIATION SURVEYS: @ 220' = 1/4 degree; @ 3195' = 3/4 degree; @ 3500' = 1/2 degrees.</p> <p>NOTE: ALL SAMPLES HAVE BEEN LAGGED TO DEPTH BY CALCULATED TIME.</p> <p style="text-align: center;">Begin 10' Sample Examination at 2800'</p>					
	2700				MUD DISPLACEMENT @ 2688' Mudco Mud Ck @ 2,333' 9:40 AM 7/11/2014 Vis= 28 WT = 9.4 PV = NC YP = NC WL = NC Chl = 41,000 Cal = Hvy Sol = 5.4% LCM = NIL# DMC = \$4,093.95 CMC = \$5,499.95
	2800			<p>Ls Crm-Wht-Gry MicroxIn Dns Micrite (w/Pyr Inclus) Fos (Crin, Fuss) Chalky Sh Char-Gry-Maroon Soft No Odor No Flor No Stn NS</p> <p>Ls Gry-Crm-Wht MicroxIn Dns Micrite Qtz SS Wht Well-Gry (w/ Carb Includ) Rd VFGrn Well Sort Fos (Crin, Fuss) Chalk (Abd) Sh Char-Gry-Maroon-Aqua Soft No Odor No Flor No Stn NS</p> <p>Sh Gry Soft "Gummy" Grad Blk Carb Fissil Ls Gry-Crm MicroxIn Dns Micrite Chalky No Odor No Flor No Stn NS</p> <p style="text-align: center;"><b>HOWARD 2825' (- 892)</b></p> <p>Ls Crm-Wht-Gry MicroxIn Dns Micrite Fos (Crin, Fuss) Chalky Sh Gry (Abd)-Maroon "Gummy" Soft No Odor No Flor No Stn NS</p> <p>Ls Crm-Gry MicroxIn Dns Micrite Fos (Crin, Fuss) Chalky Sh Gry-Maroon "Gummy" Soft No Odor No Flor No Stn NS</p> <p>Sh Char-Gry- Maroon-Aqua-Yell Soft Ls Grv-Crm-Wht MicroxIn Dns</p>	
	2850				

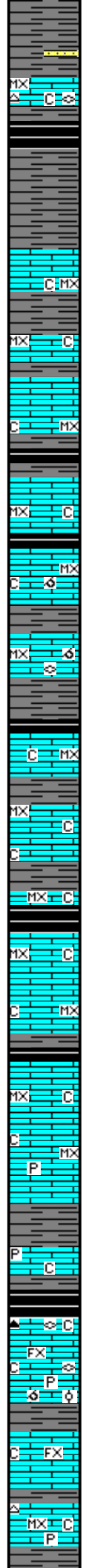


2900

2950

3000

3050



Micrite Grad Poor OOL Por (w/Small OOids in pl) Poor Dissolu Qtz SS  
 Wht Well-Gry (w/ Carb Includ) Rd VFGrn Well Sort Fos (Crin, Fuss) Chalk  
 (Abd) No Odor No Flor No Stn NS

Ls Crm-Gry MicroIn Dns Micrite Chalky Sh Gry-Char-Maroon "Gummy"  
 Soft-Blk Carb Fissil Fos (Fuss) No Odor No Flor No Stn NS

Sh Blk Carb Fissil-Gry Soft Ls Gry-Crm-Wht MicroIn Dns Micrite Cht  
 Wht-Gry Op Shp Vit Chalk No Odor No Flor No Stn NS

Sh Gry Soft Ls Crm-Wht MicroIn Dns Micrite Chalk (Abd) No Odor No  
 Flor No Stn NS

**TOPEKA 2886' (- 953)**

Ls Crm-Gry MicroIn Dns Micrite Chalky Sh Gry-Char-Aqua "Gummy"  
 Soft No Odor No Flor No Stn NS

Ls Crm-Gry-Wht MicroIn Dns Micrite Chalky Sh Gry-Char "Gummy"  
 Soft-Fissil No Odor No Flor No Stn NS

Sh Gry-Char "Gummy" Soft-Fissil Ls Crm-Gry-Wht MicroIn Dns Micrite  
 Chalky No Odor No Flor No Stn NS

Ls Crm-Gry-Wht MicroIn Dns Micrite Chalky Sh Gry-Char "Gummy"  
 Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Wht MicroIn Dns Micrite Grad Poor OOM Por (w/ Small  
 OOids in pl) Poor Dissolu Chalky Sh Gry-Char "Gummy" Soft-Fissil No  
 Odor No Flor No Stn NS

Sh Gry-Char "Gummy" Soft-Fissil Ls Crm-Tan-Wht MicroIn Dns Micrite  
 Grad Poor OOM Por (w/ Small OOids in pl) Poor Dissolu Cht Wht-Tan Op  
 Shp Vit Fos (Fuss) Chalky No Odor No Flor No Stn NS

Sh Gry-Char-Blk Carb Soft-Fissil Ls Crm-Tan-Wht MicroIn Dns Micrite  
 Chalky No Odor No Flor No Stn NS

Sh Gry-Char Soft-Fissil Ls Crm-Tan-Wht MicroIn Dns Micrite Grad Poor  
 Igran Por Chalky No Odor No Flor No Stn NS

Sh Gry-Char Soft-Fissil Ls Crm-Tan-Wht MicroIn Dns Micrite Grad Poor  
 Igran Por Chalky No Odor No Flor No Stn

Sh Gry-Char Soft-Fissil Ls Crm-Tan-Wht MicroIn Dns Micrite Grad Poor  
 Igran Por Chalky No Odor No Flor No Stn NS

Sh Gry-Char-Blk Carb Soft-Fissil Ls Crm-Tan-Wht MicroIn Dns Micrite  
 Chalky No Odor No Flor No Stn NS

Ls Wht -Crm-Tan MicroIn Dns Micrite Grad Poor Igran Por Chalky Sh  
 Gry-Char Soft-Fissil No Odor No Flor No Stn NS

Sh Gry-Char Soft-Fissil Ls Wht -Crm-Tan FxIn Dns Micrite (w/Pyr Includ)  
 Grad Poor Igran Por Chalky No Odor No Flor No Stn NS

Sh Gry-Char Soft-Fissil Ls Wht -Crm-Tan FxIn Dns Micrite (w/Pyr Includ)  
 Grad Poor Igran Por Chalky No Odor No Flor No Stn NS

30" CFS @ 3050' Ls Tan-Crm-Gry FxIn Dns Micrite Cht Amber Translu  
 Shp Vit Fos (Fuss) Abd Chalky Sh Gry Soft No Odor No Flor No Stn NS

60" CFS @ 3050' Ls Tan-Crm-Gry FxIn Dns Micrite (w/Pyr Includ) Grad  
 Poor OOM Por (w/Small OOids in pl) Fos (Fuss) Abd Chalk (Abd) Sh Gry  
 Soft No Odor Sli ? Scat Min Flor (lt Grn) No Stn NS

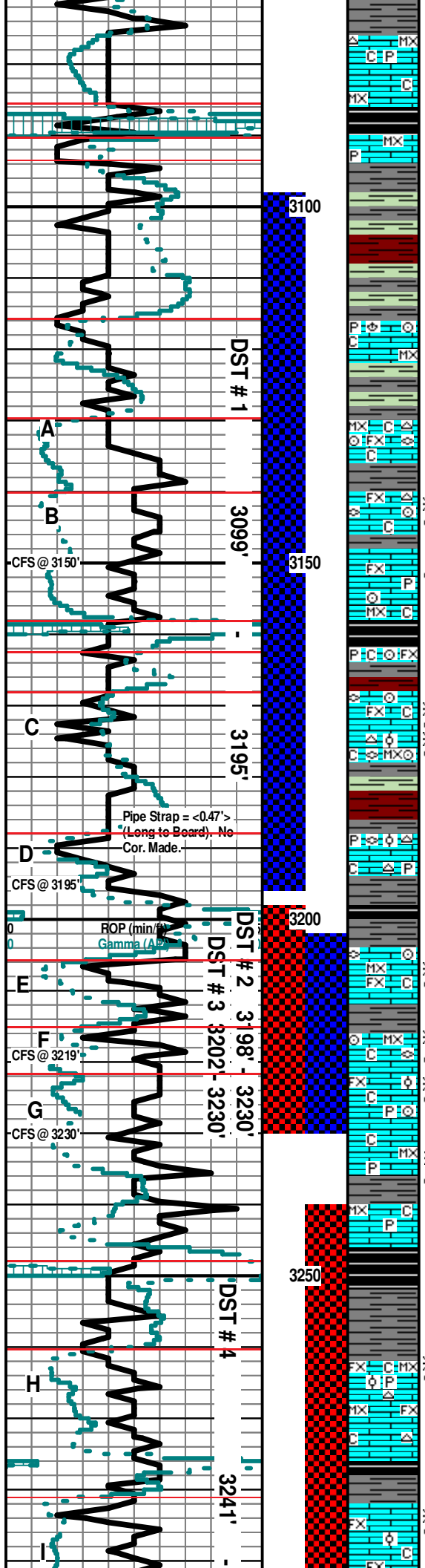
Ls Gry-Tan-Crm FxIn Dns Micrite Fos (Fuss) VAbd Chalky Sh Gry Soft  
 No Odor No Flor No Stn NS

Ls Wht-Crm-Tan-Gry MicroxxIn Dns Micrite Cht Wht-Amber Translu-Op  
 Shp Vit Fos (Brach) Pyr Mass Chalky Sh Gry Soft No Odor No Flor No  
 Stn NS

---DST # 1---

Interval: 3099' - 3195'.  
 Times: 5"-60"-60"-60".  
 Blow: IF=Weak/2". No  
 Blow Back During ISIP. FF=  
 No Blow. No Blow Back  
 During FSIP.  
 Recovery: 70' M (w/O  
 Spots) (100% M).  
 Pressures:  
 IH = 1562#;  
 FH = 1532#;  
 IF = 95-112#;  
 FF = 88-98#;  
 ISIP = 1098#;  
 FSIP = 930#;  
 TEMP. = 105 degrees F..

Mudco Mud Ck @  
 3,128'  
 9:15 AM  
 7/12/2014  
 Vis = 56  
 WT = 8.9  
 PV = 12  
 YP = 29  
 WL = 6.4  
 Chl = 900  
 Cal = Tr  
 Sol = 4.3%.  
 LCM = 2#  
 DMC = \$2,274.90  
 CMC = \$7,774.85



Translu-Op Shp Vit Chalky Sh Gry Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Tan-Gry Microxln Dns Micrite Cht Gry Translu-Op Shp Vit Chalky Sh Gry Fissil No Odor No Flor No Stn NS  
**HEEBNER 3086' (- 1153)**

Sh Blk Carb Fissil Ls Wht-Crm-Tan-Gry Microxln Dns Micrite (w/Pyr Includ) Chalky No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry Microxln Dns Micrite (w/Pyr Includ) Chalky Fos (Brach Pry) Sh Gry/Grn "Gummy"-Tr Blk Carb Fissil No Odor No Stn Sli ? Min Flor NS  
 Sh Gry/Grn "Gummy"-Red- Soft (Wash Red)-Tr Blk Carb Fissil Ls Wht-Crm-Tan-Gry Microxln Dns Micrite (w/Pyr Includ) Chalky No Odor No Stn No Flor NS

**TORONTO 3116' (- 1183)**

Ls Wht-Crm-Tan Microxln Dns Micrite Fos (Brach, Crin) Pyr Mass Chalky Sh Gry/Grn-Red Soft (Wash Red)-Tr Blk Carb Fissil No Odor No Stn Sli ? Min Flor NS

**LANSING 3130' (- 1197)**

Ls Wht-Crm-Tan Microxln Dns Micrite Fos (Crin, Fuss) Cht Wht Op Shp Vit Chalky Sh Gry/Grn Fissil No Odor No Stn Sli ? Min Flor NS  
 30" CFS @ 3150' Ls Wht-Crm-Tan Fxln Dns Micrite Grad Poor-Fair OOL Por (w/Small OOids in pl) Poor Dissolu Fos (Crin, Fuss) Cht Wht Op Shp Vit Chalky Sh Gry/Grn Fissil No Odor Sli Flor (Lt Grn) NS  
 60" CFS @ 3150' Ls Wht-Crm-Tan Fxln Dns Micrite Grad Poor Vug Ixln Por (w/SG & SFO (Lt Brn) Gas & Oil Do Not Flor) Grad Poor OOL Por (w/Small OOids in pl) Poor Dissolu Fos (Crin, Fuss) Pyr Mass Cht Wht Op Shp Vit Chalky Sh Gry/Grn Fissil ? Lt Brn Stn Fair-Med Odor Sli Flor (Lt Grn) SG & SO

Ls Wht-Tan Microxln Dns Micrite Barren Pyr Mass Fos (Crin) Chalky Sh Char-Blk Carb Fissil Med-Good Odor No Stn Med Scat Min Flor (Lt Grn) NS

Ls Wht-Tan Microxln Dns Micrite Barren Pyr Mass Fos (Crin) Chalky Sh Char-Blk Carb Fissil Med-Good Odor No Stn Med Scat Min Flor (Lt Grn) NS

Ls Wht-Crm-Tan Fxln Dns Micrite Grad Poor Vug Ixln Por (w/SG & SFO (Lt Brn) Gas & Oil Do Not Flor) Grad Poor-Fair OOL Por (w/Med OOids in pl) Fair Dissolu Fos (Crin, Fuss) Cht Wht Op Shp Vit Chalky Sh Gry/Grn Fissil Lt Brn Stn Med Odor Sli Flor (Lt Grn) SG & SFO

30" CFS @ 3195' Ls Crm-Gry-Tan-Wht Microxln Grad Poor OOL Por (w/Small-Med OOids Includ in pl) SSG & SSO (Lt Brn) AA Cht Wht Op Shp Vit Pyr Mass Sh Gry-Red (Wash Red) Faint Odor Scat Flor Tr Lt Brn Stn SG & SSO

60" CFS @ 3195' Ls Wht-Tan Microxln Dns Micrite Barren Pyr Mass Fos (Fuss) Cht Wht Op Shp Vit Chalky Sh Char-Gry-Red Soft-Fissi No Odor No Stn Sca? Min Flor (Lt Grn) NS

30" CFS @ 3219' Ls Wht-Crm-Tan Fxln-Microxln Dns Micrite Grad Poor-Fair Ixln Por (w/SSG & ? Lt Brn Stn) Fos (Crin, Fuss) Chalky Abd Sh AA "Gummy" Soft Fair Inc Odor Sli ? Min Flor Sli Stn AA SSG

60" CFS @ 3219' Ls Wht-Crm-Tan Fxln-Microxln Dns Micrite Grad Poor-Fair Ixln Por Fos (Crin, Fuss) Chalky Sh AA No Odor Sli ? Min Flor NS

30" CFS @ 3230' Ls Wht Fxln Fair Vug (Small Leached) InterOOL (w/Small OOids in pl) Por Poor-Fair Dissolu (w/FSG & SFO (Sli SFO Lt Brn Droplets w/Sat Lt Brn Stn) (Gas & Oil Do Not Flor) Pyr Mass Fos (Crin) Chalk Fair-Med Odor Fair Scat ? Flor SG & SFO

60" CFS @ 3239' Ls Wht Fxln Fair Vug (Small Leached) InterOOL (w/Small OOids in pl) Por Poor-Fair Dissolu (w/FSG & SFO (Sli SFO Lt Brn Droplets w/Sat Lt Brn Stn) (Gas & Oil Do Not Flor) Pyr Mass Fos (Crin) Chalk Fair-Med Odor Fair Scat ? Flor SG & SFO

Ls Wht-Crm-Tan-Gry Microxln Dns Micrite Grad Poor Pin-Pt Ixln Tr Vug Por (w/SG & SFO) Med-Good Odor Fos (Crin) Pyr Mass Chalky Sh Gry-Maroon- Aqua Soft-Fissil Fair Flor Scat Stn (Lt Brn) Good Odor SG & SFO

Ls Wht-Crm-Tan-Gry Microxln Dns Micrite Grad Fos (Crin) Pyr Mass Chalky Sh Char-Gry-Aqua Soft-Fissil Fair Flor No Stn No Odor NS

**MUNCIE CREEK 3246' (- 1313)**

Sh Blk Carb-Gry-Aqua-Maroon Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Tan-Gry Microxln-Fxln Dns Micrite Grad Fair Pin-Pt Ixln Por Grad Med OOL (w/Med OOids in pl) (w/SG & SFO) Pyr Mass Faint-Med Odor Fair Flor SG & SFO

Ls Wht-Tan-Gry Microxln Dns Micrite Barren Cht Wht-Gry Translu-Op Shp Vit Pyr Mass Chalky Sh Gry "Gummy" Soft No Odor No Stn Fair Flor NS

Sh Blk Carb Fissil-Gry "Gummy"-Soft Ls Wht-Tan-Gry Microxln Dns Micrite Barren Cht Wht-Gry Translu-Op Shp Vit Pyr Mass Chalky ? Faint Odor Lt Brn Stn Faint Flor NS

Ls Wht-Crm Fxln Med-Good OOL Vug Por (w/Med-Lg OOids in pl) Med-Good Dissolu (w/SG & SFO) Fair-Med Odor Good Stn Sat (Lt Brn Stn) Gas & Oil Do Not Flor Chalky Sh AA GSG & GSFO

~DST # 2~  
 Interval: 3198'- 3230'.  
 Times: 5'-60".  
 Blow: IF=Weak/1/4". No Blow Back During ISIP.  
 Miss-Run During FF & FSIP (SI Tool Failure).  
 Recovery: 5' M (w/O Spots); Pressures:  
 IH = 1562#;  
 FH = 1500#;  
 IF = 36-56#;  
 FF = NA;  
 ISIP = 859#;  
 FSIP = NA;  
 TEMP. = 103 degrees F..

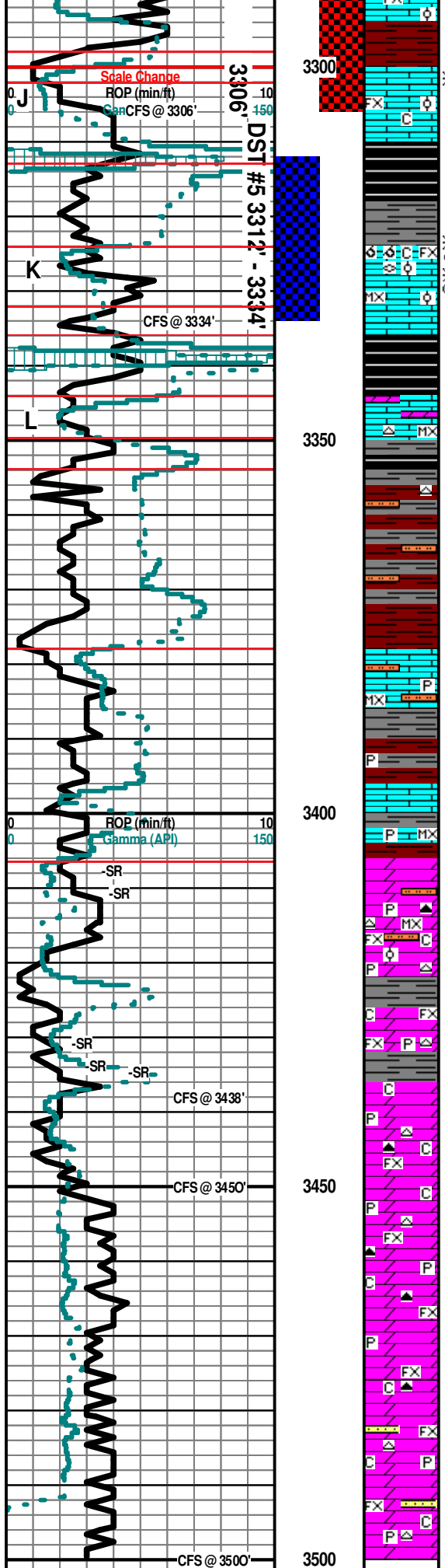
~DST # 3~  
 Interval: 3202'- 3230'.  
 Times: 90"- 120".  
 Blow: IF=Weak/2 1/4". No Blow Back During ISIP.  
 Recovery: 63' TF (60' WCM (w/O Spots) (85% M & 15% W)); & 3' SWOCM (20% O, 10% W & 70% M).  
 Pressures:  
 IH = 1602#;  
 FH = 1505#;  
 IF = 33-49#;  
 FF = NA;  
 ISIP = 827#;  
 FSIP = NA;  
 TEMP. = 105 degrees F..  
 Chl. = 34,000 Ppm;  
 API Rw= .37 @ 68 degrees F..

Mudco Mud Ck @  
 3,230'  
 9:10 AM  
 7/13/2014  
 Vis = 58  
 WT = 9.1  
 PV = 10  
 YP = 30  
 WL = 6.8  
 Chl = 1800  
 Cal = Tr  
 Sol = 5.7%  
 LCM = 2#  
 DMC = \$0,00  
 CMC = \$7,774.85

~DST # 4~  
 Interval: 3241'- 3306'.  
 Times: 5'-60"-60"-60".  
 Blow: IF=Weak/ 1/8". No Blow Back During ISIP. FF= No Blow. No Blow Back During FSIP.  
 Recovery: 10' TF: 5'SOCM (10% O & 90% M); 5' CO (100% O).  
 Pressures:  
 IH = 1621#;  
 FH = 1583#;  
 IF = 32-34#;  
 FF = 38-34#;  
 ISIP = 930#;  
 FSIP = 692#;  
 TEMP. = 103 degrees F..  
 A. P. I. Grv. = 32 degrees (Cor.).

Mudco Mud Ck @





30" CFS @ 3306' Ls Wht-Crm FxIn Med-Good OOL Vug Por (w/Med-Lg OOids & Fos (Crin) in pl) Med-Good Dissolu (w/GSG & SF) Fair-Med Odor Good Stn Sat (w/Lt Brn Stn) Chalky Sh Red Soft (Wash Red) Gas & Oil Do Not Flor Fair Odor Med Stn (Lt Brn) MSG & MSFO

**STARK 3310' (- 1377)**

Ls Wht-Crm FxIn Fair IxIn Pin-Pt "Salt & Pepper" (w/Tr Small-Med Vug) Por (w/S&G & SF) Grad Med OOL/OOM Por (w/Med OOids in pl) Med Dissolu Pyr Mass Fos (Fuss) Chalky Sh Blk Carb-Gry Fissil Med Odor (Gas & Oil Do Not Flor) Sli Scat Flor (Lt Grn) Fair InterOOLStn (Lt Brn w/Tr Gillsionitic "Dead" Blk Stn) (Under Heat in Wtr) FSG & FSFO

30" CFS @ 3334' Ls Wht-Crm FxIn-MicroIn Fair IxIn Pin-Pt "Salt & Pepper" (w/Tr Small Vug) Por (w/S&G & SF) Fos (Fuss) Chalky Sh Char-Gry-Blk Fissil AA Sli Scat Flor (Lt Grn) Fair Odor Lt Brn Stn SG & SF

60" CFS @ 3334' Ls Wht-Crm FxIn-MicroIn Tr Fair IxIn Pin-Pt Por (w/SSG & SSFO) Fos (Fuss) Chalky Sh AA Sli Scat Flor (Lt Grn) Fair Dec Odor Stn AA SSG & SSFO

Sh Blk Carb-Gry Fissil Ls Wht-Crm MicroIn Dns Micrite Barren Fos (Crin) Pyr Mass No Odor No Stn No Flor NS

**BASE KANSAS CITY 3350' (- 1417)**

Blk Carb-Char-Gry-Red-Aqua Soft-FissilLs/Dolo Wht-Crm MicroIn Dns Micrite Cht Wht Op Shp Vit Sstn Maroon Barren Sh No Odor No Stn No Flor NS

Sh Gry-Red (Abd) Fissil Ls Wht-Crm MicroIn Dns Micrite Barren Grad Poor IxIn Por Sstn Maroon Barren No Odor No Stn No Flor NS

Sh Gry-Red (Abd) Fissil Ls Wht-Crm MicroIn Dns Micrite Barren Grad Poor IxIn Por No Odor No Stn No Flor NS

Ls Wht-Crm MicroIn Dns Micrite Barren Grad Poor IxIn Por Pyr Mass Sstn Maroon Barren Sh Gry-Red Fissil No Odor No Stn No Flor NS

Sh Gry-Red Fissil Ls Wht-Crm MicroIn Dns Micrite Barren Grad Poor IxIn Por Pyr Mass Sstn Maroon Barren (Wash Red) No Odor No Stn No Flor NS

Ls/Dolo MicroIn Dns Micrite (w/Pyr Includ) Barren Poor IxIn Por Sh Varicolored Red-Maroon-Char-Gry-Aqua Soft-Fissil No Odor Scat? Min Flor (Dull Lt Grn) No Stn NS

**ARBUCKLE 3406' (- 1473)**

Dolo Wht-Crm MicroIn-FxIn Dns Micrite (w/Pyr Includ) Grad Poor IxIn Por Barren Cht Amber-Tan-Red Translu-Op Shp Vit Chalk Sstn Maroon AA Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Fair Flor (Dull Lt Grn) No Stn NS

30" CFS @ 3438' Dolo Wht-Crm FxIn Dns Micrite (w/Pyr Includ) Grad Fair Granular-IxIn Por Barren Cht Amber-Tan (w/Small OOid Includ) Translu-Op Shp Vit Chalk Sh Char-Gry-Red Soft-Fissil No Odor Fair Flor (Dull Lt Grn) No Stn NS

60" CFS @ 3438' Dolo Wht-Crm FxIn Dns Micrite (w/Pyr Includ) Grad Fair Granular-IxIn-Sucrosic Por Barren Cht Amber-Tan (w/Small OOid Includ) Translu-Op Shp Vit Chalk Sh Char-Gry-Red Soft-Fissil No Odor Fair Flor (Dull Lt Grn) No Stn NS

60" CFS @ 3450' Dolo Wht-Crm FxIn Dns Micrite (w/Pyr Includ) Grad Poor-Fair IxIn Por Barren Cht Wht-Red Op Shp Vit Pyr Mass Chalk Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Fair Flor (Dull Lt Grn) No Stn NS

Dolo Wht-Crm FxIn Dns Micrite (w/Pyr Includ) Grad Poor-Fair IxIn Por Barren Cht Lt Red Op Shp Vit Pyr Mass Chalk Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Fair Flor (Dull Lt Grn) No Stn NS

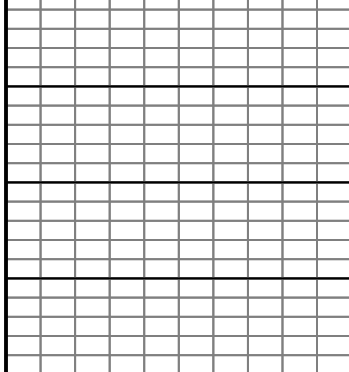
Dolo Wht-Crm FxIn Dns Micrite (w/Pyr Includ) Grad Poor-Fair IxIn Por Barren Cht Lt Red Op Shp Vit Pyr Mass Chalk Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Poor Flor (Dull Lt Grn) Dec No Stn NS

Dolo Wht-Crm FxIn Dns Micrite (w/Pyr Includ) Grad Poor-Fair IxIn Por Barren Cht Lt Red Op Shp Vit Pyr Mass Chalk Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Poor Flor (Dull Lt Grn) Dec No Stn NS

30" CFS @ 3500' Dolo Wht (w/Glacu Includ)-Crm-Tan FxIn Dns Micrite (w/Pyr Includ) Grad Poor-Fair IxIn Por Barren Cht Tan Op Shp Vit Qtz Ss Wht (w/Glacu Includ) Sub Ang to Well Rounded Food IGran Por In CaCo3 Cmt Matrix Barren Pyr Mass Chalk Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Tr Flor (Dull Lt Grn) Dec No Stn NS

60" CFS @ 3500' Dolo Wht (w/Glacu Includ)-Crm-Tan FxIn Dns Micrite (w/Pyr Includ) Grad Poor-Fair IxIn Por Barren Cht Tan Op Shp Vit Qtz Ss Wht (w/Glacu Includ) Sub Ang to Well Rounded Food IGran Por In CaCo3 Cmt Matrix Barren Pyr Mass Chalk Sh Char-Gry-Red-Aqua Soft-Fissil No Odor Tr Flor (Dull Lt Grn) Dec No Stn NS

3,306'	8:45 AM
7/14/2014	
Vis = 52	
WT = 9.0	
PV = 10	
YP = 30	
WL = 7.2	
Chl = 1,800	
Cal = Tr	
Sol = 5.6%	
LCM = 2#	
DMC = \$0,00	
CMC = \$7,774.85	
---DST #5---	
Interval: 3312' - 3334'	
Times: 5"-60"-60"-60"	
Blow: IF=Weak/ 1/4". No	
Blow Back During ISIP. FF=	
No Blow. No Blow Back	
During FSIP.	
Recovery: 2' VSOCM (5% O	
& 95% M).	
Pressures:	
IH = 1616#;	
FH = 1583#;	
IF = 27-26#;	
FF = 27-27#;	
ISIP = 58#;	
FSIP = 34#;	
TEMP. = 105 degrees F.	
Mudco Mud Ck @	
3,335'	
9:00 AM	
7/15/2014	
Vis = 59	
WT = 9.1	
PV = 10	
YP = 33	
WL = 7.2	
Chl = 1,700	
Cal = Tr	
Sol = 5.7%	
LCM = 2#	
DMC = \$0,00	
CMC = \$7,774.85	



2550

