



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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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 (Specify) _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

November 15, 2011

Leon Rodak
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO1
API 15-141-20434-00-00
Peterson 'A' 1-6
NE/4 Sec.06-08S-14W
Osborne County, Kansas

Dear Production Department:

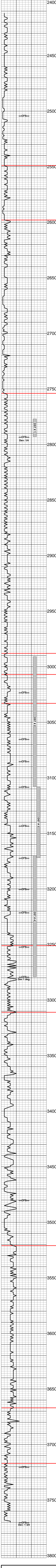
We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Leon Rodak

MDCI Peterson 'A' #1-6 895' FNL 1725' FEL Sec. 6-T8S-R14W 1831' KB	MDCI Thornburg #1-6 2310' FSL 1000' FEL Sec. 6-T8S-R14W 1854' KB
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Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log tops	Datum
Anhydrite	1113	+718	-14	1112	+719	-13	1122	+732
B/Anhydrite	1147	+684	-11	1146	+685	-10	1159	+695
Topeka	2754	-923	-4	2753	-922	-3	2773	-919
Heebner	2988	-1157	-6	2986	-1155	-4	3005	-1151
Toronto	3007	-1176	-4	3007	-1176	-4	3026	-1172
Lansing	3033	-1202	-5	3032	-1201	-4	3051	-1197
Stark	3251	-1420	-3	3251	-1420	-3	3271	-1417
BKC	3311	-1480	-6	3312	-1481	-7	3328	-1474
Viola	3520	-1689	+45	3522	-1691	+43	3588	-1734
Simpson	3656	-1825	-26	3667	-1836	-37	3653	-1799
Arbuckle	3708	-1877	-27	3718	-1887	-37	3704	-1850
RTD	3770						3767	
LTD				3771			3767	



Sh: Gy-gn-gy & lt gy, fis, some slty & mica, tr pyr & carb mat, wh & lt yel sbchky Ls, n.v.p.

Sh: Gy-gn & med gy, fis, much slty, some lt gy fr-vxln arg dns Ls, n.v.p.

Sh: Gy-dk gy, fis, some v.slty, sli pyr, dk gy & tn mott vxln arg Ls, n.v.p.

Ls: Crm, fxln, tr org rem, some sbchky, bcm crm-gy fr-vxln, arg-shly dns, n/s.

Ls: Tn, fxln, dns, intbd gn & gy-gn fis slty sh, tr org rem.

Sd: Crm-gy & v.lt gn-gy, vfn, some slt, ang-sbang, glauc, tr pyr, arg, fr-gd intran por, n/s.

Ls: Tn-brn, mott w/dk gy sh, tr org rem, dns

Stst: V.lt gy, some crm-lt gy arg, sli calc, tr mica, pts sdy, n/s.

Sh: Gy & lt gy, fis, mica, slty, tr carb mat.

Stst: V.lt gy, lt gn-gy, vfn, mica, slty, lri, smwt arg, n/s.

Ls: Tn-brn, fxln, foss, pyr, occ arg-shly, dns, n/s.

Ls: Crm, fxln, foss, tr ool, chky-sbchky, intbd lt gy & lt gn-gy gum sh.

Ls: Crm, fxln, foss, sli ool, sbchky, sli arg, n.v.p, n/s.

Stst: Gy, tr tn-gy, sli pyr, arg, some vfn sd, fr intran por, n/s.

Ls: Tn, fxln, sli foss, bcm tn-gy & arg, intbd gy fis sh, n.v.p, n/s.

Ls: Brn & gy-brn, vxln, foss, smwt arg, dns, bcm crm fxln sli foss, some sbchky, n/s.

Sh: Dk gy, fis, sli pyr, some slty.

Ls: Crm, fxln, tr org rem, some dk gy sh inc, tr amor calc, arg in pt, n.v.p.

Sh: Gy-dk gy, thin fis, sli pyr, occ slty.

Ls: Tn-gy, fxln, much mott w/dk gy sh inc, some org rem, tr spr calc, bcm v arg, n.v.p.

Sh: Dk gy, fis, slty, sli pyr, some lt gn calc-lmy sh.

Ls: Crm, fxln, v.foss (Fus) tr sbchky, cons spr calc, some arg, n/s.

Sh: Gy-lt gy, fis, slty, tr carb mat, some gum.

Stst: Gy-dk gy, sli pyr, tr mica & glauc, arg, some sdy, n/s.

Sh: Dk gy & gy-brn, fis, some calc.

Ls: Tn, fxln, dk tn rextzd org rem, tr sbchky & sli arg in pt, n.v.p.

Sh: Gy, gy-brn, fis, tr slty, intbd lt gy & v.lt gy-gn sli mica v fn stst, n/s.

Ls: Crm, gran-frag, cons yel ool, sli arg-shly, n/s.

Ls: Crm, fxln, foss (Fus) glauc, tr sbchky, n.v.p.

Ls: Crm-lt gy, fr-vxln, foss (Brach) sbchky, occ v arg, n.v.p.

Ls: Crm, vxln, wtd-sbchky, sli foss (Brach) intbd gy-dk gy fis sh, n.v.p.

Ls: Tn-gy, gran, dol, arg, some spr calc, pr pp & intran por, gd odor, fr shw FO, med brn even sat stn.

Ls: Crm, fxln, tr org rem, intbd dk gy fis slty sh, n.v.p.

Ls: Crm-lt, mott w/dk gy sh & org rem, fxln, intbd dk gy sli pyr sh, n/s.

Ls: Gy, tr tn-gy, fxln-vxln, sbchky, tr org rem, some arg, n.v.p.

Ls: Crm-lt, fr-vxln, tr sbchky, occ dk gy sh inc, cons spr calc, tr org rem, n/s.

Ls: Crm, fr-vxln, foss (Brach, Crin) some arg, tr sbchky, n/s.

Ls: Crm, occ crm-gy, fxln-gran, sbchky, foss, some gy & dk gy op mott cht, pts arg, n/s.

Ls: Tn-gy, fr-vxln, mott w/dk gy sh, chky, tr foss, gen dns, n/s.

Sh: Blk, thin fis, carb, bcm gy dk gy & gy-brn fis-biky, sli pyr, slty, some brn & gy-brn mott vxln dns Ls.

Ls: Wh-crm, vxln, sbchky, dns, tr frac, n/s.

Ls: Wh-v.lt gy, vxln, sbchky, some arg, tr amor calc, n.v.p.

Ls: Wh-lt gy, fr-vxln, dns, tr org rem, some arg-shly, n.v.p.

Sh: Gy & gy-brn, fis, some vgt, slty.

Ls: Tn-gy, fxln, mott w/dk gy sh, some gy op vit cht, sli foss & pyr, n.v.p.

Sh: Blk & v.dk gy-brn thin fis, carb.

Ls: Crm, fr-vxln, v.chky, foss (Fus, Crin) intbd lt gn calc sli pyr occ gum sh, n/s.

Ls: Crm, occ tn & lt gy, fxln, chky-sbchky, foss (Fus) some dk gy sh inc, tr wh-brn mott op cht, n/s.

Ls: Crm-wh, fxln, sbchky, tr pyr, some amor calc, occ crm-lt gy & arg, tr pp por, n/s.

Ls: Crm-gy, fxln, chky, cons dk gy sh inc, sli foss (Fus) some intbd gy fis sh, n.v.p, n/s.

Ls: Crm-gy, fxln, chky, sli foss (Fus) tn & gy op vit cht, some arg, n.v.p.

Sh: Blk, thin fis, carb, sli shw G, bcm gy-gn & gy-gn fis occ slty sli calc sh, intbd gy vxln dns Ls & olv gn sli calc v arg slst.

Ls: Crm & lt gy, fxln, chky, sli pyr, tr amor calc, tn & gy mott op cht, pr pp por, no odor, v.sli shw lt brn FO, r. spst stn.

Ls: Wh-crm, fxln-gran, v.chky, some spr calc, fr intran por, n/s.

Sh: Gy-gn, fis, some calc, bcm rd-brn ea.

Ls: Crm, fxln, foss (Brach) n.v.p.

Sh: Gy-gn & lt gn, fis-biky, calc, pyr, tr org rem, bcm rd-brn ea occ gum.

Ls: Tn-gy, gran, tr spr calc, sli arg, pr intran por, gd odor, v.sli shw FO, r. spst stn.

Ls: Crm-lt gy, fxln, sbchky, occ arg, tn & gy-brn op-trnsi vit cht, some spr calc, n.v.p, n/s.

Sh: Gy & gy-gn, fis, sli pyr, occ calc.

Ls: Wh-v.lt gy, fxln, sbchky, sli ool, tr pyr & amor calc, pr intran por, tr frac por, fr odor, no FO, lt sply stn.

Ls: Crm-lt gy, fxln, sli foss (Brach) tr sbchky, wh & tn op-trnsi vit cht, n.v.p.

Sh: Dk gy, fis, sli pyr, cons carb mat.

Ls: Wh-crm, fxln, foss (Fus) cons spr calc, some sbchky, pr-fr pp por, sli odor, v.sli shw FO, v.sply stn.

Ls: Wh-crm, fr-vxln, occ sbchky, some sec calc, n.v.p.

Sh: Blk, thin fis, carb, some wh-crm fxln Ls & gy dk gy & gy-gn fis sh, pr pp por, sli odor, no FO, tr lt sply stn.

Ls: Crm, fxln-gran, tr ool, occ amor calc, pr intran por, n/s.

Sh: Lt gn gy-gn & olv gn, fis-biky, sli pyr, some slty & calc.

Ls: Crm, fxln, ool, cons sec calc, sbchky, some dk gy sh inc, pr intool por, n/s.

Ls: V.lt gy, fr-vxln, some spr-dru calc, cons chky, fr vug por, fr odor, v.sli shw v.lt FO, lt sply stn.

Ls: Wh, tr wh-crm, fxln, sli ool, sbchky, n.v.p.

Ls: Crm, vxln, sbchky, dns, tr frac & spr calc, n/s.

Sh: Blk, thin fis, carb, bcm dk gy & gn-gy thin bdd fis v. slty.

Ls: Crm, fxln, chky-sbchky, tr ool & pyr, some amor calc, n/s.

Ls: Tn, fr-vxln, silic, tr lt gy & tn trnsi fra cht, n.v.p.

Ls: Crm, fxln, sbchky, tr spr calc, n.v.p, n/s.

Sh: Dk gy & dk olv gn, fis, sli pyr, some blk carb.

Ls: Wh-crm, fxln, tr org rem, cons spr calc, tr sbchky, some crm & lt gy mott trnsi cht, pr pp por, no odor, v.sli shw FO, r. v.lt stn.

Sh: Gy-gn, lt gn & olv gn, tr dk gy, fis, sli pyr, some slty.

Ls: Crm, fxln, sli foss (Fus) tr sbchky, some spr calc, n.v.p, n/s.

Ls: Crm-v.lt gy, fxln-gran, sbchky, cons spr calc, pr intran por, n/s.

Sh: Blk, thin fis, carb, bcm gy-gn & dk olv gn fis sli calc, some intbd gy-brn slty sh.

Ls: Crm, n.v.p, tr crm-v.lt gy, sbchky, tr ool & spr calc, n.v.p, n/s.

Ls: Tn-gy, fxln, sli pyr, tr sbchky, some dk gy sh inc, n.v.p, n/s.

Sh: Blk, thin fis, carb, bcm lt gn-gy & lt gn fis-biky pyr, occ calc-lmy, some slty.

Ls: Crm-lt, fxln, sli ool, tr dk gy sh inc, some sbchky, n.v.p.

Ls: Lt gy-lt, fxln, cons org rem, sli pyr, dk gy sh inc, occ chky, n.v.p.

Ls: Lt gy, fxln, chky-sbchky, pyr, occ arg, n/s.

Sh: Blk, fis, carb, bcm dk gy & gy-gn, fis, smwt calc, occ slty.

Ls: V.lt gy, occ wh-v.lt gy, fxln-gran, v.chky, sli pyr, some arg, fr intran por, n/s.

Ls: Tn, vxln, sli foss, dns, intbd lt gn sh.

Ls: Tn, fr-vxln, dns, some silic, intbd gy fis sli pyr sh, tr carb mat & org rem, n.v.p.

Sh: Gy-gn & olv gn, fis, pyr, occ calc, foss (Brach)

Ls: Crm, tr v.lt gy, fxln, chky-sbchky, tr spr calc, n/s.

Sh: V.lt gy-gn, thin fis-biky, sli pyr, slty.

Ls: Lt gy, fxln, wtd-sbchky, occ spr calc, tr frac, n.v.p.

Ls: Crm-lt gy, fr-medln, sbchky, tr v.lt gy op frs cht, slty in pt, intbd gn-gy thk fis calc pyr sh.

Ls: Lt gy, fxln-gran, some dk gy org rem, sli pyr, sbchky in pt, n/s.

Sh: Gy-gn & olv gn, fis-biky, occ v slty, sli pyr, some calc, intbd blk & dk gy-brn carb sh.

Ls: Crm, fxln-gran, tr org rem, sbchky, occ arg-shly.

Ls: Crm-v.lt gy, fxln-gran, sbchky, sli pyr, tr org rem & lt gy calc, gd intran por, n/s.

Sh: Blk, fis, carb.

Sh: Gy-gn rd-brn mar & lt gn, biky mott, some slty.

Ls: Crm-lt, fr-vxln, tr tn & lt gy op-trnsi cht, some arg, n.v.p.

Ls: V.lt gy, tr crm-lt gy, tr gran, v.lt gy & tn op-trnsi cht, some sbchky, n/s.

Sh: Gy-gn rd-brn blu-gn tr mar, fis, mott occ slty, intbd lt gy & crm calc stst mott w/dk-brn sh, wl cmt, n/s.

Ls: Wh, fxln-gran, sbchky, slty in pt, n/s.

NO SAMPLE

Sh: Gy & gy-gn tr yel, occ brn & rd-brn, fis, some mott, tr wh vfn lmy sd & v.lt gy fis Ls, pr pp por, v.sli odor, sli shw FO, lt sply stn.

Sh: Gy-gn rd-brn tr yel, fis, some lt gy & lt purp arg stst, cons wh-crm fxln sbchky Ls, n/s.

Ls: Crm-v.lt gy, fxln, tr gran, sbchky, occ slty, some spr calc, n.v.p.

Ls: Wh-crm, fxln, tr gran sli ool, some sbchky, tr slty, occ spr calc, n.v.p.

Ls: Crm, v.lt gy tr yel, fr-vxln, wtd, occ arg, n.v.p.

Ls: Wh crm & lt gy, occ yel & pnk, fxln, sbchky, tr org rem, arg in pt, n.v.p.

Ls: Crm & lt yel, fxln, sbchky, occ arg, n.v.p.

Ls: Wh-crm, some yel & pnk, fr-vxln, smwt arg, n.v.p.

Ls: Wh & crm occ mott w/yel, fxln-gran, some sbchky, tr dol, pts arg, n.v.p.

Ls: Wh, fxln, sbchky & crm gran-suc dol, tr arg, n.v.p.

Ls: Crm & wh, fxln, sbchky, tr org rem, tr wh-gy trnsi cht, n.v.p.

Ls: Wh, fxln, sbchky, some crm gran-suc dol, n.v.p.

Sh: Gy-gn & lt gn, fis-biky, occ slty, sli pyr, some tn & lt gy vfn-frn wl cmt arg sd.

Ls: Wh, fxln-gran, sbchky, occ sdy, much intbd gy-gn & lt gn sli pyr sh.

Sh: Gy-gn, tr lt gn, fis, sli calc, some crm fxln-gran sdy Ls, n.v.p, n/s.

Sh: Gy & dk gy, fis, some carb mat, intbd lt blu-gn sbwxy sli pyr sh.

Sh: Blm-gn & gy-gn, fis, sli pyr, tr sbwxy, tr med sbmrd frs uncons sd, n/s.

Dol: Crm-lt, suc, sli chky, tr pyr, fr intran por, n/s.

Dol: Crm tr tn, suc, sli chky, some arg, tr pyr, fr intran por, n/s.

Dol: Crm, fxln-suc, some sec xtal, fr-gd intran & vug por, n/s.

Dol: Lt gy & tn, tr pnk, fxln, tr medln, chky, tr wh op-trnsi ool cht, fr-gd intran & vug por, n/s.

Dol: Crm & v.lt gy, fxln, tr medln, sli chky, some tn & wh op-trnsi cht, gd intran por, n/s.

1:29 PM, 14 SEP 2011
Start: 1 Ft. Drilling Time
10 Ft. Samples

STOTLER
2549 (-718)

TARKIO
2598 (-767)

TOPEKA
2754 (-923)

HEEBNER SHALE
2988 (-1157)

TORONTO
3007 (-1176)

LANSING
3033 (-1202)

STARK SHALE
3251 (-1420)

BASE/KANSAS CITY
3311 (-1480)

VIOLA
3521 (-1690)

STIMPSON
3667 (-1836)

ARBuckle
3717 (-1886)

TOTAL DEPTH
3770 (-1939)

Mud-Co mud check @ 2782'
Vis: 51, Wt: 8.9, WL: 5.4
Chlor: 1,400 ppm, LCM: 3#

Mud-Co mud check @ 3097'
Vis: 48, Wt: 9.3, WL: 6.4
Chlor: 2,500 ppm, LCM: 2#

Mud-Co mud check @ 3172'
Vis: 46, Wt: 9.3, WL: 6.8
Chlor: 3,000 ppm, LCM: 2#

Mud-Co mud check @ 3279'
Vis: 47, Wt: 9.3, WL: 10.0
Chlor: 4,000 ppm, LCM: 2#

Mud-Co mud check @ 3702'
Vis: 53, Wt: 9.6, WL: 10.0
Chlor: 3,200 ppm, LCM: 3#

DST # 1 2766 - 2782
30"-60"-30"-60"
IF: Weak intermittent surf. blow
FF: Few bubbles
RECOVERY:
1 Ft. Very Silty Oil Cut Watery Mud
(2%Oil,48%Wtr,50%Mud)
9 Ft. Muddy Water
(Chlor: 7,500 ppm)
5 Ft. Mud
IHP: 1361 psi FHP: 1313 psi
IFP: 13-19 psi ISIP: 1041 psi
FFP: 20-25 psi FSIP: 1000 psi
BHT: 92 deg. F.

DST # 2 2980 - 3097
30"-60"-30"-60"
IF: V. weak surface blow.
FF: V. weak surging surface blow
RECOVERY:
12 Ft. Mud, w/slight Oil sheen
IHP: 1469 psi FHP: 1451 psi
IFP: 23-30 psi ISIP: 1044 psi
FFP: 35-42 psi FSIP: 1000 psi
BHT: 92 deg. F.

DST # 3 3108 - 3172
30"-60"-30"-60"
IF: Very weak 1 1/4 inch blow
FF: Very weak 1/2 inch blow
RECOVERY:
20 Ft. Mud
IHP: 1530 psi FHP: 1501 psi
IFP: 19-27 psi ISIP: 1177 psi
FFP: 29-35 psi FSIP: 1154 psi
BHT: 93 deg. F.

DST # 4 3170 - 3279
30"-60"-30"-60"
IF: V. weak blow, incr. to 1 1/4 inches
FF: V. weak blow after 23 min.
RECOVERY:
30 Ft. Mud
IHP: 1581 psi FHP: 1539 psi
IFP: 22-33 psi ISIP: 1212 psi
FFP: 35-50 psi FSIP: 1190 psi
BHT: 93 deg. F.

Operator: MURFIN DRILLING COMPANY, INC.
Lease: PETERSON 'A' # 1-6
Location: 895 FNL & 1725 FEL SEC. 6 TWSP 8S RGE 14W
County: OSBORNE State: KANSAS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.
250 N. Water Ste. # 300
Wichita, KS
ATTN: Paul Gunzelman

Peterson A 1-6
6/8S/14W-Osborne
Job Ticket: 45245 **DST#: 1**
Test Start: 2011.09.15 @ 05:26:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	7500 ppm
Viscosity: 30.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: 1.08 ohm.m	Gas Cushion Pressure: psig		
Salinity: 48000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.025
9.00	50%Water/50%Mud	0.044
1.00	2%Oil/48%Water/50%Mud	0.005

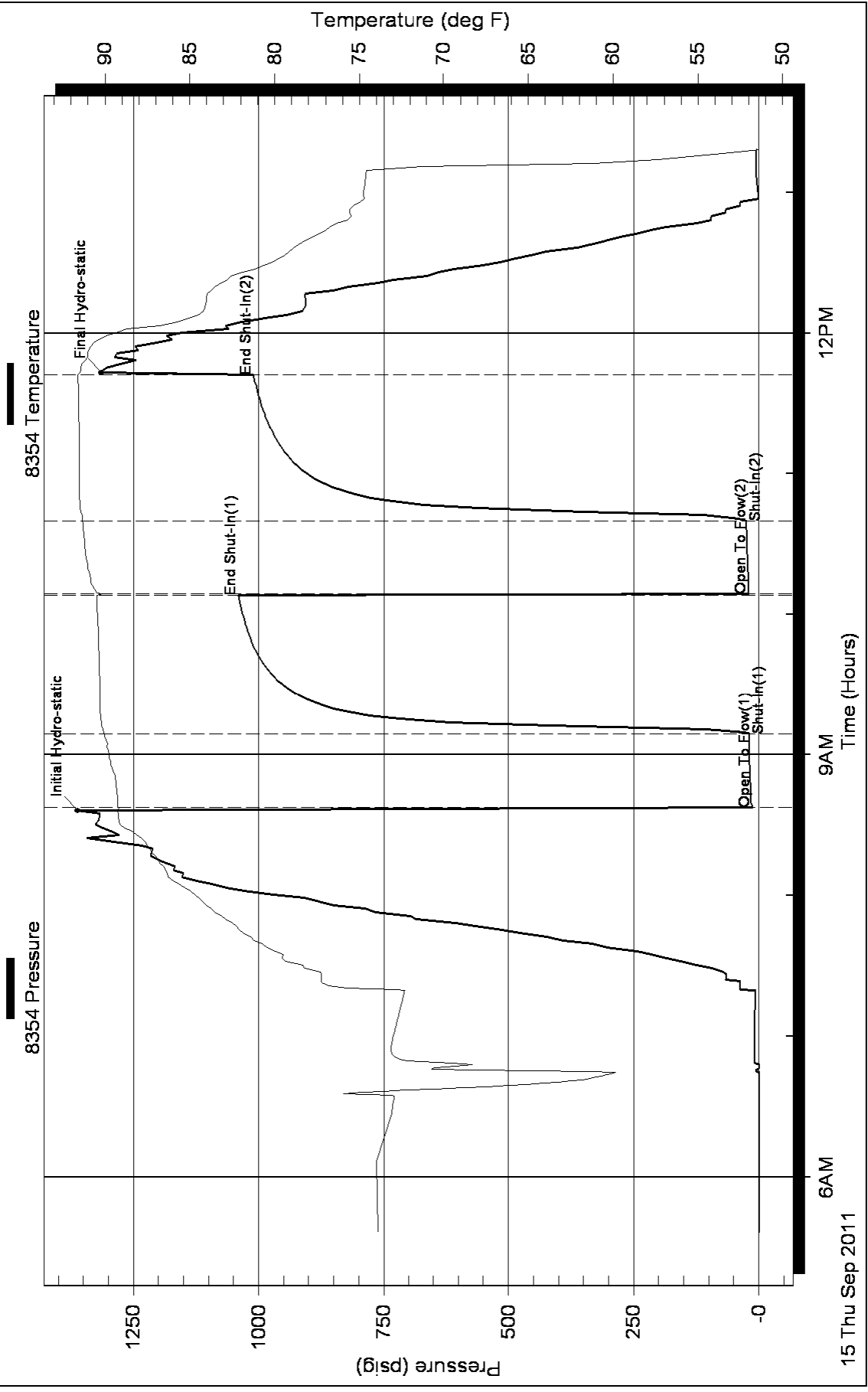
Total Length: 15.00 ft Total Volume: 0.074 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.
250 N. Water Ste. # 300
Wichita, KS
ATTN: Paul Gunzelman

Peterson A 1-6
6/8S/14W-Osborne
Job Ticket: 45246 **DST#: 2**
Test Start: 2011.09.16 @ 08:39:30

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

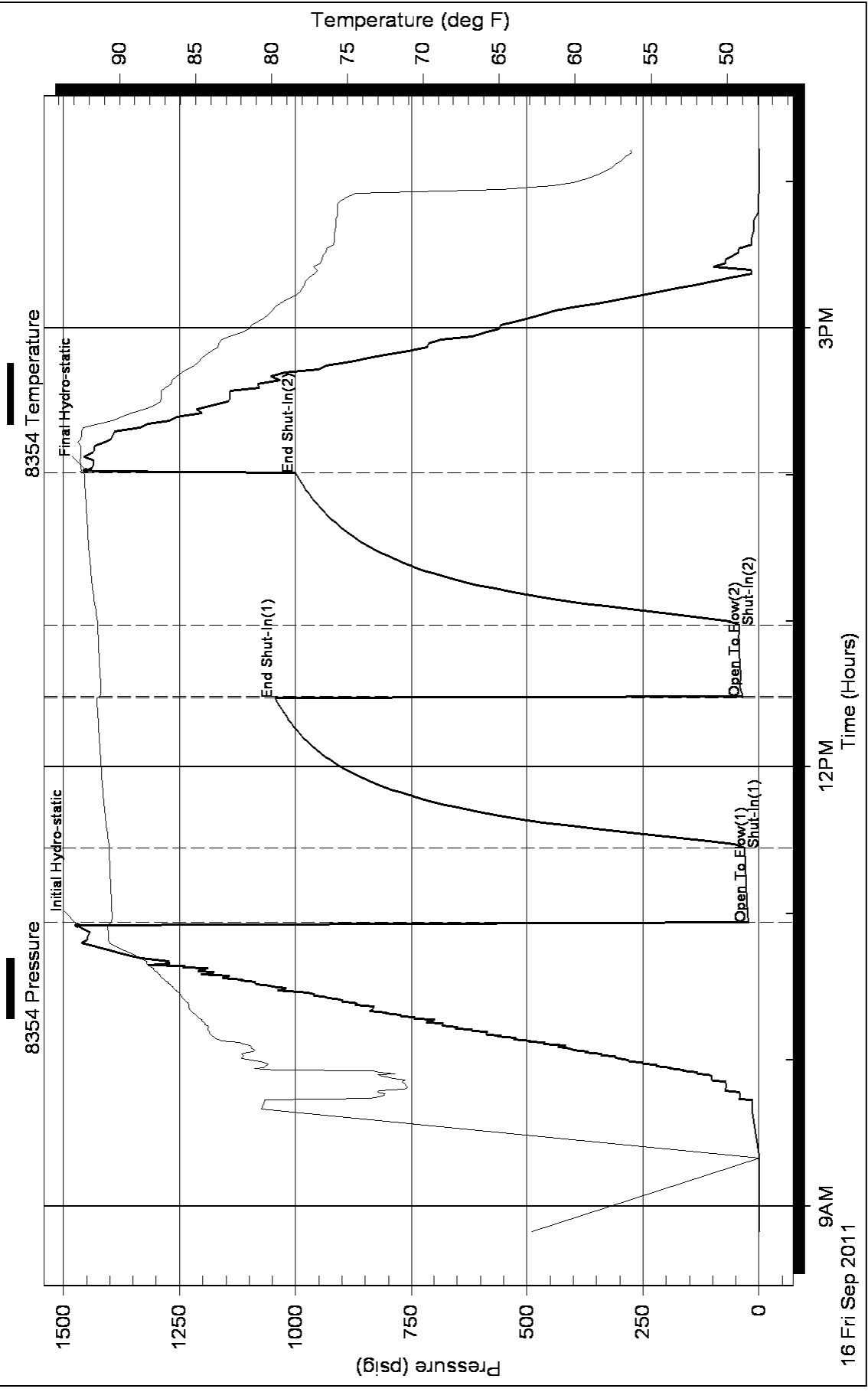
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	100%Oil/w ith very slight oil skim	0.059

Total Length: 12.00 ft Total Volume: 0.059 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.
250 N. Water Ste. # 300
Wichita, KS
ATTN: Paul Gunzelman

Peterson A 1-6
6/8S/14W-Osborne
Job Ticket: 45247 **DST#: 3**
Test Start: 2011.09.17 @ 01:37:30

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

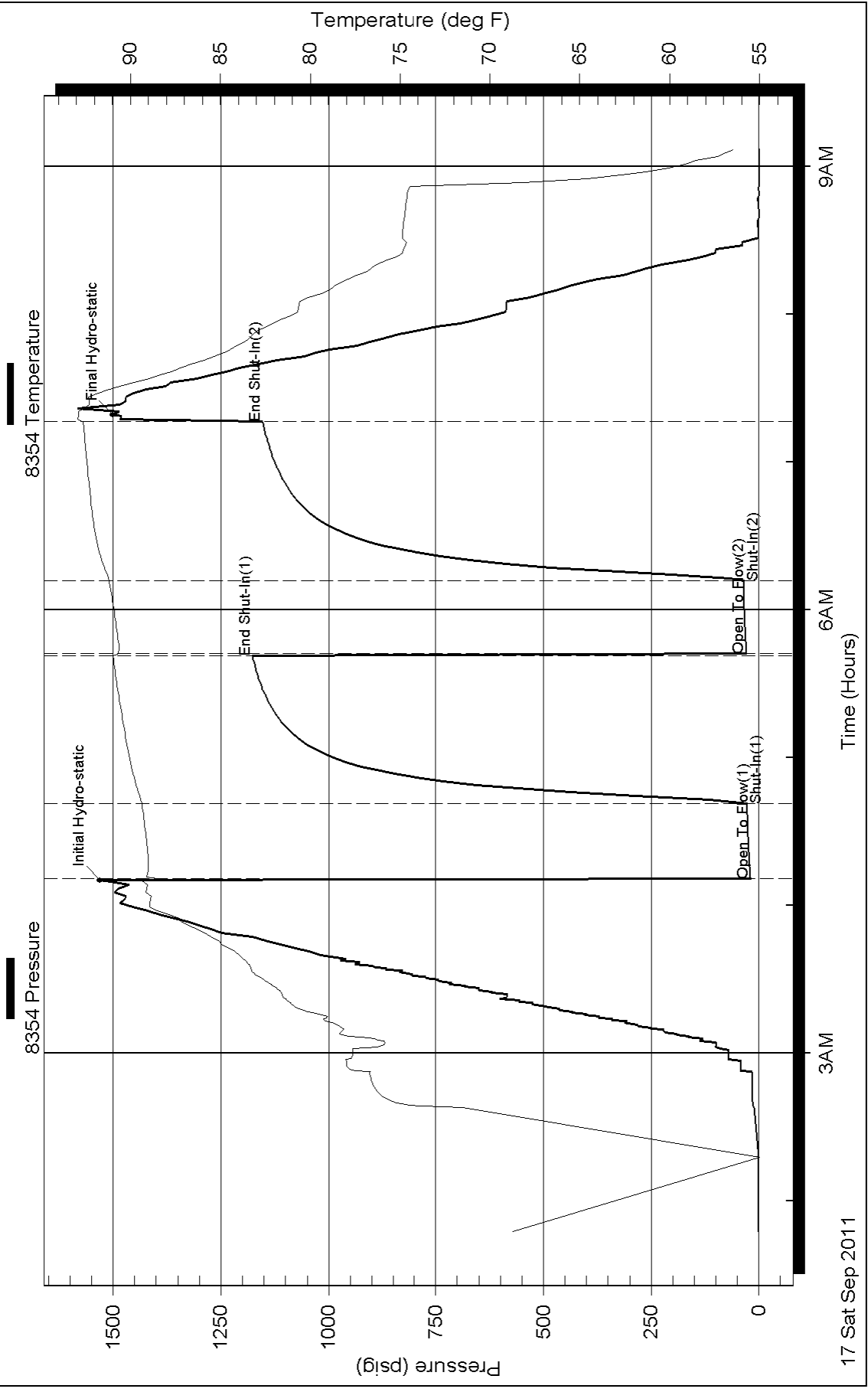
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%Mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co., Inc.
250 N. Water Ste. # 300
Wichita, KS
ATTN: Paul Gunzelman

Peterson A 1-6
6/8S/14W-Osborne
Job Ticket: 45248 **DST#: 4**
Test Start: 2011.09.17 @ 23:15:30

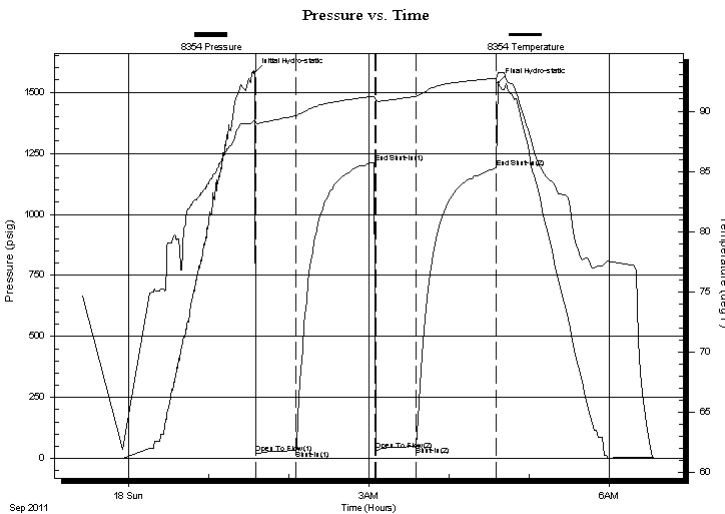
GENERAL INFORMATION:

Formation: **LKC "H-K**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 01:35:00 Tester: Dustin Rash
Time Test Ended: 06:34:30 Unit No: 38
Interval: 3170.00 ft (KB) To 3279.00 ft (KB) (TVD) Reference Elevations: 1836.00 ft (KB)
Total Depth: 3279.00 ft (KB) (TVD) 1831.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press @ Run Depth: 50.04 psig @ 3271.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.09.17 End Date: 2011.09.18 Last Calib.: 2011.09.18
Start Time: 23:25:30 End Time: 06:34:30 Time On Btm: 2011.09.18 @ 01:34:00
Time Off Btm: 2011.09.18 @ 04:37:00

TEST COMMENT: IF-Very weak building blow . Built to 1&1/4 inches.
IS-No Return.
FF-Very weak building blow after 23 minutes. Built to 1/4 inch.
FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.77	89.26	Initial Hydro-static
1	22.07	89.01	Open To Flow (1)
31	32.56	89.63	Shut-In(1)
90	1211.67	91.24	End Shut-In(1)
91	34.71	90.95	Open To Flow (2)
122	50.04	91.21	Shut-In(2)
182	1190.28	92.73	End Shut-In(2)
183	1539.10	93.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%Mud	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co., Inc.
250 N. Water Ste. # 300
Wichita, KS
ATTN: Paul Gunzelman

Peterson A 1-6
6/8S/14W-Osborne
Job Ticket: 45248 **DST#: 4**
Test Start: 2011.09.17 @ 23:15:30

Mud and Cushion Information

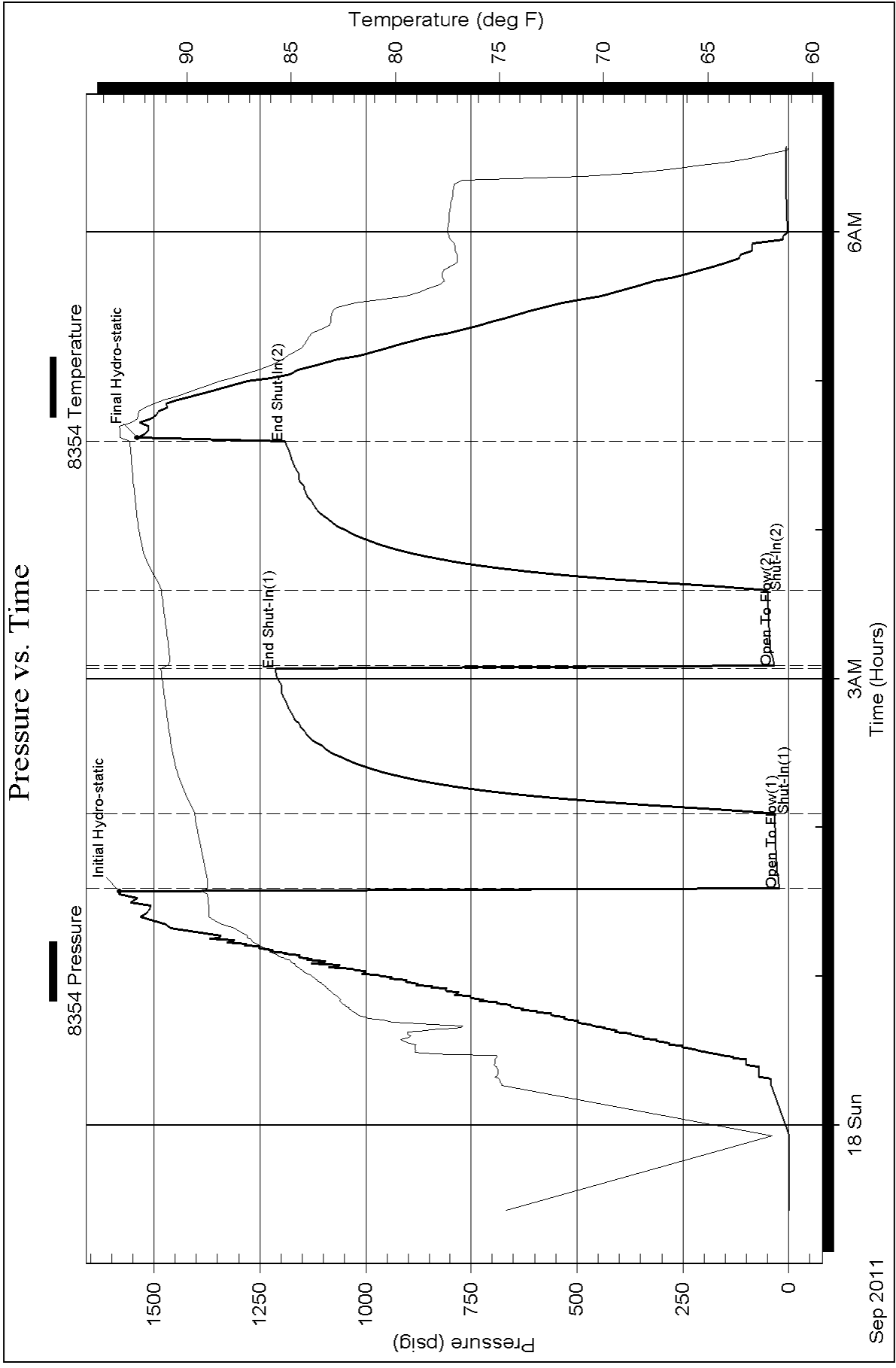
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 9/14/2011
 Invoice # 5296

recd. Lisy

P.O.#:
 Due Date: 10/14/2011
 Division: Russell

PROD COPY

Invoice

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

operator Pay / BU

USED FOR _____
 APPROVED _____

Reference:
 PETERSON A 1-6

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 977.42	No				
Common-Class A	150	\$ 1,958.87	Yes				
Pump Truck Mileage-Job to Nearest Camp	41	\$ 438.00	No				
Bulk Truck Matl-Material Service Charge	158	\$ 338.25	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	41	\$ 256.30	No				
Calcium Chloride	5	\$ 201.56	Yes				
Premium Gel (Bentonite)	3	\$ 52.28	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,222.69

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (633.40)

SubTotal for Taxable Items: \$ 1,880.81

SubTotal for Non-Taxable Items: \$ 1,708.48

Total: \$ 3,589.29

Tax: \$ 146.70

7.80% Osborne County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,735.99

Applied Payments:

Balance Due: \$ 3,735.99

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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[Handwritten signature]

ID203

3.6213.0001

3735.99

*Cement Surface
 Csmg. A #1-6*

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 5296

Cell 785-324-1041

Date	9/11/11	Sec.	6	Twp.	8	Range	14	County	Osborne	State	KS	On Location		Finish	1:30 AM
Lease	Peterson "A"		Well No.	1-6		Location									
Contractor										Owner					
Type Job										To Quality Oilwell Cementing, Inc.					
Hole Size										You are hereby requested to rent cementing equipment and furnish					
Csg.										cementer and helper to assist owner or contractor to do work as listed.					
Tbg. Size										Charge To					
Tool										Street					
Cement Left in Csg.										City					
Meas Line										State					
Shoe Joint										The above was done to satisfaction and supervision of owner agent or contractor.					
Displace										Cement Amount Ordered					

EQUIPMENT

Pumptrk	9	No.	Cementer	Paul	Common	150
			Helper			
Bulktrk	14	No.	Driver	Matt	Poz. Mix	
			Driver			
Bulktrk	PV	No.	Driver	Brian	Gel.	3
			Driver			

JOB SERVICES & REMARKS

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
Est. Circ.	Sand
Mix 150sx	Handling 150
Displace	Mileage
Cement Circulated	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 5/8"
Baskets	
AFU Inserts	
Float Shoe	Swage
Latch Down	

Thank You!!!

Pumptrk Charge	Surface
Mileage	41

Tax	
Discount	
Total Charge	

X Signature *Larkin Fan*



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 9/23/2011
 Invoice # 5204

PROD COPY

P.O.#:

Due Date: 10/23/2011

Division: Russell

Invoice

USED FOR D+A
 APPROVED [Signature]

Contact:
 Murfin Drilling Company
Address/Job Location:
 Murfin Drilling Company
 P.O. Box 288
 Russell Ks 67665

Reference:
 PETERSON A 1-6

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	Yes				
Common-Class A	138	\$ 1,777.13	Yes				
Bulk Truck Matl-Material Service Charge	238	\$ 502.44	Yes				
POZ Mix-Standard	92	\$ 446.71	Yes				
Pump Truck Mileage-Job to Nearest Camp	39	\$ 410.84	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	39	\$ 240.41	Yes				
Premium Gel (Bentonite)	8	\$ 137.48	Yes				
Flo Seal	50	\$ 105.56	Yes				
Dry Hole Plug	1	\$ 59.11	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$	4,643.54
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(696.53)
<hr/>			
	SubTotal for Taxable Items:	\$	3,947.01
	SubTotal for Non-Taxable Items:	\$	-
<hr/>			
	Total:	\$	3,947.01
	Tax:	\$	307.87
	Amount Due:	\$	4,254.87

7.80% Osborne County Sales Tax

Thank You For Your Business!

Applied Payments:
Balance Due: \$ **4,254.87**

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.

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Account	Description
10203	4254.87 PTA - A #1-6
3.6213.0001	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5204

Date	9/20/11	Sec.	6	Twp.	8	Range	14	County	Osborne	State	KS	On Location		Finish	4:00 AM	
Lease	Peterson "A"			Well No.	1-6			Location	Natoma, N to BRK Rd, 2E, 1 3/4 N, E into							
Contractor	Murfin Drilling Rig #8							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	ATA							Charge To	Murfin Drilling Co., Inc.							
Hole Size	2 7/8"			T.D.	3770'			Street								
Csg.								City	State							
Tbg. Size								The above was done to satisfaction and supervision of owner agent or contractor.								
Tool								Cement Amount Ordered	230 3x60 / 40 4% gel 1/2# FLOEPE ✓							
Cement Left in Csg.																
Meas Line																

EQUIPMENT

Pumptrk	5	No.	Cementor	Paul	Common	130
			Helper			
Bulktrk	10	No.	Driver	Jason	Poz. Mix	92
			Driver			
Bulktrk		No.	Driver		Gel.	8
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole 30 5x	Salt
Mouse Hole	Flowseal 50#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
3698' - 25 5x	Sand
1120' - 25 5x	Handling 238
740' - 100 5x	Mileage
270' - 40 5x	
40' - 10 5x	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 3/8"
Baskets	
AFU Inserts	
Float Shoe	Dry Hole Plug
Latch Down	

Thank You!!

Pumptrk Charge plug
Mileage 39

X Signature James R. Pak

Tax
Discount
Total Charge