



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1177348
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: _____

1177348

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> _____
---	--

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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SAMPLE TOPS

McCoy Petroleum Corp.
MTPRC 'B' #1-22
E2 SE SE NE NE NE C SW SW
660'FSL & 330'FEL
Sec 22-30s-19w
KB: 2229'

	Depth	Datum
LaCompton B	4002	-1773
Queen Hill	4041	-1812
Heebner	4214	-1985
Toronto	4231	-2002
Douglas	4254	-2025
Brown Lime	4406	-2177
Lansing	4422	-2193
Lansing B	4446	-2217
Lansing F	4538	-2309
Lansing H	4599	-2370
Lansing J	4716	-2487
Stark	4750	-2521
Hushpuckney	4802	-2573
Marmaton	4898	-2669
Pawnee	4934	-2705
Cherokee	4974	-2745
Miss.	5049	-2820
Spergen Pors.	5087	-2858
Warsaw	5115	-2886
RTD	5200	-2958

LOG TOPS

McCoy Petroleum Corp.
MTPRC 'B' #1-22
E2 SE SE NE NE NE C SW SW
660'FSL & 330'FEL
Sec 22-30s-19w
KB: 2229'

	Depth	Datum
LaCompton B	4002	-1773
Queen Hill	4040	-1811
Heebner	4216	-1987
Toronto	4231	-2002
Douglas	4252	-2023
Brown Lime	4406	-2177
Lansing	4424	-2193
Lansing B	4446	-2217
Lansing F	4536	-2307
Lansing H	4600	-2371
Lansing J	4716	-2487
Stark	4750	-2521
Hushpuckney	4803	-2574
Marmaton	4898	-2669
Pawnee	4936	-2707
Cherokee	4981	-2752
Miss.	5052	-2823
Spergen Pors.	5089	-2860
Warsaw	5117	-2888
LTD	5201	-2959

QUALITY WELL SERVICE, INC.


6054

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	12-4-13	Sec.	22	Twp.	30	Range	19	County	KIOWA	State	Ks	On Location	7:15 PM	Finish	4:30 AM
Lease	MTPRC		Well No.		B 1-22		Location Greensburg Ks S4 E183 Jct 10 S 3W								
Contractor	STEELING DELS #2							Owner 3 1/2 S W into							
Type Job	SURFACE							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		T.D.		609'		Charge To McCoy Pet. Corp								
Csg.	85/3		Depth		601.39		Street								
Tbg. Size			Depth				City State								
Tool			Depth				City State								
Cement Left in Csg.			Shoe Joint		42.23		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		35.8 bbls		Cement Amount Ordered 300sk Common								
EQUIPMENT							2% GEL 3% CL 1/4" CF USED 220								
Pumptrk	No.	8		BRAVO		Common		300							
Bulktrk	No.	9		MIKE		Poz. Mix									
Bulktrk	No.					Gel.		6							
Pickup	No.			TODD		Calcium		11							
JOB SERVICES & REMARKS							Hulls								
Rat Hole							Salt								
Mouse Hole							Flowseal 75"								
Centralizers							Kol-Seal								
Baskets TOP OFF Bottom 10 247+-							Mud CLR 48								
D/V or Port Collar							CFL-117 or CD110 CAF 38								
Run 14 It's 85/3 23' csg							Sand								
SET @ 601.39							Handling 317								
BT REG. A. SAGE & AFU Insert 42.20							Mileage 45								
Csg on Bottom Deep Ball							85/3 FLOAT EQUIPMENT								
Hook up to Csg Break circ w/leg							Guide Shoe 1 EA								
circ while Run 225' 1"							Centralizer 1 EA WOODEN Plug								
mix & Pump 100sk Common							Baskets 1 EA								
2% GEL 3% CL 1/4" CF 15' GAL							AFU Inserts 1 EA								
SHUT DOWN RELEASE Plug							Float Shoe								
Diso 36 bbls total							Latch Down								
Circ circ thru job															
Plug down @ 3:45 AM 900#							LM/ 45								
RELEASE HEAD							Pumptrk Charge SURFACE								
Mix & Pump 120sk Common							Mileage 45								
2% GEL 3% CL 1/4" CF 15' GAL															
circ cut to collar															
X Signature 												Tax			
												Discount			
												Total Charge			

Thanks
TODD
BRADY
MIKE

PLEASE
CALL
MIKE

QUALITY WELL SERVICE, INC.

6055

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	12-5-13	Sec.	22	Twp.	30	Range	19	County	KIOWA	State	Ks	On Location	9:30	Finish	10:45
Lease	MTPRC		Well No.	B 1-22		Location	GREENSBURG Ks 54# 193 Jct 10S 3W								
Contractor	STEERING DELS #2				Owner	3 1/2 S Winto									
Type Job	1" JOB				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Hole Size	12 1/4		T.D.	609											
Csg.	5 1/2	23"	Depth	601.39											
Tbg. Size			Depth	Charge To McCox Pet. Corp.											
Tool			Depth	Street											
Cement Left in Csg.			Shoe Joint	42.23											
Meas Line			Displace	35.8 Bbls											
EQUIPMENT				2% FEL 3% CL 1/4" CF. USEO 80											
Pumptrk	No.	8	BRADY		Common	80									
Bulktrk	No.	9	MIKE		Poz. Mix										
Bulktrk	No.				Gel.										
Pickup	No.				Calcium	5									
JOB SERVICES & REMARKS				Hulls											
Rat Hole				Salt											
Mouse Hole				Flowseal											
Centralizers				Kol-Seal											
Baskets				Mud CLR 48											
D/V or Port Collar				CFL-117 or CD110 CAF 38											
on Loc w/cmt 9:30 A.M.				Sand											
Mix & Pump 80 sc Common 3/6 CL 1/4" CF.				Handling 155											
15" GAL				Mileage 45											
CELLAR FILL LET 30 MIN				FLOAT EQUIPMENT											
WASH UP TCK				Guide Shoe											
				Centralizer											
				Baskets											
				AFU Inserts											
				Float Shoe											
				Latch Down											
				Add HES 2 EA											
				LMV											
				Pumptrk Charge 1"											
				Mileage											
thanks TOOO BRADY MIKE				Tax											
				Discount											
X Signature				Total Charge											

PLEASE CALL AGAIN

QUALITY WELL SERVICE, INC.

6058

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	12-12-13	Sec.	22	Twp.	30	Range	19	County	KIOWA	State	Ks	On Location	3:00 A.M.	Finish	10:30 P.M.
Lease	MTPRC		Well No.	B 1-22		Location Greensburg Ks 183-54 Jct 10 1/2 S									
Contractor	STEELING DZLG #2							Owner 3 W 3 1/2 S W.ATO							
Type Job	5 1/2 L3							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8		T.D. 5200												
Csg.	5 1/2		Depth 5195												
Tbg. Size	Charge To McCoy Pet. Corp.														
Tool	Street														
Cement Left in Csg.	City State														
Meas Line	Shoe Joint 43.		The above was done to satisfaction and supervision of owner agent or contractor.												
EQUIPMENT		Displace 122.6 Bbls Cement Amount Ordered 150x Pac 10 1/2 S 5 1/2 (6 1/2 S)													
Pumptrk No.	8		50x 60/40 4 1/2 TEL												
Bulktrk No.	7		Common 30												
Bulktrk No.	M.KE POZ. MIX 20														
Pickup No.	Gel. 2														
JOB SERVICES & REMARKS		Calcium 150													
Rat Hole	30 SX		Hulls												
Mouse Hole	20 SX		Salt 16												
Centralizers	1-3-5-7		Flowseal												
Baskets	Kol-Seal 750"														
D/V or Port Collar	Mud CLR 48 1000 GAL														
Rn 123 Jt's	5 1/2 15.5' csg		CFL-117 or CD110 CAF 38												
set 5195	Sand														
1st 43 Float Shoe	LO Baffle		Handling 218												
Csg on Bottom Deep Ball	Mileage 45														
circ w/leg 1 hr Rotate csg	5 1/2 FLOAT EQUIPMENT														
Pump 3 Bbls H2O 24 Bbls finish 3 Bbls H2O	Guide Shoe														
Plg. R-M holes 50x	Centralizer 4 EA														
Mix & Pump 150x Pac C	Baskets														
SHUT DOWN wash up tek & Release Plg	AFU Inserts														
Dis 122.6 Bbls total	Float Shoe 1 EA														
1000 Circ thru JTS	Latch Down 1 EA														
Plg down @ 10:00 1000'	5 1/2 Rotate HEAD														
ps. up 1500" Release-HELD	LMJ 45														
LID PSI 650"	Pumptrk Charge Longstung														
THANKS TOOD MIKE SEAN	Mileage 45x2														
Signature	Tax														
	Discount														
	Total Charge														



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

Well Name: MTPRC B #1-22
Location: E/2 -SE - SE of Sec. 22 - T. 30 S. - R. 19 W.
License Number: A.P.I. #15-097-21,778-00-00
Spud Date: 12/03/2013
Surface Coordinates: 660' FSL & 330' FEL

Region: IOWA CO., KS.
Drilling Completed: 12/11/2013

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2218' **K.B. Elevation (ft):** 2229'
Logged Interval (ft): 601' **To:** **Total Depth (ft):** 5200'
Formation: MISSISSIPPIAN 'WARSAW'
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: McCOY PETROLEUM CORPORATION KCC LIC. NO. # 5003
Address: 8080 E. CENTRAL, STE. 300
WICHITA, KANSAS 67206-2366

GEOLOGIST

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

Casing & Deviation Surveys:

Spud at 8:30 pm on 12/03/13 . Ran 6 joints of 54.5# ; 13-3/8" surface casing. Tallied 254.78', landed at 268' KB, (254' GL). Strapped guide shoe and bottom 3 joints. Welded collars on top 2 joints. Cemented with 325 sks Common; 2% Gel; 3% CC; 1/4# CF. Cement did circulate. Plug down at 7:00 am on 12/04/13. Quality Well Service ticket #6053.

2nd Casing String: Drilled 12-1/4" hole to 609'. Ran 14 joints of new 24# 8-5/8" surface casing. Tallied 587.39'. Landed at 601' KB. Strapped guide shoe and bottom 3 joints, tacked collars on all, then welded collar on top 2 joints. Cemented bottom with 100 sks Common; 2% Gel, 3% CC, 1/4# CF. Then cemented from top through 1" tubing at 220' in annulus with 120 sks Common; 3% CC, 2% Gel 1/4# CF. Cement did circulate to surface. Basket at 248' KB = 237' GL. Plug down at 4:15 am on 12/05/13. Quality Well Svc cementing ticket #6054.

DSTs

~~ DST # 1~~ 5055' - 5105'. Times: 5"- 60"- 90"- 90";

Blow: IF=Strong/ BOB/30 Sec.. BOB Blow back /22" on ISIP. FF= BOB/10 Sec. & GTS @ 7"/ TSTM. Blow Back During FSIP BOB/30".

Recovery: 4728' GIP: 631' TF: 5' GOCM (20% G; 20% O; 60% M); 495' GO (10% G; 90% O); 131' GOCM (10% G; 40% O; 50% M). No SW.

Pressures: IH = 2896#; FH = 2553#; IF = 95-77#; FF = 88-209#;
 ISIP = 1094#; FSIP = 573#; T.= 118 degrees. F.; API Grv.
 (Corrected @ 60 degrees F.) = 34.9 degrees F.


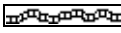
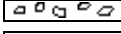
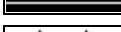
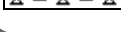
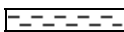









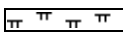


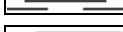
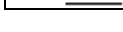
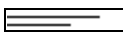


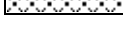
Comments

After review of all geologic samples as examined, combined with the fluid and pressures results from the 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  Bent  Brec  Carb sh  Cht	 Clyst  Coal  Congl  Dol  Grn sh	 Gry shale  Gyp  Igne  Lmst  Meta	 Mrlst  Red shale  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
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ACCESSORIES

MINERAL  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  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**
 [E] Earthy
 [B] Fenest
 [F] Fracture
 [X] Inter
 [M] Moldic
 [O] Organic
 [P] Pinpoint

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

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

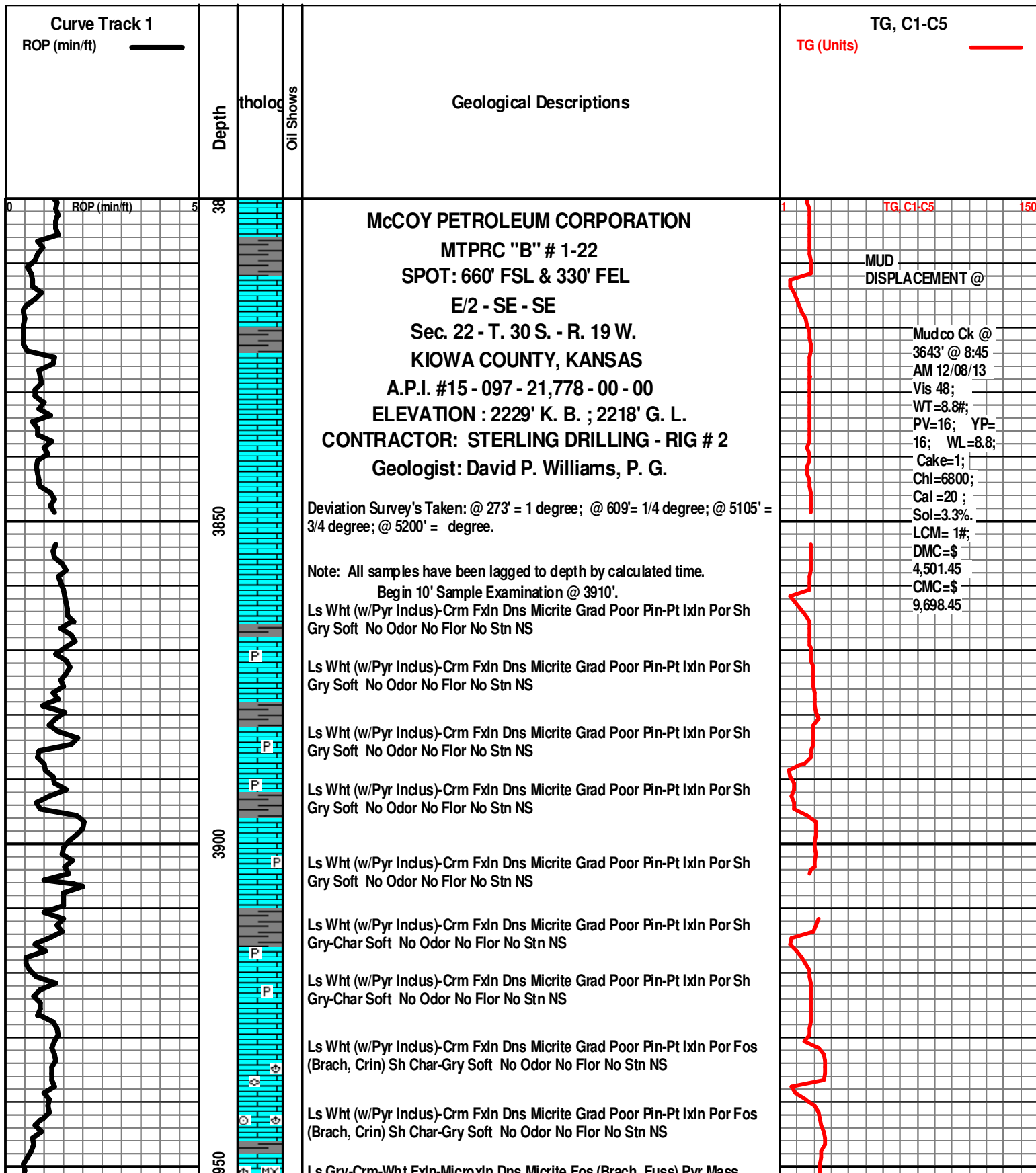
- [●] Even
 [○] Spotted
 [○] Ques
 [D] Dead

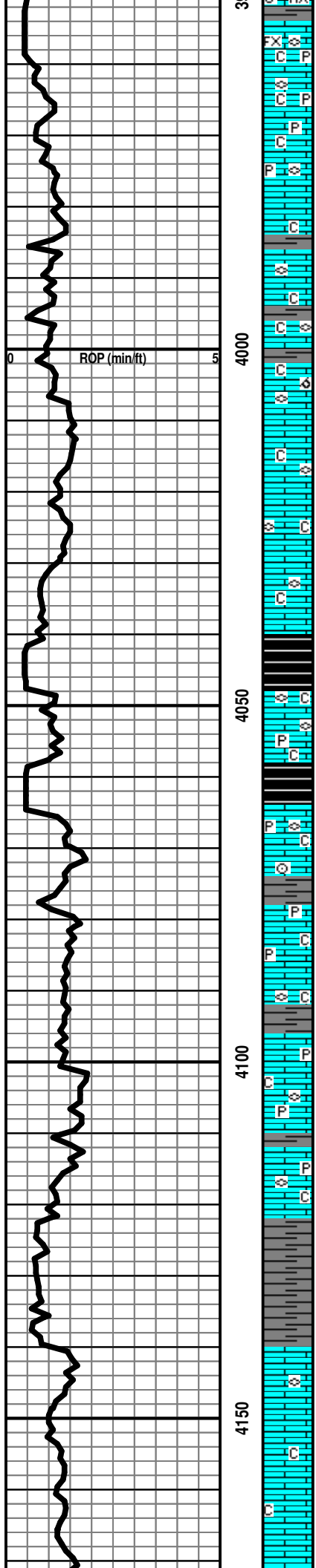
[■] Dst_alt

- EVENT**
 [▤] Rft
 [▥] Sidewall

- OIL SHOW**
 [✖] Gas show

- INTERVAL**
 [■] Core
 [■] Dst





Ls Gry-Crm-Wht Fxln-Microxln Dns Micrite Fos (Brach, Fuss) Pyr Mass Chalky Sh Gry Soft "Gummy" No Odor No Flor No Stn NS

Ls Gry-Crm-Wht Fxln-Microxln Dns Micrite Fos (Fuss) Pyr Mass Chalky Sh Gry Soft "Gummy" No Odor No Flor No Stn NS

Ls Wht-Gry-Crm Fxln-Microxln Dns Micrite Grad Poor OOM Por Poor Leaching Poor Develop Fos (Fuss) Pyr Mass Chalky Sh Gry Soft "Gummy" No Odor No Flor No Stn NS

Geologist on location @ (3975') : 4:45 PM 12-08-13

Ls Wht-Gry-Crm Fxln-Microxln Dns Micrite Fos (Fuss) Chalky Sh Gry Soft "Gummy" No Odor No Flor No Stn NS

Ls Gry-Crm-Wht Fxln-Microxln Dns Micrite Fos (Fuss) Chalky Sh Gry Soft "Gummy" No Odor No Flor No Stn NS

LECOMPTON "B" 4002' (- 1773)

Ls Wht-Gry-Crm Fxln-Microxln Dns Micrite Grad Poor OOM Por Poor Leaching Poor Develop Fos (Fuss) Chalky Sh Gry Soft "Gummy" No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln-Microxln Dns Micrite Fos (Fuss) Chalky Sh Gry-Drk Gry-Aqua Soft "Gummy" No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln-Microxln Dns Micrite Fos (Fuss) Chalky Sh Gry-Drk Gry-Aqua Soft "Gummy" No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln-Microxln Dns Micrite Fos (Fuss) Chalky Sh Gry-Drk Gry-Aqua Soft "Gummy" No Odor No Flor No Stn NS

QUEEN HILL SHALE 4041' (-1812)

Sh Blk Carb- Char-Gry-Aqua Fissil-Soft Ls Wht Fxln Micrite Fos (Fuss) Pyr Mass Chalky No Odor No Flor No Stn NS

Sh Blk Carb- Char-Gry-Aqua Fissil-Soft Ls Wht Fxln Micrite Fos (Fuss) Pyr Mass Chalky No Odor No Flor No Stn NS

Sh Blk Carb- Char-Gry-Aqua Fissil-Soft Ls Wht Fxln Micrite Fos (Fuss) Pyr Mass Chalky No Odor No Flor No Stn NS

Sh Blk Carb- Char-Gry-Aqua Fissil-Soft Ls Wht Fxln Micrite Fos (Crin) Pyr Mass Chalky No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Pyr Mass Chalky Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Pyr Mass Fos (Fuss) Chalky Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Pyr Mass Fos (Fuss) Chalky Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Pyr Mass Fos (Fuss) Chalky Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

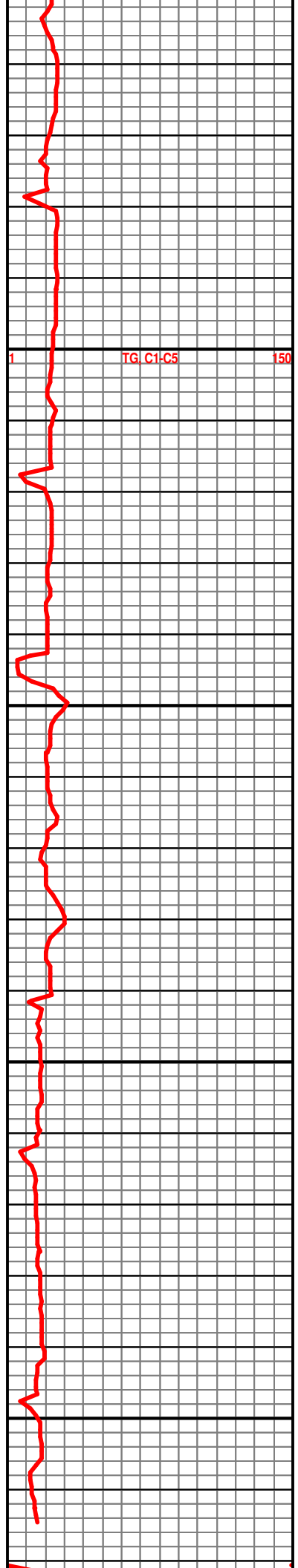
Sh Char-Gry Soft Ls Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

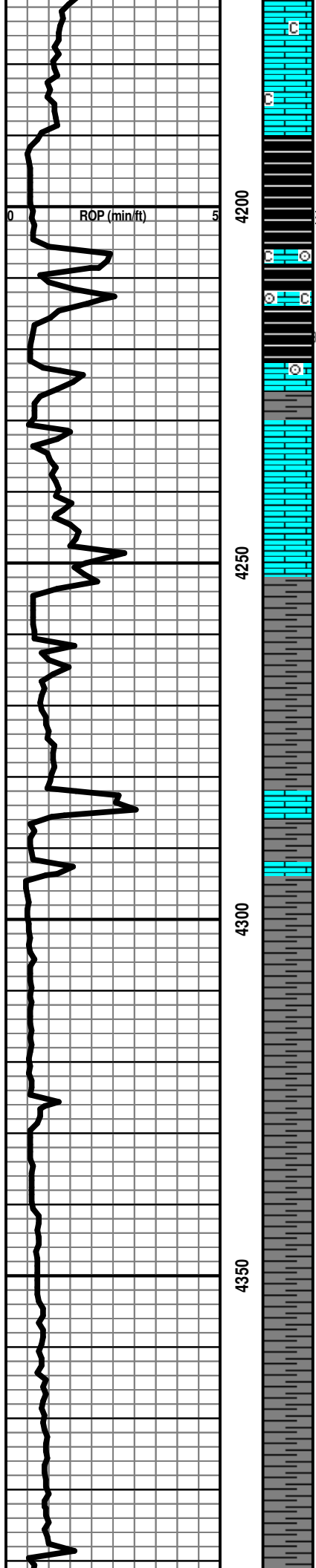
Sh Char-Gry Soft Ls Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

Sh Char-Gry Soft Ls Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky Sh Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky Sh Char-Gry Fissil-Soft No Odor No Flor No Stn NS





Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky Sh Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky Sh Char-Gry Fissil-Soft No Odor No Flor No Stn NS

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Crin) Chalky No Odor No Flor No Stn NS

HEEBNER 4214' (-1985)

Sh Blk Carb-Char-Gry Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Crin) Chalky No Odor No Flor No Stn NS

TORONTO 4231' (- 2002)

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Cht Wht-Gry Translu-Op Shp Vit Pyr Mass Fos (Fuss) Chalky Sh Blk Carb-Char-Gry Fissil-Soft No Odor No Flor No Stn NS

DOUGLAS 4254' (-2025)

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky No Odor No Flor No Stn NS

Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Fos (Fuss) Chalky Sh Char-Gry-Grn Fissil-Soft No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky No Odor No Flor No Stn NS

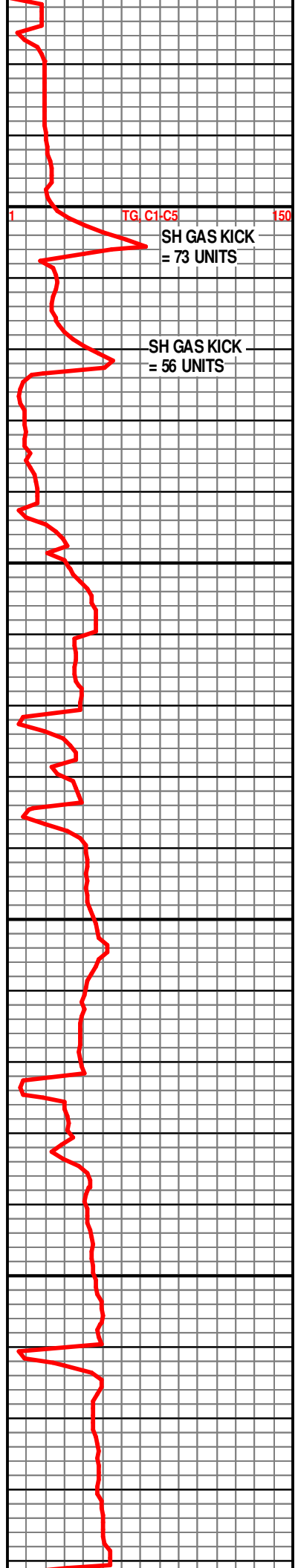
Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Chalky No Odor No Flor No Stn NS

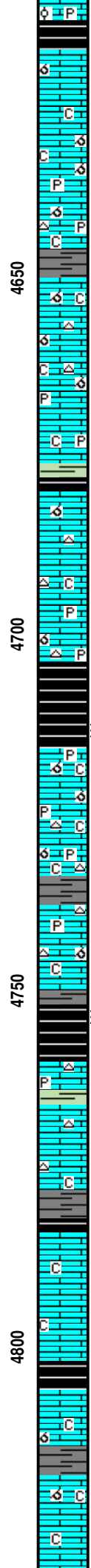
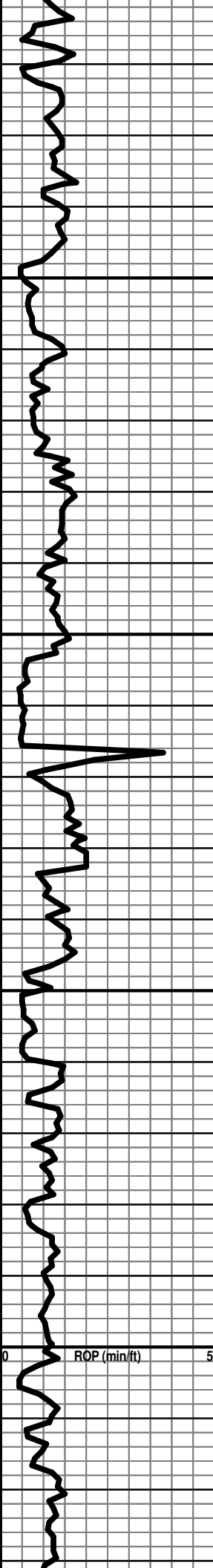
Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Cht Wht-Gry Translu-Op Shp Vit Qtz Ss Gry V-FGrn Well Sort Carb Poor IGran Por Dns-Friable (w/Pyr Includ) Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Cht Wht-Gry Translu-Op Shp Vit Qtz Ss Gry V-FGrn Well Sort Carb Poor IGran Por Dns-Friable (w/Pyr Includ) Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt Por Cht Wht-Gry Translu-Op Shp Vit Qtz Ss Gry V-FGrn Well Sort Carb Poor IGran Por Dns-Friable (w/Pyr Includ) Chalky No Odor No Flor No Stn NS

Sh Char-Gry-Grn Fissil-Soft Ls Wht-Crm Fxln Micrite Grad Poor Ixln Pin-Pt





Ls Wht-Crm-Lt Tan Microxn-Fxn (w/OOL (Small Ooids in pl) V Poor-Fair Leaching (Tr Fair Vug) InterOOM Por (Tr OOL (Small Ooids in pl) V Poor-Fair Leaching (Tr Fair Vug) Pyr Mass Chalky Sh Blk Carb-Char- Gry- Grn Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Tan Microxn-Fxn Micritic Fair OOM Por Poor- Fair InterOOM Por Poor-Fair Leaching Poor Develop Dec Chalky Sh Blk Carb- Char- Gry- Grn- AquaFissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Tan Microxn-Fxn Mostly Micrite Tr Fair OOM Por Poor- Fair InterOOM Por Poor-Fair Leaching Poor Develop Dec AA Chalky Sh Blk Carb -Char-Gry (w/Pyr Inclus)-Grn-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Tan Microxn-Fxn Mostly Micrite Tr Poor OOM Por AA Cht- Amber-Lt Brn Op Shp Vit Chalky Pyr Mass Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Tan Microxn-Fxn Mostly Micrite Grad Fair OOM Por Poor- Fair InterOOM Por Poor-Fair Leaching Poor Develop Cht Wht Op Shp Vit Chalky Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Lt Tan Microxn-Fxn Mostly Micrite Grad Fair OOM Por Poor- Fair InterOOM Por Poor-Fair Leaching Poor Develop Cht Wht Op Shp Vit Chalky Sh Char-Gry (w/Pyr Inclus)-Aqua Fissil No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry (w/Pyr Inclus) Fissil Ls Wht-Crm-Lt Tan Microxn-Fxn Mostly Micrite Grad Fair OOM Por Poor- Fair InterOOM Por Poor-Fair Leaching Poor Develop Chalky No Odor No Stn No Flor NS

Sh Char-Gry (w/Pyr Inclus)-Blk Carb Fissil Ls Wht-Crm-Lt Tan Microxn-Fxn Mostly Micrite Grad Tr Fair OOM Por Poor InterOOM Por Poor Leaching Poor Develop Dec Cht Wht Op Shp Vit Chalky No Odor No Stn No Flor NS

Ls Crm-Lt Tan-Wht Microxn-Fxn Mostly Micrite Tr Poor OOM Por AA Cht- Wht Op Shp Vit Chalky Pyr Mass Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Crm-Lt Tan-Wht Microxn-Fxn Mostly Micrite Poor OOM Por AA (Tr Only) Cht- Wht Op Shp Vit Chalky Sh Blk Carb (w/Pyr Inclus) Char-Gry (w/Pyr Inclus) Fissil No Odor No Stn No Flor NS

KANSAS CITY "J" DENNNIS 4716' (- 2487)

Ls Lt Tan-Wht VFxn Mostly Micrite Poor OOM Por Grad Poor OOM Por Poor InterOOM Por Poor Leaching Poor Develop Chalky Sh Blk Carb (w/Pyr Inclus) Char-Gry (w/Pyr Inclus) Fissil No Odor No Stn No Flor NS

Ls Lt Tan-Wht VFxn Mostly Micrite Poor OOM Por Grad Poor OOM Por Poor InterOOM Por Poor Leaching Poor Develop Grad Pin-Pt Ixn Por Cht Gry Op Shp Vit Pyr Mass Chalky Sh Blk Carb (w/Pyr Inclus) Char-Gry (w/Pyr Inclus) Fissil No Odor No Stn No Flor NS

Ls Lt Tan-Wht VFxn Mostly Micrite Poor OOM Por Grad Poor OOM Por Poor InterOOM Por Poor Leaching Poor Develop Grad Pin-Pt Ixn Por Cht Gry Op Shp Vit Chalky Sh Blk Carb (w/Pyr Inclus) Char-Gry (w/Pyr Inclus) Fissil No Odor No Stn No Flor NS

STARK SHALE 4750' (- 2521)

Sh Blk Carb-Char-Gry Fissil (w/SG Abd in Blk Sh) Ls Lt Tan-Wht Fxn Mostly Micrite Grad Fair Pin-Pt Ixn Por No Vis Por Chalky No Odor No Stn No Flor NS

KANSAS CITY "K" SWOPE 4760' (-2531)

Ls Lt Tan-Wht Fxn Mostly Micrite Grad Fair Pin-Pt Ixn Por Inc No Vis Por Cht Wht Op Shp Vit Chalky Pyr Mass Sh Blk Carb- Char- Gry- Aqua Fissil No Odor No Stn No Flor NS

Ls Lt Tan-Wht Fxn Mostly Micrite Dns Grad Fair Pin-Pt Ixn Por Cht Gry-Wht Op Shp Vit Chalky Sh Char-Gry-Blk Carb Fissil No Odor No Stn No Flor NS

Ls Lt Tan-Wht Fxn Mostly Micrite Dns Grad Fair Pin-Pt Ixn Por Chalk Sh Char - Gry- Fissil No Odor No Stn No Flor NS

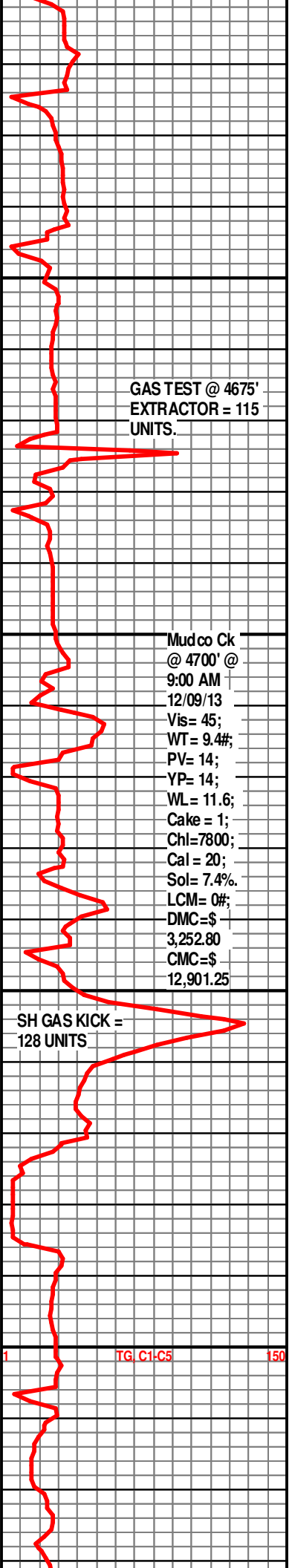
Ls Lt Tan-Wht-Gry Fxn Mostly Micrite Dns Grad Fair Pin-Pt Ixn Por Chalk Sh Char-Gry-Blk Carb Fissil No Odor No Stn No Flor NS

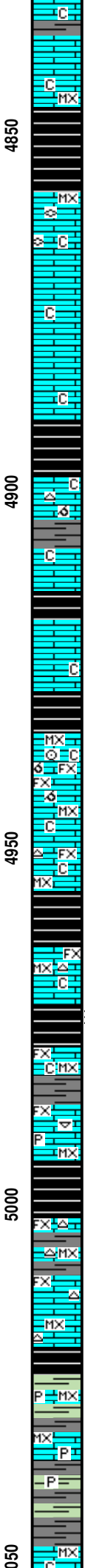
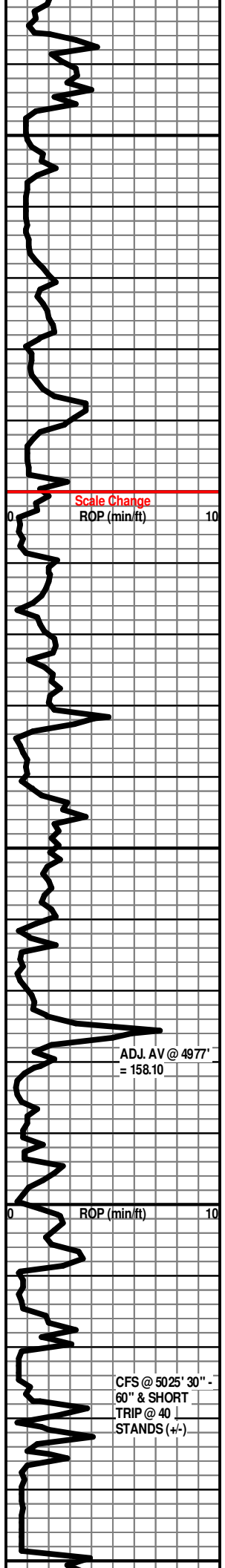
HUSHPUCKNEY 4802' (- 2573)

Ls Wht-Gry-Lt Tan Fxn Mostly Micrite Dns Grad Poor Pin-Pt Ixn Por Chalk Sh Char-Gry-Blk Carb-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Gry-Lt Tan Fxn Mostly Micrite Dns Grad Poor Pin-Pt Ixn Por Grad Poor OOM Por Poor InterOOM Por Poor Leaching Chalk Sh Blk Carb-Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Gry-Lt Tan Fxn Mostly Micrite Dns Grad Poor Pin-Pt Ixn Por Chalk Sh Char-Gry-Aqua Fissil No Odor No Stn No Flor NS





Ls Wht-Gry-Lt Tan FxIn Mostly Micrite Dns Grad Poor Pin-Pt IxIn Por Chalk Sh Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

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

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

Ls Wht-Crm FxIn Micrite Grad Fair-Med Pin-Pt IxIn Por Barren Fos (Fuss) Chalky Sh Blk Carb-Gry-Lt Brn-Aqua/Grn-Red Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm FxIn Micrite Grad Fair-Med Pin-Pt IxIn Por Barren Chalky Sh Blk Carb-Gry-Lt Brn-Aqua/Grn-Red Soft-Fissil No Odor No Stn No Flor NS

Sh Blk Carb-Gry-Lt Brn-Aqua/Grn-Red Soft-Fissil Ls Wht-Crm FxIn Micrite Grad Fair-Med Pin-Pt IxIn Por Barren Chalky No Odor No Stn No Flor NS

MARMATON 4898' (- 2669)

Ls Wht MicroIn-FxIn Dns Micrite Grad Poor OOM Por Grad Poor OOM Por Poor InterOOM Por Poor Leaching Poor Develop Por Cht Wht Op Shp Vit Chalky Sh Blk Carb-Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht MicroIn-FxIn Dns Micrite Chalky Abd Sh Blk Carb-Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm MicroIn-FxIn Dns Micrite Poor IxIn Por Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

PAWNEE 4931' (- 2702)

Ls Wht MicroIn-FxIn Dns Micrite No Vis Por Grad Poor Pin-Pt IxIn Por Barren Fos (Crim) Chalk Sh Blk Carb-Char-Gry Fissil AA No Odor No Stn No Flor NS

Ls Wht MicroIn-FxIn Dns Micrite No Vis Por Barren Grad Fair OOM Por Fair Leaching Fair Develop Chalk Sh Blk Carb-Char-Gry Fissil AA No Odor No Stn No Flor NS

Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite Grad Poor Pin-Pt Por Cht Amber-Tan Translu-Op Shp Vit Chalky Sh Blk Carb-Char Fissil No Odor No Stn No Flor NS

FORT SCOTT 4973' (- 2744)

Sh Blk Carb-Char Fissil Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite Grad Poor Pin-Pt Por Cht Wht-Crm Op Shp Vit Chalky No Odor No Stn No Flor NS

CHEROKEE SHALE 4974' (- 2745)

Sh Blk Carb-Char Fissil Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite Cht Wht-Crm Op Shp Vit Chalky No Odor No Stn No Flor NS

Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite Cht Wht-Crm Op Shp Vit Fos (Pelec) Chalky Sh Blk Carb-Char Fissil No Odor No Stn No Flor NS

Sh Blk Carb-Char-Gry-Drab Grn-Aqua Fissil Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite (w/Pyr Includ) Grad Poor IxIn Pin-Pt Por Barren No Odor No Stn No Flor NS

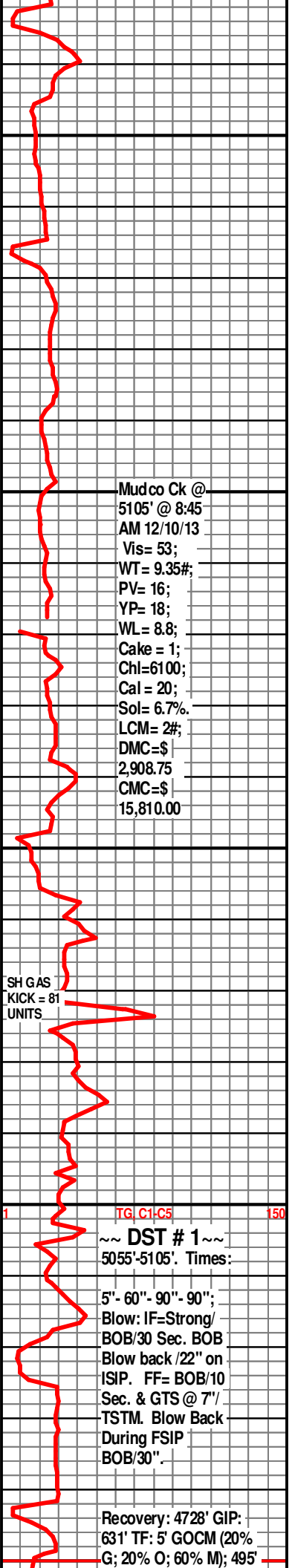
30" CFS @ 5025' Sh Blk Carb-Char-Gry-Drab Grn-Aqua Fissil Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite Grad Poor IxIn Pin-Pt Por Barren Cht Wht-Gry Op Shp Vit No Odor No Stn No Flor NS

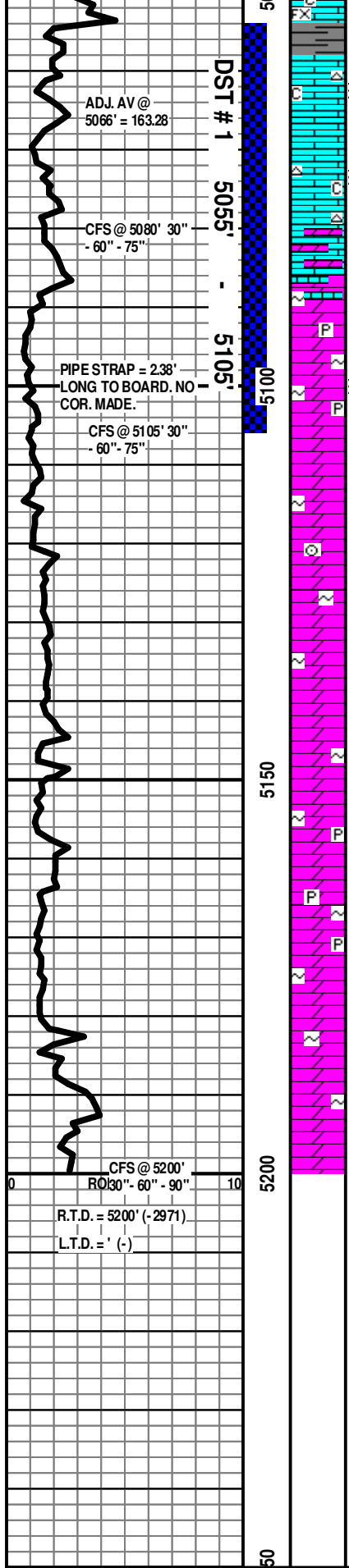
60" CFS @ 5025' Sh Blk Carb-Char-Gry-Drab Grn-Aqua Fissil Ls Wht-Lt Tan MicroIn-FxIn Dns Micrite Grad Poor IxIn Pin-Pt Por Barren Cht Wht-Gry Op Shp Vit No Odor No Stn No Flor NS

Ls Wht-Lt Tan MicroIn-FxIn (w/Pyr Includ) Dns Micrite Grad Poor IxIn Pin-Pt Por Barren Sh Char-Gry-Drab Grn-Aqua-Blk Carb Fissil No Odor No Stn No Flor NS

Sh Blk Carb-Char-Drab Grn/Gry-Aqua (w/Pyr Includ) Fissil Ls Wht-Lt Tan MicroIn-FxIn (w/Pyr Includ) Dns Micrite Grad Poor IxIn Pin-Pt Por Barren No Odor No Stn No Flor NS

MISSISSIPPIAN 5049' (- 2820)





30" CFS @ 5080' Ls Wht-Lt Tan Microxn-Fxn Micritic Grad Poor-Fair Pin-Pt Ixn Por (w/SG) Tr Scat Stn (Lt Brn) Cht Wht Trip Op Shp Vit Chalky Sh Char-Gry Fissil Faint Inc Odor Sli Flor (Lt Grn) Sli SG

60" CFS @ 5080' Ls Wht-Lt Tan Microxn-Fxn Micritic Grad Poor-Fair Pin-Pt Ixn Por (w/SG) Tr Scat Stn (Lt Brn w/SSFO in 5% of Tray) Cht Wht Trip Op Shp Vit Chalky Sh Char-Gry Fissil Faint Inc Odor Sli Flor (Lt Grn) SSG & SSSO

Ls Wht-Lt Tan Microxn-Fxn Micritic Grad Poor-Fair Pin-Pt Ixn Por (w/SG) Sli Scat Stn (Lt Brn) Cht AA Chalk Sh Char-Gry Fissil Med Odor Inc Sli Flor (Lt Grn) SSG

SALEM (SPERGEN) Ø 5087' (- 2858)

30" CFS @ 5105' Dolo/Ls Gry-Crm Fxn Med-Good Pin-Pt Ixn "Salt & Pepper" SucrosicPor (w/GSG & Tr SSO) (w/Gillsonitic Drk Blk Residue & Glacu & Pyr Includ) Brittle Good Odor (Both Gas & Oil Do Flor Lt Grn & Oil is Transp/Clear) Fair Scatt Stn Drk Blk Med Flor Med-Good SG & SSO

60" CFS @ 5105' Dolo Gry-Tan Fxn Med-Good Pin-Pt Ixn "Salt & Pepper" Sucrosic Por Grad Good Vug Leaching (w/GSG & GSO) (w/Gillsonitic Drk Blk Residue & Glacu & Pyr Includ) Brittle Cht Drk Gry (w/Fos Includ) Translu-Op Shp Vit Good Inc Odor Med-Good (Lt Brn) Stn Fair Med Flor Med-Good SG & SFO

MISS. WARSAW 5115' (- 2886)

Dolo Gry-Crm Fxn-Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr Glacu Includ) Cht-Drk Gry Translu-Op Shp Vit Stn Drk Blk Stn (Tr Only) Fos (Crin) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

Dolo Gry-Crm Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr Glacu Includ) Stn Drk Blk Stn (Tr Only) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

Dolo Gry-Crm Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr Glacu Includ) Stn Drk Blk Stn (Tr Only) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

Dolo Gry-Crm Microxn Dns Micritic Grad Poor-Fair Pin-Pt Ixn Por (w/Tr Glacu Includ) Tr SSG & SSO ? Sluff (1 Pc) Stn Drk Blk Stn (Tr Only) Sh Char-Gry-Aqua Fissil No Odor No Flor No Stn NS

Dolo Gry-Crm Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr & Pyr Glacu Includ) Stn Drk Blk Stn (Tr Only) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

30" CFS @ 5200' Dolo Gry-Crm Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr Glacu & Pyr Includ) Stn Drk Blk Stn (Tr Only) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

60" CFS @ 5200' Dolo Gry-Crm Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr Glacu Includ) Stn Drk Blk Stn (Tr Only) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

90" CFS @ 5200' Dolo Gry-Crm Microxn Dns Micritic Grad Poor Pin-Pt Ixn Por (w/Tr Glacu Includ) Stn Drk Blk Stn (Tr Only) Sh Char -Gry -Aqua Fissil No Odor No Flor No Stn NS

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

Geologist Left Location at: : AM on 12/11/2013

GO (10% G; 90% O); 131' GOCM (10% G; 40% O; 50% M). No Salt Wtr.

Pressures:
 IH = 2896#;
 FH = 2553#;
 IF = 95-77#;
 FF = 88-209#;
 ISIP = 1094#;
 FSIP = 573#;
 T. = 118 degrees. F.
 API Grv. (Corrected) = 34.9 degrees F.

GAS KICK = 230 UNITS

TG C1-C5 250



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

8080 E Central Ste 300
Wichita, KS 67206

ATTN: Dave Williams

MTPRC B 31-22

22-30s-19w Kiowa,KS

Start Date: 2013.12.10 @ 11:03:05

End Date: 2013.12.10 @ 20:52:20

Job Ticket #: 51908 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.11 @ 15:32:27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

22-30s-19w Kiowa, KS

8080 E Central Ste 300
Wichita, KS 67206

MTPRC B 31-22

Job Ticket: 51908

DST#: 1

ATTN: Dave Williams

Test Start: 2013.12.10 @ 11:03:05

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:29:35

Time Test Ended: 20:52:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

Interval: 5055.00 ft (KB) To 5105.00 ft (KB) (TVD)

Reference Elevations: 2229.00 ft (KB)

Total Depth: 5105.00 ft (KB) (TVD)

2218.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press@RunDepth: 209.24 psig @ 5056.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.10

End Date:

2013.12.10

Last Calib.:

2013.12.10

Start Time:

11:03:06

End Time:

20:52:20

Time On Btm:

2013.12.10 @ 13:12:35

Time Off Btm:

2013.12.10 @ 17:40:35

TEST COMMENT:

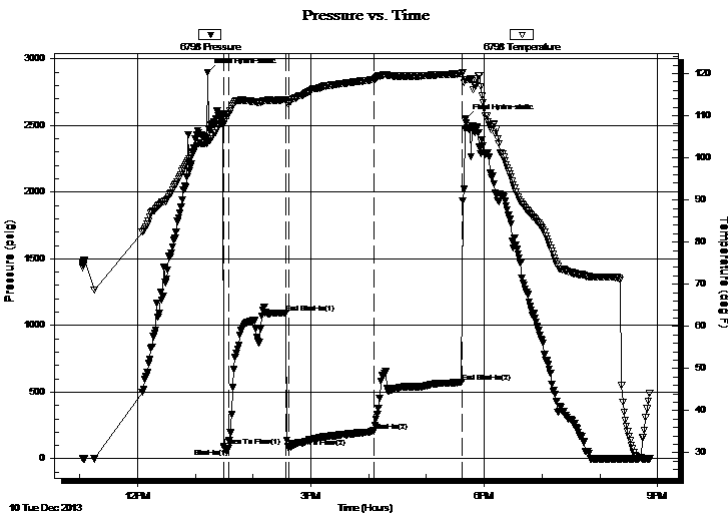
IF: Strong Blow , BOB in 1 minute

IS: Blow Back Built to BOB in 22 minutes

FF: Strong Blow , BOB in 10 seconds, GTS in 7 minutes, Caught Sample, TSTM

FF: Blow Back Built to BOB in 30 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2898.18	103.70	Initial Hydro-static
17	95.17	107.97	Open To Flow (1)
22	77.19	110.56	Shut-In(1)
82	1094.09	113.86	End Shut-In(1)
85	87.72	112.96	Open To Flow (2)
173	209.24	118.58	Shut-In(2)
265	572.91	119.98	End Shut-In(2)
268	2553.21	118.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
131.00	GOCM 10G 40%O 50%M	0.64
495.00	GSY Oil 10%G 90%O	6.44
5.00	GOCM 20%G 20%O 60%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

22-30s-19w Kiowa,KS

8080 E Central Ste 300
Wichita, KS 67206

MTPRC B 31-22

Job Ticket: 51908

DST#: 1

ATTN: Dave Williams

Test Start: 2013.12.10 @ 11:03:05

Tool Information

Drill Pipe:	Length: 4873.00 ft	Diameter: 3.80 inches	Volume: 68.36 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 186.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 69.27 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5055.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5034.00	
Hydraulic tool	5.00			5039.00	
Jars	5.00			5044.00	
Safety Joint	2.00			5046.00	
Packer	5.00			5051.00	26.00 Bottom Of Top Packer
Packer	4.00			5055.00	
Stubb	1.00			5056.00	
Recorder	0.00	6798	Inside	5056.00	
Recorder	0.00	8367	Outside	5056.00	
Perforations	7.00			5063.00	
Change Over Sub	1.00			5064.00	
Drill Pipe	32.00			5096.00	
Change Over Sub	1.00			5097.00	
Perforations	5.00			5102.00	
Bullnose	3.00			5105.00	50.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

22-30s-19w Kiowa,KS

8080 E Central Ste 300
Wichita, KS 67206

MTPRC B 31-22

Job Ticket: 51908

DST#: 1

ATTN: Dave Williams

Test Start: 2013.12.10 @ 11:03:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 8.77 in³
Resistivity: ohm.m
Salinity: 6100.00 ppm
Filter Cake: 0.02 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34.9 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

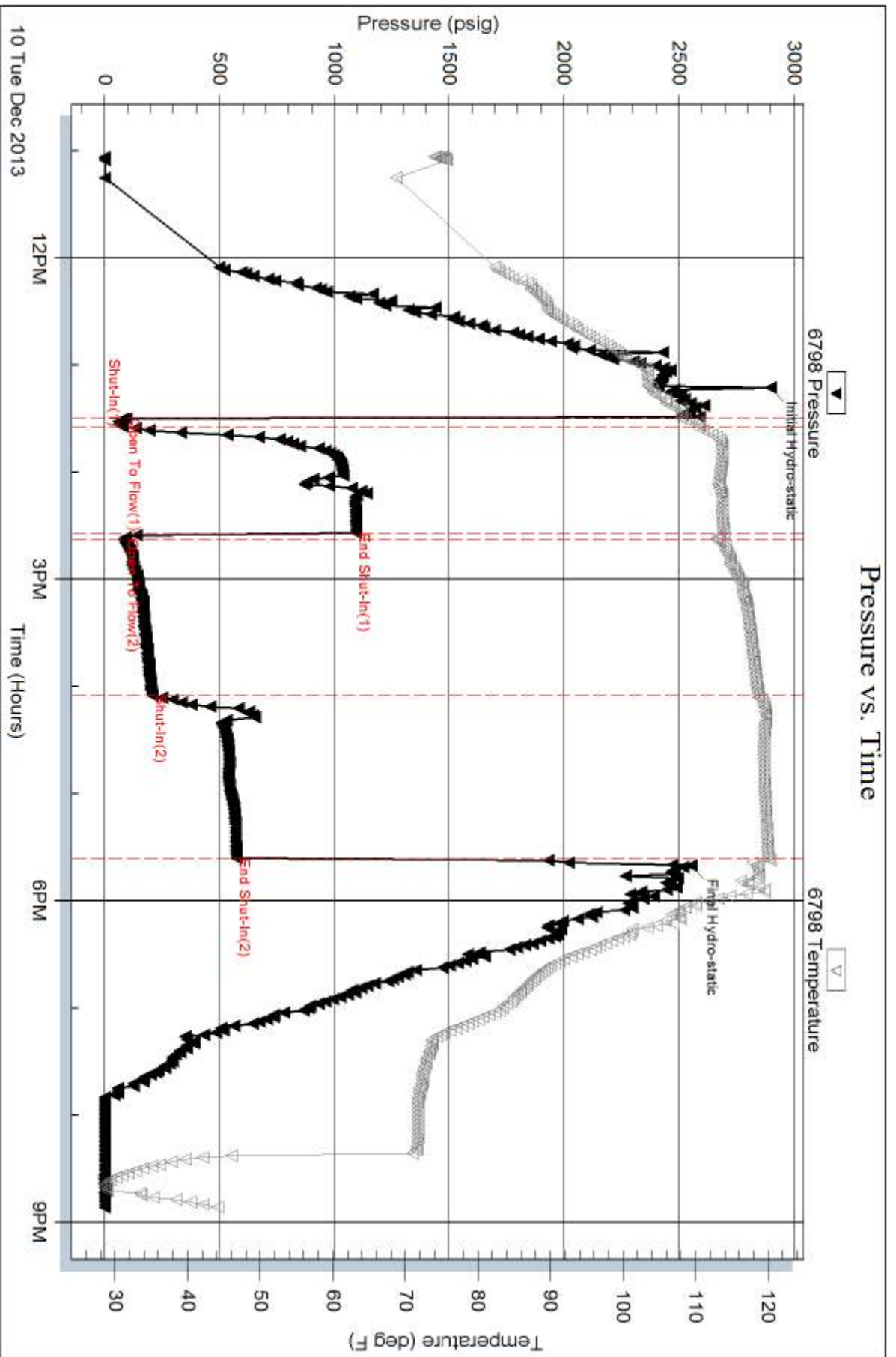
Length ft	Description	Volume bbl
0.00	GTS	0.000
131.00	GOCM 10G 40%O 50%M	0.644
495.00	GSY Oil 10%G 90%O	6.443
5.00	GOCM 20%G 20%O 60%M	0.070

Total Length: 631.00 ft Total Volume: 7.157 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity w as 34.4 @55 degrees

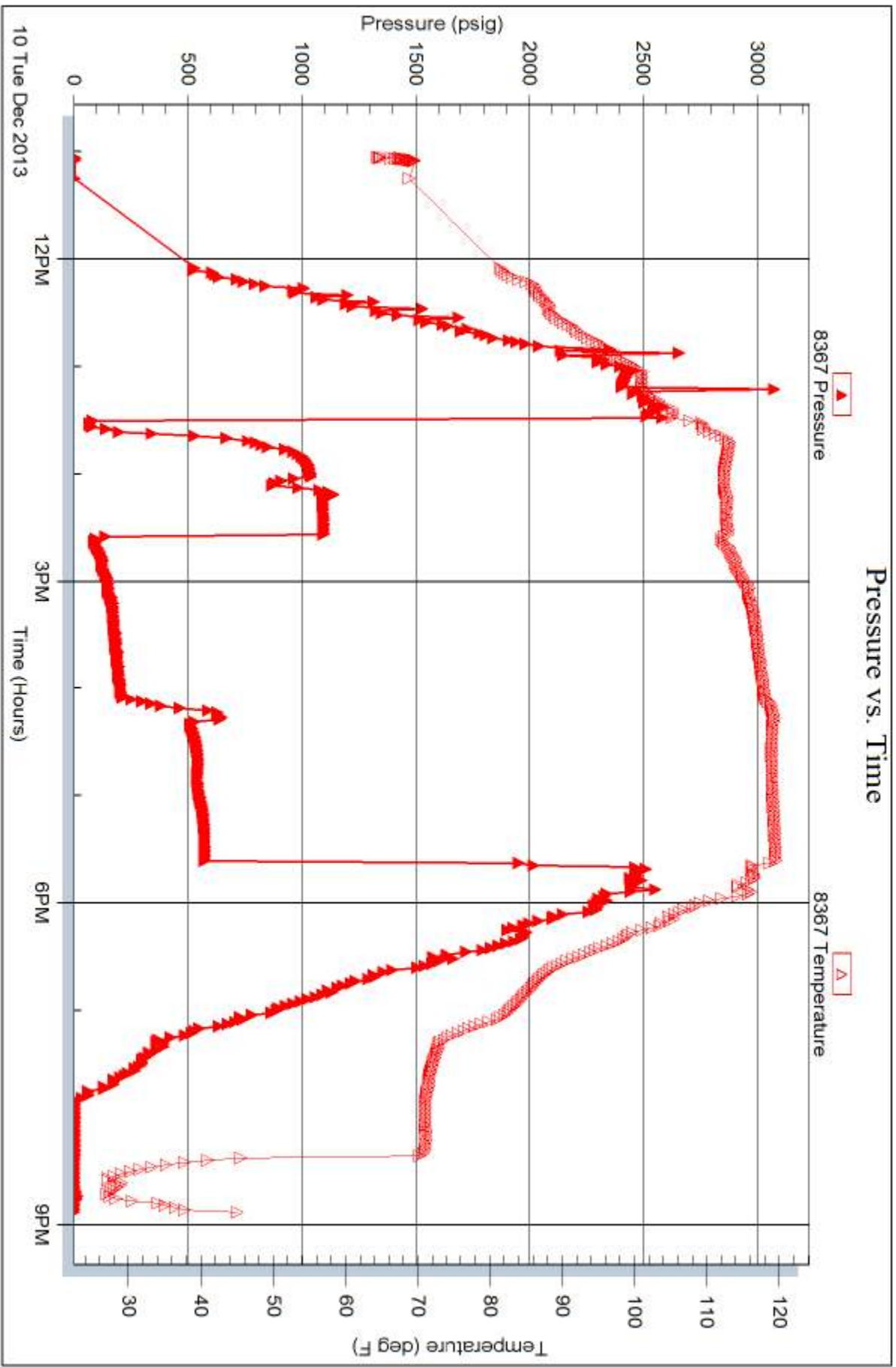


Serial #: 8367

Outside McCoy Petroleum Corporation

MTRRC B 31-22

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51908

Well Name & No. MT PRC B 1-22 Test No. 1 Date 12/10/13
 Company McCoy Petroleum Corporation Elevation 2219 KB 2218 GL
 Address 8080 E Central Ste 300 Wichita, KS 67206
 Co. Rep / Geo. Dave Williams Rig Sterling 2
 Location: Sec. 22 Twp. 30S Rge. 19W Co. Kiowa State KS

Interval Tested 5055 - 5105 Zone Tested Mississippi
 Anchor Length 50 Drill Pipe Run 4873 Mud Wt. 9.3
 Top Packer Depth 5050 Drill Collars Run 186 Vis 53
 Bottom Packer Depth 5055 Wt. Pipe Run 0 WL 8.8
 Total Depth 5105 Chlorides 6100 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 1 minute
ISI: Blow Back Built to BOB in 22 minutes
FF: Strong Blow, BOB in 10 seconds, GTS in 7 minutes, caught sample, TSTM

Rec	Feet of	%gas	%oil	%water	%mud
<u>4728</u>	<u>GIP</u>				
<u>131</u>	<u>GOCM</u>	<u>10</u>	<u>40</u>	<u>50</u>	
<u>495</u>	<u>oil</u>				
<u>5'</u>	<u>GOCM</u>	<u>20</u>	<u>20</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec Total	<u>631</u> BHT <u>118</u>	Gravity <u>34.9</u>	API RW <u>N/C</u>	@ <u>N/C</u> °F	Chlorides <u>N/C</u> ppm

(A) Initial Hydrostatic	<u>2897</u>	<input checked="" type="checkbox"/> Test	<u>1350</u>	T-On Location	<u>09:45</u>
(B) First Initial Flow	<u>95</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>11:03</u>
(C) First Final Flow	<u>77</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>13:29</u>
(D) Initial Shut-In	<u>1094</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>17:36</u>
(E) Second Initial Flow	<u>88</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>20:52</u>
(F) Second Final Flow	<u>209</u>	<input checked="" type="checkbox"/> Mileage	<u>1107</u> <u>170.50</u>	Comments	
(G) Final Shut-In	<u>573</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2553</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>5</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>60</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>90</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>90</u>	<input type="checkbox"/> Day Standby		Total	<u>1845.50</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1845.50</u>		

Approved By Daniel P. Winters Our Representative [Signature]

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.

NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-482-2371
Fax: 620-626-7108

Lab Number: 20133540
Sample From: MTPRC B-1-22
Producer: MCCOY PETROLEUM
Date:
Time:
Sampler:
Source: DST 1

Analyzed: 12/17/13
Pressure:
Temperature:
Location: 22-30-19
County: KIOWA
State: KANSAS
Formation: MISS

	Mole %	GPM
Helium	He: 0.000	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 0.957	0.000
Carbon Dioxide	CO2: 0.032	0.000
Methane	C1: 79.087	0.000
Ethane	C2: 10.921	4.096
Propane	C3: 4.351	1.631
Iso Butane	iC4: 1.187	0.364
Normal Butane	nC4: 1.754	0.558
Iso Pentane	iC5: 0.583	0.160
Normal Pentane	nC5: 0.432	0.119
Hexanes Plus	C6+: 0.696	0.160
TOTAL:		100.000 7.087
Z Fact:		0.9997
SP.GR.:		0.7346
BTU (SAT):		1276.8 @ 14.73 psia
BTU (DRY):		1299.4 @ 14.73 psia
OCTANE RATING:		121.9

COMMENTS:

0.000