



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1222212
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: _____

1222212

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: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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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MASSIER "B" #1-31 ACO-1 Supplemental (Sample & Log Tops)

SAMPLE TOPS

McCoy Petroleum Corp.
Massier 'B' #1-31
165'S & 115'E of C E2 SW
1155'FSL & 3185'FEL
Sec 31-11s-19w
KB: 2105'

	Depth	Datum
Anhydrite	1468	+637
Base Anhydrite	1504	+601
Topeka	3130	-1025
Heebner	3349	-1244
Toronto	3372	-1267
Lansing 'A'	3392	-1287
Lansing 'B'	3423	-1318
Lansing 'CD'	3442	-1337
Lansing 'EF'	3464	-1359
Lansing 'G'	3482	-1377
Lansing 'H'	3526	-1421
Lansing 'I'	3546	-1441
Lansing 'J'	3565	-1460
Stark	3589	-1476
KC 'K'	3593	-1488
BKC	3626	-1521
Arbuckle	3702	-1597
RTD	3840	-1739

LOG TOPS

McCoy Petroleum Corp.
Massier 'B' #1-31
165'S & 115'E of C E2 SW
1155'FSL & 3185'FEL
Sec 31-11s-19w
KB: 2105'

	Depth	Datum
Anhydrite	1453	+652
Base Anhydrite	1500	+605
Topeka	3126	-1021
Heebner	3348	-1243
Toronto	3368	-1263
Lansing 'A'	3389	-1284
Lansing 'B'	3421	-1316
Lansing 'CD'	3440	-1335
Lansing 'EF'	3463	-1358
Lansing 'G'	3479	-1374
Lansing 'H'	3520	-1415
Lansing 'I'	3539	-1434
Lansing 'J'	3555	-1450
Stark	3570	-1465
KC 'K'	3574	-1469
BKC	3608	-1503
Arbuckle	3704	-1599
LTD	3837	-2101



**Natural Gas • Crude Oil
Exploration & Production**

McCOY PETROLEUM CORPORATION

Wichita, Kansas

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

Well Name: Massier 'B' #1-31

Well Id:

Location: Sec. 31 - T 11S - R 19 W, Ellis County, KS

License Number: API #: 15-051-26708-0000

Region: Ellis 12-20

Spud Date: June 21, 2014

Drilling Completed: June 29, 2014

Surface Coordinates: NW NE SE SW
1155' FSL & 3185' FEL

Bottom Hole

Coordinates:

Ground Elevation (ft): 2100'

K.B. Elevation (ft): 2105'

Logged Interval (ft): 3000' To: 3837' Total Depth (ft): 3837'

Formation: Arbuckle

Type of Drilling Fluid: Chemical/Polymer/Gel & Mud displacement at 2783'.

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

OPERATOR

Company: McCoy Petroleum Corporation, KCC License #5003

Address: 9342 E. Central
Wichita, KS 67206

GEOLOGIST

Name: Evan Stone & David P. Williams, P.G. KS. #88

Company: McCoy Petroleum Corporation

Address: 9342 E. Central
Wichita, KS 67206

Casing & Deviation Surveys Taken:

Spud at 5:45 pm on 6/21/2014.

Drilled 12-1/4" surface hole to 219'. Ran 5 joints of new 8-5/8" 23# surface casing. Tally 209.68'. Set at 219' KB. Welded straps on casing. Allied cemented with 165 sacks of Common with 2% Gel and 3% CC. Plug down @ 1:00 am on 6/22/2014. Cement did circulate.

Deviation surveys taken: @ 219' = 1/2 degree; @ 3492' = 1 degree;

DSTs

~~DST #1~~ Interval: 3457' - 3492'. Times: 5"-60"-90"-120". Blow: IF=Weak/1/2". No Blow Back During ISIP. FF= Weak Blow/3.5". No Blow Back During FSIP. Recovery: 100' MW (20% M & 80% W). Pressures: IH=1699#; FH=1653#; IF=13-20#; FF=19-64#; ISIP=522#; FSIP=482#; TEMP.=113 degrees. F.; WTR =27,000 Ppm Chl.; API RW= .213 @ 80 degrees F...

~~DST # 2~~ Interval: 3541' - 3588'. Times: 5"-60"-60"- 60". Blow: IF=Weak/1/4". No Blow Back During ISIP. FF= No Blow/Dead Instant. No Blow Back During FSIP. Recovery: 1' M (100% M). Pressures: IH=1764#; FH=1705#; IF=16-18#; FF=16-17#; ISIP=43#; FSIP=22#; TEMP.=110 degrees. F..

~~DST #3~~ Interval: 3679' - 3722'. Times: 5"- 60"- 90"- 120". Blow: IF=Strong BOB/2". Weak Blow Back During ISIP Build/3.5". FF= Strong BOB Blow/2". No Blow Back During FSIP. Recovery: 1878" TF: 110' MCGO (5% G, 75% O & 20% M); 1768' GO (25% G & 75% O). No Wtr. Pressures: IH=1840#; FH=1746#; IF=133-189#; FF=210-656#; ISIP=1116#; FSIP=797#; TEMP.=114 degrees. F.; API Grv.=36 degrees.

~~DST #4~~ Interval: 3722'-3732'. Times: 5"- 60"- 60"- 60". Blow: IF=Weak/1/4". No Blow Back During ISIP. FF=No Blow. No Blow Back During FSIP. Recovery: 1' M (100% M)(Plugging Observed). Pressures: IH=1866#; FH=1815#; IF=21-111#; FF=62-248#; ISIP =1153#; FSIP =775#; TEMP. =113 degrees. F..

~~DST #5~~ Interval: 3667-3760' (Straddle). Times: 5"-60"- 90"-120". Blow: IF=BOB/2/". Weak Blow Back During ISIP Build/1/4". FF= Strong Blow BOB/3". No Blow Back During FSIP. Recovery: 350' GIP & 1518' TF: 110' GOCM (5% G, 35% O & 60% M); 1408' GO (30% G & 70% O). No Wtr. Pressures: IH=1909#; FH=1796#; IF=81-125#; FF=198-546#; ISIP=971#; FSIP=833#; TEMP.=118 degrees. F.; API Grv.=36 degrees.

Comments

LEGEND

LITHOLOGY

	Chert
	Dolomite
	Cherty dol
	Grn sh
	Gry shale
	Gypsum
	Limestone
	Cherty ls
	Red shale
	Sandy ls
	Salt
	Shale

	Shale green
	Shale red
	Carb shale
	Siltstone
	Sandstone

MINERAL

	Calcite
	Chert
	Glauconite
	Pyrite
	Sand
	Silt

STRINGER

	Dolomite
	Gypsum
	Limestone
	Shale
	Siltstone
	Sandstone

OIL/GAS SHOW

	Gas show
	Good
	Fair
	Poor

Dead

INTERVAL

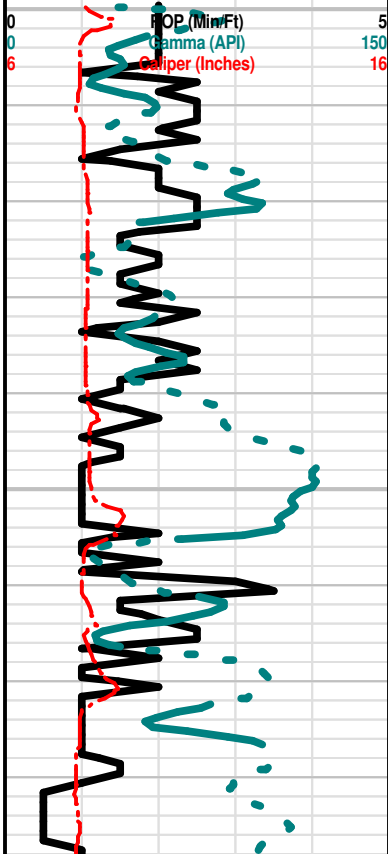
	Porosity
	Dst
	New dst
	Dst_alt
	Straddle test tail pipe

Massier 'B' #1-31

ROP (Min/Ft) 
 Gamma (API) 
 Caliper (Inches) 

0 5
 0 150
 6 16

0 5
 0 150
 6 16



DEPTH

LITHOLOGY

OIL/GAS SHOWS

SAMPLE DESCRIPTIONS

REMARKS

McCoy Petroleum Corporation

Massier 'B' #1-31
 NW NE SE SW
 1155' FSL & 3185' FEL
 Sec. 31 - T11S - R19W
 Ellis 12-20 Prospect Area
 Ellis County, KS
 API: 15-051-26708-0000

Murfin Drilling: Rig #24

Elevations: 2105' KB 2100' GL

Geologist: Evan Stone

Geologist on location: 2650' at 6:30 pm on 6/23/2014

Mud displacement at 2783'

Anhydrite sample top @ 1468'
 Base Anhydrite sample top @ 1504'

Begin 10' Sample Examination at 3000'

Limestone: lt gray-tan, fxln, dense, sl chalky, v foss, no vis porosity, no stn, no odor, no flor, NS; Shale: dk gray

Limestone: dk gray-lt gray-tan, f-mxln, dense, chalky, v foss, no vis porosity, no stn, no odor, no flor, NS; Shale: dk gray, silty

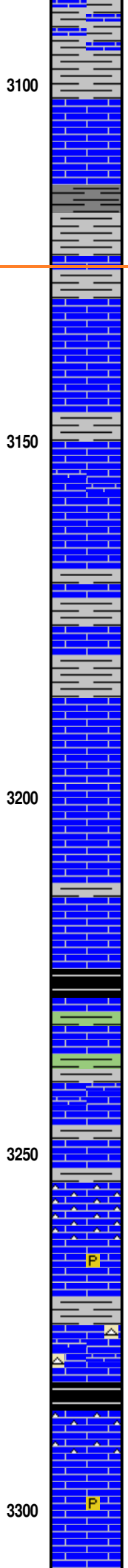
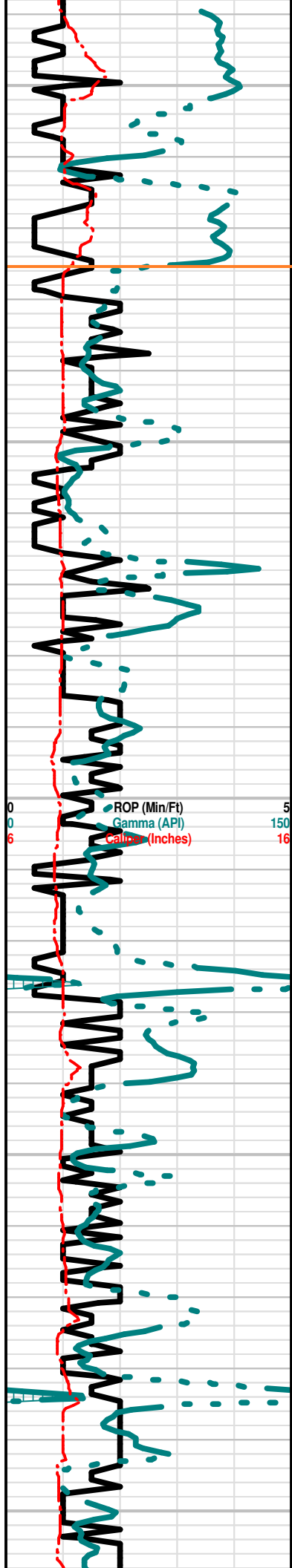
Shale: dk gray, silty; Limestone: lt gray-dk gray, fxln, dense, sl chalky, sl foss, no vis porosity, no stn, no odor, no flor, NS

Limestone: dk gray, mxln, dense, foss, no vis porosity, trc pyrite inclus, no stn, no odor, no flor, NS; Shale: dk gray, silty, pyritic

Shale: dk gray, silty; Limestone: dk gray-lt gray, f-mxln, dense, foss, no vis porosity, no stn, no odor, no flor, NS

Mudco Mud Ck @ 2,253"
 10:35 AM 6/23/2014
 Vis = 28
 WT = 9.4
 PV = 3
 YP = 1
 WL = NA
 Chl = 43,000
 Cal = Hvy
 Sol = 5.3%
 LCM = 0#
 DMC = \$3,381.50
 CMC = \$6,134.25

Mudco Mud Ck @ 3,128"
 9:15 AM 6/24/2014
 Vis = 57



Shale: dk gray-lt gray, v silty; Limestone: as above

Limestone: dk gray-tan, mxln, dense, v foss, no vis porosity, trc pyrite inclus, no stn, no odor, no flor, NS

Limestone: dk gray-tan, f-mxln, dense, sl chalky, foss, no vis porosity, no stn, no odor, no flor, NS

Shale: dk gray- brown, v silty

WI = 8.8
PV = 17
YP = 23
WL= 8.0;
Cake = 2
Chl = 2,800
Cal = 20
Sol = 3.4%
LCM = 1#
DMC = \$641.45
CMC = \$6,775.70

TOPEKA

3126' (- 1021)

Limestone: gray-tan, fxln, dense, sl chalky, foss, no vis porosity, no stn, no odor, no flor, NS; Shale: dk gray-dk green, v silty, trc pyr & calc inclus

Limestone: tan-gray, dolomitic, fxln, dense, chalky, sl foss, trc pp-interxln porosity, no stn, no odor, no flor, NS; Shale: dk gray-dk green-brown, v silty

Limestone: dk gray-lt gray-tan, trc dolomitic, fxln, dense, foss, no vis porosity, no stn, no odor, no flor, NS; Shale: dk gray, silty

Limestone: dk gray-tan, f-mxln, dense, v foss, no vis porosity, no stn, no odor, no flor, NS

Limestone: tan-dk gray-brown, fxln, dense, v chalky, foss, mottled-sucrosic, scat pp-interxln porosity, no stn, no odor, no flor, NS; Shale: dk gray-brown, v silty

Limestone: gray-tan-brown, fxln, dense, v chalky, foss, mottled-sucrosic, some granular, trc pp porosity, no stn, no odor, no flor NS; Shale: dk gray-brown, v silty

Limestone: as above; Shale: dk gray-black, carbonaceous

Limestone: dk gray-lt gray-tan, fxln, dense, mottled, sl chalky, foss, no vis porosity, no stn, no odor, no flor, NS; Shale: lt gray-dk gray, v silty

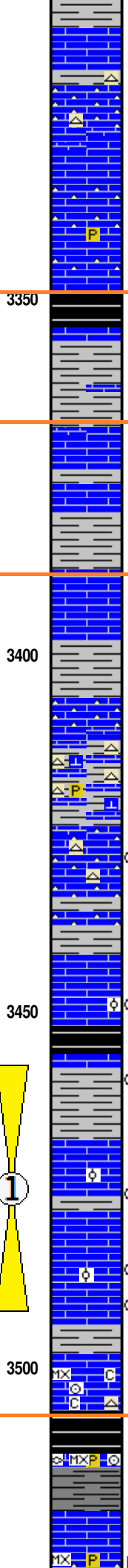
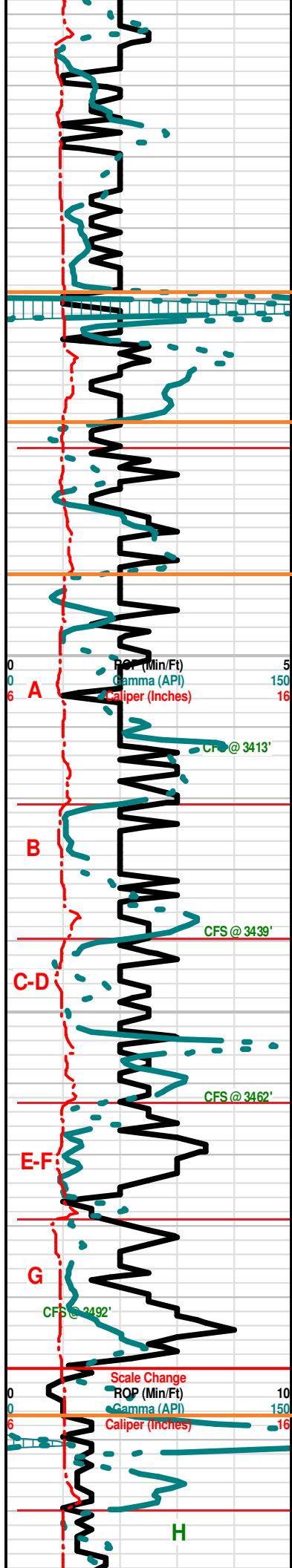
Limestone: cream-gray-tan, fxln, dense, sl mottled, chalky, v foss, no vis porosity, no stn, no odor, no flor, NS; Chert: tan-gray, sharp, opaque, no vis porosity, no stn, no odor, no flor, NS; Shale: dk gray, silty, pyrite inclus

Shale: dk gray-dk green-black, silty, pyrite inclus; Limestone & Chert as above

Limestone: cream-dk gray-tan, fxln, dense, cherty, sl chalky, v foss, scat poor interxln porosity, no stn, no odor, no flor, NS

Shale: dk gray-black, carbonaceous, silty, pyrite inclus

Limestone: cream-tan-gray, f-mxln, chalky, foss, mottled, poor



pp-interxn porosity, no stn, no odor, no flor, NS; Chert: dk gray-tan, sharp, no vis porosity

Limestone: gray-tan, f-mxln, cherty, foss, mottled- sucrosic, poor interxn porosity, no stn, no odor, no flor, NS; Shale: dk gray-dk green, silty

Limestone: dk gray-tan, fxln, cherty, foss, some sucrosic, no vis porosity, no stn, no odor, no flor, NS; Shale: dk gray-brown-dk red, silty, pyritic

HEEBNER

3350

Shale: dk gray-black, carbonaceous

Shale: dk gray-black-brown, some carbonaceous, silty; Limestone: dk gray-cream-tan, fxln, chalky, sl foss, no vis porosity, no stn, no odor, no flor, NS

TORONTO

3367' (-1262)

Limestone: tan-cream-brown, fxln, chalky, foss, no vis porosity, no stn, no odor, no flor, NS; Shale: lt gray-dk gray, fissil

Shale: lt gray-brown-green, silty, pyritic; Limestone: tan-cream, fxln, sl chalky, foss, some mottled, no vis porosity, no stn, no odor, no flor, NS

LANSING

3388' (-1283)

Limestone: white-cream-tan, fxln, chalky, foss, poor-fair pp-interxn porosity, no stn, no odor, no flor, NS; Shale: brown-gray, silty

20" CFS @ 3413: Limestone: cream-white-gray, fxln, chalky, foss, poor-fair interxn porosity, no stn, no odor, no flor, NS; Chert: tan-gray, sharp, fresh, opaque-translu, no vis porosity

40" CFS @ 3413: Limestone: gray-tan, fxln, dense, foss, poor pp-interxn porosity, no stn, no odor, scat dull yellow flor, NS; Chert: as above; Shale: gray-green, silty

Limestone: tan-gray, fxln, dense, sl chalky, v foss, poor pp porosity, scat foss porosity, no stn, no odor, scat dull yellow flor, NS; Chert: tan-gray, sharp, opaque, dull yellow flor, no stn, no odor, NS; Shale: dk gray, pyrite inclus, trc calcite nodules

20" CFS @ 3439: Limestone: tan-gray, fxln, chalky, foss, mostly poor pp porosity, no stn, no odor, 2 pieces w/ fair-mod pp-interxn porosity, lt brown sat stn, poor-mod flor, SSFO on break, no odor; Chert: tan-gray, sharp, opaque, no stn, no odor, dull yellow flor, NS

40" CFS @ 3439: Shale: dk gray-brown-green, silty; Limestone: tan-gray, fxln, foss, no vis porosity, no stn, no odor, no flor, NS

Limestone: gray-tan, f-mxln, v foss, mottled, some granular, poor-fair pp-interfoss porosity, no stn, no odor, no flor, NS

20" CFS @ 3462: Limestone: dk gray, mxln, dense, v foss, mod-fair interfoss porosity, poor pp-interxn porosity, dk brown sat stn, SSFO on break, trc dull yellow flor, sl odor

40" CFS @ 3462: Limestone: dk gray-tan, f-mxln, dense, v foss, sl chalky, poor-mod pp-interxn porosity, trc foss porosity, scat dk brown stn, VSSFO on break, trc dull yellow flor, no odor; Shale: dk gray-black-green, silty, pyritic

Limestone: tan-cream, fxln, v chalky, foss, some oolitic, mod-fair interxn porosity, scat vuggy porosity, dk brown sat stn, trc black dead oil stn, S-FSFO on break, dull-mod yellow flor, sl odor

20" CFS @ 3492: Limestone: tan-cream-white, fxln, dense, v chalky, v foss, some oolitic, mod-fair pp-interxn porosity, lt brown-dk brown sat stn, FSFO on break, several lt brown oil droplets in tray, mod yellow flor, sl-mod odor

40" CFS @ 3492: Limestone: white-tan, f-mxln, v chalky, foss, oolitic, mod-fair interxn-oolitic porosity, trc lt brown stn, SSFO, dull-mod yellow flor, no odor

David P. Williams P.G., relieved Evan Stone @ 3492': 1:00 PM on 6/25/2014 due to scheduling conflict.

Ls Wht-Tan MicroIn Dns Micrite Cht Tan Op Shp Vit Fos (Crin) Chalky Sh Blk Carb-Gry-Aqua Soft-Fissil No Odor No Stn No Flor NS

Sh Blk Carb-Gry-Aqua Soft-Fissil Ls Wht-Tan-Gry (w/Pyr Includ) MicroIn Dns Micrite Fos (Crin, Fuss) Chalky No Odor No Stn No Flor NS

Ls Wht-Tan-Gry MicroIn-Fxln Dns Micrite Grad Poor Pin-Pt lXln Por (1 Pcs w/Dead Dk-Blk Stn) Cht Gry (w/Fos Wht Includ) Fos (Brach) Pyr Mass Chalky Sh Dk Carb-Gry-Aqua Soft-Fissil No Odor No Stn No Flor NS

HEEBNER

3349' (-1244)

TORONTO

3367' (-1262)

LANSING

3388' (-1283)

Mudco Mud Ck @ 3,492'
11.00 AM 6/25/2014
Vis = 58
WT = 9.2
PV = 15
YP = 19
WL = 8.8;
Cake = 2
Chl = 3,800
Cal = 20
Sol = 6.2%
LCM = 3#
DMC = \$1,295.45
CMC = \$8,071.15

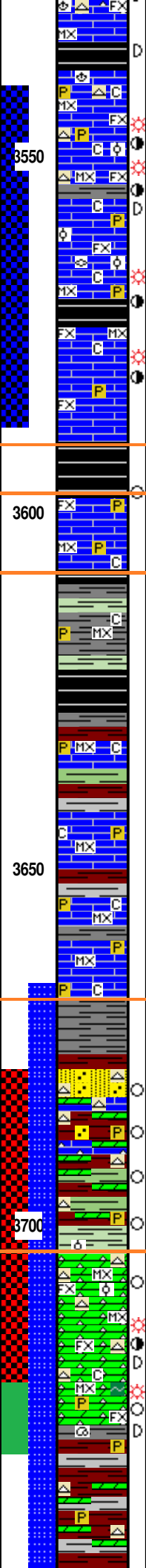
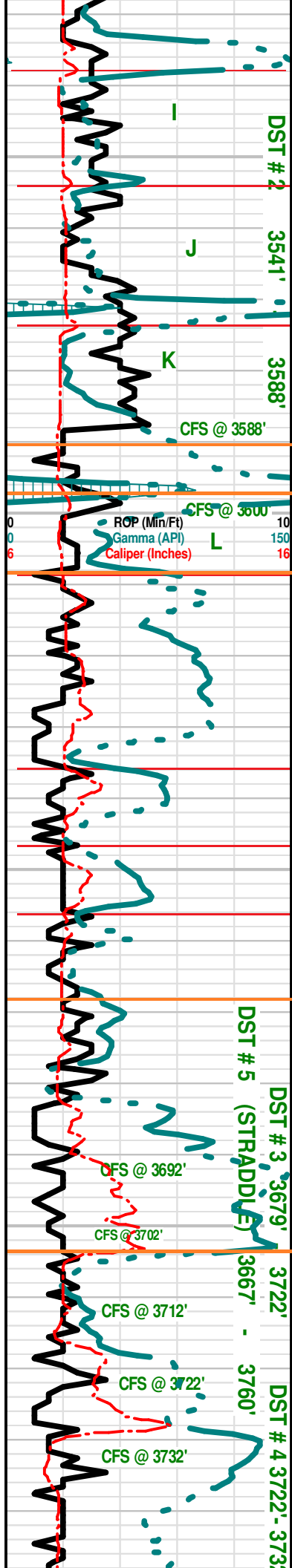
~DST #1~
Interval: 3457' - 3492'
Blow: IF=Weak/1/2'. No Blow Back During ISIP. FF= Weak Blow/3.5". No Blow Back
Times: 5" - 60" - 90" - 120"
recovery: 100 MW (20% M & 80% W).
Pressures:
IH = 1699#;
FH = 1653#;
IF = 13-20#;
FF = 19-64#;
ISIP = 522#;
FSIP = 482#
TEMP. = 113 degrees. F.
WTR = 27,000 Ppm Chl
API RW = .213 @ 80 degrees F.

Survey @ 3492' = 1 degree
Pipe Strap 0.45' LTB

Mudco Mud Ck @ 3,588'
9.20 AM 6/26/2014
Vis = 47
WT = 9.0
PV = 13
YP = 18
Cake = 1
WL = 8.4;
Chl = 4,000
Cal = Tr
Sol = 4.8%
LCM = 3#
DMC = \$17.95
CMC = \$8,089.95

MUNCIE CREEK

3506' (- 1401)



Blk Carb-Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Tan-Gry MicroIn Dns Micrite Grad Poor Pin-Pt IxIn Por (1 Pcs w/Dead Drk-Blk Stn) Cht Amber-Tan Fos (Brach) Pyr Mass Chalky Sh Gry Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Tan-Gry MicroIn-FxIn Dns Micrite Grad Poor Pin-Pt IxIn "Salt & Pepper" Por Grad Poor OOL Por Poor InterOOL (w/Small Ooids in pl) Por Poor Dissolu (w/SSG & SSO) Cht Amber-Tan Fos (Fuss) Pyr Mass Chalky Sh Gry Soft-Fissil Fair-Med Odor Lt Brn Stn No Flor SSG & SSO

Ls Wht-Tan MicroIn-FxIn Dns Micrite Grad Poor Pin-Pt "Salt & Pepper" IxIn Por Grad Poor OOL Por Poor InterOOL (w/Small Ooids in pl) Por Poor Dissolu (w/SSG & SFO In Both IxIn & InterOOL Por) Cht Amber-Tan Fos (Fuss) Pyr Mass Chalky Sh Gry Soft-Fissil Med-Good Odor Lt Brn-Blk "Dead" Stn No Flor SSG & SSO

Ls Wht-Tan MicroIn-FxIn Dns Micrite Grad Poor Pin-Pt "Salt & Pepper" IxIn Por Grad Poor OOL Por Poor InterOOL (w/Small Ooids in pl) Por Poor-Fair Dissolu (w/SG & SFO In Both IxIn & InterOOL Por) Gas & Oil Do Not Flor Cht Amber-Tan Fos (Fuss) Pyr Mass Chalk Sh Gry Soft-Fissil Med-Good Odor Lt Brn Stn No Flor SG & SSO

30" CFS @ 3588' Ls Wht-Tan AA FxIn Pin-Pt IxIn Por (w/SG & SO) Chalky Pyr Mass Sh Blk Carb Fissil Med-Good Odor No Flor Lt Brn-Drk Blk Stn SG & SO

60" CFS @ 3588' Sh Blk Carb Fissil Ls Wht-Tan AA FxIn Pin-Pt IxIn Por (w/SG & SO) Pyr Mass Chalky Med-Good Odor No Flor Lt Brn-Drk Blk Stn SG & SO

30" CFS @ 3600' Sh Blk Carb Fissil Ls Wht-Tan FxIn Pin-Pt IxIn Por (w/1 Pc w/SG & SO) Pyr Mass Chalky No Odor No Flor No Stn NS

60" CFS @ 3600' Sh Blk Carb Fissil Ls Wht-Tan FxIn Pin-Pt IxIn Por Barreb Pyr Mass Chalky No Odor No Flor No Stn NS

Ls Wht-Tan MicroIn-FxIn Dns Micrite Pyr Mass Chalk Sh Sh Blk Carb-Gry-Aqua Soft-Fissil No Odor No Flor No Stn NS

Sh Blk Carb-Gry-Aqua Fissil Ls Wht-Tan MicroIn Dns Micrite Poor IxIn Por Pyr Mass Chalk Sh Gry Soft-Fissil No Odor No Flor No Stn NS

Sh Blk Carb-Gry-Aqua Fissil Ls Wht-Tan MicroIn Dns Micrite Poor IxIn Por Pyr Mass Chalk Sh Gry Soft-Fissil No Odor No Flor No Stn NS

Sh Red-Maroon-Gry-Aqua Fissil Ls Wht-Tan MicroIn Dns Micrite Poor IxIn Por Pyr Mass Chalk Sh Gry Soft-Fissil No Odor No Flor No Stn NS

Sh Red-Maroon-Gry-Aqua Fissil Ls Wht-Tan MicroIn Dns Micrite Poor IxIn Por Pyr Mass Chalk No Odor No Flor No Stn NS

Ls Wht-Tan MicroIn Dns Micrite Poor IxIn Por Pyr Mass Chalk Sh Sh Red-Gry-Aqua Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Tan MicroIn Dns Micrite Poor IxIn Por Pyr Mass Chalk Sh Sh Red-Gry-Aqua Soft-Fissil No Odor No Flor No Stn NS

Ls Wht MicroIn-FxIn Dns Micrite Grad /Dolo Wht Poor Sucrosic IxIn Por Chalky Sh Aqua-Gm/Gry Fissil No Odor No Stn No Flor NS

30" CFS @ 3692' Sh Red- Aqua-Gm/Gry Fissil (Wash Red) Cht Varicolored Peach-Org-Tan-Wht Op (w/Ooids in pl) Shp Qtz Ss Tan-Lt Brn Sub Ang Well Sort Lg-Small (w/? Lt Brn Stn) Dolo Tan-Lt Brn FxIn (w/Small Ooids in pl) CaCO3 Cmt Matrix Pry Mass No Odor ? Sli Stn No Flor Sli Lt Brn Stn No Odor No Flor SSO

60" CFS @ 3692' Sh Red Aqua-Gm/Gry Fissil (Wash Red) Dolo Tan-Lt Brn Poor-Fair IxIn Sucrosic Por Qtz Ss Tan-Lt Brn Sub Ang Well Sort Lg-Small (w/? Lt Brn Stn) Cht AA Varicolored AA No Odor ? Lt Brn Stn No Flor NS

60" CFS @ 3702' Sh Red Aqua-Gm/Gry Fissil (Wash Red) Dolo Tan-Lt Brn Poor-Fair IxIn Sucrosic Por Qtz Ss Tan-Lt Brn Sub Ang Well Sort Lg-Small (w/? Lt Brn Stn) Cht AA Varicolored AA No Odor ? Lt Brn Stn No Flor NS

60" CFS @ 3712' Dolo Wht MicroIn-FxIn Dns Micrite Grad Poor Sucrosic Por Cht Peach-Tan (w/Ooids in pl) Op Shp (w/1 Pc ? SSO in Poor Vug Por w/Fair Leaching) Sh Aqua-Red-Gry Soft-Fissil (Wash Red (Dec) ? Lt Brn Stn ? Sli Flor ? Sli Faint Odor NS

60" CFS @ 3722' Dolo Wht-Lt Tan (w/Tr Pyr Includ) FxIn Dns Micrite Grad Poor-Fair Sucrosic Por (w/ Poor-Fair Drk Blk "Dead" Stn w/SSG-5 Pcs) Cht Wht-Tan-Peach-Org Translu-Op Shp Vit Chalky Sh Aqua-Red-Gry Soft-Fissil ? Lt Brn Stn Sli Flor (Lt Grn) SSG & "Dead" SSO Fair Odor

60" CFS @ 3732' Sh Aqua-(Abd)-Gry-Red (Wash Red) Soft-Fissil Dolo Wht-Lt Tan (w/Tr Pyr Includ) MicroIn-FxIn Dns Micrite (w/Glacu Includ) Grad Poor-Fair Sucrosic Por (w/Tr Fair Vug Leaching (3 Pcs) w/Poor Drk Blk "Dead" Stn w/SSG) Cht Wht-Tan-Org AA Translu-Op Shp Vit Fos (Pyr Gastro) ? Lt Brn Stn Med Flor (Lt Grn) SSG & "Dead" SSO No Odor

Sh Varicolored Red (Abd) (Wash Red)-Aqua-Gry Soft-Fissil Dolo Wht-Tan (w/Pyr Includ) Dns Micrite Cht Peach-Org (w/Ooid Includ) Translu-Op Shp Vit No Odor No Flor No Stn NS

~~DST #2~~
Interval: 3541' - 3588'.
Times: 5" - 60" - 60" - 60".
Blow: IF=Weak/1/4". No Blow Back During ISIP. FF= No Blow/Dead Instant. No Blow Back During FSIP.
Recovery: 1' M (100% M).
Pressures:
IH = 1764#;
FH = 1705#;
IF = 16-18#;
FF = 16-17#;
ISIP = 43#;
FSIP = 22#;
TEMP. = 110 degrees. F.

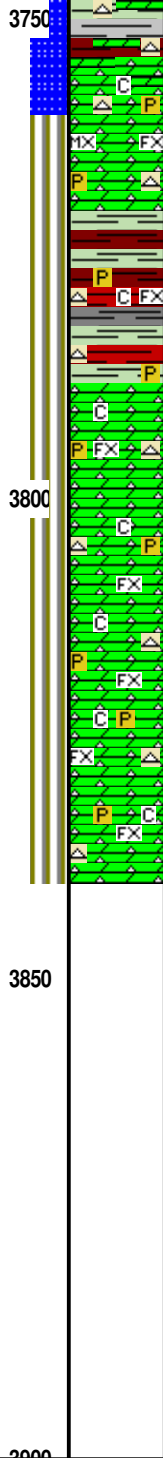
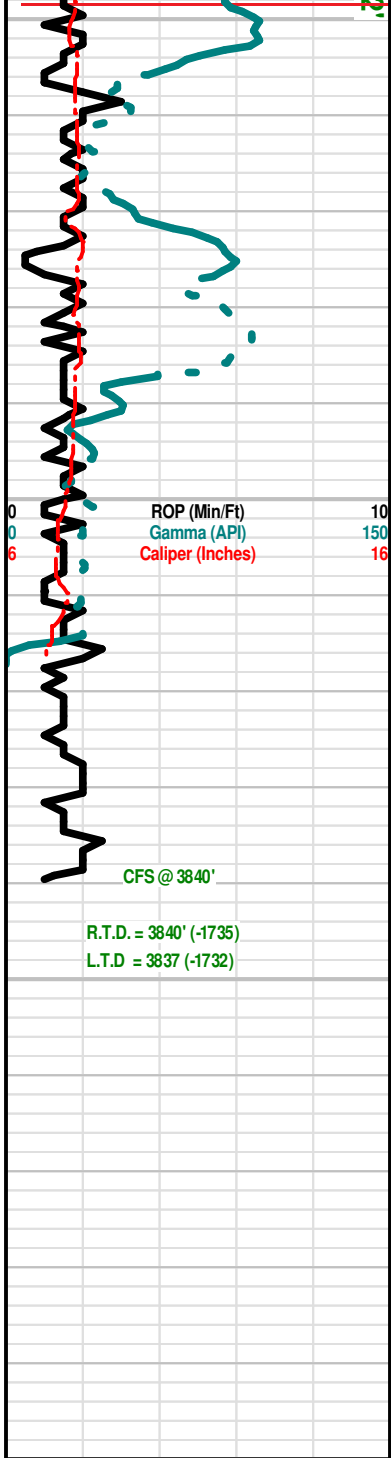
STARK SHALE
3590' (- 1485)

BASE KANSAS CITY
3608' (- 1503)

Mudco Mud Ck @ 3,722'
8:35 AM 6/27/2014
Vis = 60
WT = 9.0
PV = 14
YP = 31
Cake = 1
WL = 8.0;
Chl = 3,700
Cal = Tr
Sol = 4.8%
LCM = 3#
DMC = \$1,633.45
CMC = \$9,752.55

CONGLOMERATE
3668' (- 1563)

ARBUCKLE
3704' (- 1799)
~~DST #3~~
Interval: 3679' - 3722'.
Times: 5" - 60" - 90" - 120".
Blow: IF=Strong BOB/2". Weak Blow Back During ISIP Build/3.5". FF= Strong BOB Blow/2". No Blow Back During FSIP.
Recovery: 1878" TF: 110' MCGO (5% G, 75% O & 20% M); 1768" GO (25% G & 75% O). No Wir.
Pressures:
IH = 1840#;
FH = 1746#;
IF = 133-189#;
FF = 210-656#;
ISIP = 1116#;
FSIP = 797#
TEMP. = 114 degrees. F.;
API Grv. = 36 dearecs.



Sh Varicolored Red (Abd) (Wash Red)-Aqua-Gry Soft-Fissil Dolo Wht -Tan (w/Pyr Includ) Dns Micrite Cht Wht- Peach-Org (w/OOid Includ) Translu-Op Shp Vit Pyr Mass Chalky No Odor No Flor No Stn NS

Dolo Wht-Lt Tan Microxln-Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por Barren Cht AA Varicolored Pyr Mass Sh Red (Wash Red-Aqua AA (Dec) No Odor No Stn No flor NS

Dolo Wht-Lt Tan Microxln-Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por Barren Cht AA Varicolored Pyr Mass Sh Red (Wash Red-Aqua AA (Dec) No Odor No Stn No flor NS

Dolo Wht-Lt Tan Microxln-Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por Barren Cht AA Varicolored Pyr Mass Sh Red (Wash Red-Aqua AA (Dec) No Odor No Stn No flor NS

Dolo Wht-Lt Tan Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por (w/Lg Vug Por) Barren Cht AA Varicolored Pyr Mass Sh Red-Aqua AA (Dec-Tr Only) No Odor No Stn No flor NS

Dolo Wht-Lt Tan Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por (w/Lg Vug Por) Barren Cht Varicolored Red-Peac-Wht Pyr Mass Sh Red-Aqua AA (Dec-Tr Only) No Odor No Stn No flor NS

Dolo Wht-Lt Tan Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por (w/Lg Vug Por) Barren Cht Varicolored Red-Peac-Wht Pyr Mass Sh Red-Aqua AA (Dec-Tr Only) No Odor No Stn No flor NS

30" CFS @ 3840' Dolo Wht-Lt Tan Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por (w/Lg Vug Por) Barren Cht Varicolored Red-Peac-Wht Pyr Mass Sh Red-Aqua AA (Dec-Tr Only) No Odor No Stn No flor NS

60" CFS @ 3840' Dolo Wht-Lt Tan Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por (w/Lg Vug Por) Barren Cht Varicolored Red-Peac-Wht Pyr Mass Sh Red-Aqua AA (Dec-Tr Only) No Odor No Stn No flor NS

90" CFS @ 3840' Dolo Wht-Lt Tan Fxln Dns Micrite Grad Poor-Fair Ixln Sucrosic Por (w/Lg Vug Por) Barren Cht Varicolored Red-Peac-Wht Pyr Mass Sh Red-Aqua AA (Dec-Tr Only) No Odor No Stn No flor NS

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

Geologist Left Location at : M on 06//2014

~DST # 4~
Interval: 3722' - 3732'.
Times: 5" - 60" - 60" - 60".
Blow: IF=Weak/1/4". No Blow Back During ISIP. FF= No Blow. No Blow Back During FSIP.
Recovery: 1' M (100% M).(Plugging Observed).
Pressures:
IH = 1866#;
FH= = 1815#;
IF = 21-11 1#;;
FF = 62-248#;
ISIP = 1153#;
FSIP = 775#
TEMP. = 113 degrees. F.
Mudco Mud Ck @ 3,762"
8:00 AM 6/28/2014
Vis = 59
WT = 9.1
PV = 14
YP = 27
Cake = 1
WL = 8.0;
Chl = 3,900
Cal = Tr
Sol = 4.8%
LCM = 5#
DMC = \$922.45
CMC = \$10,675.00

~DST # 5~
Interval: 3667-3760'(Straddle).
Times: 5" - 60" - 90" - 120".
Blow: IF=BOB/2". Weak Blow Back During ISIP Build/1/4". FF= Strong Blow BOB/3". No Blow Back During FSIP.
Recovery: 350' GIP & 1518' TF: 110' GOCM (5% G, 35% O & 60% M); 1408' GO (30% G & 70% O). No Wtr.
Pressures:
IH = 1909#;
FH= = 1796#;
IF = 81-125#;
FF = 198-546#;
ISIP = 971#;
FSIP = 833#
TEMP. = 118 degrees. F.;
API Grv. = 36 degrees.



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E Central
Wichita KS 67206

ATTN: Dave Williams

Massier B #1-31

31-11s-19w Ellis,KS

Start Date: 2014.06.25 @ 06:42:11

End Date: 2014.06.25 @ 15:21:11

Job Ticket #: 58905 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.07.01 @ 11:53:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58905

DST#: 1

ATTN: Dave Williams

Test Start: 2014.06.25 @ 06:42:11

GENERAL INFORMATION:

Formation: **LKC E - G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:08:21

Time Test Ended: 15:21:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 49

Interval: 3457.00 ft (KB) To 3492.00 ft (KB) (TVD)

Reference Elevations: 2101.00 ft (KB)

Total Depth: 3492.00 ft (KB) (TVD)

2096.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8897

Inside

Press@RunDepth: 63.74 psig @ 3461.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.25

End Date:

2014.06.25

Last Calib.:

2014.06.25

Start Time: 06:42:12

End Time:

15:21:11

Time On Btm:

2014.06.25 @ 09:08:11

Time Off Btm:

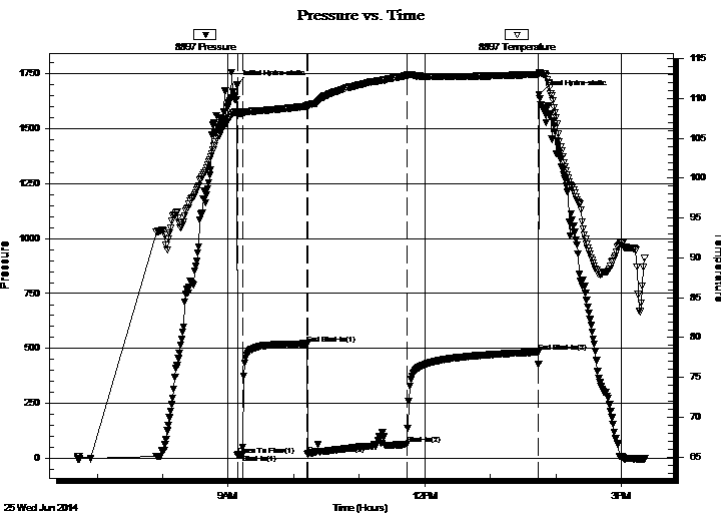
2014.06.25 @ 13:44:50

TEST COMMENT: Weak surface blow built to 1/2"

Dead no blow back

Weak surface blow built to 3 1/2"

Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.56	108.40	Initial Hydro-static
1	13.41	107.84	Open To Flow (1)
5	20.11	108.22	Shut-In(1)
64	522.05	109.05	End Shut-In(1)
65	18.77	108.90	Open To Flow (2)
156	63.74	112.92	Shut-In(2)
276	481.72	113.04	End Shut-In(2)
277	1654.72	113.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	MCW 20%M 80%W	0.60

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58905

DST#: 1

ATTN: Dave Williams

Test Start: 2014.06.25 @ 06:42:11

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: 47.59 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3457.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3435.00	
Hydraulic tool	5.00			3440.00	
Jars	5.00			3445.00	
Safety Joint	2.00			3447.00	
Packer	5.00			3452.00	27.00 Bottom Of Top Packer
Packer	5.00			3457.00	
Stubb	1.00			3458.00	
Perforations	3.00			3461.00	
Recorder	0.00	8897	Inside	3461.00	
Recorder	0.00	8898	Outside	3461.00	
Perforations	28.00			3489.00	
Bullnose	3.00			3492.00	35.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58905

DST#: 1

ATTN: Dave Williams

Test Start: 2014.06.25 @ 06:42:11

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	MCW 20%M 80%W	0.601

Total Length: 100.00 ft Total Volume: 0.601 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

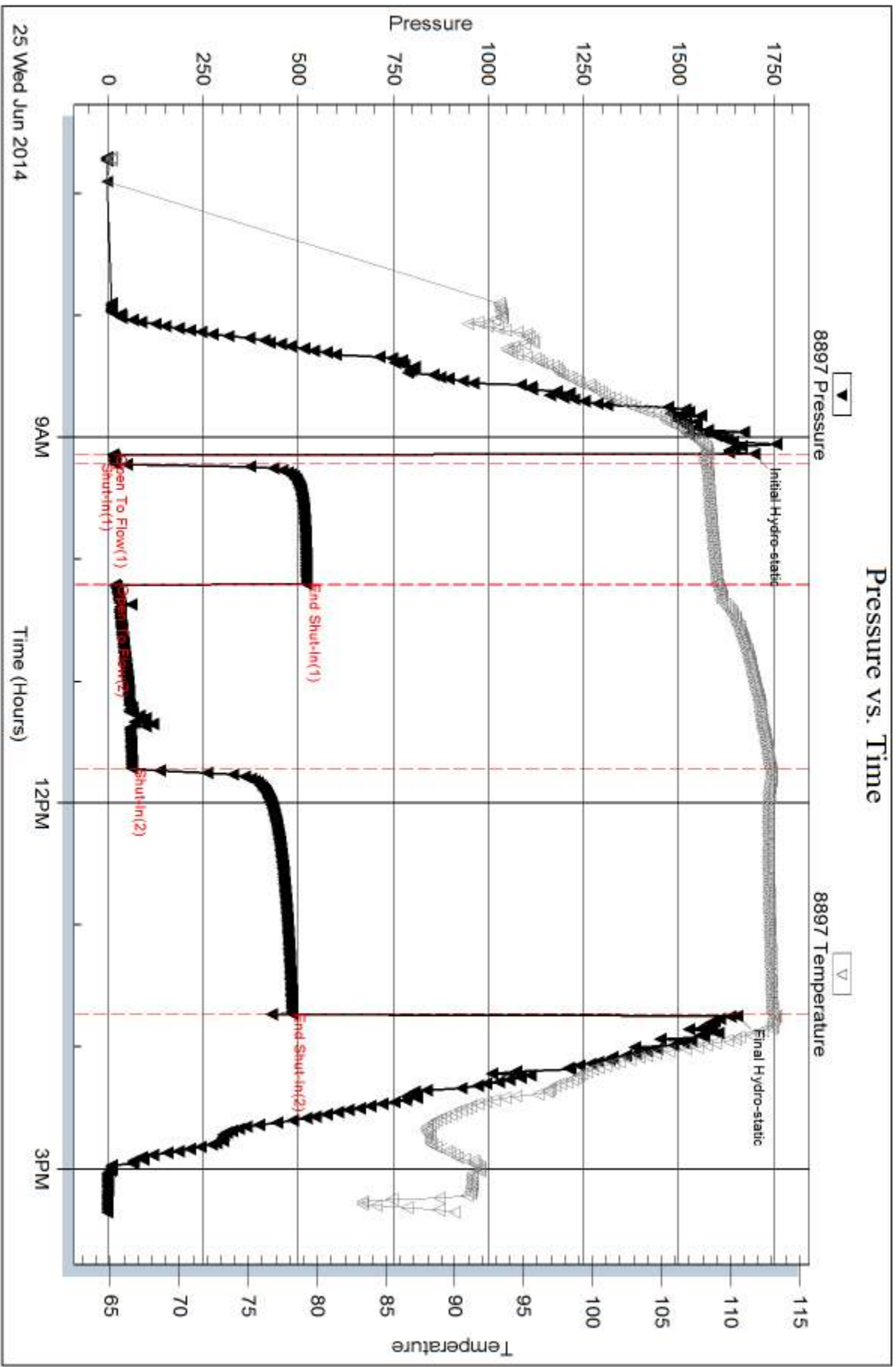
Serial #: 8897

Inside

McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E Central
Wichita KS 67206

ATTN: Dave Williams

Massier B #1-31

31-11s-19w Ellis,KS

Start Date: 2014.06.26 @ 02:03:07

End Date: 2014.06.26 @ 08:58:16

Job Ticket #: 58906 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.07.01 @ 11:52:36

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

Massier B #1-31

DST # 2

LKC I - J

2014.06.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58906

DST#: 2

ATTN: Dave Williams

Test Start: 2014.06.26 @ 02:03:07

GENERAL INFORMATION:

Formation: **LKC I - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:29:07

Time Test Ended: 08:58:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3541.00 ft (KB) To 3588.00 ft (KB) (TVD)

Reference Elevations: 2101.00 ft (KB)

Total Depth: 3492.00 ft (KB) (TVD)

2096.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 16.73 psig @ 3542.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.26

End Date:

2014.06.26

Last Calib.:

2014.06.26

Start Time: 02:03:08

End Time:

08:58:17

Time On Btm:

2014.06.26 @ 03:28:57

Time Off Btm:

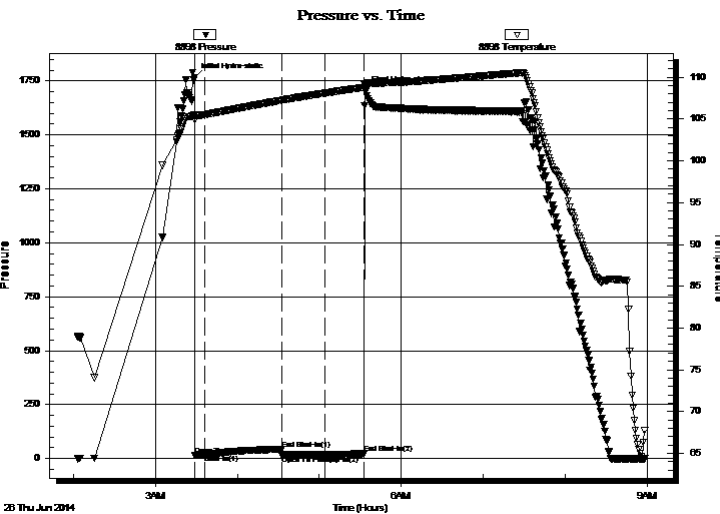
2014.06.26 @ 05:33:47

TEST COMMENT: Weak surface blow built to 1/4"

Dead no blow back

Dead no blow

Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.83	105.55	Initial Hydro-static
1	15.83	104.91	Open To Flow (1)
8	17.79	105.54	Shut-In(1)
64	43.24	107.25	End Shut-In(1)
64	15.81	107.25	Open To Flow (2)
96	16.73	108.10	Shut-In(2)
124	22.01	108.79	End Shut-In(2)
125	1704.75	109.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58906

DST#: 2

ATTN: Dave Williams

Test Start: 2014.06.26 @ 02:03:07

Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3541.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3519.00	
Hydraulic tool	5.00			3524.00	
Jars	5.00			3529.00	
Safety Joint	2.00			3531.00	
Packer	5.00			3536.00	27.00 Bottom Of Top Packer
Packer	5.00			3541.00	
Stubb	1.00			3542.00	
Recorder	0.00	8897	Inside	3542.00	
Recorder	0.00	8898	Outside	3542.00	
Perforations	10.00			3552.00	
Change Over Sub	1.00			3553.00	
drill Pipe	31.00			3584.00	
Change Over Sub	1.00			3585.00	
Bullnose	3.00			3588.00	47.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58906

DST#: 2

ATTN: Dave Williams

Test Start: 2014.06.26 @ 02:03:07

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

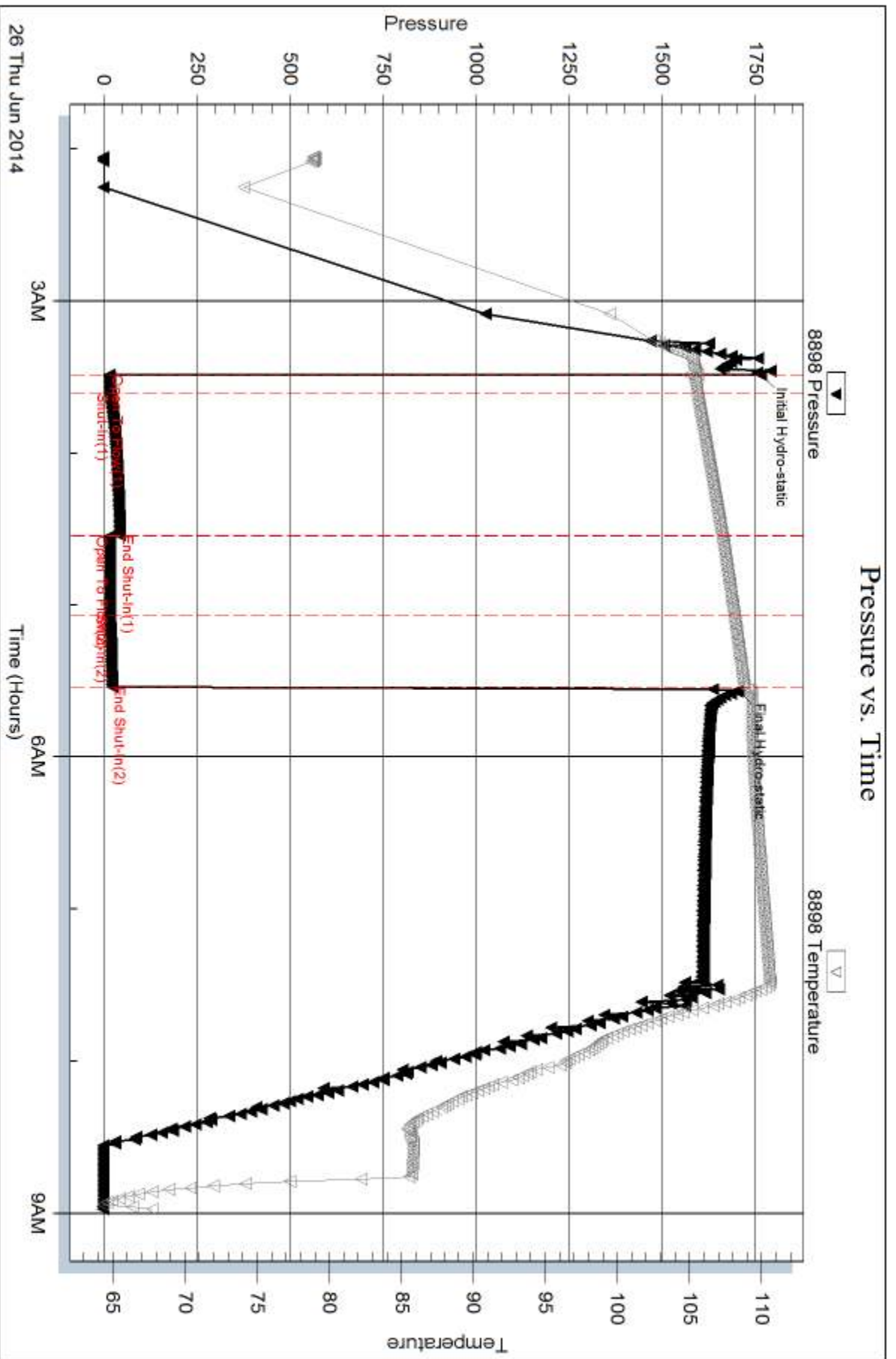
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



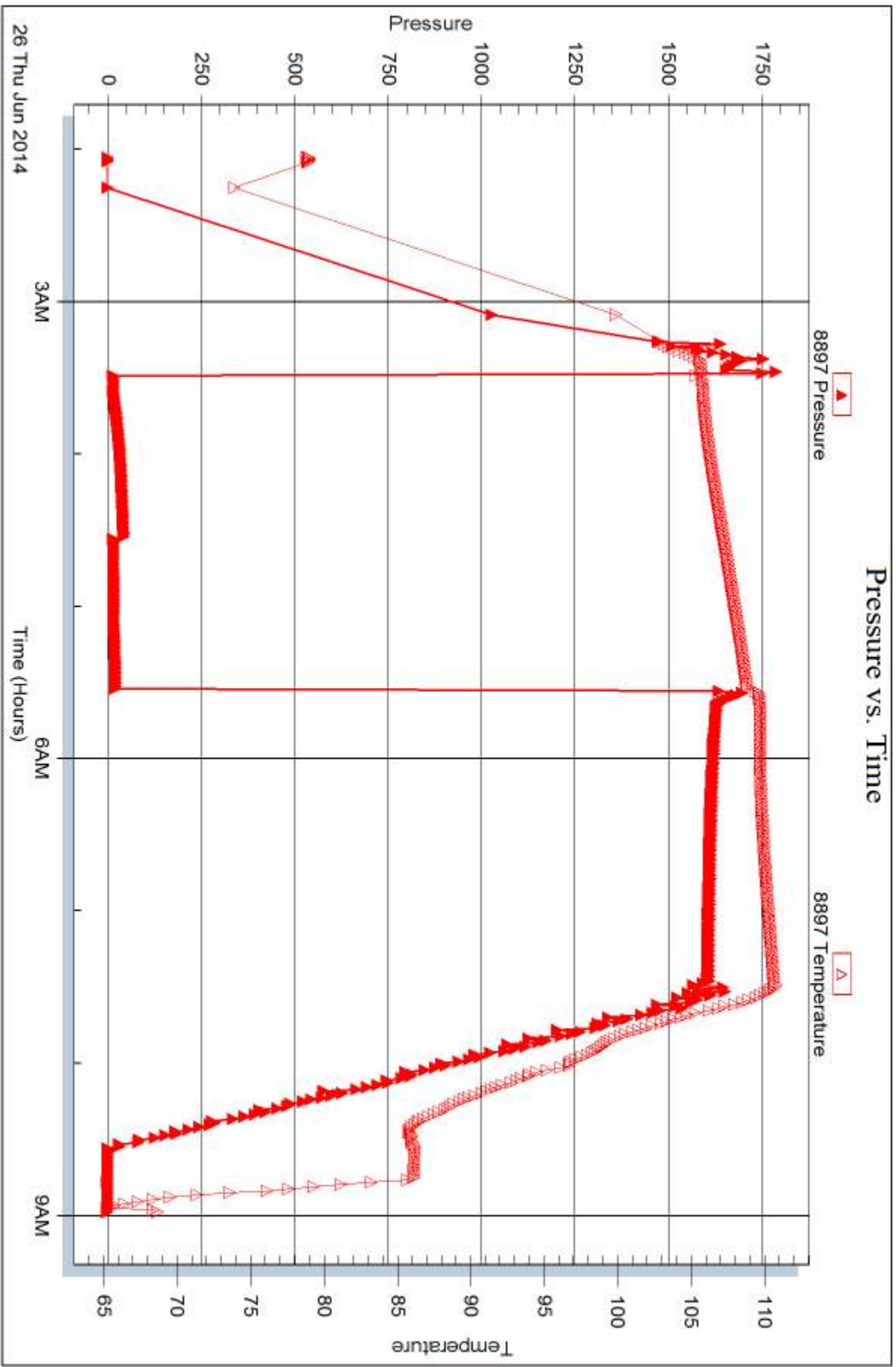
Serial #: 8897

Inside

McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E Central
Wichita KS 67206

ATTN: Dave Williams

Massier B #1-31

31-11s-19w Ellis,KS

Start Date: 2014.06.27 @ 01:17:04

End Date: 2014.06.27 @ 12:02:23

Job Ticket #: 58907 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.07.01 @ 11:37:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58907

DST#: 3

ATTN: Dave Williams

Test Start: 2014.06.27 @ 01:17:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:16:24

Time Test Ended: 12:02:23

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3679.00 ft (KB) To 3722.00 ft (KB) (TVD)

Reference Elevations: 2101.00 ft (KB)

Total Depth: 3722.00 ft (KB) (TVD)

2096.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 656.19 psig @ 3686.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.27

End Date:

2014.06.27

Last Calib.:

2014.06.27

Start Time:

01:17:05

End Time:

12:02:23

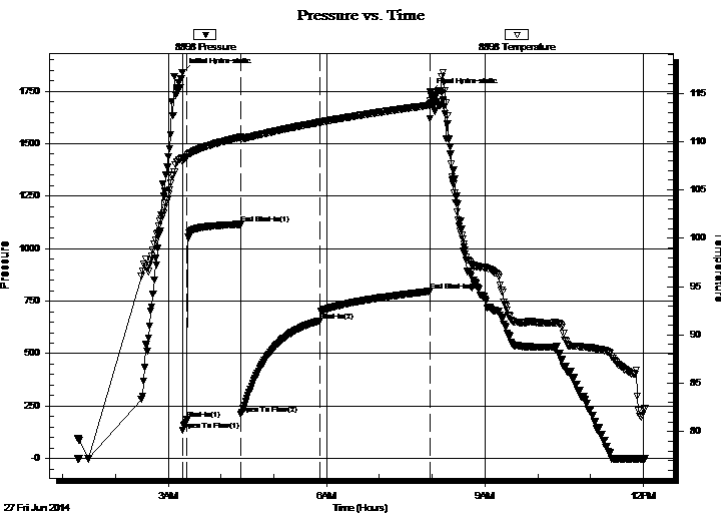
Time On Btm:

2014.06.27 @ 03:16:04

Time Off Btm:

2014.06.27 @ 07:58:04

TEST COMMENT: B.O.B. in 2 mins
Weak surface blow back built to 3 1/2"
B.O.B. in 2 mins
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.64	108.30	Initial Hydro-static
1	133.46	107.89	Open To Flow (1)
6	188.85	108.41	Shut-In(1)
66	1116.08	110.46	End Shut-In(1)
67	210.17	110.28	Open To Flow (2)
156	656.19	112.00	Shut-In(2)
282	797.00	113.77	End Shut-In(2)
282	1745.63	113.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MCGO 5%G 75%O 20%M	0.74
1768.00	GO 25%G 75%O	24.80

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58907

DST#: 3

ATTN: Dave Williams

Test Start: 2014.06.27 @ 01:17:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:16:24

Time Test Ended: 12:02:23

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3679.00 ft (KB) To 3722.00 ft (KB) (TVD)

Total Depth: 3722.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2101.00 ft (KB)

2096.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 3686.00 ft (KB)

Start Date: 2014.06.27

End Date:

2014.06.27

Start Time: 01:17:47

End Time:

12:03:05

Capacity: 8000.00 psig

Last Calib.:

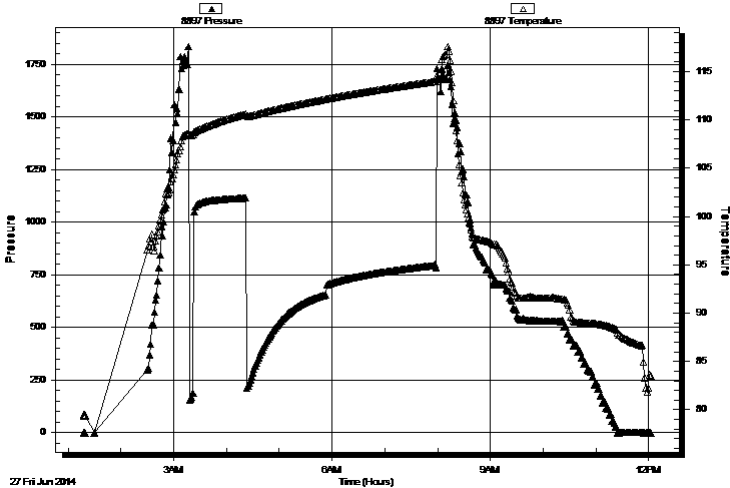
2014.06.27

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 2 mins
Weak surface blow back built to 3 1/2"
B.O.B. in 2 mins
Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MCGO 5%G 75%O 20%M	0.74
1768.00	GO 25%G 75%O	24.80

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58907

DST#: 3

ATTN: Dave Williams

Test Start: 2014.06.27 @ 01:17:04

Tool Information

Drill Pipe:	Length: 3585.00 ft	Diameter: 3.80 inches	Volume: 50.29 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3679.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3657.00	
Hydraulic tool	5.00			3662.00	
Jars	5.00			3667.00	
Safety Joint	2.00			3669.00	
Packer	5.00			3674.00	27.00 Bottom Of Top Packer
Packer	5.00			3679.00	
Stubb	1.00			3680.00	
Perforations	6.00			3686.00	
Recorder	0.00	8897	Inside	3686.00	
Recorder	0.00	8898	Outside	3686.00	
Change Over Sub	1.00			3687.00	
Drill Pipe	31.00			3718.00	
Change Over Sub	1.00			3719.00	
Bullnose	3.00			3722.00	43.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58907

DST#: 3

ATTN: Dave Williams

Test Start: 2014.06.27 @ 01:17:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	MCGO 5%G 75%O 20%M	0.741
1768.00	GO 25%G 75%O	24.800

Total Length: 1878.00 ft Total Volume: 25.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

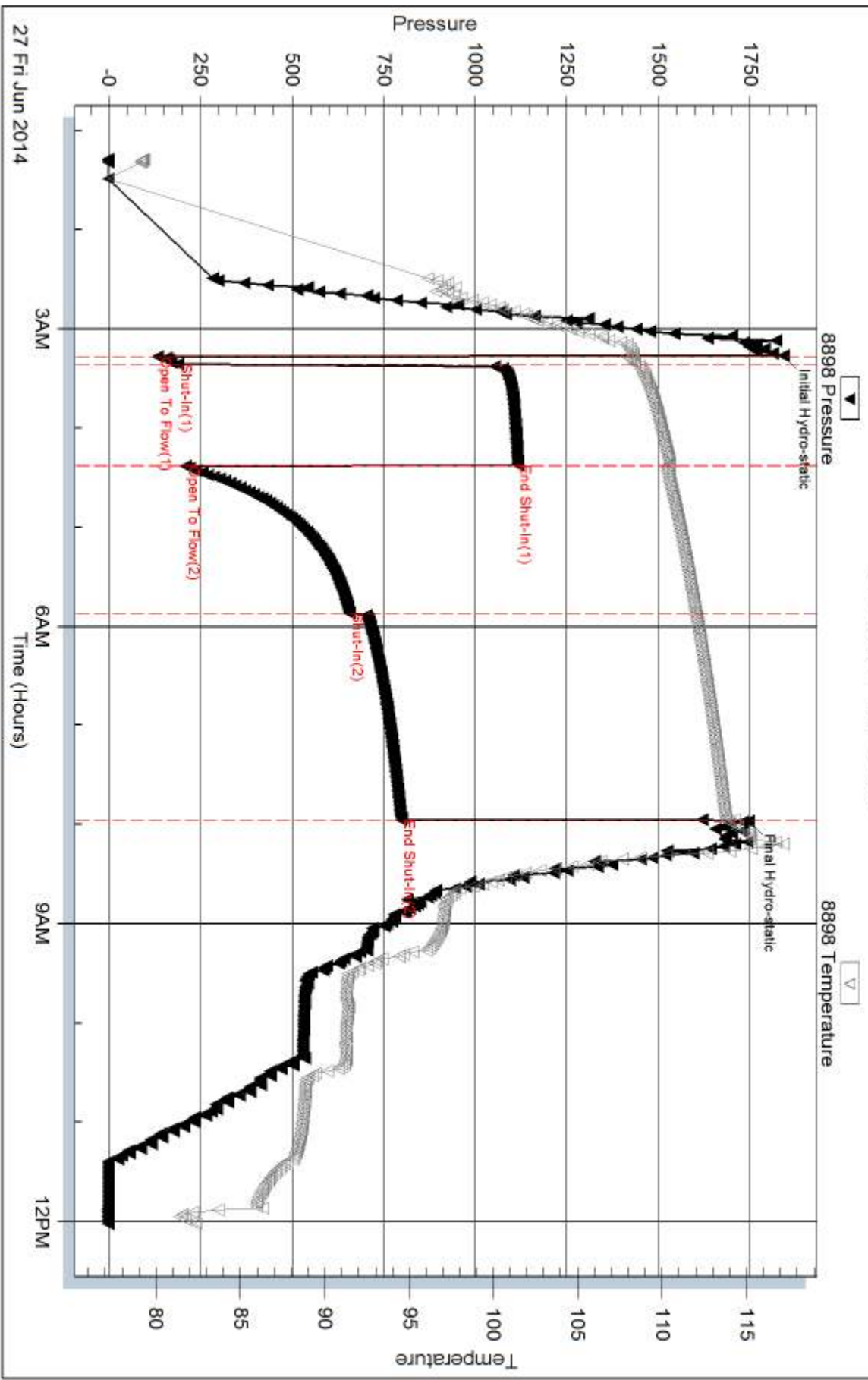
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



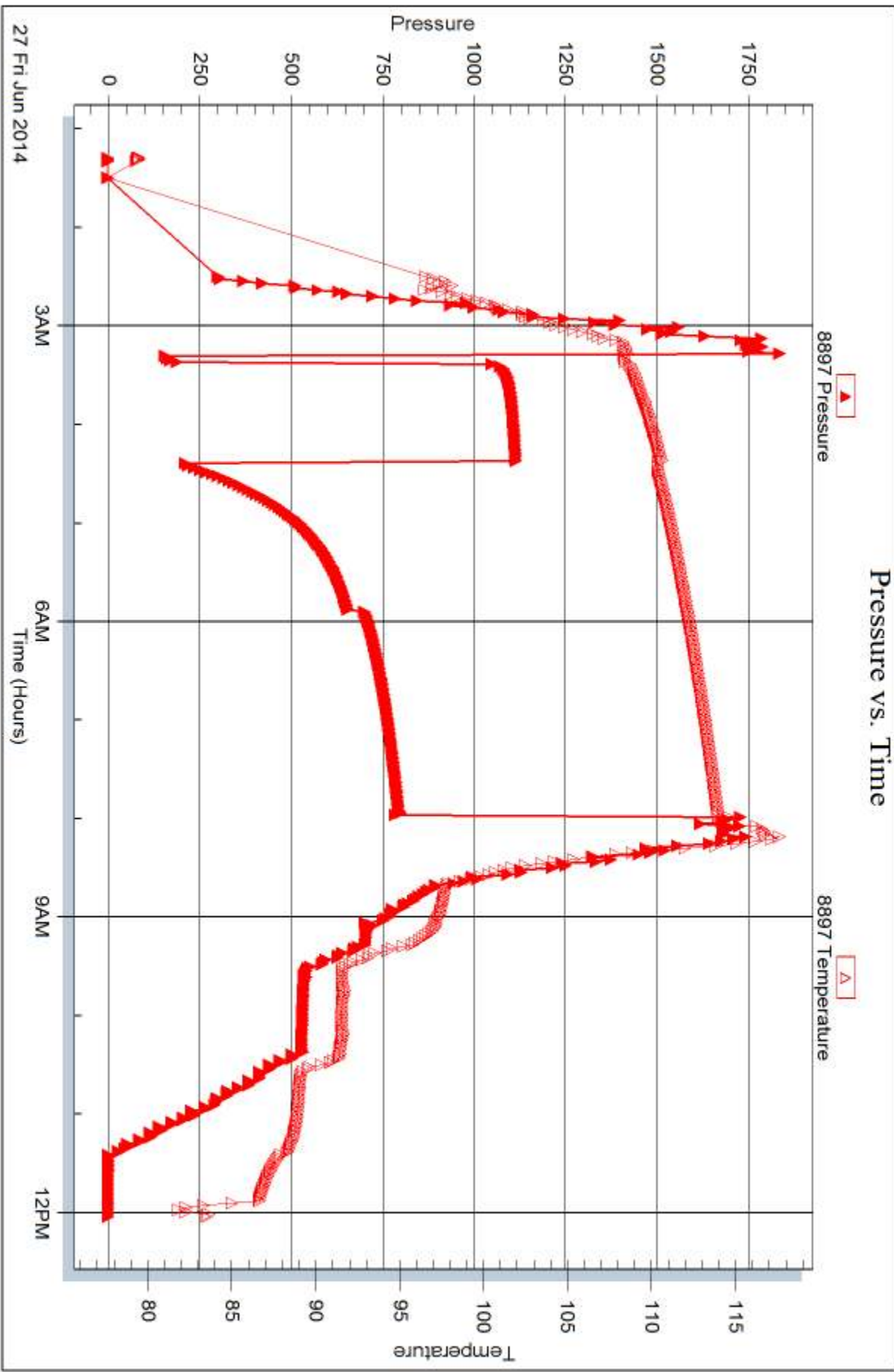
Serial #: 8897

Inside

McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 58907

Printed: 2014.07.01 @ 11:37:36



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E Central
Wichita KS 67206

ATTN: Dave Williams

Massier B #1-31

31-11s-19w Ellis,KS

Start Date: 2014.06.27 @ 18:35:00

End Date: 2014.06.28 @ 03:08:45

Job Ticket #: 59408 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.07.01 @ 11:18:29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 59408

DST#: 4

ATTN: Dave Williams

Test Start: 2014.06.27 @ 18:35:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:36:45

Time Test Ended: 03:08:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3722.00 ft (KB) To 3732.00 ft (KB) (TVD)

Reference Elevations: 2101.00 ft (KB)

Total Depth: 3732.00 ft (KB) (TVD)

2096.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8957

Inside

Press@RunDepth: 247.83 psig @ 3729.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.27

End Date:

2014.06.28

Last Calib.:

2014.06.28

Start Time: 18:35:05

End Time:

03:08:45

Time On Btm:

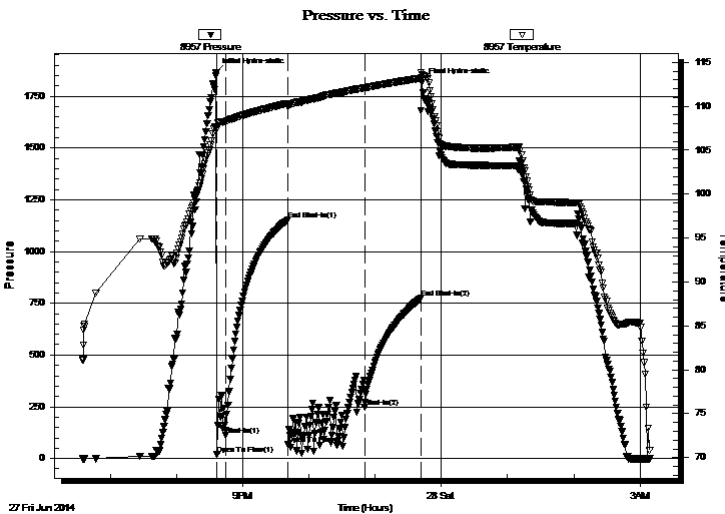
2014.06.27 @ 20:36:00

Time Off Btm:

2014.06.27 @ 23:42:45

TEST COMMENT: IF-1/4" blow
IS-No blow
FF-No blow
FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.53	107.54	Initial Hydro-static
1	20.84	107.34	Open To Flow (1)
9	111.29	108.27	Shut-In(1)
65	1152.59	110.32	End Shut-In(1)
66	67.42	109.98	Open To Flow (2)
135	247.83	112.02	Shut-In(2)
186	774.95	113.20	End Shut-In(2)
187	1814.79	113.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 59408

DST#: 4

ATTN: Dave Williams

Test Start: 2014.06.27 @ 18:35:00

Tool Information

Drill Pipe:	Length: 3616.00 ft	Diameter: 3.80 inches	Volume: 50.72 bbl	Tool Weight: 2200.00 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: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 51.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3722.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3700.00	
Hydraulic tool	5.00			3705.00	
Jars	5.00			3710.00	
Safety Joint	2.00			3712.00	
Packer	5.00			3717.00	27.00 Bottom Of Top Packer
Packer	5.00			3722.00	
Stubb	1.00			3723.00	
Perforations	6.00			3729.00	
Recorder	0.00	8957	Inside	3729.00	
Recorder	0.00	8934	Outside	3729.00	
Bullnose	3.00			3732.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 59408

DST#: 4

ATTN: Dave Williams

Test Start: 2014.06.27 @ 18:35:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8957

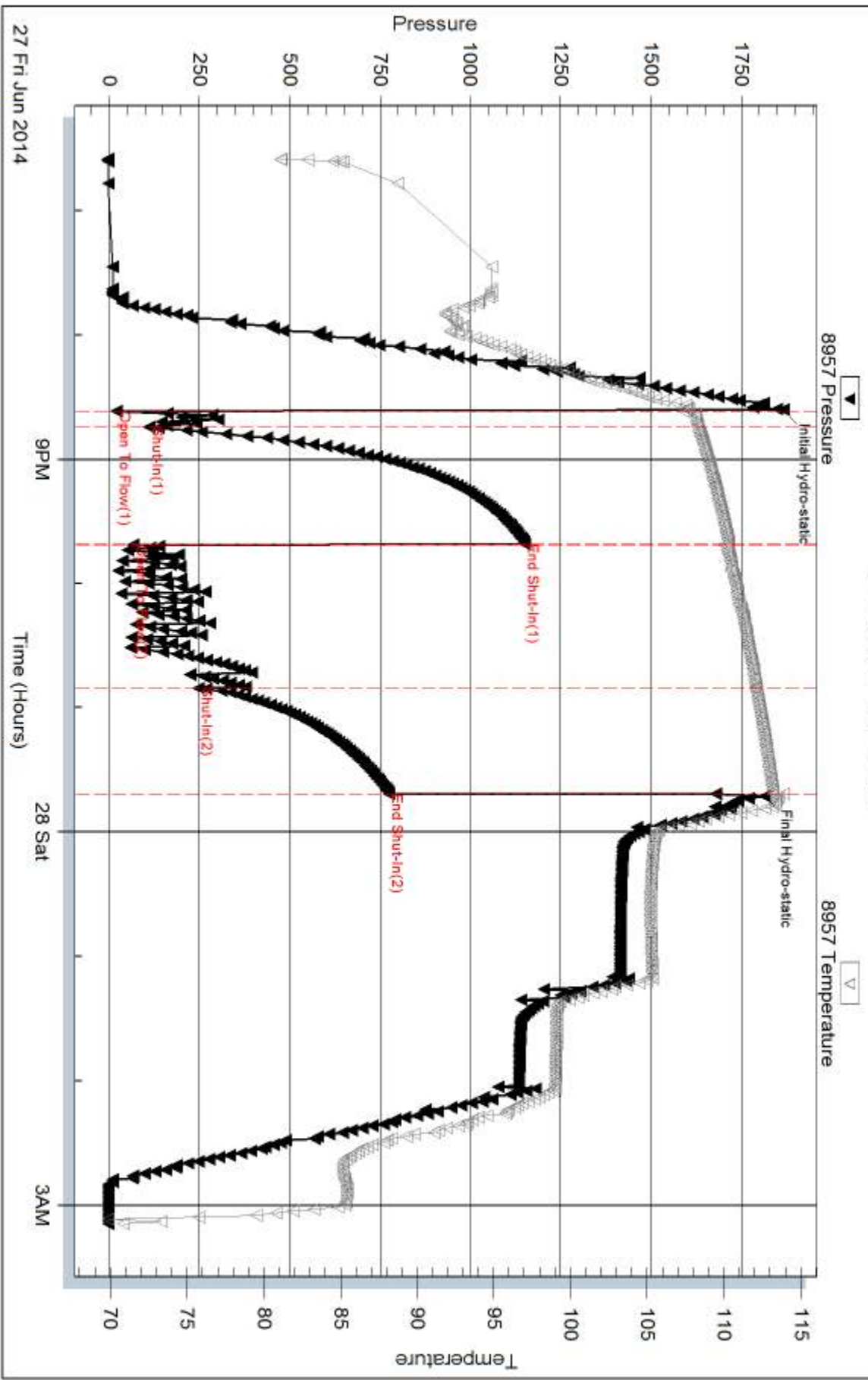
Inside

McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 4

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 59408

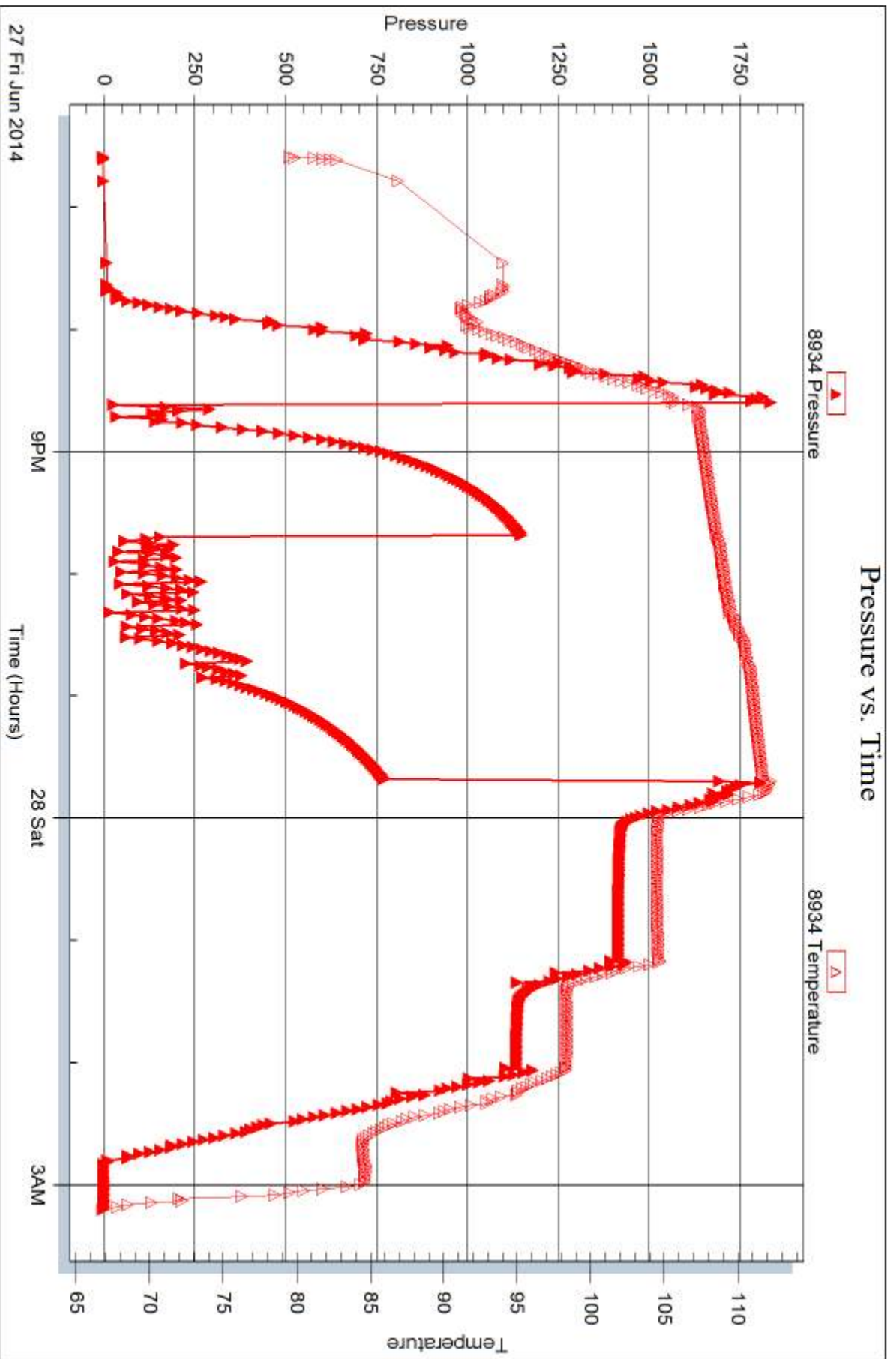
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Serial #: 8934

Outside McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 59408

Printed: 2014.07.01 @ 11:18:31



DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum Corporation**

9342 E Central
Wichita KS 67206

ATTN: Dave Williams

Massier B #1-31

31-11s-19w Ellis,KS

Start Date: 2014.06.28 @ 18:10:48

End Date: 2014.06.29 @ 04:23:28

Job Ticket #: 58908 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.01 @ 11:15:29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58908

DST#: 5

ATTN: Dave Williams

Test Start: 2014.06.28 @ 18:10:48

GENERAL INFORMATION:

Formation: **Conglomerate - Arbuc**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:16:28

Time Test Ended: 04:23:28

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3667.00 ft (KB) To 3760.00 ft (KB) (TVD)

Reference Elevations: 2101.00 ft (KB)

Total Depth: 3840.00 ft (KB) (TVD)

2096.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 545.80 psig @ 3668.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.28

End Date:

2014.06.29

Last Calib.:

2014.06.29

Start Time: 18:10:49

End Time:

04:23:28

Time On Btm:

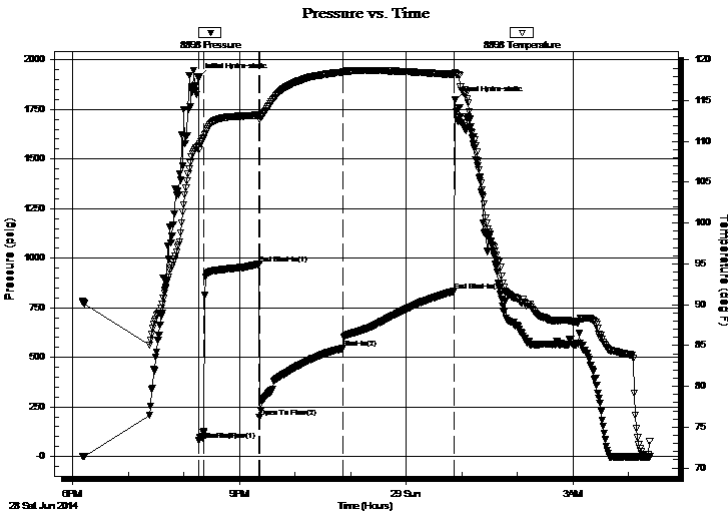
2014.06.28 @ 20:16:08

Time Off Btm:

2014.06.29 @ 00:52:57

TEST COMMENT: B.O.B. In 2 mins
Weak surface blow back built to 1/2"
B.O.B. in 3 mins
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1908.98	109.46	Initial Hydro-static
1	81.33	108.96	Open To Flow (1)
6	125.09	110.45	Shut-In(1)
66	971.15	113.24	End Shut-In(1)
66	197.98	112.70	Open To Flow (2)
156	545.80	118.50	Shut-In(2)
276	833.48	118.19	End Shut-In(2)
277	1796.47	118.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	GOCM 5%G 35%O 60%M	0.74
1408.00	GO 30%G 70%O	19.75

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58908

DST#: 5

ATTN: Dave Williams

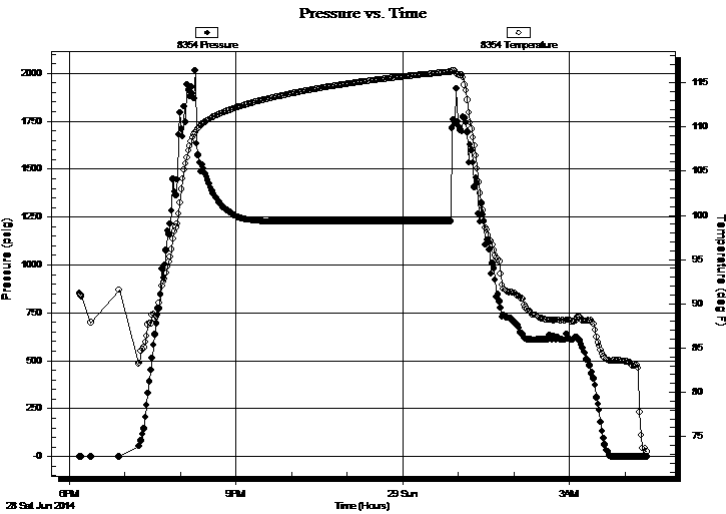
Test Start: 2014.06.28 @ 18:10:48

GENERAL INFORMATION:

Formation: **Conglomerate - Arbuc**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 20:16:28 Tester: Tate Lang
 Time Test Ended: 04:23:28 Unit No: 49
 Interval: **3667.00 ft (KB) To 3760.00 ft (KB) (TVD)** Reference Elevations: 2101.00 ft (KB)
 Total Depth: 3840.00 ft (KB) (TVD) 2096.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8354 Below (Straddle)
 Press@RunDepth: psig @ 3776.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.28 End Date: 2014.06.29 Last Calib.: 2014.06.29
 Start Time: 18:10:56 End Time: 04:23:25 Time On Btm:
 Time Off Btm:

TEST COMMENT: B.O.B. In 2 mins
 Weak surface blow back built to 1/2"
 B.O.B. in 3 mins
 Dead no blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
110.00	GOCM 5%G 35%O 60%M	0.74
1408.00	GO 30%G 70%O	19.75

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58908

DST#: 5

ATTN: Dave Williams

Test Start: 2014.06.28 @ 18:10:48

Tool Information

Drill Pipe:	Length: 3581.00 ft	Diameter: 3.80 inches	Volume: 50.23 bbl	Tool Weight:	2200.00 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: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 50.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3667.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	3760.00 ft				
Interval between Packers:	93.00 ft				
Tool Length:	205.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

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

Shut In Tool	5.00			3645.00		
Hydraulic tool	5.00			3650.00		
Jars	5.00			3655.00		
Safety Joint	2.00			3657.00		
Packer	5.00			3662.00	27.00	Bottom Of Top Packer
Packer	5.00			3667.00		
Stubb	1.00			3668.00		
Recorder	0.00	8897	Inside	3668.00		
Recorder	0.00	8898	Outside	3668.00		
Perforations	1.00			3669.00		
Change Over Sub	1.00			3670.00		
drill Pipe	64.00			3734.00		
Change Over Sub	1.00			3735.00		
perforations	20.00			3755.00		
Blank Off Sub	1.00			3756.00		
Blank Spacing	4.00			3760.00	93.00	Tool Interval
Packer	5.00			3765.00		
Stubb	1.00			3766.00		
Perforations	10.00			3776.00		
Recorder	0.00	8354	Below	3776.00		
Change Over Sub	1.00			3777.00		
Drill Pipe	64.00			3841.00		
Change Over Sub	1.00			3842.00		
Bullnose	3.00			3845.00	85.00	Bottom Packers & Anchor
Total Tool Length:	205.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petroleum Corporation

31-11s-19w Ellis,KS

9342 E Central
Wichita KS 67206

Massier B #1-31

Job Ticket: 58908

DST#: 5

ATTN: Dave Williams

Test Start: 2014.06.28 @ 18:10:48

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 3800.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 36 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	GOCM 5%G 35%O 60%M	0.741
1408.00	GO 30%G 70%O	19.751

Total Length: 1518.00 ft Total Volume: 20.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

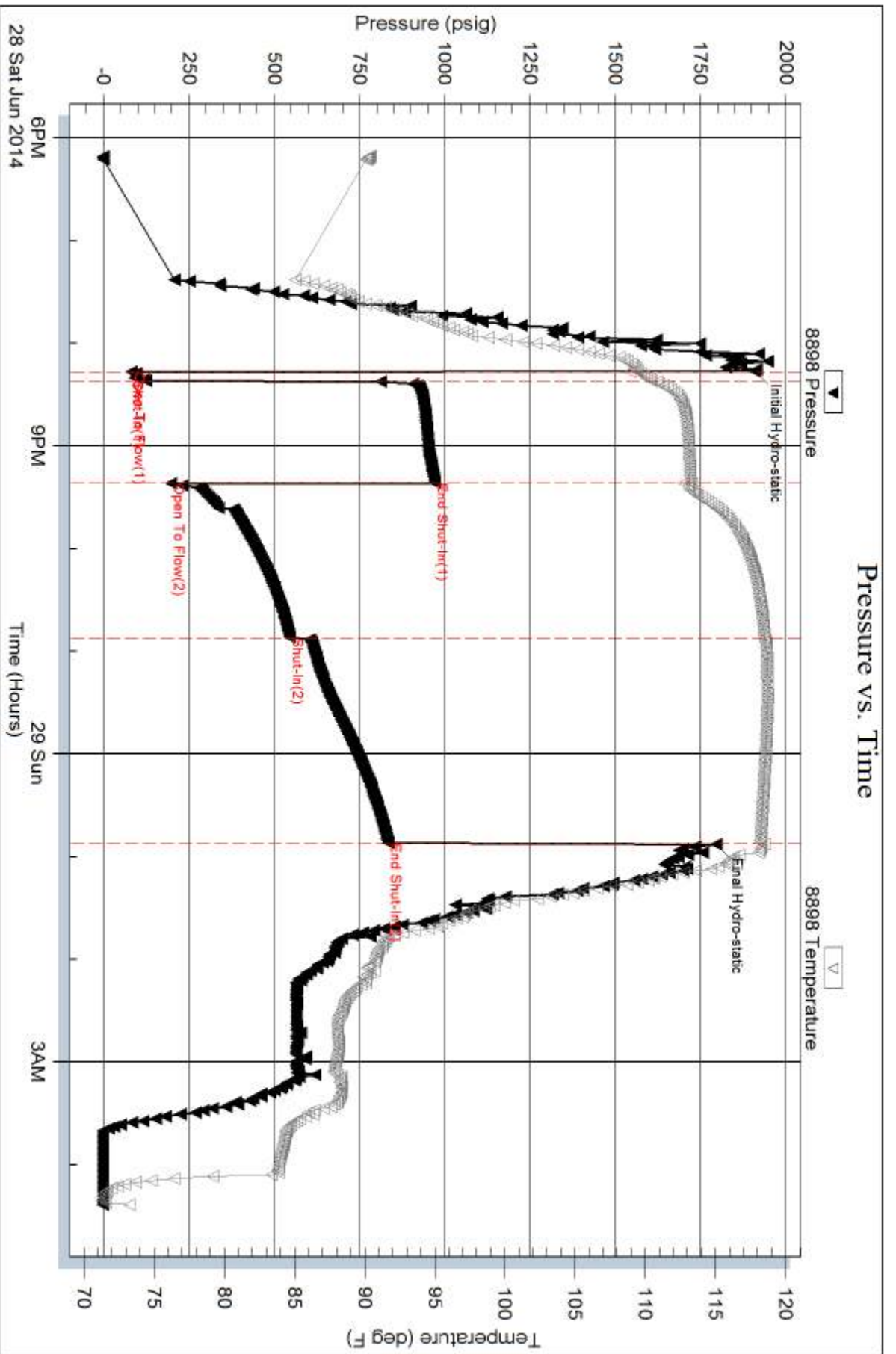
Recovery Comments:

Serial #: 8898

Outside McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 5



Serial #: 8897

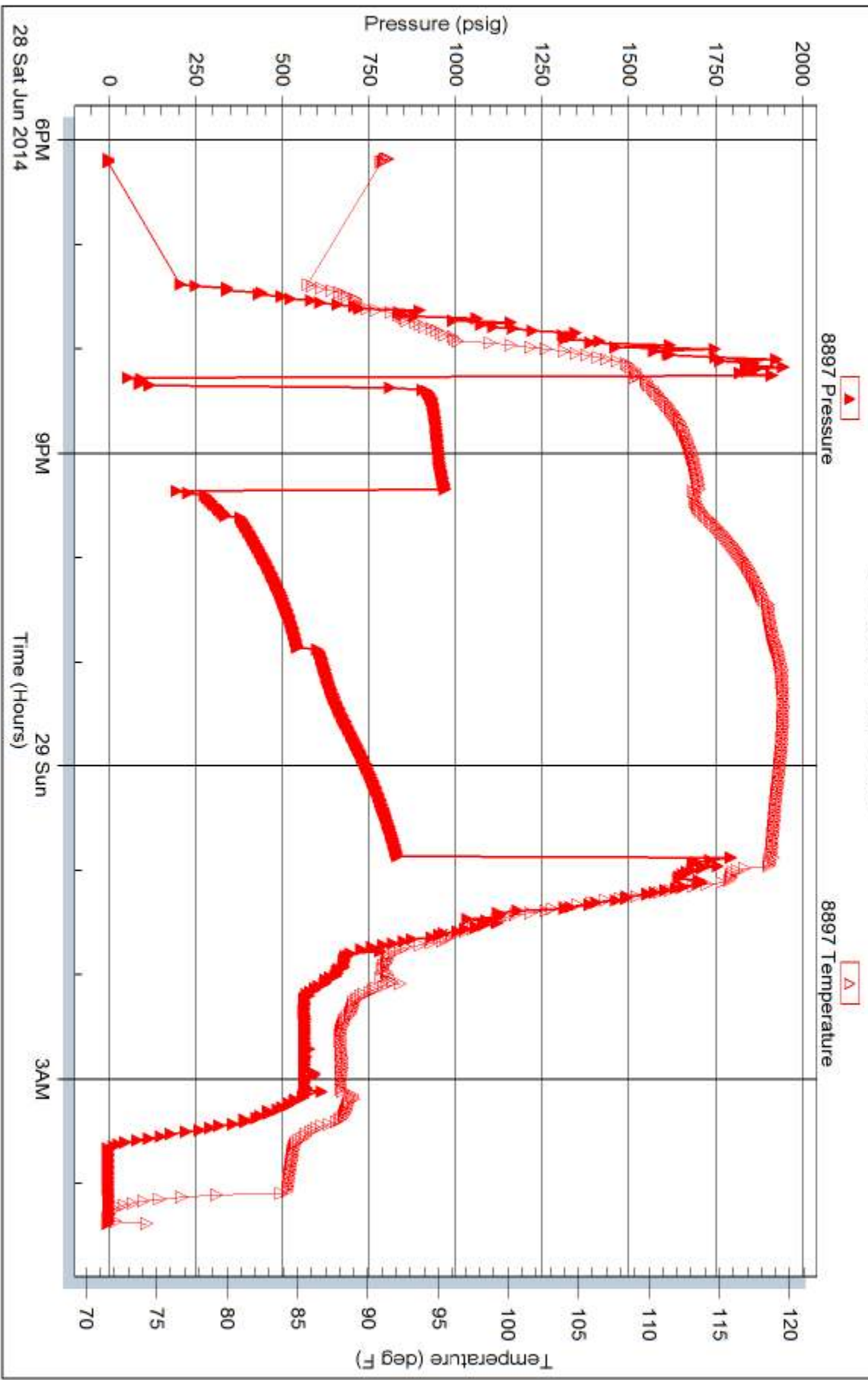
Inside

McCoy Petroleum Corporation

Massier B #1-31

DST Test Number: 5

Pressure vs. Time

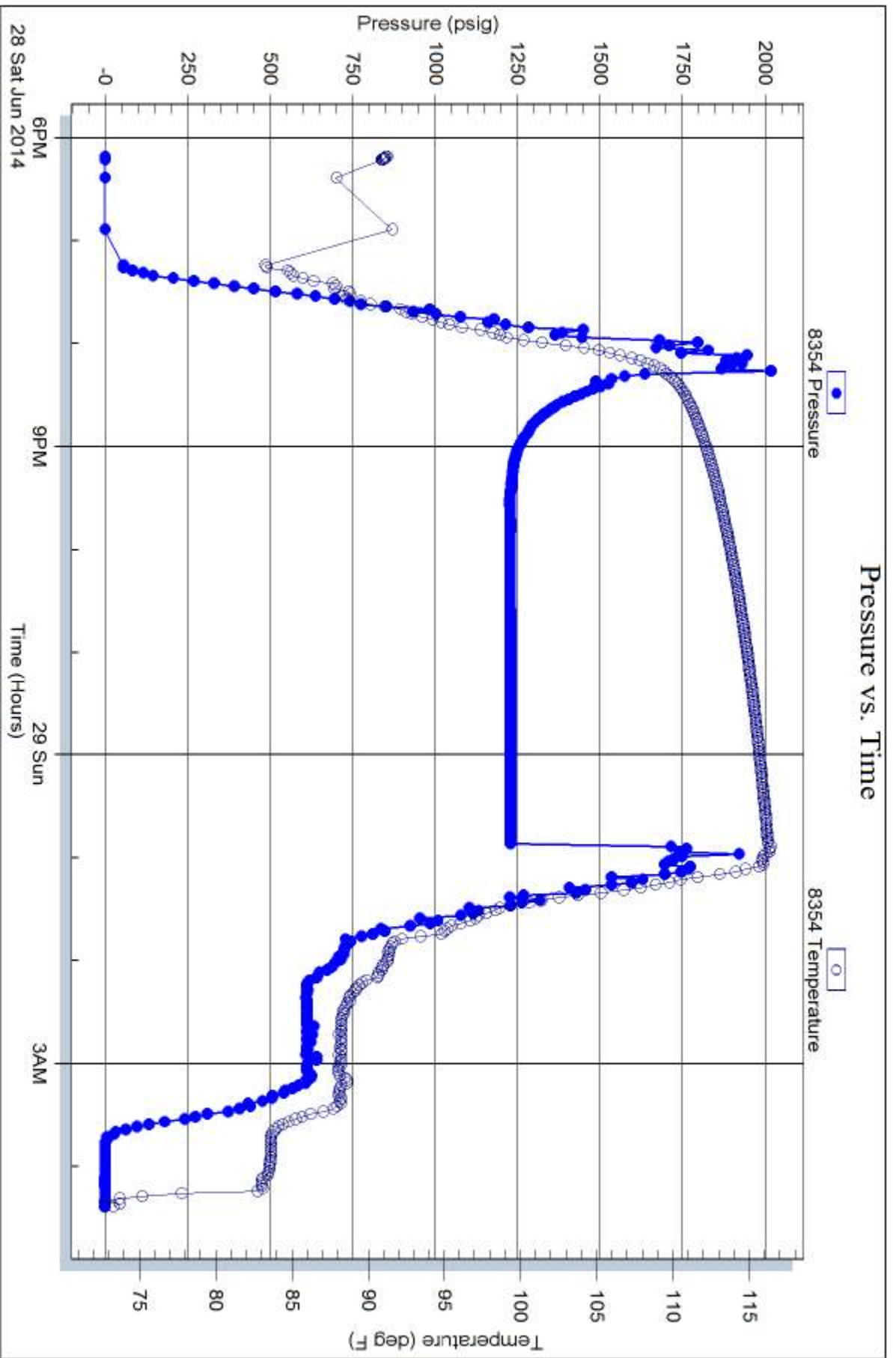


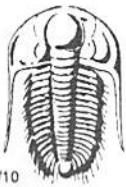
Serial #: 8354

Below (Str ~~Adley~~) Petroleum Corporation

Massier B #1-31

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58905

4/10

Well Name & No. Mossie "B" #1-31 Test No. 1 Date 6-25-14
 Company M. Co. Petroleum Corporation Elevation 2101 KB 2099 GL
 Address 9342 E Central ~~Wichita~~ KS 67206
 Co. Rep / Geo. Evyn Stone Rig Murfin #24
 Location: Sec. 31 Twp. 11E Rge. 19W Co. Ellis State Ks

Interval Tested 3457 3492 Zone Tested LHC E, F, G
 Anchor Length 35 Drill Pipe Run _____ Mud Wt. 8.8
 Top Packer Depth _____ Drill Collars Run 88 Vis 5.7
 Bottom Packer Depth _____ Wt. Pipe Run 0 WL 8.8
 Total Depth 3492 Chlorides 2800 ppm System LCM 1.4

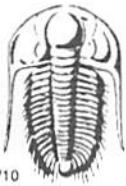
Blow Description Weak surface blow built to 1/2 in
Dead no blow back
Weak surface blow built to 3 1/2 in
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>100</u>	Feet of <u>MCW</u>	%gas	%oil	<u>80</u> %water	<u>20</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 113 Gravity _____ API RW 213 @ 80 ° F Chlorides 27000 ppm
 (A) Initial Hydrostatic 1699 Test 1150 T-On Location 0600
 (B) First Initial Flow B Jars 250 T-Started 0642
 (C) First Final Flow 20 Safety Joint 75 T-Open 0909
 (D) Initial Shut-In 522 Circ Sub _____ T-Pulled 1349
 (E) Second Initial Flow 19 Hourly Standby _____ T-Out 1521
 (F) Second Final Flow 64 Mileage 40 R/K 62 Comments _____
 (G) Final Shut-In 482 Sampler _____
 (H) Final Hydrostatic 1655 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 5
 Initial Shut-In 60
 Final Flow 90
 Final Shut-In 120
 Sub Total 1537
 Total 1537
 MP/DST Disc't _____

Approved By _____ 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58906

4/10

Well Name & No. Massier "B" # 1-31 Test No. 1 Date 6-18-76
 Company McCoy Petroleum Corporation Elevation 2101 KB 2096 GL
 Address _____
 Co. Rep / Geo. Dave Williams Rig Murfin #24
 Location: Sec. 31 Twp. 11S Rge. 19W Co. Ellis State KS

Interval Tested 3541 3588 Zone Tested LRC I & J
 Anchor Length 47 Drill Pipe Run 343 0 Mud Wt. 92
 Top Packer Depth 3536 Drill Collars Run 88 Vis 58
 Bottom Packer Depth 3541 Wt. Pipe Run 0 WL 8.8
 Total Depth 3588 Chlorides 3200 ppm System LCM 37

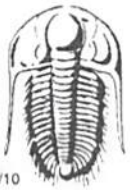
Blow Description Weak surface blow built to 1/4 in
Dead no flow back
Dead no flow
Dead no flow ~~back~~ back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>1</u>	Feet of <u>Mud</u>	%gas	%oil	%water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1 BHT 110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>176.4</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0145</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0203</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0329</u>
(D) Initial Shut-In <u>43</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0534</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>08'58</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>62</u>	Comments <u>Shut down</u>
(G) Final Shut-In <u>22</u>	<input type="checkbox"/> Sampler _____	<u>for 2 hrs for</u>
(H) Final Hydrostatic <u>1705</u>	<input type="checkbox"/> Straddle _____	<u>Rain & lightning</u>
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby _____	Total <u>1537</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1537</u>	

Approved By _____ 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58907

Well Name & No. Massier "B" #1-31 Test No. 3 Date 6-27-14
 Company McCoy Petroleum Corporation Elevation 2101 KB 2096 GL
 Address _____
 Co. Rep / Geo. Dave Williams Rig MuFin #24
 Location: Sec. 31 Twp. 11S Rge. 19W Co. Ellis State KS

Interval Tested 3679 3722 Zone Tested Arbuckle
 Anchor Length _____ Drill Pipe Run 3585 Mud Wt. 9.0
 Top Packer Depth _____ Drill Collars Run 88 Vis 47
 Bottom Packer Depth 3679 Wt. Pipe Run 0 WL 8.4
 Total Depth 3722 Chlorides 4000 ppm System LCM 3H

Blow Description B.O.B. IN 2mins
Weak surface blow back built to 3 1/2 in
B.O.B. IN 2mins
Dec'd no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>110</u>	Feet of <u>MCGO</u>	<u>5</u>	<u>75</u>	<u>20</u>	
Rec <u>1769</u>	Feet of <u>GO</u>	<u>25</u>	<u>75</u>		
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 1878 BHT 114 Gravity 36 API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1840 Test 1150 T-On Location 0050
 (B) First Initial Flow 133 Jars 250 T-Started 0117
 (C) First Final Flow 189 Safety Joint 75 T-Open 0318
 (D) Initial Shut-In 116 Circ Sub _____ T-Pulled 0753
 (E) Second Initial Flow 210 Hourly Standby 2 1/4 hrs 1.75h T-Out 1202
 (F) Second Final Flow 656 Mileage 62 Comments _____
 (G) Final Shut-In 797 Sampler _____
 (H) Final Hydrostatic 1746 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 5 Extra Packer _____ Extra Copies _____
 Initial Shut-In 60 Extra Recorder _____ Sub Total 0
 Final Flow 90 Day Standby _____ Total 1712
 Final Shut-In 120 Accessibility _____ MP/DST Disc't _____
 Sub Total 1712

Approved By _____ 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59408

Well Name & No. Massier B #1-31 Test No. 4 Date 6-27-14
 Company McCoy Petroleum Corp. Elevation 2101 KB 2096 GL
 Address 9342 E Central Wichita KS 67206
 Co. Rep / Geo. Dave Williams Rig Murfin #24
 Location: Sec. 31 Twp. 11 Rge. 19 Co. Ellis State KS

Interval Tested 3722 - 3732 Zone Tested Arb.
 Anchor Length 10 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 3717 Drill Collars Run 88 Vis _____
 Bottom Packer Depth 3722 Wt. Pipe Run _____ WL _____
 Total Depth 3732 Chlorides _____ ppm System LCM _____

Blow Description IF - 1/4 in blow
ISI - No blow
FF - No blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>				
____	____				
____	____				
____	____				
____	____				

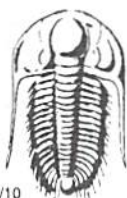
Rec Total 5 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1,866</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>18:10</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:35</u>
(C) First Final Flow <u>111</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:35</u>
(D) Initial Shut-In <u>1,153</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>23:40</u>
(E) Second Initial Flow <u>67</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>3:10</u>
(F) Second Final Flow <u>248</u>	<input checked="" type="checkbox"/> Mileage <u>62</u>	Comments _____
(G) Final Shut-In <u>275</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1,815</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby _____	Total <u>1537</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1537</u>	

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

Approved By _____ Our Representative Burt Dine

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58908

Well Name & No. Massier "B" #1-31 Test No. 5 Date 6-28-14
 Company McCoy Petroleum Corporation Elevation 2101 KB 2096 GL
 Address _____
 Co. Rep / Geo. Dave Williams Rig Murphy #24
 Location: Sec. 31 Twp. 11S Rge. 19W Co. Ellis State KS

Interval Tested 3667 3760 Zone Tested Congl- Arbuckle
 Anchor Length 93 80 Tail Drill Pipe Run 3581 Mud Wt. 9.1
 Top Packer Depth 3662 Drill Collars Run 88 Vis 5.9
 Bottom Packer Depth 3667 Wt. Pipe Run 0 WL 8.0
 Total Depth 3840 Chlorides 3800 ppm System LCM 5#

Blow Description B.O.B. In 2 mins
Weak surface blow back built to 1/2 in
B.O.B. In 3 mins
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
110	60CM	5	25		60
1408	60	30	70		
0	350 GIP	100			
1518	BHT 118	Gravity 36	API RW @	F Chlorides	ppm

(A) Initial Hydrostatic 1909 Test 1150 T-On Location 1740
 (B) First Initial Flow 81 Jars 250 T-Started 1810
 (C) First Final Flow 125 Safety Joint 75 T-Open 2016
 (D) Initial Shut-In 971 Circ Sub Dropped Bar 50 T-Pulled 0051 (6-29-14)
 (E) Second Initial Flow 198 Hourly Standby 2 1/4 hr 1h T-Out 0423
 (F) Second Final Flow 546 Mileage 62 Comments _____
 (G) Final Shut-In 833 Sampler _____
 (H) Final Hydrostatic 1796 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 5 Extra Recorder _____ Sub Total 0
 Initial Shut-In 60 Day Standby _____ Total 2287
 Final Flow 90 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 120 Sub Total 2287

Approved By _____ Our Representative [Signature]
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ALLIED OIL & GAS SERVICES, LLC 055291

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
Russell

DATE <u>6.22.14</u>	SEC. <u>31</u>	TWP. <u>11</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>1:30 PM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>Emassler B</u>	WELL # <u>1-31</u>	LOCATION <u>Keemets - T-70</u>	COUNTY <u>Ellis</u>	STATE <u>Ks</u>	OLD OR NEW (Circle one) <u>NEW</u>		
n to Homestead rd 2'2" w into							

CONTRACTOR Murfin #24 OWNER _____

TYPE OF JOB SURFACE

HOLE SIZE 8 1/2" T.D.

CASING SIZE 8 1/2" DEPTH 219

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 15'

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 12,99 Hrs

CEMENT AMOUNT ORDERED 130 sz

+127.50 + 31.00

COMMON 130 sz @ 17.90 \$ 2,327.00

POZMIX _____ @ _____

GEL 246 lb @ .24 \$ 59.04

CHLORIDE 369 lb @ .80 \$ 295.20

ASC _____ @ _____

EQUIPMENT

PUMP TRUCK # 417 CEMENTER Danny Plank

BULK TRUCK # 378 HELPER Danny S

BULK TRUCK # _____ DRIVER Tracy J.

BULK TRUCK # _____ DRIVER _____

Material @ _____ \$ 2681.24

Oil @ 670.31

HANDLING 130 sz Ft @ 2.40 \$ 312.00

MILEAGE 92.25 @ 2.60 \$ 239.85

REMARKS:

See Cementing Job Log

Cement to Surface

CHARGE TO: McCoy Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 219'

PUMP TRUCK CHARGE \$ 1,512.25

EXTRA FOOTAGE @ _____

MILEAGE 92.25 @ 2.60 \$ 239.85

MANIFOLD high 15 @ 4.4 \$ 660.00

592.87

TOTAL \$ 2,371.50

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL 0

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 Anthony Martin

SIGNATURE Anthony Martin

SALES TAX (If Any) _____

TOTAL CHARGES \$ 5,052.74

DISCOUNT \$ 1,263.18 (25%) PAID IN 30 DAYS

net 3789.56

ALLIED OIL & GAS SERVICES, LLC 055369

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>6-29-14</u>	SEC. <u>31</u>	TWP. <u>11</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 AM</u>	JOB FINISH <u>9:30 PM</u>
LEASE <u>Master B</u>		WELL# <u>131</u>		LOCATION <u>Yocemento 7N 2 1/2 W</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>Auto</u>			

CONTRACTOR Marfin 24
 TYPE OF JOB long string
 HOLE SIZE 7 1/2 T.D. 3840
 CASING SIZE 5 1/2 14" DEPTH 3841.43
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL PC DEPTH 1476
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 43.22
 CEMENT LEFT IN CSG. 43.22
 PERFS.
 DISPLACEMENT 92.5661

OWNER
 CEMENT
 AMOUNT ORDERED 155 ASC
750 gal mud flush
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC 155 @ 23.50 3642.50
Mud Flush 18661 @ 58.70 1056.60
Material @ 4699.10
Disc @ 1174.78
 HANDLING 155 skc @ 2.48 384.40
 MILEAGE 124.9125 4/m @ 2.75 343.51
 TOTAL 8427.04

EQUIPMENT
 PUMP TRUCK CEMENTER Robert Y
 # 409 HELPER Nathan D
 BULK TRUCK
 # 378 DRIVER Kevin R
 BULK TRUCK
 # DRIVER

REMARKS:

see log
plug did not land
Thank you!!!

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

SERVICE

DEPTH OF JOB 3841
 PUMP TRUCK CHARGE 2558.75
 EXTRA FOOTAGE @
 MILEAGE 15 LVMT @ 4.40 66.00
 MANIFOLD @ 275.00 275.00
30 LVMT @ 7.70 231.00
Disc 904.66 TOTAL 3858.66
~~TOTAL 7130.75~~

PLUG & FLOAT EQUIPMENT

5/2 Floor shoe @ 585.00 585.00
1st down @ 660.00 660.00
Centralizers 5 @ 57.00 285.00
baskets 1 @ 395.00 395.00
Port collar 1 @ 3590.00 3590.00
Disc 1378.75 TOTAL 5515.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cement 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.

SALES TAX (If Any) _____
 TOTAL CHARGES 14072.76
 DISCOUNT 3518.19 25% IF PAID IN 30 DAYS

PRINTED NAME _____
 SIGNATURE Russell

net \$ 10,554.57

ALLIED OIL & GAS SERVICES, LLC 055298

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>7.7.14</u>	SEC <u>31</u>	TWP. <u>11</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>1030 am</u>	JOB FINISH <u>1130 am</u>
LEASE <u>Messier</u>		WELL# <u>B1-31</u>	LOCATION <u>Vocemato, I-70 exit</u>	COMPANY <u>Ellis'</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)			<u>to Holsbad rd 2 1/2 w n into.</u>				

CONTRACTOR Leiter Well Service OWNER

TYPE OF JOB Port Collar

HOLE SIZE 5 1/2 T.D. CEMENT

CASING SIZE 5 1/2 DEPTH AMOUNT ORDERED 200 sk ACON

TUBING SIZE 2 3/8 DEPTH 1486'

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM COMMON 200sk @ 25.0 \$ 5,000.00

MEAS. LINE SHOE JOINT POZMIX @

CEMENT LEFT IN CSG. GEL @

PERFS. CHLORIDE 56416 @ 1.10 \$ 620.40

DISPLACEMENT 4 1/2 1 1/2 ASC @

EQUIPMENT @

PUMP TRUCK CEMENTER John Pannonski @ 5620.40

417 HELPER Danny @ 1854.74

BULK TRUCK @

473 DRIVER John P @

BULK TRUCK @

DRIVER @

HANDLING 200 sk Ft @ 2.48 \$ 496.00

MILEAGE 235 11m @ 2.15 \$ 476.25

TOTAL \$ 6,759.35

REMARKS:

See Cementing Job log
Cement to Surface!

SERVICE

DEPTH OF JOB 1486'

PUMP TRUCK CHARGE \$ 2,249.84

EXTRA FOOTAGE @

MILEAGE Heavy 150 @ 4.7 \$ 305.00

MANIFOLD High 25 @ 4.4 \$ 110.00

@

@

@

Sub 182.73 TOTAL \$ 3,887.09

TOTAL \$ 2,777.84

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

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

SIGNATURE [Signature]

SALES TAX (If Any)

TOTAL CHARGES \$ 9,507.49

DISCOUNT \$ 3,137.47 (33%) IF PAID IN 30 DAYS

Net 6,370.02