



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1234040
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Sec. _____ Twp. _____ S. R. _____ East West

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from North / South Line of Section

_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-_____-
Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1234040

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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McCoy Petroleum Corporation **ACO-1 Supplemental Information**
KOEHN "C" #1-20
API#: 15-119-21374-0000

SAMPLE TOPS

McCoy Petroleum Corp.
Koehn 'C' #1-20
SW SW NE
2970'FSL & 2310'FEL
Sec 20-30s-30w
KB: 2827'

	Depth	Datum
Heebner	4246	-1419
Toronto	4268	-1441
Lansing	4315	-1488
Lansing G	4608	-1781
Stark	4756	-1929
Swope Pors.	4764	-1937
Hushpuckney	4818	-1991
Hertha Pors.	4830	-2003
Marmaton	4912	-2085
Pawnee	5012	-2185
Ft Scott	5048	-2221
Cherokee	5060	-2233
Atoka	5274	-2447
Morrow Sh.	5320	-2493
Chester	5326	-2499
St Genevieve	5496	-2669
St Louis	5617	-2790
RTD	5750	-2923

LOG TOPS

McCoy Petroleum Corp.
Koehn 'C' #1-20
SW SW NE
2970'FSL & 2310'FEL
Sec 20-30s-30w
KB: 2827'

	Depth	Datum
Heebner	4247	-1420
Toronto	4264	-1437
Lansing	4316	-1489
Lansing G	4601	-1774
Stark	4756	-1929
Swope Pors.	4763	-1936
Hushpuckney	4818	-1991
Hertha Pors.	4836	-2009
Marmaton	4919	-2092
Pawnee	5013	-2186
Ft Scott	5048	-2221
Cherokee	5061	-2234
Atoka	5276	-2449
Morrow Sh.	5330	-2503
Chester	5334	-2507
St Genevieve	5495	-2668
St Louis	5635	-2806
LTD	5752	-2925



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

Well Name: KOEHN "C" #1-20
API: # 15 - 119 - 21,374 - 00 - 00
Location: SW-SW-NW of Sec. 20 - T. 30 S. - R. 30 W.
License Number: KCC # 5003
Spud Date: 09/22/2014
Surface Coordinates: SPOT: 2970' FSL & 2310' FEL

Region: MEADE CO., KS.
Drilling Completed: 09/30/2014

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2814' **K.B. Elevation (ft):** 2827'
Logged Interval (ft): **To:** **Total Depth (ft):** 5750'
Formation: MISSISSIPPIAN "ST. LOUIS"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL. & MUD DISPLACEMENT @ 3009'.

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 67206-2573

GEOLOGIST

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

CASING & DEVIATION

Surface Casing: Spud at 9:30 PM on 09/22/14. Drilled 12-1/4" to 1836'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1818'. Set at 1832' KB. Welded straps on shoe, bottom 3 joints and top 2 joints. Tacked collars on the remainder. (5) Centralizers on joints 1-3-5-7-9. Float insert in top of 1st joint. Cemented with 675 sks 65/35, 6% Gel 3% CC & 1/4# FS Tailed with 200 skx Class A 3% CC, 3% Gel & 1/4# FS. Cement did circulate. Plug down at 3:00 PM on 09/24/14. Allied Cementing ticket #61593.

Deviation Sruvey Taken: @ 1836' = 1 1/4 degrees; @ 5366' = 1 3/4 degree;

DSTs

~~DST # 1~~ Interval: 5272'-5366'. Times: 5''-60''-90''-120'';
Blow: IF= Weak/1 3/4". No Blow Back During ISIP. FF= Weak Blow 2''/Died @ 44". No Blow Back During FSIP.
Recovery: 125' TF: 60' OCM (5% O & 95% M); 65' M (w/Tr. O) (100% M).
Pressures: IH=2717#; FH=2609#; IF=30-36#; FF=71-100#; ISIP =508#; FSIP=196#; Temp.=127 degrees F..

Comments

ROCK TYPES

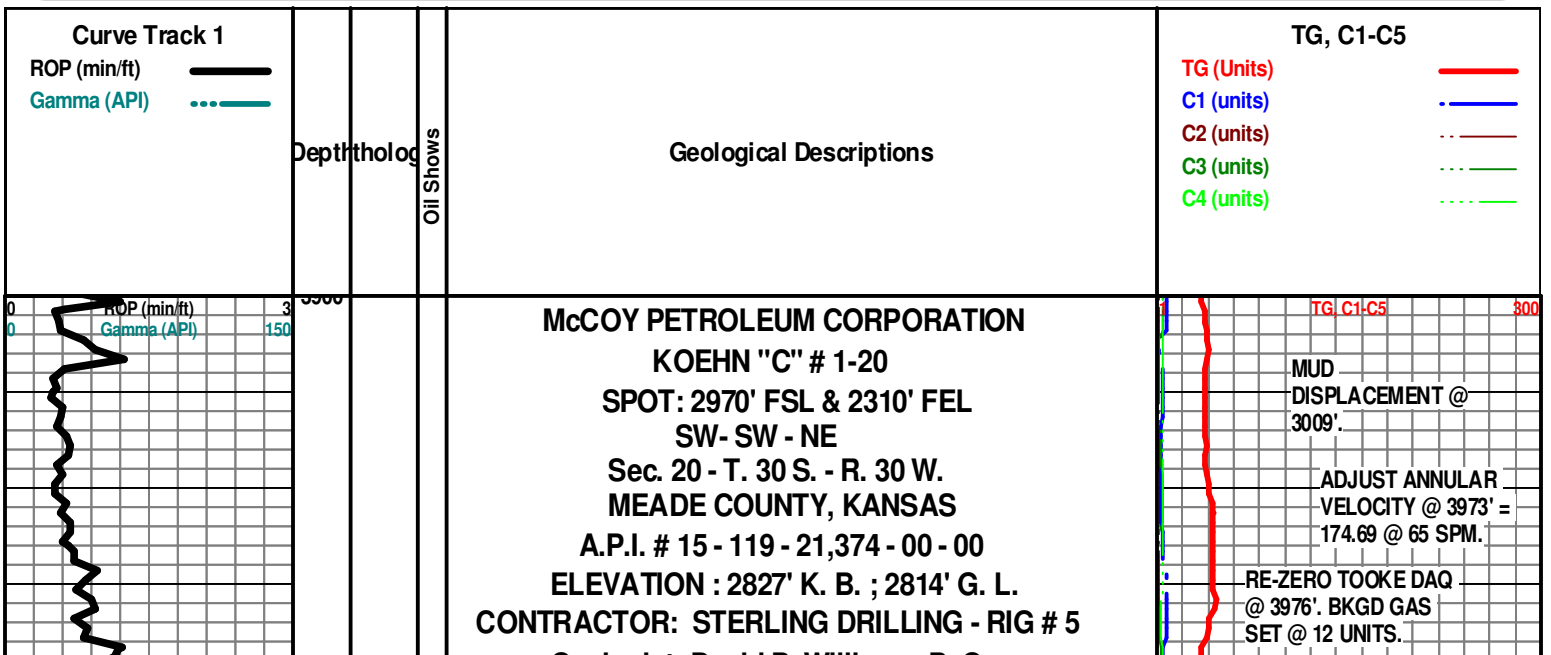
	Anhy		Clyst		Gry shale		Mrlst		Shgy
	Bent		Coal		Gyp		Red shale		Sltst
	Brec		Congl		Igne		Salt		Ss
	Carb sh		Dol		Lmst		Shale		Till
	Cht		Grn sh		Meta		Shcol		

ACCESSORIES

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

OTHER SYMBOLS

POROSITY		Vuggy	ROUNDING		Even	EVENT		Rft	
	Earthy	SORTING		Rounded		Spotted		Sidewall	
	Fenest		Well		Subrnd				
	Fracture		Moderate		Subang				
	Inter		Poor		Angular				
	Moldic			OIL SHOW		Gas show			
	Organic					INTERVAL		Dst	
	Pinpoint						Dst_alt		



Geologist: David P. Williams, P. G.

Geologist on location at 3804' @ 3:15 PM 9-26-14

STONE CORRAL ANHYDRITE SAMPLE TOP = 1639' (+).

STONE CORRAL ANAYDRITE SAMPLE BASE = 1687' (+).

Deviation Survey's Taken: @ 1836' = 1 1/4 degrees; @ 5366' = 1 3/4 degree;
@ 5750' = degrees.

Note: All samples have been lagged to depth by calculated time.

Begin 31' Sample Examination @ 4050'.



3950
4000
4050
4100
4150

ROP (min/ft) 3
Gamma (API) 150

0 0

0 0

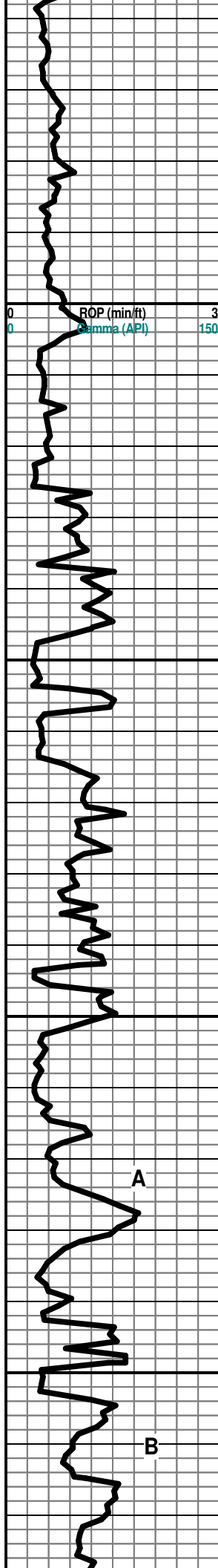
TG C1:C5 800

Ls Wht-Crm FxIn Poor OOM Por Poor Develop Poor Dissolu Poor Leaching
Grad Micrite Barren Cht Wht Op Shp Vit Fos (Crin) Chalk (V Abd)Sh
Char-Gry Soft No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Med-Good OOM Por Poor Develop Fair Dissolu Fair
Leaching Grad Chalky (V Abd) Sh Char-Gry Soft No Odor No Stn No Flor NS

Ls Gry-Crm FxIn Poor OOM Por Poor Develop Poor Dissolu Poor Leaching
Grad Micrite Barren Cht Wht Op Shp Vit Chalk Sh Char-Gry Soft No Odor
No Stn No Flor NS

Ls Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Grad Med-Good
OOM Por Cht Wht Op Shp Vit Chalk Sh Char-Gry Soft No Odor No Stn No
Flor NS



Ls Wht-Crm-Gry FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Grad
 Poor-Fair OOM Por Chalk Sh Char-Gry-Drk Gry Soft No Odor No Stn No Flor
 NS

Sh Blk Carb (w/GSG)-Char-Gry Fissil Ls Wht-Crm-Gry FxIn Dns Micrite
 Chalk No Odor No Stn No Flor NS

HEEBNER 4246' (- 1419)

Sh Blk Carb-Char-Gry (w/Pyr Inklus)-Maroon Soft-Fissil Ls Wht-Crm-Gry
 FxIn Dns Micrite Grad Pin-Pt IxIn Por Chalk No Odor No Stn No Flor NS

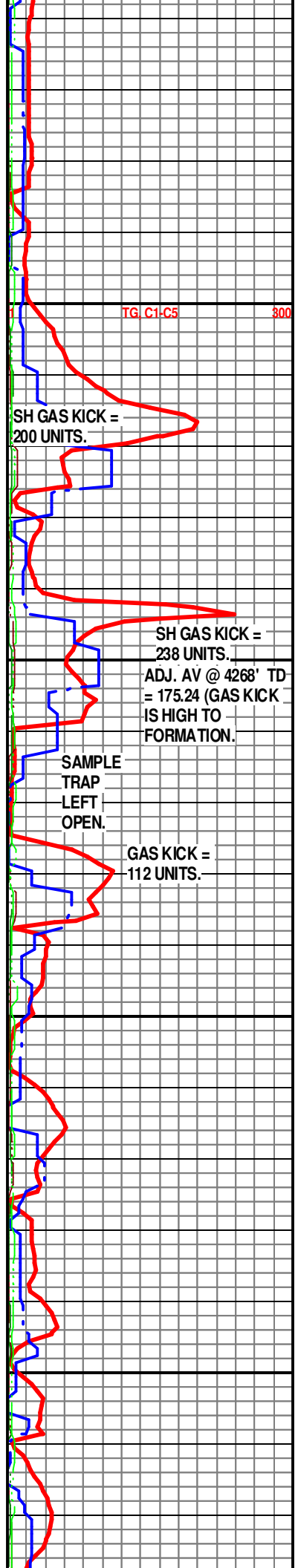
TORONTO 4268' (- 1441)

DOUGLAS 4284' (- 1457)
 Sh Char-Gry Soft-Fissil Ls Wht-Crm-Gry FxIn Dns Micrite Grad Pin-Pt IxIn
 Por Cht Wht Op Shp Vit Chalk No Odor No Stn No Flor NS

LANSING 4315' (- 1488)

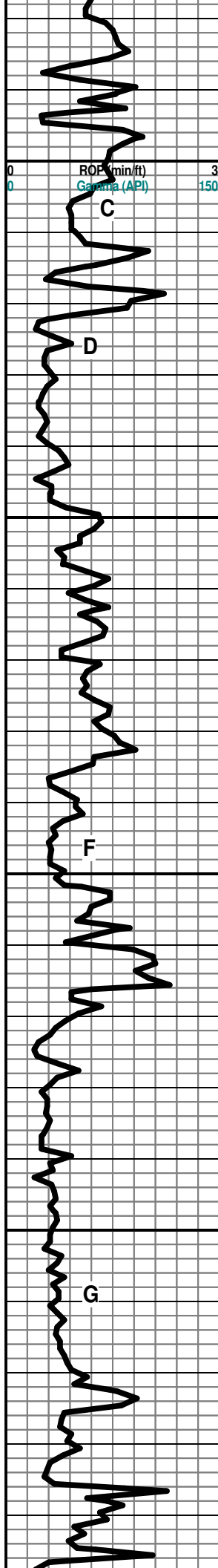
Sh Char-Gry Soft-Fissil Ls Wht-Crm-Tan-Gry (w/Pyr & Fos (Crin) Inklus)
 MicroIn Dns Micritic Barren Grad FxIn Poor Pin-Pt IxIn Por Barren Cht Wht
 Op Shp Vit Chalk No Odor No Stn No Flor

Ls Wht FxIn Micrite Barren Grad Poor Pin-Pt IxIn Por Fos (Brach w/Pyr
 Inklus) Cht Gry Op Shp Vit Chalk Sh Char-Gry-Blk Carb Fissil Soft No Odor
 No Stn No Flor NS



A

B



Sh Char-Gry Soft- Fissil Ls Wht-Crm MicroIn Dns Micrite Barren Grad Poor
 Ixln Por Cht Wht-Gry-Dk Gry Op Shp Vit Chalk Fos (Crin) No Odor No Stn No
 Flor NS

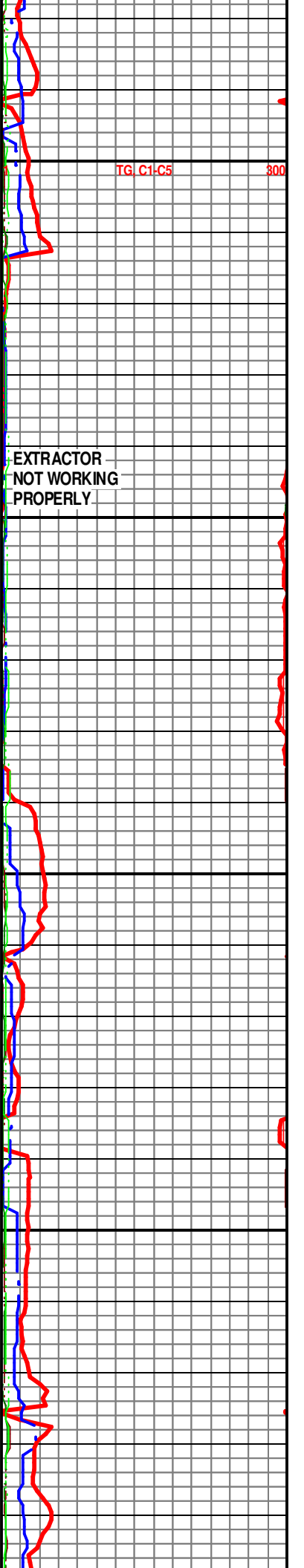
Ls Wht-Crm-Gry Fxln Micrite Barren Barren Cht Amber-Tan Translu Shp Vit
 Chalk (V Abd) Sh Char-Gry-Blk Carb Fissil-Soft No Odor No Stn No Flor NS

Ls Crm-Tan-Gry Fxln Dns Micrite Poor OOM Por Poor Develop Poor
 Leaching Grad PPT Ixln Por Barren Cht Wht Op Shp Vit Chalky (V Abd) Sh
 Blk Carb- Char- Gry No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln Dns Micrite Barren Cht Wht-Dk Gry Translu- Op Shp
 Vit Chalk (V Abd) Sh Char-Gry Fissil-Soft No Odor No Stn No Flor NS

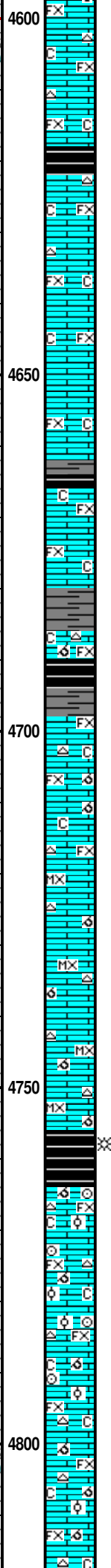
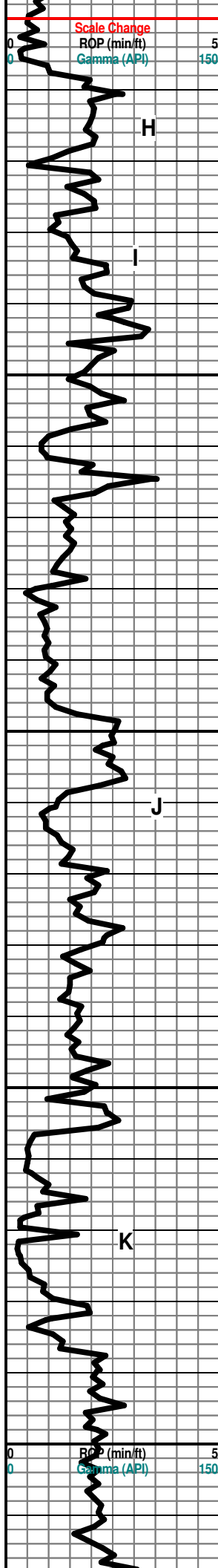
Ls Tan-Wht-Crm Fxln Med-Good OOM Por Poor-Fair InterOOM Vug Por
 Barren Chalk Abd Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Stn No Flor
 NS

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Tan Fxln Dns Micrite Grad
 Med-Good OOM Por (w/Med-Lg OOids in pl) Barren Med- Good
 InterOOM/OOL Por Good Dissolu Poor InterCap Conn Cht Wht Op Shp Vit
 Chalk (V Abd) No Odor No Flor No Stn NS



EXTRACTOR
 NOT WORKING
 PROPERLY

TG C1-C5 800



LANSING "G" 4608' (- 1781)

Ls Wht-Crm FxIn Dns Micrite Poor lxIn Por Barren Grad Med OOM Por AA
 Barren Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry
 Fissil-Soft No Odor No Flor No Stn NS

Ls Crm-Tan FxIn Dns Micrite Poor lxIn Por Barren Grad Med OOM Por AA
 Barren Cht Wht-Gry Translu-Op Shp Vit Chalk V Abd Sh Blk Carb-Char Soft
 No Odor No Flor No Stn NS

Ls Wht-Crm-Tan FxIn Poor OOM Por Poor InterOOM Por Poor Dissolu Poor
 Leaching Cht Wht-Gry Op Shp Vit Chalky Sh Char-Gry Fissil No Odor No
 Flor No Stn NS

Ls Wht-Crm MicroxIn Dns Micrite Cht Gry Translu-Op Shp Vit Sh Char- Gry
 Soft No Odor No Stn No Flor NS

STARK SHALE 4756' (- 1929)

KANSAS CITY "SWOPE" 4764' (- 1937)

Ls Wht-Crm FxIn Med-Good OOM Por (w/Small OOids in pl) Med-Good
 Leaching Med Develop Barren Grad MicroxIn Dns Micrite Cht Gry Op Shp
 Vit Fos (Crin) Chalk (Abd) Sh Blk Carb- Char-Gry Fissil No Odor No Stn No
 Flor NS

HUSHPUCKNEY SHALE 4818' (- 1991)

TG C1:C5 800

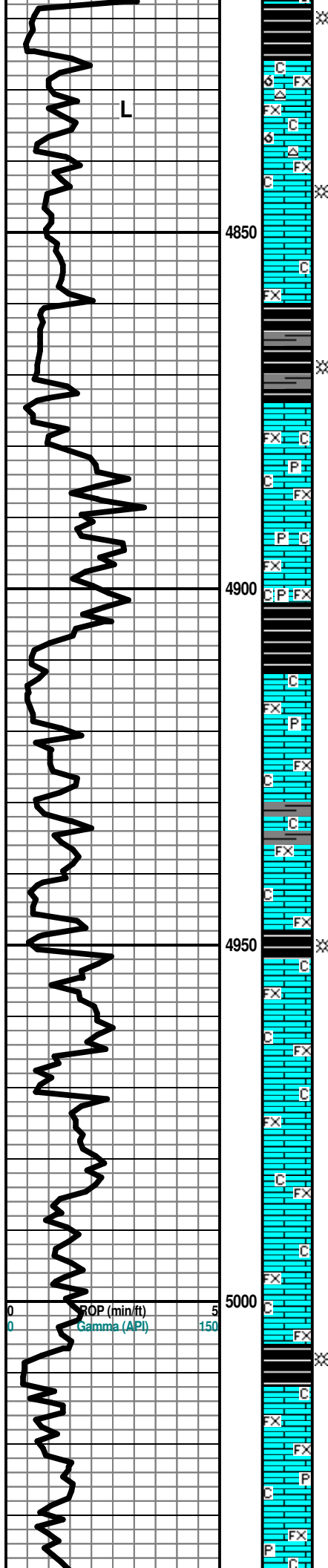
EXTRACTOR NOT
 WORKING
 PROPERLY

SH GAS
 KICK =
 203
 UNITS.

Mudco Ck @
 4751' @ 10:40 AM
 9/27/14
 Vis 74;
 WT = 9.2#;
 PV = 20;
 YP = 23;
 WL = 9.6#;
 Cake = 1;
 Chl = 2100 Ppm;
 Cal = 20;
 Sol = 6.3%
 LCM = 4.5#;
 DMC = \$3,485.90;
 CMC = \$17,020.65.

TG C1:C5 800

SH GAS KICK = 83



KANSAS CITY "HERTHA (L)" 4825' (- 1998)

KANSAS CITY "HERTHA Ø" 4830' (-2003)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm-Gry FxIn Dns Mostly Micrite
 Poor IxIn Por Barren Grad Fair-Med OOM Por Poor-Fair InterOOM Por Poor
 Leaching Fair Develop AA Cht Wht -Gry Translu-Op Shp Vit Chalky No Odor
 No Flor No Stn NS

SH GAS KICK =
125 UNITS.

BASE KANSAS CITY 4860' (- 2033)

Sh Char-Gry-Blk Carb Fissil Ls Wht-Crm-Gry FxIn Micritic Barren Chalky (V
 Abd) No Odor No Flor No Stn NS

SH GAS KICK =
139 UNITS.

SH GAS KICK =
141 UNITS.

MARMATON 4912' (- 2085)

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic (w/Pyr Includ) Dns Barren Chalk
 Sh Char-Gry Soft-Fissil No Odor No Flor No Stn NS

MARMATON "B" 4951' (- 2124)

Ls Wht-Tan-Gry FxIn Poor IxIn Por Micritic Dns Barren Grad FxIn Chalk Sh
 Char-Gry Soft-Fissil No Odor Sli ? Min Flor No Stn NS

GAS KICK =
194 UNITS.

Ls Wht-Gry FxIn Poor IxIn Pin-Pt Por Micritic Dns Barren Chalk Sh Char-Gry
 Soft-Fissil No Odor Sli ? Min Flor No Stn NS

BANDERA SHALE 5006' (- 2179)

Scale Change
1200

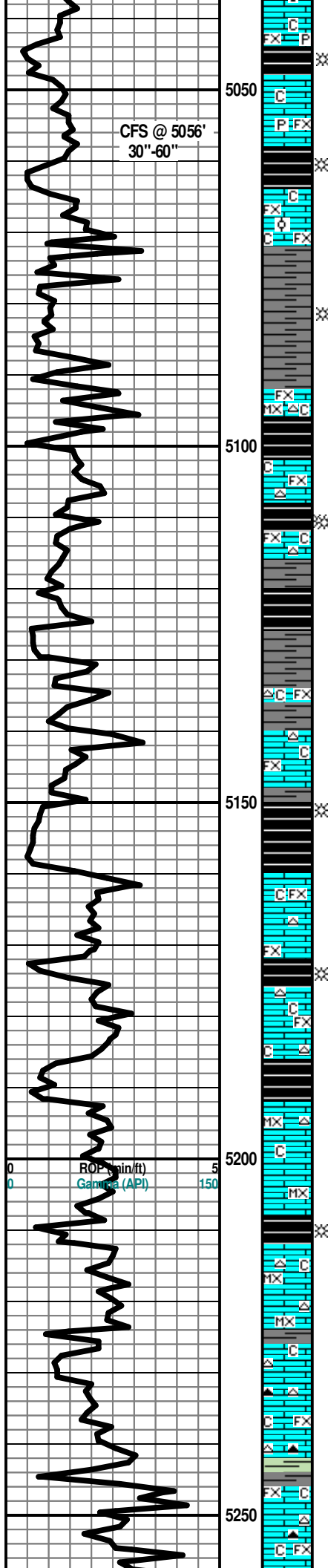
SH GAS KICK =
1015 UNITS

PAWNEE 5012' (- 2185)

30" CFS @ 5056' Ls Wht-Gry FxIn Poor IxIn Pin-Pt Por Micritic Dns Barren
 Chalk Sh Char-Gry Soft-Fissil No Odor Sli ? Min Flor No Stn NS

SH GAS KICK =
363 UNITS

SH GAS KICK =



LABETTE SHALE 5044' (- 2217)

FORT SCOTT 5048' (-2221)

60" CFS @ 5056' Ls Wht-Gry FxIn Poor IxIn Pin-Pt Por Micritic Dns Barren Grad Poor IxIn PPT Por Chalk Pyr Mass Sh Blk Carb-Char-Gry Soft-Fissil No Odor Sli ? Min Flor No Stn NS

CHEROKEE SHALE 5058' (- 2231)

SECOND CHEROKEE SHALE 5096' (- 2269)

Sh Blk Carb-Char-Gry Fissil Ls Crm-Tan MicroIn-FxIn Poor IxIn Por Micritic Dns Barren Grad Poor OOL Por (w Small OOids in pl) Cht Wht Op Shp Vit Chalk Sh Char-Gry Fissil No Odor No Flor No Stn NS

Ls Wht-Crm FxIn Poor IxIn Por Micritic Dns Barren Grad Poor PPT IxIn Por Cht Wht-Gry Translu Shp Vit Chalky (V Abd) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

THIRD CHEROKEE SHALE 5146' (- 2319)

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Cht Wht Translu-Op Shp Vit Chalk (V Abd) Sh Blk Carb-Gry Fissil No Odor No Flor No Stn NS

Sh Blk Carb-Char-Gry Fissi Ls Crm-Gry-Wht MicroIn Poor IxIn Por Micritic Dns Barren Chalk Cht-Gry Op Shp Vit I No Odor No Flor No Stn NS

Ls Crm-Wht-Tan FxIn Poor IxIn Por Micritic Dns Barren Chalk Cht Drk

522 UNITS

Scale Change
TG C1-C5

300

SH GAS KICK =
187 UNITS.

SH GAS KICK =
262 UNITS.

SH GAS KICK =
285 UNITS.

Scale Change
TG C1-C5

600

SH GAS KICK
= 264 UNITS.

TG C1-C5

600

SH GAS
KICK= 548
UNITS.

Mudco Ck @
5290' @ 10:40 AM
9/28/14
Vis 82;
WT= 9.35#;
PV= 18;
YP= 24;
WL= 10.0#;
Cake= 1;
Chl= 1900 Ppm;
Cal= 20;
Sol= 7.0%
LCM= 6#;
DMC=\$3,187.60;
CMC=\$20,208.45

Blk-Wht-Fos (Crin) Inclus Op Shp Vit Sh Char-Gry-Tr Blk Carb Fissil No Odor No Flor No Stn NS

Begin 10' Sample Examination @ 5300'.

ATOKA SHALE 5274' (- 2447)

30" CFS @ 5290' Sh Blk Carb-Char-Gry Fissil Ls Wht-Crm-Gry Microxln-FxlN Dns Micrite (w/Pyr Inclus) Grad Poor PPT lXln Por (w/Fos (Crin) Inclus) Cht Blk Op Shp Vit Chalky No Odor No Flor No Stn NS

60" CFS @ 5290' Sh Blk Carb-Char-Gry Fissil Ls Wht-Crm-Gry Microxln-FxlN Dns Micrite (w/Pyr Inclus) Grad Poor PPT lXln Por (w/Fos (Crin) Inclus) Cht Blk Op Shp Vit Chalky No Odor No Flor No Stn NS

Sh Blk Carb-Char-Gry (w/Pyr Inclus) Fissil Ls Crm FxlN PPT lXln Por No Flor No Stn No Odor NS

Sh Blk Carb-Char-Gry-Grn/Aqua (w/Pyr Inclus) Fissil Ls Crm FxlN PPT lXln Por No Flor No Stn No Odor NS

Sh Blk Carb-Char-Grn/Gry Fissil Ls Crm FxlN PPT lXln Por Qtz Ss Gry (w/Carb Inclus) Sub Ang Poor lGran Por (Hvy CaCO3) Matrix Cht Drk Blk-Drk Gry Op Shp Vi Pyr Mass No Flor No Stn No Odor NS

MORROW SHALE 5320' (- 2493)

MISSISSIPPIAN CHESTER 5326' (- 2499)

30" CFS @ 5340' Sh Blk Carb-Char-Gry (w/Pyr Inclus) Fissil Ls Crm FxlN PPT lXln Por (w/SSG) Qtz Ss Drk Gry (w/Carb Inclus) Sub Ang Poor lGran Por (Hvy CaCO3) Matrix Cht Drk Blk-Drk Gry Op Shp Vit No Flor No Stn No Odor SSG

60" CFS @ 5340' Ls Crm FxlN PPT lXln Por (w/SSG) Qtz Ss Drk Gry AA (Tr Only) Sh Blk Carb-Char-Gry (w/Pyr Inclus) Fissil Sli ? Flor No Stn No Odor SSG

30" CFS @ 5366' Ls Wht-Crm-Tan FxlN Sli Sucrosic & Banded Fos (Coral, Spic Inclus) Crm/Brn PPT lXln Por (w/Pyr Inclus & FSG when Broken in Wtr & SSO Tr) Both Gas & Oil Do Not Flor Cht Wht-Op Shp Vit Qtz Ss Wht-Gry (w/Aqua Matrix-Tr Only) Barren Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Fair Odor FSG & SSO

60" CFS @ 5366' Ls Wht-Crm-Tan-Gry FxlN Banded Fos (Bry, Crin, Coral, Spic Inclus) Crm/Brn PPT lXln Por (w/MSG when Broken in Wtr w/SSO) AA Cht Wht-Op Shp Vit Barren Sh Blk Carb-Char-Gry Fissil Sli ? Flor No Stn Fair Inc Odor FSG & SSO

30" CFS @ 5386' Sh Blk Carb-Char-Gry (V Abd) Ls Wht-Crm-Tan- Gry Microxln Fos (Bry, Crin, Coral, Spic Inclus) Dec PPT lXln Por Cht Wht-Op Shp Vit Barren No Flor No Stn No Odor NS

60" CFS @ 5386' Ls Wht-Crm-Tan-Gry Microxln Fos (Bry, Crin, Coral, Spic Inclus) Dec PPT lXln Por Cht Wht-Op Shp Vit Barren Sh Blk Carb-Char-Gry (V Abd) Fissil No Flor No Stn No Odor NS

Ls Wht-FxlN Dns Micrite Grad Fair Pin-Pt lXln Por (w/Pyr Inclus) Fos (Crin) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

30" CFS @ 5430' Ls Wht-FxlN Dns Micrite Grad Fair Pin-Pt lXln Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

60" CFS @ 5430' Ls Wht-FxlN Dns Micrite Grad Fair Pin-Pt lXln Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Ls Wht-FxlN Dns Micrite Grad Fair Pin-Pt lXln Por (w/Pyr Inclus) Pyr Mass Abd Sh Char-Gry- Drab Grn-Blk Carb Fissil No Odor No Flor NS

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb Soft-Fissil Abd Ls Wht-Crm FxlN Micrite Grad Fair lXln Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor

Sh Vari-Colored Aqua-Maroon-Yell-Purp-Char-Blk Carb Soft-Fissil Abd Ls Wht-Crm FxlN Micrite Grad Fair lXln Por Barren Cht Amber Translu Vit Shp No Odor No Stn No Flor NS

Sh Vari-Colored Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA FxlN-Microxln Dns Micrite Barren Chalk No Odor No Stn No Flor NS

Sh Vari-Colored Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V Abd Ls AA FxlN-Microxln Dns Micrite Barren Chalk No Odor No Stn No Flor NS

~DST # 1~

Interval: 5272'-5366';
Times: 5"-60"-90"-120";
Blow: IF= Weak/1 3/4". No Blow Back During ISIP.
FF= Weak Blow 2"/Died in 44". No Blow Back During FSIP.
Recovery: 125' TF: 60' OCM (5% O & 95% M); 65' M (w/Tr O) (100% M).

Scale Change
TG, C1C5 900

Pressures:

IH = 2717#;
FH = 2609#;
IF = 30-36#;
FF = 71-100#;
ISIP = 508#;
FSIP = 196#;
Temp. = 127 degrees F.

GAS KICK = 382 UNITS.

GAS KICK = 469 UNITS.

GAS KICK = 839 UNITS.

PIPE STRAP = <1.66'> SHORT TO BOARD.

GAS KICK = 450 UNITS.

REPAIR MOTOR @ 5378'.

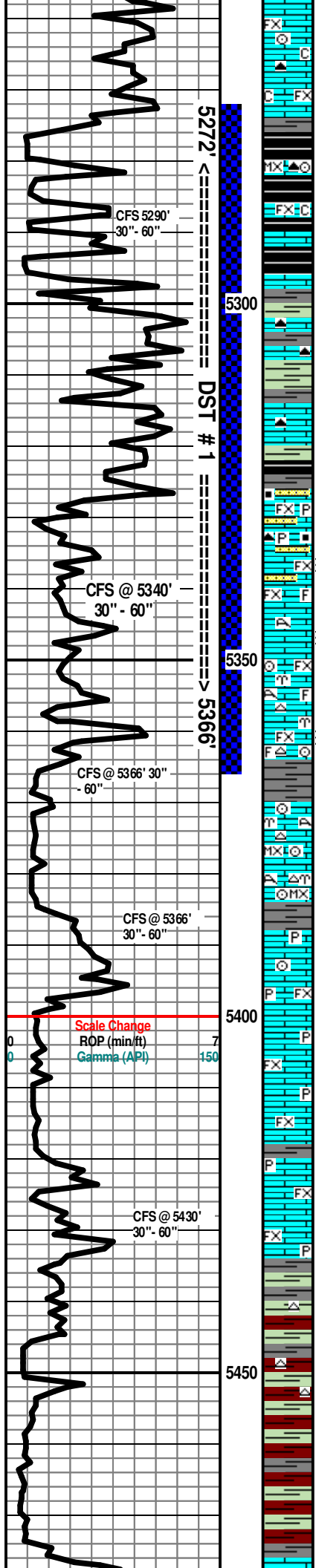
Scale Change
TG, C1C5 600

GAS KICK = 376 UNITS.

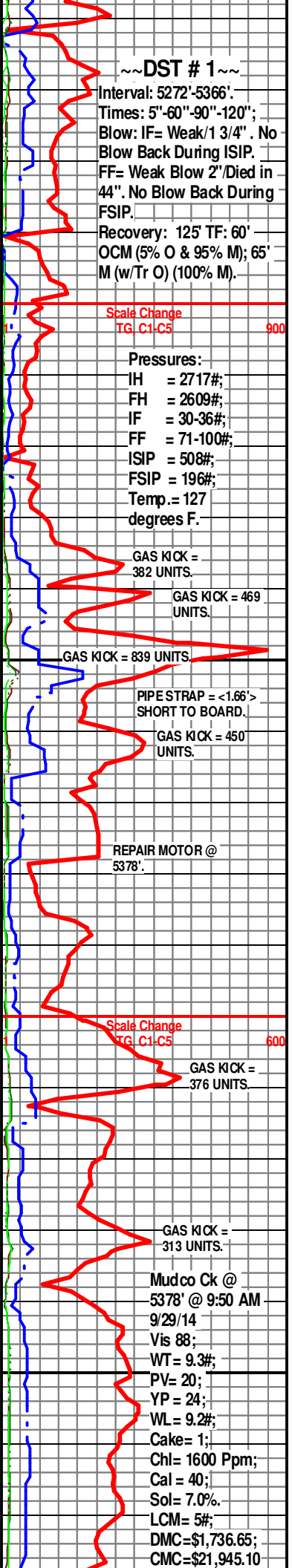
GAS KICK = 313 UNITS.

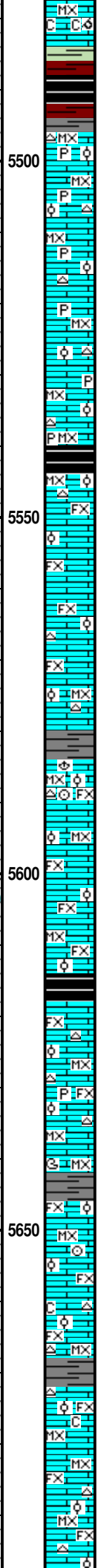
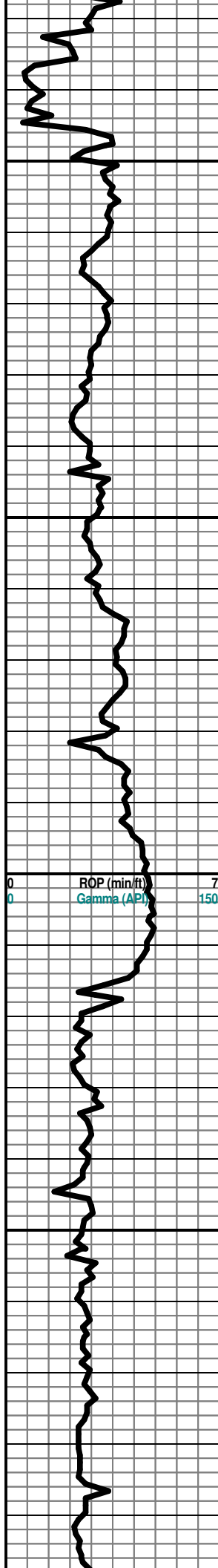
Mudco Ck @ 5378' @ 9:50 AM 9/29/14

Vis 88;
WT = 9.3#;
PV = 20;
YP = 24;
WL = 9.2#;
Cake = 1;
Chl = 1600 Ppm;
Cal = 40;
Sol = 7.0%.
LCM = 5#;
DMC = \$1,736.65;
CMC = \$21,945.10



Log text providing detailed lithological and petrophysical descriptions for the Atoka Shale, Morrow Shale, and Mississippian Chester formations. Includes sample locations and descriptions of rock types and properties.





NS
 Sh Vari-Colored Red-Maroon-Char-Aqua-Grn/Gry Soft-Fissil (Wash Red) V
 Abd Ls AA FxIn-MicroxIn Dns Micrite Grad Poor OOM Por Poor Dissolu
 Poor Develop Barren Chalk No Odor No Stn No Flor NS

MISSISSIPPIAN "STE. GEN" 5496' (- 2669)

Ls Wht FxIn-MicroxIn Dns Micrite Grad Fair OOL (w/Small OOids in pl)
 "Sandy OOL Ls" Barren Chalk Cht Wht Op Shp Vit Pyr Mass Sh
 Vari-Colored Red- Maroon-Char-Aqua-Grn/Gry-Yell-Purple Soft-Fissil V Abd
 No Stn No Flor NS
 Ls Wht FxIn-MicroxIn Dns Micrite Grad Fair OOL (w/Small OOids in pl)
 "Sandy OOL Ls" Barren Chalk Cht Wht Op Shp Vit Pyr Mass Sh
 Vari-Colored Red-Maroon-Char-Aqua-Grn/Gry-Yell-Purple Soft-Fissil V Abd
 No Stn No Flor NS
 Ls Wht FxIn-MicroxIn Dns Micrite Grad Fair OOL Por AA Barren Chalk Cht
 Wht Op Shp Vit Pyr Mass Sh Vari-Colored Red-
 Maroon-Char-Aqua-Grn/Gry-Yell-Purple Soft-Fissil V Abd No Stn No Flor NS

Ls Wht FxIn-MicroxIn Dns Micrite Grad Fair OOL Por AA Barren Chalk Cht
 Wht Op Shp Vit Pyr Mass Sh Vari-Colored
 Red-Maroon-Char-Aqua-Grn/Gry-Yell-Purple Soft-Fissil V Abd No Stn No
 Flor NS
 Ls Wht FxIn-MicroxIn Dns Micrite Grad Fair OOL AA Barren Chalk Cht Wht
 Op Shp Vit Pyr Mass Sh Vari-Colored Red-
 Maroon-Char-Aqua-Grn/Gry-Yell-Purple Soft-Fissil V Abd No Stn No Flor NS

Ls Wht-Lt Brn FxIn Dns Micrite Grad Poor OOL Por Cht Gry Translu-Op Shp
 Vit Chalk Sh Varicolored Soft- Fissil No Odor No Flor No Stn NS
 Ls Wht-Lt Brn FxIn Dns Micrite Grad Poor OOL Por Cht Gry Translu-Op Shp
 Vit Chalk Sh Varicolored Soft- Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor
 InterOOL Por (w/V Small OOids in pl) Friable Cht Aqua-Gry Op Shp Vit Sh
 Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por AA Cht
 Aqua-Gry Translu-Op Shp Vit Fos (Brach, Crin) Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor
 No Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor
 InterOOL Por Friable Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn
 No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor
 InterOOL Por Friable Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn
 No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por Friable
 "Sandy OOL Ls" Sh Char-Blk Carb-Lt Gry-Aqua Fissil No Odor No Stn No Flor NS

MISS. "ST. LOUIS" POROSITY 5617' (- 2790)

Ls Wht-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por (w/Small-Med
 OOids in pl) Friable Cht Gry Op Shp Vit Sh Char-Blk Carb-Gry- Maroon Soft-Fissil No Odor No
 Stn No Flor NS

Ls Wht-Crm-Lt Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por AA
 Friable Cht Wht-Clear Translu-Op Shp Vit Pyr Mass Sh Char-Blk Carb- Gry-Maroon Fissil No
 Odor No Stn No Flor NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Mostly Micrite Grad Poor
 InterOOL Por AA Friable Cht Wht (w/Tan OOid Includ) Op Shp Vit Fos
 (Coral) Sh Char-Blk Carb-Gry-Aqua-Maroon Fissil No Odor No Stn No Flor
 NS

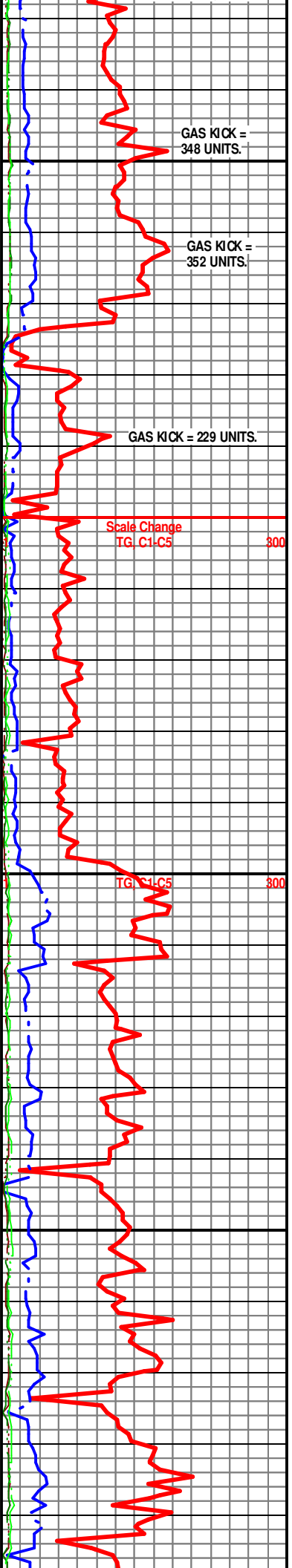
Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por AA Friable Cht
 Wht-Peach Translu-Op Shp Vit Fos (Crin) Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor
 NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por
 AA Friable Cht Wht-Clear Translu-Op Shp Vit Chalky Sh Char-Blk
 Carb-Aqua-Olive- Maroon Fissil No Odor No Stn No Flor NS

Ls Wht-Tan-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por AA Friable
 Cht Wht-Clear Translu-Op Shp Vit Chalky Sh Char-Blk Carb- Aqua-Olive- Maroon Fissil No
 Odor No Stn No Flor NS

Ls Wht-Tan (w/Pyr Includ)-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad
 Poor InterOOL Por AA Friable Cht Wht-Clear Translu Shp Vit Sh Char-Blk
 Carb- Aqua-Maroon Fissil No Odor No Stn No Flor NS

Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por AA Friable Grad
 Poor IxIn Por Cht Clear Transp-Pink Op Shp Vit Sh Char-Blk Carb-Gry-Aqua-Maroon Fissil No
 Odor No Stn No Flor NS



GAS KICK =
348 UNITS.

GAS KICK =
352 UNITS.

GAS KICK = 229 UNITS.

Scale Change
TG C1-C5 300

TG C1-C5 300

5700

5750

5800



Ls Wht-Gry MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL Por
 AA Friable Grad Poor IxIn Por Cht Wht-Pink Op Shp Vit Sh Char-Blk
 Carb-Gry- Aqua-Maroon Fissil No Odor No Stn No Flor NS

Ls Wht-Crm MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad Poor InterOOL
 Por AA Friable Grad Poor IxIn Por Cht Wht-Peach Op Shp Chalky Vit Sh
 Char-Blk Carb-Gry-Aqua Fissil No Odor No Stn No Flor NS

30" CFS @ 5750' Ls Wht-Crm MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad
 Poor InterOOL Por AA Friable Grad Poor IxIn Por Cht Wht-Peach Op Shp
 Chalky Vit Sh Char-Blk Carb-Gry-Aqua Fissil No Odor No Stn No Flor NS

60" CFS @ 5750' Ls Wht-Crm MicroxIn-FxIn Poor IxIn Por Dns Micrite Grad
 Poor InterOOL/OOM Por Poor Develop Poor Leaching (med OOids in pl)
 Grad Poor IxIn Por Cht Wht-Peach Op Shp Chalky Vit Sh Char-Blk
 Carb-Gry-Aqua Fissil No Odor No Stn No Flor NS

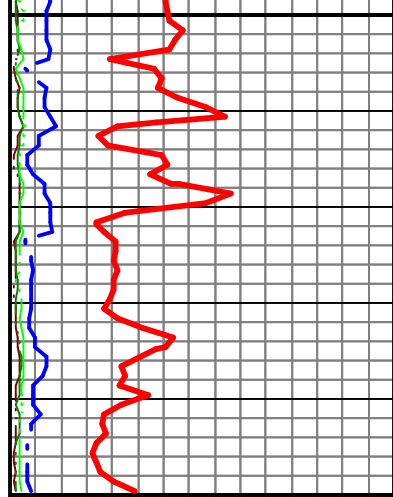
Electric Logs Run: By Weatherford Logging: Dual Induction;
 Compensated Density-Neutron; Sonic; & Microresistivity Logs

Geologist Left Location At: : P M on 9/30/2014

CFS @ 5750'
 30" - 60"

R.T.D. = 5750' (-2923)

L.T.D. =





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corp.**

9342 E. Central
Wichita, KS 67206

ATTN: Dave Williams

Koehn "C" #1-20

20-30s-30w Gray,KS

Start Date: 2014.09.28 @ 20:28:00

End Date: 2014.09.29 @ 06:31:45

Job Ticket #: 56568 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.02 @ 10:27:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

20-30s-30w Gray,KS

9342 E. Central
Wichita, KS 67206

Koehn "C" #1-20

Job Ticket: 56568

DST#: 1

ATTN: Dave Williams

Test Start: 2014.09.28 @ 20:28:00

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:39:45

Time Test Ended: 06:31:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III

Unit No: 67

Interval: 5272.00 ft (KB) To 5366.00 ft (KB) (TVD)

Reference Elevations: 2827.00 ft (KB)

Total Depth: 5366.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 14.00 ft

Serial #: 8968 Outside

Press@RunDepth: 100.30 psig @ 5274.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.28

End Date:

2014.09.29

Last Calib.:

2014.09.29

Start Time: 20:28:05

End Time:

06:31:45

Time On Btm:

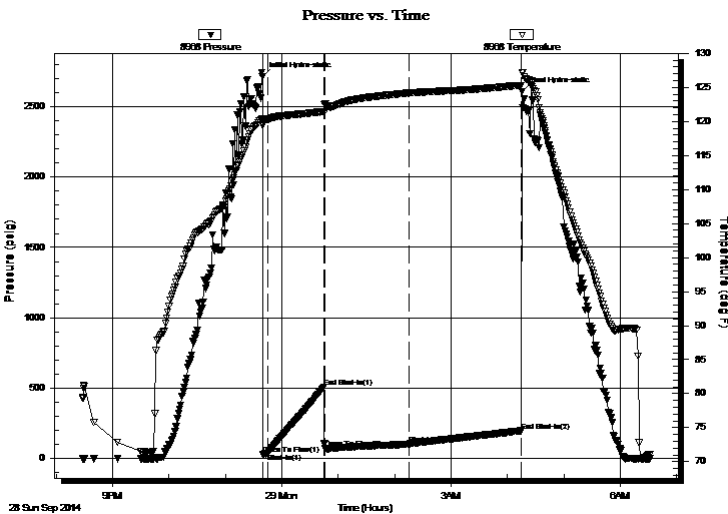
2014.09.28 @ 23:39:15

Time Off Btm:

2014.09.29 @ 04:15:45

TEST COMMENT: IF: 1 3/4". blow
IS: No return
FF: 2" blow in 15 min-Died in 44 min. into open
FS: Weak surface blow back-Died in 2 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2716.82	120.46	Initial Hydro-static
1	29.61	119.37	Open To Flow (1)
6	36.08	120.25	Shut-In(1)
66	508.02	121.46	End Shut-In(1)
67	70.94	122.46	Open To Flow (2)
156	100.30	124.18	Shut-In(2)
276	195.65	125.31	End Shut-In(2)
277	2608.70	127.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Ocm 5o 95m	0.30
65.00	Mud w/trace of oil	0.32

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corp.

20-30s-30w Gray, KS

9342 E. Central
Wichita, KS 67206

Koehn "C" #1-20

Job Ticket: 56568

DST#: 1

ATTN: Dave Williams

Test Start: 2014.09.28 @ 20:28:00

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Time Test Ended: 06:31:45

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Total Depth: 5366.00 ft (KB) (TVD)

2813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 14.00 ft

Serial #: 8969 Inside

Press@RunDepth: psig @ 5274.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.28

End Date:

2014.09.29

Last Calib.:

2014.09.29

Start Time: 20:28:05

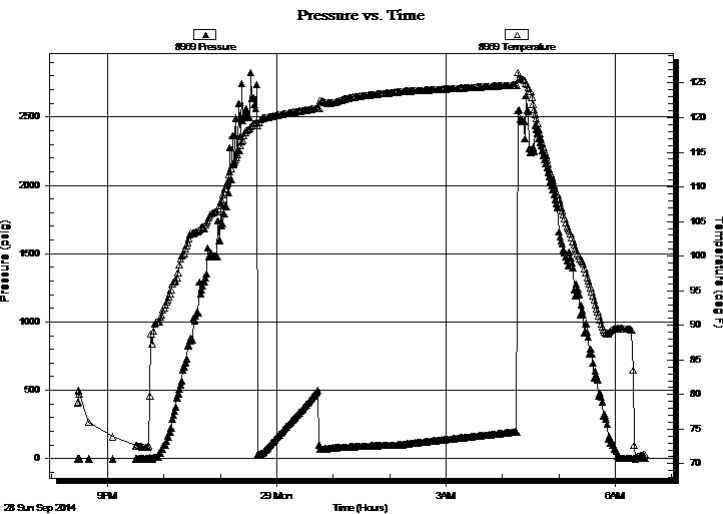
End Time:

06:31:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1 3/4". blow
IS: No return
FF: 2" blow in 15 min-Died in 44 min. into open
FS: Weak surface blow back-Died in 2 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Ocm 5o 95m	0.30
65.00	Mud w/trace of oil	0.32

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corp.

20-30s-30w Gray,KS

9342 E. Central
Wichita, KS 67206

Koehn "C" #1-20

Job Ticket: 56568

DST#: 1

ATTN: Dave Williams

Test Start: 2014.09.28 @ 20:28:00

Tool Information

Drill Pipe:	Length: 4971.00 ft	Diameter: 3.80 inches	Volume: 69.73 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	28000.00 lb
Drill Collar:	Length: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose:	22000.00 lb
			<u>Total Volume: 71.21 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	86000.00 lb
Depth to Top Packer:	5272.00 ft			Final	86000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	94.00 ft				
Tool Length:	121.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5246.00	
Shut In Tool	5.00			5251.00	
Hydraulic tool	5.00			5256.00	
Jars	5.00			5261.00	
Safety Joint	2.00			5263.00	
Packer	5.00			5268.00	27.00 Bottom Of Top Packer
Packer	4.00			5272.00	
Stubb	1.00			5273.00	
Change Over Sub	1.00			5274.00	
Recorder	0.00	8969	Inside	5274.00	
Recorder	0.00	8968	Outside	5274.00	
Drill Pipe	63.00			5337.00	
Change Over Sub	1.00			5338.00	
Perforations	25.00			5363.00	
Bullnose	3.00			5366.00	94.00 Bottom Packers & Anchor

Total Tool Length: 121.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corp.

20-30s-30w Gray,KS

9342 E. Central
Wichita, KS 67206

Koehn "C" #1-20

Job Ticket: 56568

DST#: 1

ATTN: Dave Williams

Test Start: 2014.09.28 @ 20:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	Ocm 5o 95m	0.295
65.00	Mud w /trace of oil	0.320

Total Length: 125.00 ft

Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

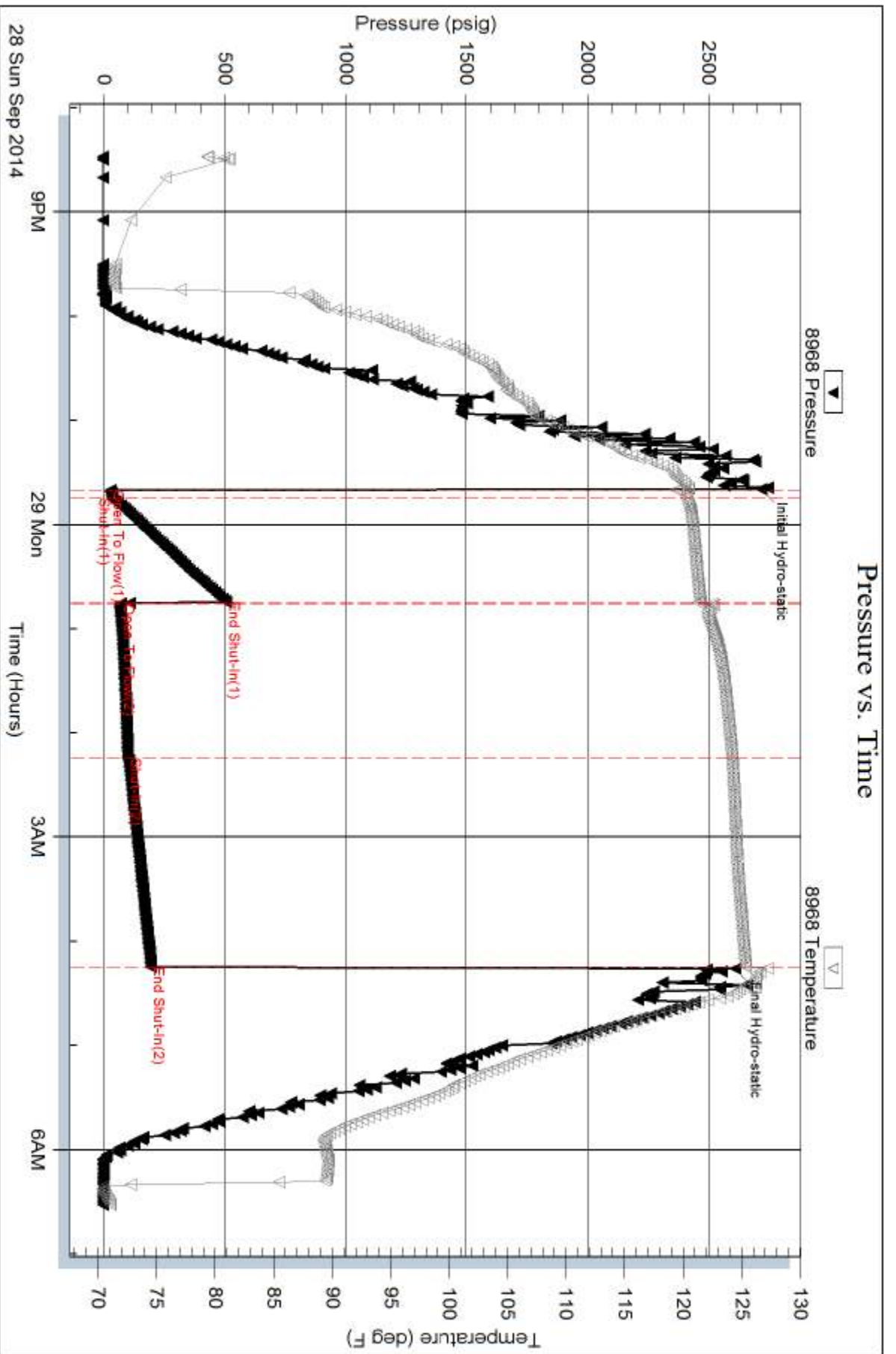
Recovery Comments:

Serial #: 8968

Outside McCoy Petroleum Corp.

Koehn "C" #1-20

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 56568

Printed: 2014, 10:02 @ 10:27:37

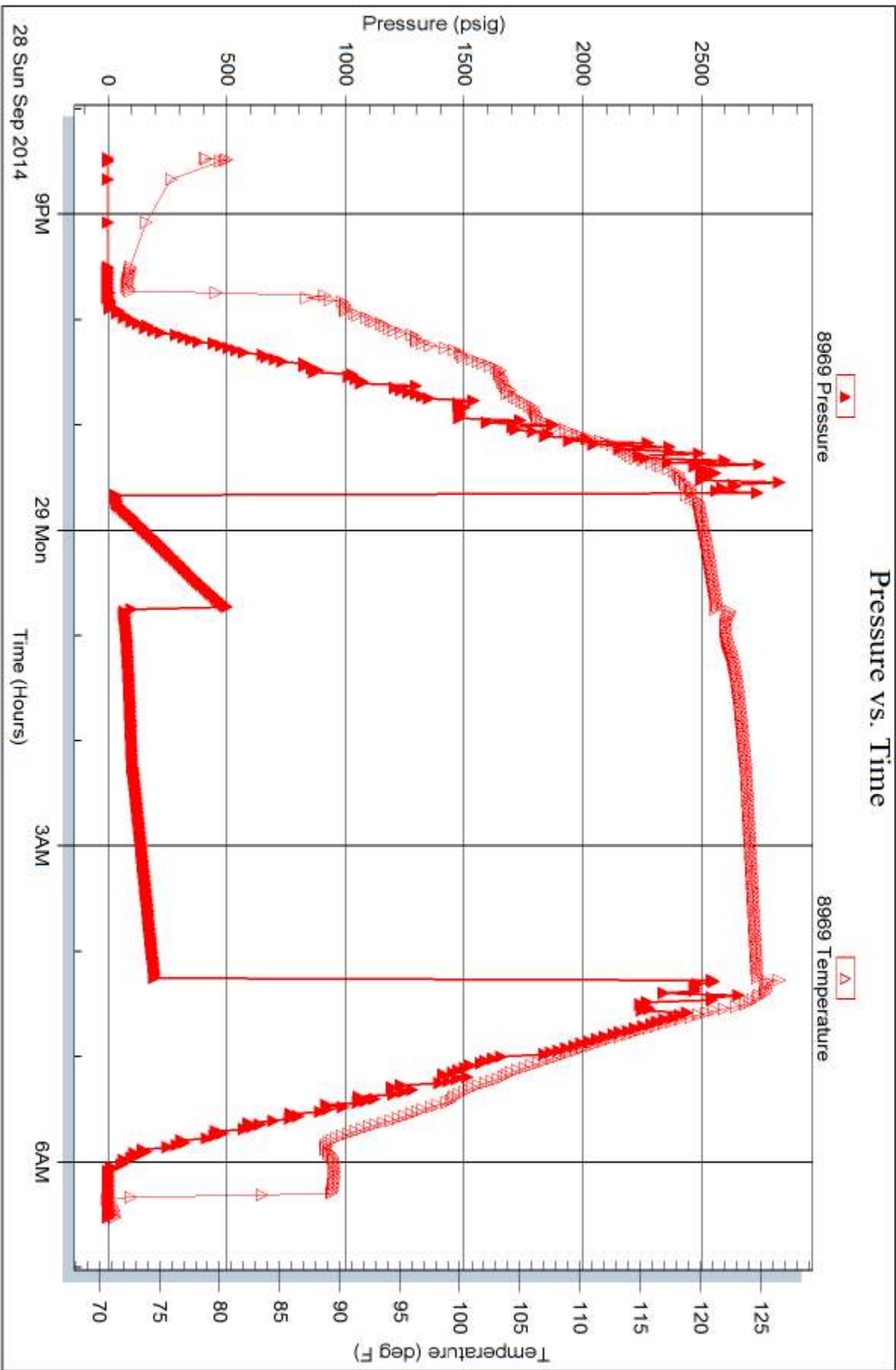
Serial #: 8969

Inside

McCoy Petroleum Corp.

Koehn "C" #1-20

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56568

Well Name & No. Koehn "C" #1-20 Test No. 1 Date 9-28-14
 Company McCoy Petroleum Corporation Elevation 2827 KB 2813 GL
 Address 9342 E. Central - Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling #5
 Location: Sec. 20 Twp. 30-S Rge. 30-W Co. Gray State KS

Interval Tested 5272-5364 Zone Tested Chester
 Anchor Length 94' Drill Pipe Run 4971 Mud Wt. 9.2
 Top Packer Depth 5268 Drill Collars Run 300 Vis 62
 Bottom Packer Depth 5272 Wt. Pipe Run 8 WL 10.0
 Total Depth 5364 Chlorides 1900 ppm System LCM #6

Blow Description IF: 1 3/4 Blow

ISE. No Return

FF: 2 in blow in 15 min - Died in 44 min. into open

FSI: Weak Surface Blowback - Died in 2 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>OCM</u>		<u>5</u>		<u>95</u>
<u>65</u>	<u>Mud w/Trace of oil</u>				<u>100</u>

Rec Total 125 BHT 127 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2717
 (B) First Initial Flow 30
 (C) First Final Flow 36
 (D) Initial Shut-In 508
 (E) Second Initial Flow 71
 (F) Second Final Flow 100
 (G) Final Shut-In 196
 (H) Final Hydrostatic 2409

- Test 1350
- Jars 250
- Safety Joint 75
- Circ Sub N/C
- Hourly Standby 8 1/2 hrs steady
- Mileage 120 ~~186~~
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby 1d 8.5h
- Accessibility _____
- Sub Total 1861

T-On Location 19:50
 T-Started 20:28
 T-Open 23:40
 T-Pulled 04:15
 T-Out 06:32
 Comments on lockup @ 15:02 on 9/30/14

Initial Open 5
 Initial Shut-In 60
 Final Flow 90
 Final Shut-In 120

Ruined Shale Packer _____
 Ruined Packer 320
 Extra Copies _____
 Sub Total 800
 Total 2981
 MP/DST Disc't _____

Approved By

Dave Williams

Our Representative

Dave Williams

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

ALLIED OIL & GAS SERVICES, LLC 061593

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberia, KS

DATE <u>9-24-14</u>	SEC <u>20</u>	TWP. <u>30</u>	RANGE <u>30W</u>	CALLED OUT <u>4:00a.m.</u>	ON LOCATION <u>6:00a.m.</u>	JOB START <u>1:30p.m.</u>	JOB FINISH <u>3:00p.m.</u>
LEASE <u>Krohn "C"</u>	WELL # <u>1-20</u>	LOCATION <u>Vec Copeland KS</u>				COUNTY <u>Meade</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							


CONTRACTOR Sterling #5
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1836
CASING SIZE 8 5/8 DEPTH 1832
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 43.08
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 114 bbl

EQUIPMENT
PUMP TRUCK CEMENTER Lenny Baeza
549-550 HELPER Alex Corona Victor
BULK TRUCK
993-467 DRIVER Georgy Randoi
BULK TRUCK
774-744 DRIVER Andres Zubia

REMARKS:

CHARGE TO: McCoy Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Colin Mickelson
SIGNATURE 

OWNER
CEMENT
AMOUNT ORDERED 675sk 85-35 (6) Royal
30cc 1/4# flo
200sk class A 30cc 1/4# flo seal
COMMON (A) 200sk @ 17.90 3580.00
POZMIX _____
GEL _____
CHLORIDE 2326 # @ 1.10 2558.60
ASC _____
Allied light weight 675 @ 19.88 13419.00

flo seal 219# @ 2.97 650.43

7072.81 / 35 TOTAL 20208.03

SERVICE
DEPTH OF JOB 1801-2000
PUMP TRUCK CHARGE 2213.75
light vehicle 40 @ 4.40 176.00
MILEAGE 40 @ 7.70 308.00
MANIFOLD _____
Handling 994.36 @ 2.98 2916.02
Drayage 1671.66 @ 2.75 4597.62
3512 74 / 35% TOTAL 10036.39

PLUG & FLOAT EQUIPMENT
Rubber Plug 131.00
AFU Throat Valve @ 447.00
Stop Collar @ 0
Centralizer 5 @ 75.00 375.00
Guide Shoe @ 460.00
494.55 / 35 TOTAL 1413.00

SALES TAX (If Any) _____
TOTAL CHARGES \$ 31,657.42
DISCOUNT 11080.10 35% IF PAID IN 30 DAYS
Net \$ 20,577.32

ALLIED OIL & GAS SERVICES, LLC 061634

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Liberty Ks

DATE <u>10-1-14</u>	SEC. <u>20</u>	TWP. <u>305</u>	RANGE _____	CALLED OUT _____	ON LOCATION <u>2:30 am</u>	JOB START <u>8:45 am</u>	JOB FINISH <u>10:15 am</u>
LEASE <u>Kochs "C"</u>	WELL # <u>1-20</u>	LOCATION <u>Sublette Ks, 13 miles east on CR-190, 4 miles south.</u>			COUNTY <u>Monte</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Sterling 5 OWNER McCoy Petroleum

TYPE OF JOB <u>Production</u>	HOLE SIZE <u>7 7/8</u>	T.D. <u>5752</u>	CEMENT
CASING SIZE <u>5 1/2</u>	DEPTH <u>5704.48</u>	AMOUNT ORDERED <u>50 SKS 60/40 Class A, 42 gal. 200 SKS ASBC Class A, 6" 46 NELL, 5.5" 2, 94# SK, 270 gal, 516/sk kol seal, 0.5 oz ft-160</u>	
TUBING SIZE _____	DEPTH _____	COMMON _____ @ _____	
DRILL PIPE _____	DEPTH _____	POZMIX _____ @ _____	
TOOL _____	DEPTH _____	GEL _____ @ _____	
PRES. MAX <u>3000 PSI</u>	MINIMUM _____	CHLORIDE _____ @ _____	
MEAS. LINE _____	SHOE JOINT <u>42.15</u>	ASC _____ @ _____	
CEMENT LEFT IN CSG. <u>42-15 FT</u>	PERFS. _____	Cost Circulation 10 bbl @ 225.00 = 2250.00	
DISPLACEMENT <u>135 bbls</u>	DISPLACEMENT _____	60/40 60% Class A 50 SKS @ 18.92 = 946.00	

EQUIPMENT

PUMP TRUCK CEMENTER Fedya Rodriguez
903-501 HELPER Alex Ayala
BULK TRUCK
774-744 DRIVER Ricardo Estrada
BULK TRUCK
_____ DRIVER _____

REMARKS:

3195.78 / 30% TOTAL 10652.60

SERVICE

DEPTH OF JOB _____	<u>5704.48</u>	
PUMP TRUCK CHARGE <u>1</u>	<u>3099.25</u>	<u>3099.25</u>
Light 40 mi @ <u>4.40</u>	<u>176.00</u>	
Heavy 40 mi @ <u>7.20</u>	<u>308.00</u>	
MANIFOLD <u>1</u>	<u>275.00</u>	<u>275.00</u>
Handling <u>316.73 FT</u>	<u>2.48</u>	<u>785.50</u>
Dry weight <u>539.52 Ton</u>	<u>2.75</u>	<u>1483.68</u>
Additional Hrs <u>3</u>	<u>440.00</u>	<u>1320.00</u>
2234.23 / 30%		TOTAL 7447.43

PLUG & FLOAT EQUIPMENT

AFU Hopper Mant Shoe <u>1</u>	<u>545.00</u>	<u>545.00</u>
Catchdown Plug <u>1</u>	<u>660.00</u>	<u>660.00</u>
Centralizer <u>8</u>	<u>57.00</u>	<u>456.00</u>
498.00 / 30%		TOTAL 1661.00

CHARGE TO: McCoy Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
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PRINTED NAME Calvin Mikkelsen

SIGNATURE Calvin Mikkelsen

SALES TAX (If Any) _____
TOTAL CHARGES ~~7447.43~~ 19761.03
DISCOUNT 5928.31 / 30% IF PAID IN 30 DAYS
/ Net = 13832.72