



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

**Well Name:** FARR TRUST "B" #1-14  
**API:** API #: 15-163-24,231-00-00  
**Location:** Sec. 31 - T 11S - R 19 W,  
**License Number:** KCC # 5003  
**Spud Date:** 06/30/2014  
**Surface Coordinates:** 330' FNL & 330' FEL

**Region:** ROOKS CO., KS.  
**Drilling Completed:** 7/08/2014

**Bottom Hole  
Coordinates:**  
**Ground Elevation (ft):** 1955'      **K.B. Elevation (ft):** 1960'  
**Logged Interval (ft):** 219'      **To:** 3499'      **Total Depth (ft):** 3500'  
**Formation:** Pre-Cambrian Granite  
**Type of Drilling Fluid:** Chemical/Polymer/Gel & Mud Displacement at 2700'.

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

**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::**

Ran 5 joints of new 8-5/8" 23# surface casing. Tally 211.14'. Set at 220.14' 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; @ 3170'= 3/4 degree; @ 3500' = 1 degree.

## DSTs

~~DST #1~~ Interval: 3112'- 3170'. Times: 5" - 60" - 90" - 120".

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

Recovery:100'SOSM (1% O & 99% M ) & (w/SFO in Test Tool).

Pressures: IH=1498#; FH=1489#; IF=44-49#; FF=57-88#; ISIP=1269#; FSIP=961#. TEMP.=108 degrees F..

~~DST # 2~~ Interval: 3170'- 3236'. Times: 5"-60"-90"-120".

Blow: IF=Good/8". No Blow Back During ISIP. FF= BOB Blow/5". Two Inch Blow Back During FSIP & GTS (TSTM)/ 75". Blow back Died @ 70" on FSIP.

Recovery: 2142' GIP. TF: 859' (776' CO (100% O); 63' SOCGM (35% G, 5% O & 60% M); 20' SOSMW (2% O,10% M & 88% W)).

Pressures: IH=1508#; FH=1488#; IF=36-64#; FF=78-267#; ISIP = 1031#; FSIP=917#: TEMP.=110 degrees F.; Chl.=10,000 Ppm; API Grv.= 31.8 (Cor.). API Rw = 0.5 @ 88.6 degrees F..

~~DST # 3~~ Interval: 3260'- 3335'. Times: 5"-60"-90"-120".

Blow: IF=BOB/1.5". No Blow Back During ISIP. FF= Strong Blow BOB/1.5". GTS (TSTM)/30". Five Inch Blow Back During FSIP .

Recovery: 1364' GIP. TF: 1818': (1694' CO (100% O); 124' SOCMW (10% O, 10% M & 80% W)). Reversed Out Fluid to Evac Truck: Grindout: @ 60"= (80% O, 10% M & 10% W); @ 90" = (60% O, 10% M & 30% W).

Pressures: IH=1572#; FH=1513#; IF=137-200#; FF=207-743#; ISIP=897#; FSIP=846#: TEMP.=112 degrees F.; Chl.=1200 Ppm; API Grv=29.6 (Cor.). API Rw =3.72 @ 78.2 degrees F..

~~DST # 4~~ Interval: 3328' -3350'. Times: 5"-60"-30"-30". Blow: IF=Weak Blow/ 1/4" & Died. No Blow Back During ISIP. FF=No Blow. No Blow Back During FSIP.

Recovery: TF: 10' SOCM (10% O, 90% M (w/SFO in Tool)).

Pressures: IH=1617#; FH=1525#; IF=25-24#; FF=26-28#; ISIP =860#; FSIP=554#. TEMP.=106 degrees F..




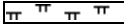
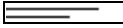
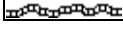




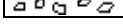




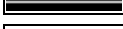


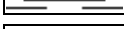
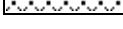



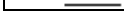
## Comments

After review of all geologic samples as examined, combined with the fluid and pressures results from all drill stem tests taken and analysis from the electric logs run, it was determined by all parties that production casing be run in order to further evaluate this well.

Respectfully submitted,

David P. Williams, P.G.

## 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
  - Arggrn
  - Arg
  - Bent
  - Bit
  - Brecrefrag
  - Calc
  - Carb
  - Chtdk
  - Chtlt
  - Dol
  - Feldspar
  - Ferrpel
  - Ferr
  - Glau
  - Gyp

- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

- FOSSIL**
- Algae
  - Amph

- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Fuss
- Gastro
- Oolite
- Oomold
- Ostra
- Pelec

- Pellet
  - Pisolite
  - Plant
  - Strom
- STRINGER**
- Anhy
  - Arg
  - Bent
  - Coal
  - Dol
  - Gyp
  - Ls
  - Mrst
  - Sltstrg
  - Ssstrg

- TEXTURE**
- Boundst
  - Chalky
  - Cryxln
  - Earthy
  - Finexln
  - Grainst
  - Lithogr
  - Microxln
  - Mudst
  - Packst
  - Wackest

**OTHER SYMBOLS**

- POROSITY**
- Earthy
  - Fenest
  - Fracture
  - Inter
  - Moldic
  - Organic
  - Pinpoint

- Vuggy
- SORTING**
- Well
  - Moderate
  - Poor

- ROUNDING**
- Rounded
  - Subrnd
  - Subang
  - Angular

- Even
- Spotted
- Ques
- Dead

- Dst
- Dst\_alt

- EVENT**
- Rft
  - Sidewall

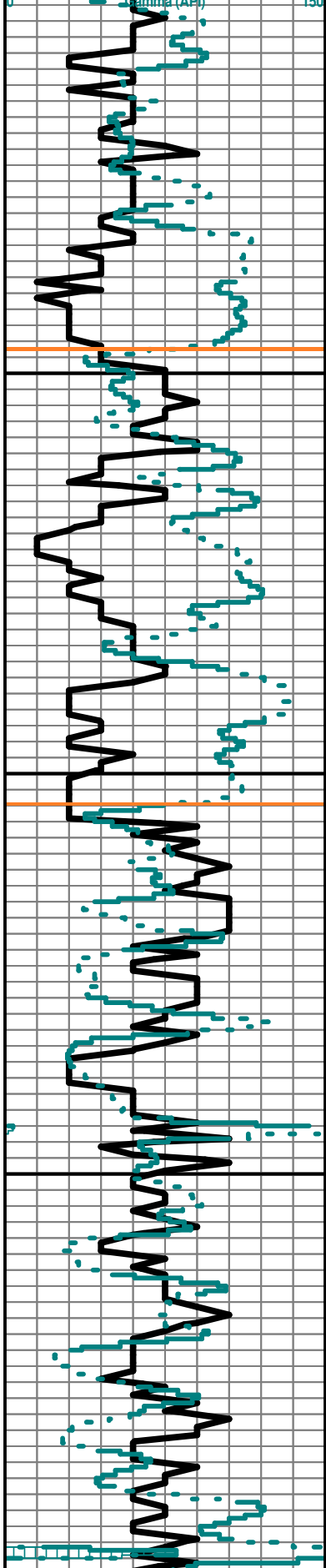
- OIL SHOW**
- Gas show
- INTERVAL**
- Red line
  - Core

Curve Track 1		Depth	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5
ROP (min/ft)	Gamma (API)					
0	150	2700			<p>McCoy Petroleum Corporation                      FARR TRUST 'B' #1-14                      NE - NE - NE                      330' FNL &amp; 330' FEL                      Sec. 14 - T 7 S - R19 W                      Rooks County, KS                      API: 15-163-24,231-00-00                      Murfin Drilling: Rig #24                      Elevations: 1960' KB; 1955' GL                      Geologist: David P. Williams</p> <p>Geologist on location: 2651' @ 5:20 PM on 7/3/2014                      Stone Corral Anhydrite Sample Top = 1470' (+ 490)                      Stone Corral Anhydrite Sample Base = 1500' (+ 460)                      Stone Corral Anhydrite Electric Log Top = 1467' (+ 493)                      Stone Corral Anhydrite Electric Log Base = 1498' (+ 462)</p> <p>DEVIATION SURVEYS: @ 220' = 1/2 degree; @ 3170' = 3/4 degree; @ 3500' = 1 degree.</p>	<p>MUD DISPLACEMENT @ 2700'</p> <p>Mudco Mud Ck @ 2,350'</p> <p>8:35 AM 7/3/2014</p> <p>Vis = 29</p> <p>WT = 9.3</p> <p>PV = NC</p> <p>YP = NC</p> <p>WL = NC</p> <p>Chl = 42,000</p> <p>Cal = Hvy</p> <p>Sol = 4.6%</p> <p>LCM = NIL#</p> <p>DMC = \$4,834.00</p> <p>CMC = \$6,032.70</p>
		2750				

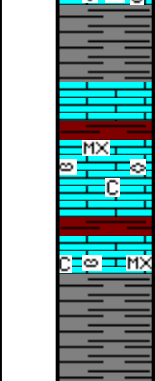
NOTE: ALL SAMPLES HAVE BEEN LAGGED TO DEPTH BY CALCULATED TIME.

Begin 10' Sample Examination at 3000'

ROP (min/ft)  
Gamma (API)



2800



Ls Gry-Crm MicroxIn Dns Micrite Fos (Crin, Fuss) Chalky Sh Gry Soft No Odor No Flor No Stn NS

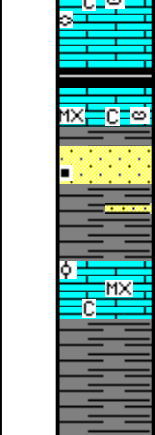
Ls Crm-Wht-Gry MicroxIn Dns Micrite (w/Pyr Includ) Fos (Crin, Fuss) Chalky Sh Char-Gry-Maroon Soft No Odor No Flor No Stn NS

Ls Gry-Crm-Wht MicroxIn Dns Micrite Qtz SS Wht Well-Gry (w/ Carb Includ) Rd VFGn Well Sort Fos (Crin, Fuss) Chalk (Abd) Sh Char-Gry-Maroon-Aqua Soft No Odor No Flor No Stn NS

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

**HOWARD 2847' (- 887)**

2850



Ls Crm-Wht-Gry MicroxIn Dns Micrite Fos (Crin, Fuss) Chalky Sh Gry (Abd)-Maroon "Gummy" Soft No Odor No Flor No Stn NS

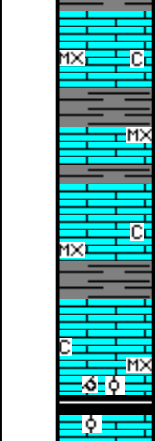
Ls Crm-Gry MicroxIn Dns Micrite Fos (Crin, Fuss) Chalky Sh Gry-Maroon "Gummy" Soft No Odor No Flor No Stn NS

Sh Char-Gry- Maroon-Aqua-Yell Soft Ls Gry-Crm-Wht MicroxIn Dns Micrite Grad Poor OOL Por (w/Small OOids in pl) Poor Dissolu Qtz SS Wht Well-Gry (w/ Carb Includ) Rd VFGn Well Sort Fos (Crin, Fuss) Chalk (Abd) No Odor No Flor No Stn NS

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

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

2900



**TOPEKA 2904' (- 944)**

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

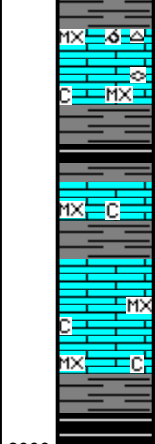
Ls Crm-Gry-Wht MicroxIn Dns Micrite Chalky Sh Gry-Char "Gummy" Soft-Fissil No Odor No Flor No Stn NS

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

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

Ls Crm-Tan-Wht MicroxIn 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

2950



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

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

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

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

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

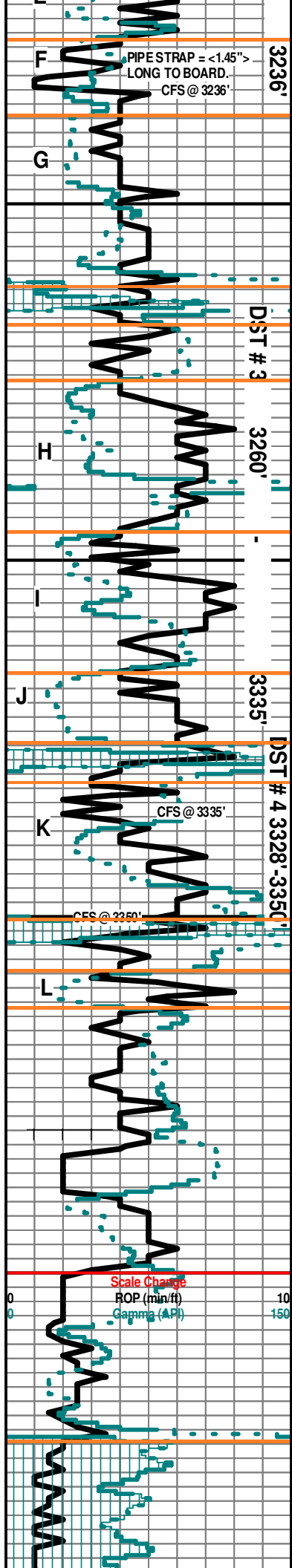
Mudco Mud Ck @

3,111'

9:50 AM 7/4/2014

Vic - 48





Leaching (w/GSG-Hvy Lt Brn Stn GSFO Under Wtr in Heat) Gas & Oil Do Flor Chalky Sh Gry-Aqua Med-Good Odor No Flor Sli Stn SSG & FSFO in tray

60" CFS @ 3236' Ls/Dolo Wht-Crm-Tan Fxln Fair Sucrosic (w/Vug Ixln Por Fair Leaching (w/SG-Lt Brn Stn SFO Under Wtr in Heat) Dec Show Chalky Sh Aqua Med Odor No Flor Sli Stn SSG & SSFO in Tray

Ls Wht-Crm-Tan-Gry MicroIxln Dns Micrite Grad Poor Pin-Pt IxlnTr 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) SSG & SFO

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

**MUNCIE CREEK 3210' (- 1250)**

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

Ls Wht-Crm-Tan- Gry MicroIxln-Fxln Dns Micrite Grad Fair Pin-Pt Ixln Por (w/SSG & SSFO) Pyr Mass Faint Odor Fair Flor SSG & SSFO

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

Ls Wht-Tan-Gry MicroIxln Dns Micrite Barren Cht Wht-Gry Translu-Op Shp Vit Pyr Mass Chalky Sh Gry "Gummy"-Blk Carb Soft-Fissil No Odor No Stn Faint Flor NS

Ls Wht-Crm Fxln Med-Good OOL Vug Por (w/Med-Lg OOids in pl) Med-Good Dissolu (w/GSG & SFO) Fair-Med Odor Good Stn Sat (2 Pcs w/ Lt Brn Stn) Gas & Oil Do Not Flor Chalky Sh AA GSG & GSFO

30" CFS @ 3335' Ls Wht-Crm Fxln Med-Good OOL Vug Por (w/Med-Lg OOids & Fos (Crin) in pl) Med-Good Dissolu (w/GSG & SFO) Fair-Med Odor Good Stn Sat (w/ Lt Brn Stn) Chalky Sh Red Soft (Wash Red) Gas & Oil Do Not Flor Faint Odor Fair Stn (Lt Brn) FSG & SFO

**STARK 3325' (- 1365)**

60" CFS @ 3335' Sh Blk Carb-Gry Fissil Ls Wht-Crm Fxln Fair Ixln Pin-Pt Por (w/SSG & SSFO) Fair-Med Odor Gas & Oil Do Not Flor Fair Stn (Lt Brn) SSG & SFO

60" CFS @ 3350' Ls Wht-Crm Fxln Fair Ixln Pin-Pt "Salt & Pepper" (w/Tr Small-Med Vug) Por (w/SG & SFO) Grad Med-Good OOL Por (w/Med-Lg OOids in pl) Med-Good Dissolu (Around OOids) Pyr Mass Chalky Sh Blk Carb-Gry Fissil Med-Good Odor (Gas & Oil Do Not Flor) Sli Scat Flor (Lt Grn) Fair InterOOL Stn (Lt Brn w/Tr Gillsontic "Dead" Blk Stn) FSG & FSFO

**HUSHPUCKNEY 3350' (- 1390)**

Sh Blk Carb-Gry Fissil Ls Wht-Crm MicroIxln Dns Micrite Barren Grad Poor OOM Por Poor Leaching Poor Develop Fos (Crin) Pyr Mass No Odor No Stn No Flor NS

**BASE KANSAS CITY 3363' (- 1403)**

Sh Blk Carb-Gry-Red (Abd) Fissil Ls Wht-Crm MicroIxln Dns Micrite Barren Grad Poor Ixln Por Fos (Brach) No Odor No Stn No Flor NS

Ls Wht-Crm MicroIxln Dns Micrite Barren Grad Poor Ixln Por Grad Poor OOM Por Poor Leaching Poor Develop Fos (Gastro) Sh Gry-Red (Abd) Fissil No Odor No Stn No Flor NS

Ls Wht-Crm MicroIxln Dns Micrite Barren Grad Poor Ixln Por Pyr Mass Sh Gry-Red Fissil No Odor No Stn No Flor NS

Sh Gry-Red (Abd) Fissil Ls Wht-Crm-Red/Org MicroIxln Dns Micrite Barren Grad Poor OOL Por (w/Small OOids in pl) No Dissolu Leaching No Odor No Stn No Flor NS

Ls Wht-Crm-Red/Org MicroIxln Dns Micrite Barren Grad Poor OOL Por (w/Small OOids in pl) No Dissolu Leaching Cht Vari- colored (Wht-Red-Gry- Amber-Tan) Translu-Op Shp Vit Pyr Mass (Abd) Sh Gry-Red AA Soft-Fissil No Odor No Stn No Flor NS

**GRANITE WASH 3422' (-1462)**

Ls Wht-Crm-Red/Org MicroIxln Dns Micrite Barren AA ? Granite Wash K-Feldspar Varicolored (Wht-Red -Gry) Translu-Op Shp Vit Sh Gry-Red-Gry/Grn (Drk Aqua)Soft-Fissil No Odor No Stn No Flor NS

Granite Debris K-Feldspar Varicolored Residue (Qtzite Clear Pink-Gry-Drk Gry) (w/Hornblend-Biotite Blk Incls) Translu-Op Shp Sh

WT = 9.2
PV = 10
YP = 20
WL = 7.6
Chl = 1,800
Cal = Tr
Sol = 6.4%
LCM = 1#
DMC=\$0.00
CMC=\$8,221.05

~DST # 3~

Interval: 3260' - 3335'

Times: 5"-60"-90"-120"

Blow: IF=BOB/1.5". No Blow Back During ISIP. FF= Strong Blow BOB/1.5". GTS (TSTM)/30". Five Inch Blow Back During FSIP.

Recovery: 1364' WIP.

TF: 1818': (1694' CO (100% O); 124' SOCMW (10% O, 10% M & 80% W)), Reversed Out Fluid to Evac Truck: Grin dout: @ 60"=(80% O, 10% M & 10% W); @ 90" = (60% O, 10% M & 30% W).

Pressures:

IH = 1572#;
FH = 1513#;
IF = 137-200#;
FF = 207-743#;
ISIP = 897#;
FSIP = 846#;
TEMP. = 112 degrees F.
Chl. = 1200 Ppm;
API Grv.= 29.6 (Cor.).
API Rw = 3.72 @ 78.2 degrees F.

~DST # 4 ~

Interval: 3328' - 3350'

Times: 5"-60"-30"-30"

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

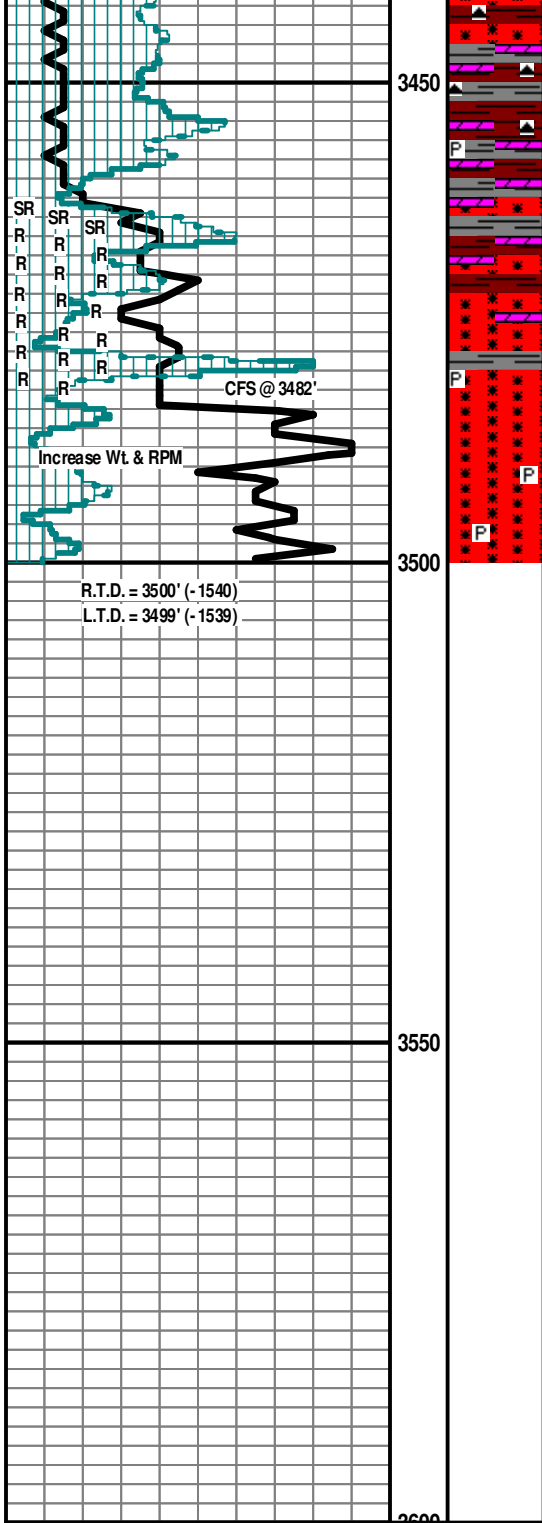
Recovery: TF: 10'SOCM (10% O, 90% M (w/SFO in Tool)).

Pressures:

IH = 1617#;
FH = 1525#;
IF = 25-24#
FF = 26-28#;
ISIP = 860#;
FSIP = 554#;
TEMP. = 106 degrees F.

Mudco Mud Ck @  
3,350' @ 7:15 AM  
7/7/2014

Vis = 42
WT = 9.1
PV = 13
YP = 11
WL = 8.4
Chl = 3,800
Cal = 20
Sol = 5.6%
LCM = 1#
DMC=\$28.60
CMC=\$8,249.65



4" Pink-Gry-Drk Gry (w/ Hornblend-Biotite Blk Incls) Translu-Op Sh Sh  
 Gry-Red-Gry/Grn (Drk Aqua) Soft-Fissil No Odor No Stn No Flor NS

Granite Debris Qtzite Clear-Varicolored K-Feldspar Pink-Org (w/ Blk  
 Hornblend & Biotite Incls (V Abd) (Will Cut Glass) Dolo (Tr Only 5 Pcs)  
 Wht-Crm MicroIn Dns Micrite Barren (Dolo Does Flor) Pyr Mass Sh  
 Red-Gry-Aqua Soft Fissil No Odor No Stn NS

30" CFS @ 3482' Granite Qtzite Clear-K-Feldspar Varicolored Wht-Pink-Red -Org (w/ Blk  
 Hornblend & Biotite Incls (V Abd) (Will Cut Glass) Dolo (Tr Only) Wht-Crm MicroIn Dns  
 Micrite Barren (Dolo Does Flor) Sh Red-Blk-Char (Tr Only) Fissil No Odor No Stn NS

60" CFS @ 3482' Granite Clear Qtzite-K-Feldspar Varicolored Wht-Pink-Red- Org Feldspar  
 (w/Blk Hornblend & Biotite Incls (V Abd) (Will Cut Glass) Dolo (Tr Only) Wht-Crm MicroIn  
 Dns Micrite Barren (Dolo Does Flor) Sh Red-Blk-Char (Tr Only) Fissil No Odor No Stn NS

30" CFS @ 3500' Granite Clear Qtzite-K-Feldspar Varicolored Wht-Pink- Red- Org Feldspar  
 (w/Blk Hornblend, Biotite & Pyr Incls) (V Abd) (Will Cut Glass) Sh Red-Blk-Char (Tr Only)  
 Fissil No Odor No Stn NS

60" CFS @ 3500' Granite Clear Qtzite-K-Feldspar Varicolored Wht-Pink-  
 Red- Org Feldspar (w/Blk Hornblend, Biotite & Pyr Incls) (V Abd) (Will  
 Cut Glass) Pyr Mass Sh Red-Blk-Char (Tr Only) Fissil No Odor No Stn NS

Electric Logs Run By Pioneer Logging: DualInduction; Compensated  
 Density-Neutron; Microresistivity; Sonic & Bottom Gamma-Ray Logs.

Geologist Left Location at: 8:00 AM on 07/08/2014