



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228112
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: _____



1228112

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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
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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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Connell, Mark Allen
Well Name	J Behnke OWWO 1
Doc ID	1228112

All Electric Logs Run

Cement Bond Log
Dual Induction Log
Dual Compensated Porosity Log
Microresistivity Log

Form	ACO1 - Well Completion
Operator	Connell, Mark Allen
Well Name	J Behnke OWWO 1
Doc ID	1228112

Tops

Name	Top	Datum
Anhydrite	388	+1329
Heebner	2747	-1030
Toronto	2769	-1052
Brown Lime	2869	-1152
Lansing	2894	-1177
G Zone	2976	-1259
H Zone	3041	-1324
I Zone	3073	-1356
J Zone	3085	-1368
Base KC	3191	-1474
Pleasanton Lime	3198	-1481
Arbuckle	3251	-1534
TD	3323	-1606

Well Name: J.Behnke (OWWO) #1
 Surface Location: 2970' FSL_990' FEL SW/SE/NE
 Bottom Location:
 API: 15-159-03264-0001
 License Number:
 Spud Date: 5/30/2014 Time: 3:30 PM
 Region: Rice County 1 19S 10W
 Drilling Completed: 6/3/2014 Time: 12:00 AM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1712.00ft
 K.B. Elevation: 1717.00ft
 Logged Interval: 2700.00ft To: 3323.00ft
 Total Depth: 3327.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chem mud

OPERATOR

Company: Mark Allen Connell
 Address: 606 W. Albro St.
 Claflin, KS 67525
 Contact Geologist:
 Contact Phone Nbr:
 Well Name: J.Behnke (OWWO) #1
 Location: 2970' FSL_990' FEL SW/SE/NE API: 15-159-03264-0001
 Pool: Chase-Silica
 State: Kansas Country: United States

LOGGED BY

Company: Darrah Oil Co
 Address: 225 N. Market Suite #300
 Wichita, KS 67202
 Phone Nbr: (620) 953-2066
 Logged By: Geologist Name: Seth L. Evenson

CONTRACTOR

Contractor: Mallard J.V.
 Rig #: 1
 Rig Type: Standard Double
 Spud Date: 5/30/2014 Time: 3:30 PM
 TD Date: 6/3/2014 Time: 12:00 AM
 Rig Release: 6/4/2014 Time: 8:00 PM

NOTES**DST #1****Arbuckle**

3239' - 3250' corrected

20-20-30-25

IHP = 1627#

IFP = 17#

ISIP = 48#

FFP = 27.5#

FSIP = 107#

FHP = 1559#

BHT = 112 deg F

Rec:

5' Mud w/Show of free oil in tool

DST #2**Arbuckle**

3244' - 3263' corrected

15-30-15-30

IHP = 1623#

IFP = 182#

ISIP = 1104#

FFP = 923#

FSIP = 1103#

FHP = 1547#

BHT = 116 deg F

Rec:

1633' SO&GCMW (3% oil)
315' MW**DST #3****KC H zone (straddle)**

3016' - 3066' corrected

30-30-30-30

IHP = 1516#

IFP = 36#

ISIP = 720#

FFP = 189#

FSIP = 721#

FHP = 1468#

BHT = 109 deg F

Rec:

736' GJP
272' SOSMW (80% W w/o spks)

'1948' DST

Lansing G zone
2979' - 2983'

Rec:

270' W

OPEN HOLE LOGS

Logging Company: Pioneer Energy Services
 Logging Engineer: C. Desaire
 Truck #: 17
 Logging Date: 6/3/2014
 # Logs Run: 3
 Time Spent: 3.5
 # Logs Run Successful: 3

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DCP	2700.00ft	3302.00ft	0.00		1
DI	150.00ft	3323.00ft	0.00		1
MicroRes	2700.00ft	3323.00ft	0.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
6/18/2014	0.00ft	0.00ft	

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing					
Int Casing					
Prod Casing	5.5 in	3320 ft	LS 14#	79	6/16/2014 10:00 AM

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

ROCK TYPES

 Coal	 Lmst fw<7	 Shgy	 Ool grnst
 Congl	 Lmst fw>7	 Shblk	 Lscong
 Dolprim	 Mrlstdol	 Shcol	

ACCESSORIES

MINERAL	FOSSIL	STRINGER
∩ Glauconite	○ Oolites	■ Sandstone
P Pyrite		■ Shale
⊞ Chert nodules		
△ Chert White		

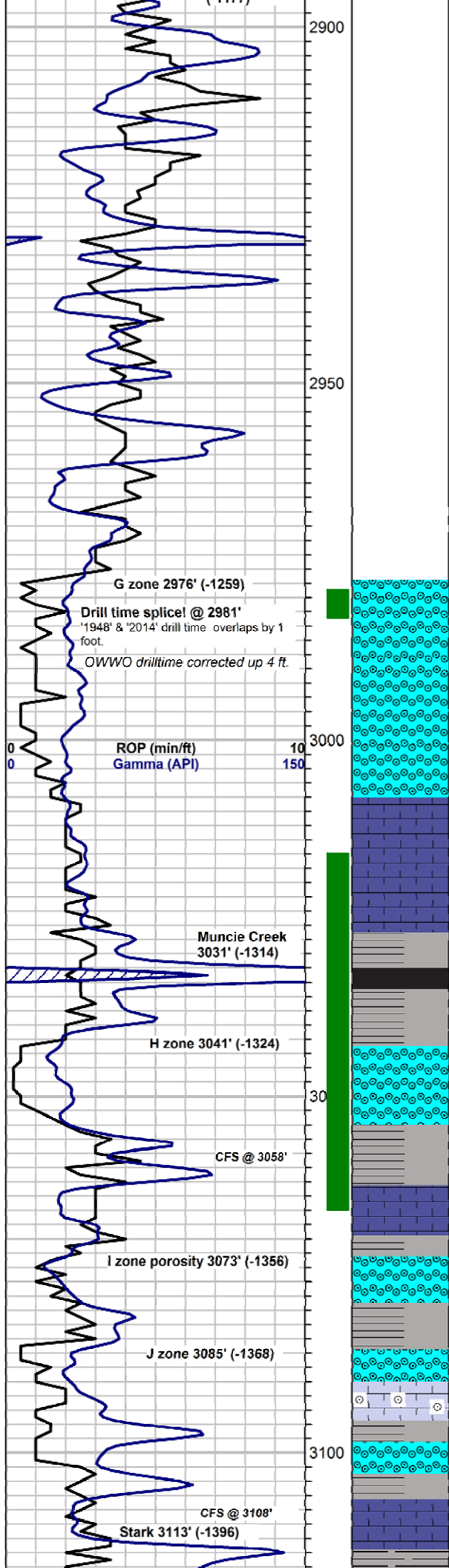
OTHER SYMBOLS

OIL SHOWS

- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence



Depth In Cored Interval DST Interval	Interpretation	Oil Shows	Geological Descriptions	Comment	Vertical C
<p>1:240 Imperial</p> <p>ROP (min/ft)</p> <p>Gamma (API)</p> <p>Heebner 2747' (-1030)</p> <p>Toronto 2769' (-1052)</p> <p>Douglas 2780' (-1063)</p> <p>Start of '1948' Drill time @ 2799'; corrected up two feet from original.</p> <p>Brwn Lm 2869' (-1152)</p> <p>Lansing 2894' (-1177)</p>					



Note: Samples lagged approx. 10 ft. up-hole due to unusually long bottoms up time. Sample intervals are as caught.

2984-90': Shale & pyrite, hole slough. Sample of no value.

2990-95': Shale & pyrite as abv. Hole slough, sample no value.

2995'-3000': Hole slough as abv. Sample no value.

3000'-05': Slough, sample no value.

3005'-10': Slough, sample no value.

3010'-20': Slough, sample no value.

3020'-30': 95% shale & pyrite as abv. a few pcs tite lms, no vis por. 1 pc ool lms, tite, no vis por. Sample mst slough, vry pr quality

3030'-40': Lms, tan, vfn xtn, sft-med res, oomldc vugular, pr-fr vugular por, fr-gd intr xtn por. sli-fr lt brwn stn, sli grsy lstr. 1 pc w/hvy drk brwn stn. VSSG, poss trc vry lt FO. Pr quality sample.

3040'-50': Lms, mstly gry-tan, micro-vfn xtn, tite, med-hrd res, no vis por. Several pcs lms tan oomldc vugular, vfn xtn, med-hrd res, fr lt brwn stn, some pcs fr-gd vugular por. SSG, SSFO. fr shw FO in hrd tite pcs w/sprs vugs & por intrxtn por. Mst hrd, por pr & SSFO. sli odr.

3050'-58': Lms, tan-lt brwn, vfn-fn xtn, abndtly oomldc vugular, brtl-med res, fr-gd por, fr lt brwn stn, fr shw rainbow oil on brk, trc drpits rainbow FO. SSG on brk. Vry sli odr. Sample quality still pr, mstl shale & pyrite.

3058'-70': Lms, tan-lt gry. Mst micro xtn, med-hrd res, non ool/oomldc w/no vis por. Some oomldc pcs becoming tighter, losing por. Some vry lt stn in these pcs. Several pcs as abv. gd por, gd sat & stn w/fr-gd grsy lstr & rainbow shw oil. Fr odr. 1 pc abndt drpits clr/rainbow oil vis under UV light.

3070'-80': Lms, tan-brwn, micro xtn, some sft-med res, sli chlky, mst med-hrd res, tite, few-no vis allochems, no vis por. Many pcs oomldc lms from abv w/sli-fr sat & stn, grsy lstr & sli rainbow shw oil. Sli odr. 80% porous pcs have sat.

3080'-90': Lms, tan-brwn, micro xtn, tite, as abv. Several pcs oomldc vugular lms, w/pr-gd por, sli-gd sat & a few w/gd drk blk stn in intr xtn por, sli-fr grsy lstr & sli shw rainbow oil. Sli odr.

3090'-3100': Lms tan-lt gry micro xtn, tite as abv. Many pcs lms, tan, vfn xtn, sli oomldc vugular, med res, pr-fr intr xtn & vuggy por. Fr-gd shw rainbow oil on brk, trc lt brwn FO, sli odr. Far fewer vugs & tighter intr xtn matrix than H zone samples, possible new zone.

3100'-3108': Lms, crm-tan/lt brwn, fn xtn, med res, ool/oomldc vugular, mst pcs partially dissolved ooids, pr vugular por. lt brwn even stn mst pcs, VSSG, sli shw rainbow oil on brk, sli odr.

3108'-3120': Lms, tan-brwn, vfn-fn xtn, sft-med res, Oomldc vugular, fr-gd vugular & intr xtn por. A few pcs w/gd-vry gd even sat & stn, gd grsy/rainbow lstr, gd shw rainbow oil. 1 pc bleeding gas upon brk, SSG overall. Fr sply dull yell/grn fluor, increased to 10-15% pcs, sli odr. Increase in drk blk lv stn. 1 pc w/trc brwn drpits FO. Maybe 2nd shw from lower J zn porosity? Mst pcs non-oomldc tite, no vis por as abv.

3120'-30': Lms, off wht-crm, micro-vfn xtn, abndtly ool & non oomldc, some abndtly oomldc w/fr-gd vugular por. NS. Several pcs lms tan, oomldc, pr fr

CFS @ 3058' 15 min: Lms, tan-lt brwn, vfn xtn, fryl oomldc vugular, med-hrd res, fr vugular & pr intr xtn por. sli-fr brwn stn & sat. VSSG.

CFS @ 3058' 30 min: Lms, lt brwn, vfn xtn, brtl-med res, oomldc fr-gd vugular por, fr-vry gd intr xtn por. Several pcs w/fr-gd even lt brwn stn & sat, fr-gd shw rainbow oil on brk. SSG. A few pcs w/gd drk brwn stn in intr xtn por. Sli odr, fr even dull yell fluor. Many pcs have vry gd overall por w/stn.

CFS @ 3058' 45 min: Lms, tan-brwn, vfn xtn, brtl-crmly res. Some sucrosic, Fr-abndtly oomldc vugular, gd-vry gd por, gd brwn stn & full sat, gd shw grsy lstr & gd shw rainbow oil on brk. Trc lt brwn FO, SSG on brk, fr odr, gd, brt, even yell/wht fluor. Zone looks promising. 1 pc w/poss barren por. 99% porosity has shw. Mny pcs lms tan-gry, micro xtn, tite, no vis por. Base of zone.

CFS 3108' 15 min: Lms, crm-brwn, vfn xtn, sft-med res, oomldc, fr-gd vugular por. Approx 50% pcs look barren, rest fr lt brwn stn & sli grsy lstr. SSG, vry sli shw rainbow oil on brk. fr even, dull yell fluor, vry sli odr. A couple pcs w/gd drk even sat & stn.

CFS @ 3108' 30 min: Lms, brwn, vfn-fn xtn, brtl-med res, ool, sli oomldc vugular/sli odr. A few pcs w/ gd drk brwn even stn & grsy sat, Gd shw rainbow oil on brk, SSG, pr vugular & fr intr xtn por. sli odr. Several pcs w/gd oomldc vugular por, barnat. Increase in dns, tite gry-tan fn xtn lms w/no vis por.

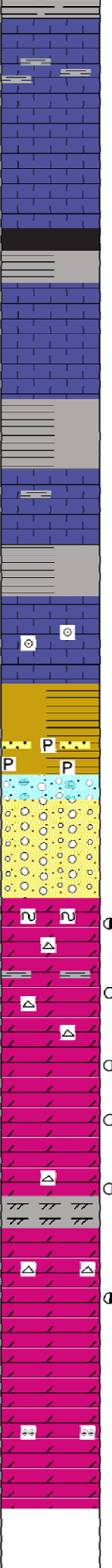
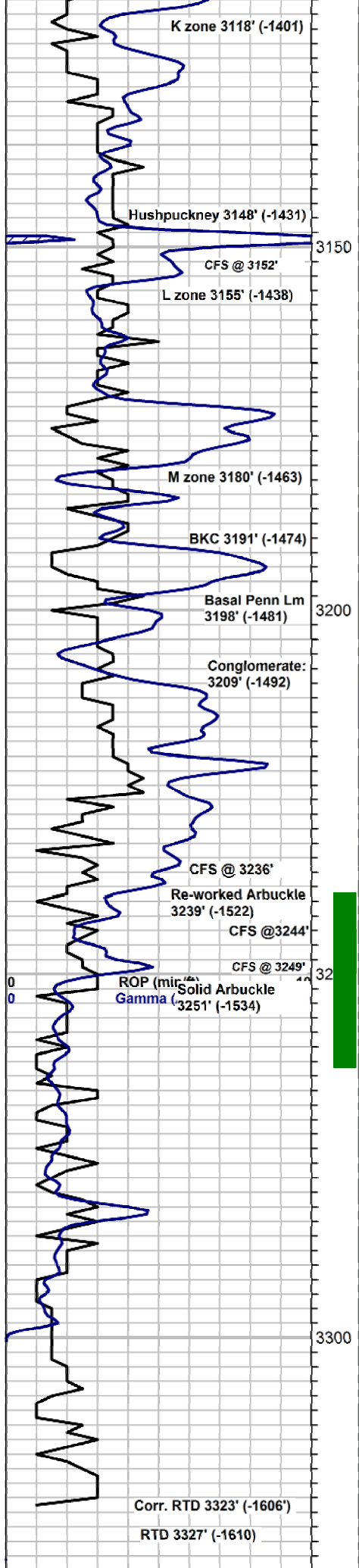
CFS @ 3108' 45 min: Lms, mstly, gry-tan, micro xtn, hrd res, no vis por, a few sli ool. A few pcs oomldc lms as abv. Some w/fr, lt even stn & sat, SSG & sli shw rainbow oil as abv. A couple pcs w/drk brwn lt oily stn in vugs. 1 pc w/trc lt brwn FO on brk. Some w/barren por. Sli odr. Mstly mineral fluor. losing por.

CFS @ 3108' 60 min: Lms mstly tan-gry micro xtn, no vis por as abv. A few pcs lms, lt brwn, oomldc vugular, w/pr-fr vugular & intr xtn, por. Fr-gd grsy/rainbow lstr, some w/drk lv stn in vugs. 1 pc hvly drk oil sat but vry hrd res, vry pr por. Sli odr. Could possibly be 2 separate J zn porosity benches.

CFS @ 3152' 15 min: Lms, tan-gry, micro-vfn xtn, med-hrd res, some ool to ool/semi-oomldc, many non-oomldc vugular only sli ool, pr-no vis por. Mst pcs NS. A few abndtly ool & semi-oomldc pcs w/sli to gd stn & sat. Fr odr on brk, pr por

CFS @ 3236': Conglomeritic section. Trc colored shaley lms, no vis por, prpl shale, blk, sndy/shaley/lmy conglm, prytized & hrd res. Trc clst pyritic SS, fn ang grains, hrd res, pr-no vis por. Shaley lms, pink-

Sample quality very poor
Sample quality very poor
Sample quality very poor



abndtly oomldc w/abndtly vugular por. NS. Several pcs lms tan, oomldc, pr-fr por, w/sli-fr stn & sat, fr grsy lstr & rainbow oil, trc brwn drpits FO on brk 1 pcs. sli odr in sample.

3130'-40': Lms, off wht-frm abndtly oomldc vugular, mst fr-gd barren vugular por, pr intr xtn por, a few pcs w/fr scat blk lv stn in vugs, fr-gd shw grsy lstr & rainbow oil on brk. fr odr on brk w/SSG. Some ool, non vuggy lms as abv. Trc blk carb shale.

3140'-50': Lms, tan-gry, micro-vfn xtn, med-hrd res, sli ool, some semi-oomldc, mst pr-fr por. 1 pc abndtly oomldc lms gd por, w/vry gd drk brwn stn & sat, trc FO on brk, fr odr on brk, from up hole? Mst pcs NS.

3150'-60': Lms, gry, micro xtn, hrd res, sli ool, fr blk lv stn in scat non oomldc vugs & fractures. A few pcs tan-lt gry, fn-med xtn, calcitic lms, w/fr lt lv stn & SSFO & SSG on brk. Mst pcs tan-lt gry, sli ool to semi-oomldc, sli foss, hrd res pr-no vis por & NS.

3160'-70': Lms, brwn-lt gry micro-vfn xtn, mst non allochemical w/ pr-no vis por. Several pcs sli ool/oomldc vugular w/pr-vry pr por. 1 pc gry oomldc vugular lms w/gd vugular por & fr intr xtn por, FSFO on brk.

3170'-80': Lms gry, micr-vfn xtn, med-hrd res, sli foss, trc blk dead stn in foss & frac por. pr-no vis por. A few pcs micro xtn ool lms, non vuggy & no vis por.

3180'-90': Lms gry, vfn-fn xtn, med-hrd res, sli foss, pr-no vis por. Some xtn pyrite & increase in shale.

3190'-3200': Lms, tan, micro-vfn xtn, med res, some pcs ool & foss. Mst pr-no vis por. Trc blk carb shale. Some gry shale.

3200'-10': Lms, gry, some tan, micro xtn, med-hrd res, no vis por, few- no allochems. Also a few pcs oomldc vugular lms w/NS. Fr por. Increase in gry shales.

3210'-20': Lms, crm-lt gry, micro-vfn xtn, med res. Many pcs sli-frty oomldc vugular, pr-fr vugular por, pr matrix por, NS. Much shale, gry-drk gry, gry/grn & maroon

3220'-30': Mstly lms, tan-gry, vfn xtn, some ool to oomldc vugular, NS. Mst pcs tite, no vis por. Also shale, gry, grn, maroon, as abv.

3230'-40': Lms lt gry micro xtn, non allochemical, no vis por. Also much lms crm, ool/semi-oomldc, trc-sli foss, hrd res, pr-no vis por. Trc off wht foss chrt, sli weathered & frsh. A few pcs lms lt gry, vfn xtn, w/drck grn glauc inclusions/attachments, no vis por.

Arbuckle samples unlagged. Multiple circulations.

3240'-44': Dolo, lt gry fn xtn, med res, gd grsy lstr, SSFO & sli bubbles gas on brk. Sply brwn oil stn in prnpt intr xtn por. Pr-fr intr xtn por.

3244'-49': Dolo, tan, vfn xtn, fr intr xtn por, NS. 1 pc Dolo, off wht w/abndt clay matrix btwn rhombs, glaucitic, SSG & trc rainbow oil on break. Pr quality sample.

3249'-54': Dolo, off wht, vfn xtn, med res, sli vuggy, intr xtn dissolution vugs, lt brwn stn in vugs, fr shw rainbow oil on brk, trc gas. Also sli ool dolo, lt gry, md med ooids, fr lv drk stn in intr ool por, med-hrd res, sli shw rainbow oil on brk, sli odr, scat, wk vry dull yell fluor. Overall pr intr xtn por. Several pcs w/fr-gd intr xtn & fr vugular por, w/gd brwn stn in vugs, found in dry sample. Still scat, uneven vry lt stn, in mst pcs. Some improvemnt in porosity.

3254'-64': Much shale & lms from uphole. Several pcs dolo w/fr-gd even yell fluor. 1 pc brwn med xtn, well sat, sft & semi crmbly on brk, gd intr xtn por. 1 pc brwn ool dolo, fn xtn, med res, VSS rainbow oil & trc gas on brk. Mst pcs off wht-frm fn xtn med-hrd res, sli shw rainbow oil on brk. Pr-fr vis por.

3264'-67': Dolo, tan-brwn, fn xtn, hrd res, sli siliceous, pr vis pr. Vry lt stn & sat NSFO, vry sli odr. 1 pc brwn dolo, fn xtn, sft-med res w/gd stn & sat, fr shw rainbow oil on brk & odr.

3270'-80': Dolo, tan-brwn, vfn-med xtn, many w/abndt rhombic xtl clstrs of various sizes, evidence of lgr vugs in these pcs, med-hrd res, pr-fr intr xtn pr. fr-gd stn & sat in about 30% pcs.

3280'-90': Dolo, tan, vfn-fn xtn, about half of pcs chky, fn xtn, med res, pr-no vis por & NS. 25-30% pcs w/fr intr xtn por, vuggy & gd stn as abv. Several pcs chrt, off-wht to gry, shrp & frsh. Sample poor quality, vry much vari-colored shale.

3390'-3300': Dolo, lt brwn-gry, vfn xtn, med-hrd res, sli siliceous, some sli-ool, mst tite w/pr-no vis por. Only sprs scat shallow vugs, some w/scat uneven lt brwn-blk stn. Losina show

3300'-10': Dolo, tan, vfn-fn xtn, sft-med res, sli chky/shaley, vry pr-no vis intr xtn por. Non vuggy, several pcs chrt, wht-lt gry, some abndtly ool. A few pcs tan dolomitic shale to shaley dolomite w/no vis por, chky w/flash of strg effervescence. Some fn xtn w/sli glauc matrix. NS.

3310'-20': Dolo, brwn, vfn-fn xtn, med res, a few pcs w/many rnd oomldc looking vugs, fr-gd brwn uneven stn & sat. several pcs w/fr-gd intr xtn por, & evidence of lgr vugs. Appears to be a "wash" of pcs w/porosity & sat. Abv sample noted no show. **This sample approximately lags back to the drilling break @ 3292'.** Many pcs tite dolo, as abv. Trc blk/pnk mottled sli weathered chrt.

RTD sample 3327' (3323') cir for 60 min: Dolo, gry, brwn-tan, vfn xtn, hrd res, Mst pcs pr-no vis por. Some sli shaley/chky. 1 pc xtn dolo w/brwn dolomitic looking shale attached. A couple pcs chrt dolo w/chrt attached. A few pcs w/scat uneven stn & sat in scat, sprs intr xtn por. Mst pcs quite tite.

CFS @ 3244' 15 min: Shale, prpl, gry, grn, maroon. Dolo, crm, vfn xtn, sli siliceous, hrd res, pr-no vis por. Trc gas bubbles on brk. 1 pc brl-med res FSFO. Mst pcs vry pr por. Sli odr in sample.

CFS @ 3244' 30 min: Congl/wrtc shale & varicolored chrt, shrp & frsh. Also dolo, crm-lt gry, vfn-med xtn, brl-med res, sli odr in sample. Overall vry pr shw.

CFS @ 3244' 45 min: Dolo, lt gry-tan, fn xtn, med-hrd res, trc FO on brk, sli odr, fr uneven sply stn in approx 50% pcs, pr-fr intr xtn por.

CFS @ 3244' 60 min: Dolo, crm-lt prk, vfn xtn, med-hrd res, pr vis por, wk scat drk edge stn, VSSFO, sli odr. Sprs, sply edge stn in dry samples. Pr vis intr xtn por, mst pcs

CFS @ 3249' 15 min: Dolo, crm-tan fn xtn, hrd res, sli siliceous, pr vis por. 1 pc w/stk lv brwn stn in intr xtn por, med res, trc lt brwn FO on brk, Trc gas.

CFS @ 3249' 30 min: Dolo, tan-lt gry/grn sli glauc, fn xtn, med res, fr-gd intr xtn por, sli shw rainbow oil on brk. 1 pc brwn ool dolo, vfn xtn, pr-fr vis por, vgd drk brwn stn & sat. Slow building effrvscnc. Sli odr. Fr uneven brwn stn & sat in approx 25% pcs, pr-fr intr xtn por.

3249' CFS 45 min: 1 pc dolo lt gry, w/med xtn rhombs, scat drk brk stn in intr xtn por, SSFO from intr xtn por on brk. sli odr. 1 pc sli glauc off wht-lt grn, med xtn, brl-med res, bleeding gas & SSFO on brk. fr uneven brwn stn in intr xtn por, several pcs. Many pcs dolo, fn xtn, seem unsat w/no vis stn in wet samples.

CFS @ 3249' 60 min: Dolo, lt gry-crm, fn xtn, med res, some semi-sucrosic, rare sply lv stn in prnpt por. Pr-fr intr xtn por, trc rainbow oil & gas in a few pcs, Lt brwn uneven stn in about 70% dolo pcs.

CFS @ 3254' 30 min: Dolo, off wht-frm, mst fn-med xtn, brl-med res, trc rainbow- brwn drpits FO in some pcs. Mst pcs wk, lt scat stn & pr vis intr xtn por. Trc chrt dolo.

CFS @ 3254' 45 min: Dolo, lt brwn-crm, fn-med xtn, fr-gd intr xtn por. Several pcs w/irregular sized rhombs. Sample shws increase in string & poro. Trc pcs brwn sli ool dolo, non vuggy, fn-med xtn, brl/crmbly, 1 pc w/sli shw rainbow oil & gas on brk. Trc dolo chrt/chrt dolo. Drk gry chrt w/off wht vfn xtn dolo attached.

CFS @ 3254' 60 min: Dolo, brwn-lt gry, fn-med rhombic xtn, fr even brwn stn, fr-gd intr xtn por. 1 pc brwn dolo, fn xtn, brl, bleeding gsy rainbow oil on brk. 1 pc brwn sli ool dolo, non vuggy, med-hrd res w/VSSO.

CFS @ 3264' 15 min: Dolo, fn xtn, crm-brwn, med-hrd res, pr-no vis por. 1 pc ool dolo, non vuggy, wk shw as abv. 1 pc brwn dolo, fn xtn, med res, well sat, gd stn, fr shw rainbow oil on brk. Vry sli odr in sample. Vry much shale in sample.

CFS @ 3264' 30 min: Dolo, off wht-brwn fn xtn, mst hrd res, sli siliceous, pr-no shw. 1 pc tan fr xtn, brl/semi-sucrosic pc w/gd even stn & sat, gd shw rainbow oil on brk. Also, wk-no shw. Vry sli odr. Scat wk, dull, yell/grn edge fluor. brwn dolo, fn xtn, med-hrd res, pr-fr sat, sli shw rainbow oil & gas on brk. Mst pcs pr-no vis por & NS

3350

3400

CFS @ 3264' 45 min: 1 pc brwn ool dolo, vfn xtl, w/trc FO, on brk, hrd res, vry pr vis por. A coupl off wht-lt gry fn xtl, brtl/crmbly pcs w/fr-gd intr xtl por & NS. 1 or 2 pcs w/strks drk stn in pnpnt intr xtl por. No odr. Mst pcs NS. 1 pc dolo w/shrp frsh gry chrt attached.

CFS @ 3264' 60 min: Dolo, lt gry- off wht, vfn-fn xtl, brtl/crmbly in a few pcs, mst med- hrd res pr-no vis por. Some pcs w/vry sli trc drpits clr- rainbow oil on brk, vry pr sat, no stn. A couple pcs brwn dolo, no sat, trc- sli shw stn in sprs intr xtl por. NSFO. 1 pc brwn fn xtl, dolo, crmbly, w/gd stn & sat, gd shw rainbow oil on brk, gd intr 1 xtl por, could be from up hole. Chrt off wht, shrp & frsh, some anbdtly ool. No odr in sample. Dry sample shows mst pcs to have vry lt strks of lt brwn uneven stn & fr-gd intr xtl por.

CFS @ 3267' 15 min: Dolo, brwn, vfn xtl, brtl/semi-sucrosic, fr-gd stn & sat, fr shw rainbow drpits oil on brk, SSFO, brwn drpits FO on brk SSG. 1 pc chrty dol/dol chrt, w/fr lt brwn sat & stn, vry hrd res. 1 pc tan dolo fn xtl, pr intr xtl por, fr lt stn & sat, gd shw rainbow oil on brk. Several pcs dol, off wht-tan, vfn xtl, pr-no vis por, & NS.

CFS @ 3267' 30 min: Dolo, lt gry-brwn, fn xtl, med res, a few brtl/sli crmbly, fr sat & lt even stn, sli-fr shw grsy lstr & rainbow on on brk. Better shw than abv! Many pcs tite w/little to no shw. 1 pc vry hrd res w/vry crs irregular vugs. evidence of lrg sized vugs.

CFS @ 3267' 60 min: Dolo, brwn, fn xtl, brtl-med res, fr stn & sat, fr shw rainbow oil & gas on brk, Trc pcs dolo, sli intr xtl vuggy w/drck brwn stn & gd uneven sat. Fluor is more even, dull yell/wht than abv, Fr intr xtl por, mst pcs w/shw. Increase in intr xtl & lrg vugs.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah oil

SEC. 1 - 19 s. - 10 w. / Rice

606 W. ALBRO ST.
CLAFLIN KS.
67525

J. Behnke owwo # 1

Job Ticket: 55285

DST#: 1

ATTN: Seth Everson /Mark C

Test Start: 2014.06.01 @ 16:30:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:36:00

Time Test Ended: 22:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 67

Interval: 3243.00 ft (KB) To 3254.00 ft (KB) (TVD)

Reference Elevations: 1717.00 ft (KB)

Total Depth: 3254.00 ft (KB) (TVD)

1712.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8679

Inside

Press @ Run Depth: 27.56 psig @ 3245.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.01

End Date: 2014.06.01

Last Calib.: 1899.12.30

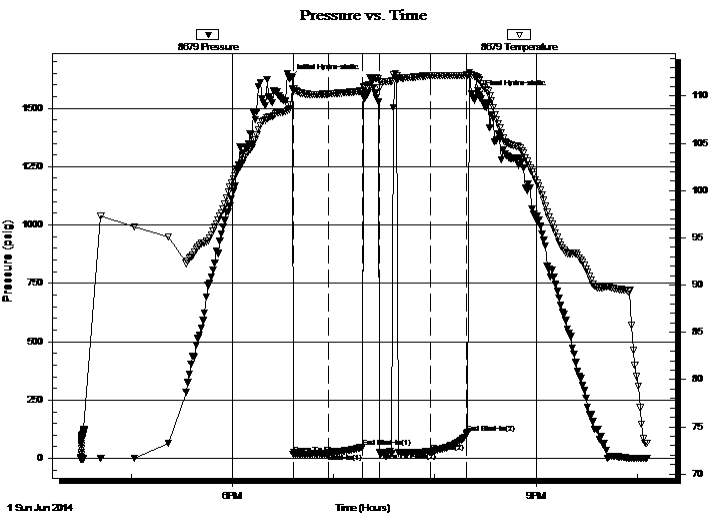
Start Time: 16:30:01

End Time: 22:05:30

Time On Btm: 2014.06.01 @ 18:34:00

Time Off Btm: 2014.06.01 @ 20:26:00

TEST COMMENT: I.F. - 20 - W.S.B. BUILT TO (1/4" IN 20 MIN.)
I.S.I. - 20 - NO B.B. (FLUSHED TOOL)
F.F. - 30 - NO BLOW (FLUSHED TOOL STILL NO BLOW)
F.S.I. - 25 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.13	108.67	Initial Hydro-static
2	17.05	110.75	Open To Flow (1)
23	19.95	110.23	Shut-In(1)
43	47.77	110.53	End Shut-In(1)
53	24.66	110.86	Open To Flow (2)
83	27.56	112.17	Shut-In(2)
105	106.60	112.22	End Shut-In(2)
112	1559.23	111.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD (SHOW OF FREE OIL IN TOOL)	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah oil

SEC. 1 - 19 s. - 10 w. / Rice

606 W. ALBRO ST.
CLAFLIN KS.
67525

J. Behnke owwo # 1

Job Ticket: 55285

DST#: 1

ATTN: Seth Everson /Mark C

Test Start: 2014.06.01 @ 16:30:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD (SHOW OF FREE OIL IN TOOL)	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 #: 8679

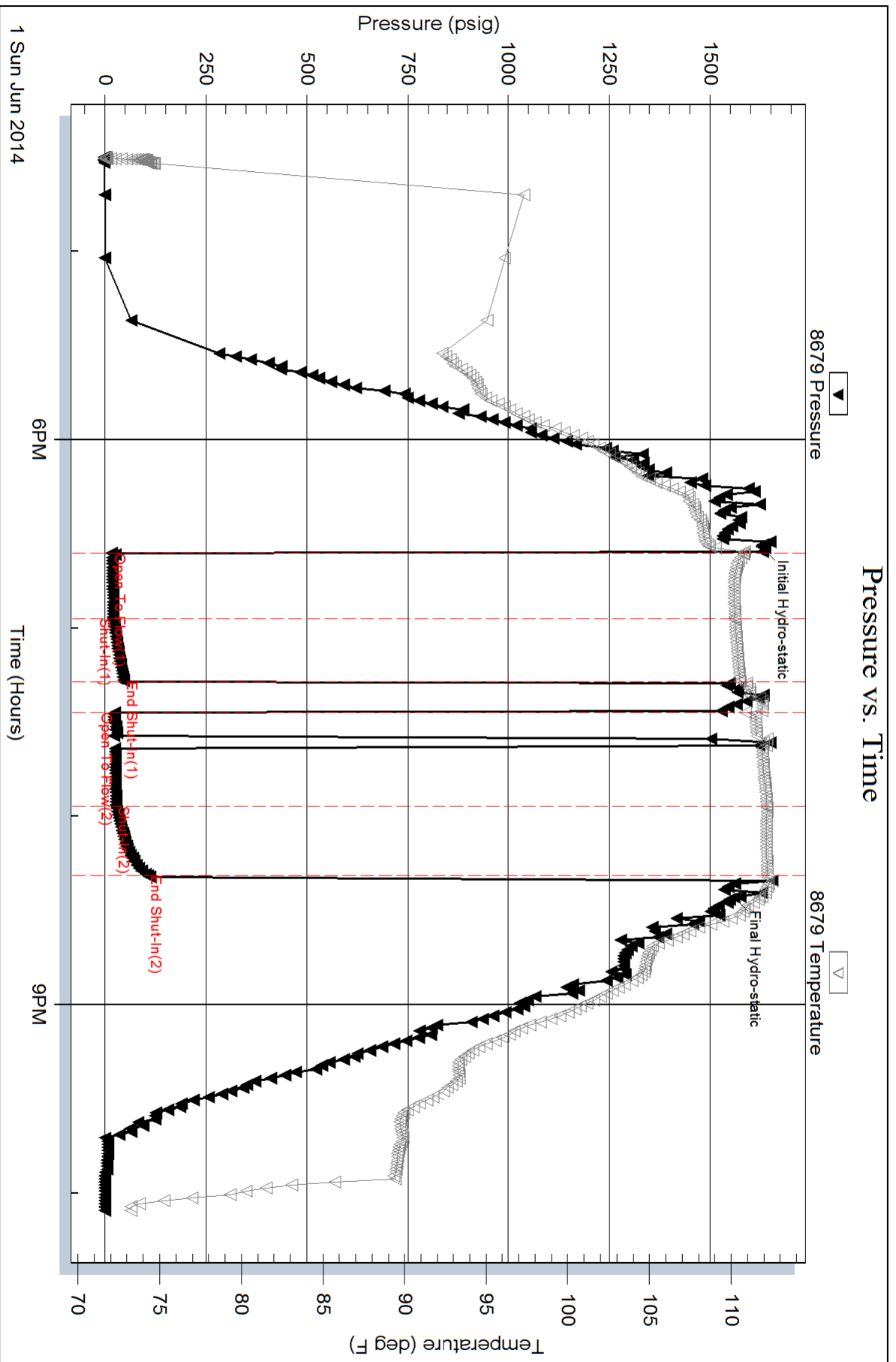
Inside

Darrah oil

J. Behnke ow w o # 1

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 55285

Printed: 2014.06.02 @ 04:28:14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah oil

SEC. 1 - 19 s. - 10 w. / Rice

606 W. ALBRO ST.
CLAFLIN KS.
67525

J. Behnke owwo # 1

Job Ticket: 55286

DST#: 2

ATTN: Seth Everson /Mark C

Test Start: 2014.06.02 @ 07:15:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:36:30

Time Test Ended: 13:24:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 67

Interval: 3248.00 ft (KB) To 3267.00 ft (KB) (TVD)

Reference Elevations: 1717.00 ft (KB)

Total Depth: 3267.00 ft (KB) (TVD)

1712.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8679

Inside

Press @ Run Depth: 922.80 psig @ 3253.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.02

End Date:

2014.06.02

Last Calib.: 1899.12.30

Start Time: 07:15:01

End Time:

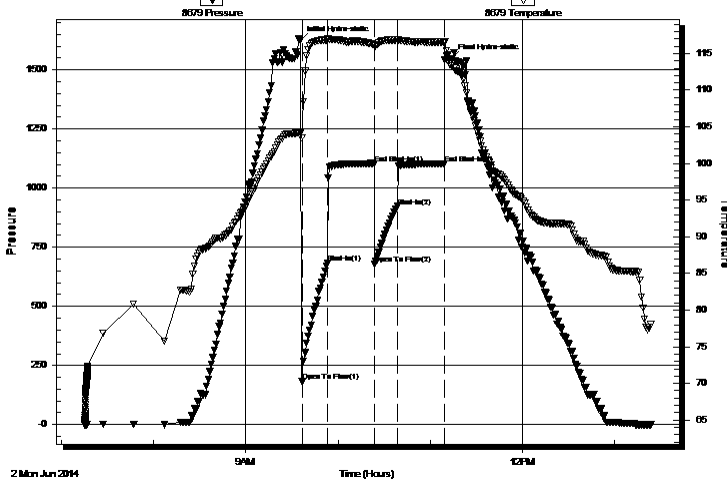
13:24:00

Time On Btm: 2014.06.02 @ 09:35:30

Time Off Btm: 2014.06.02 @ 11:13:30

TEST COMMENT: I.F. - 15 - 3/4" INT. BLOW BUILT TO B.O.B. IN 1 MIN.
I.S.I. - 30 - NO B.B.
F.F. - 15 - 3/4" INT. BLOW BUILT TO B.O.B. IN 1 MIN.
F.S.I. - 30 - NO B.B.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.90	104.11	Initial Hydro-static
1	181.83	103.54	Open To Flow (1)
18	681.83	116.84	Shut-In(1)
48	1103.74	116.22	End Shut-In(1)
49	678.86	116.08	Open To Flow (2)
63	922.80	116.81	Shut-In(2)
94	1103.00	116.49	End Shut-In(2)
98	1546.96	113.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	M,W,	2.12
1633.00	S,O,C,G,C,M,W, 3%O 5%G 5%M 87%W	22.91

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah oil

SEC. 1 - 19 s. - 10 w. / Rice

606 W. ALBRO ST.
CLAFLIN KS.
67525

J. Behnke owwo # 1

Job Ticket: 55286

DST#: 2

ATTN: Seth Everson /Mark C

Test Start: 2014.06.02 @ 07:15:00

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:

20000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 15000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	M,W,	2.123
1633.00	S,O,C,G,C,M,W, 3%O 5%G 5%M 87%W	22.907

Total Length: 1948.00 ft Total Volume: 25.030 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

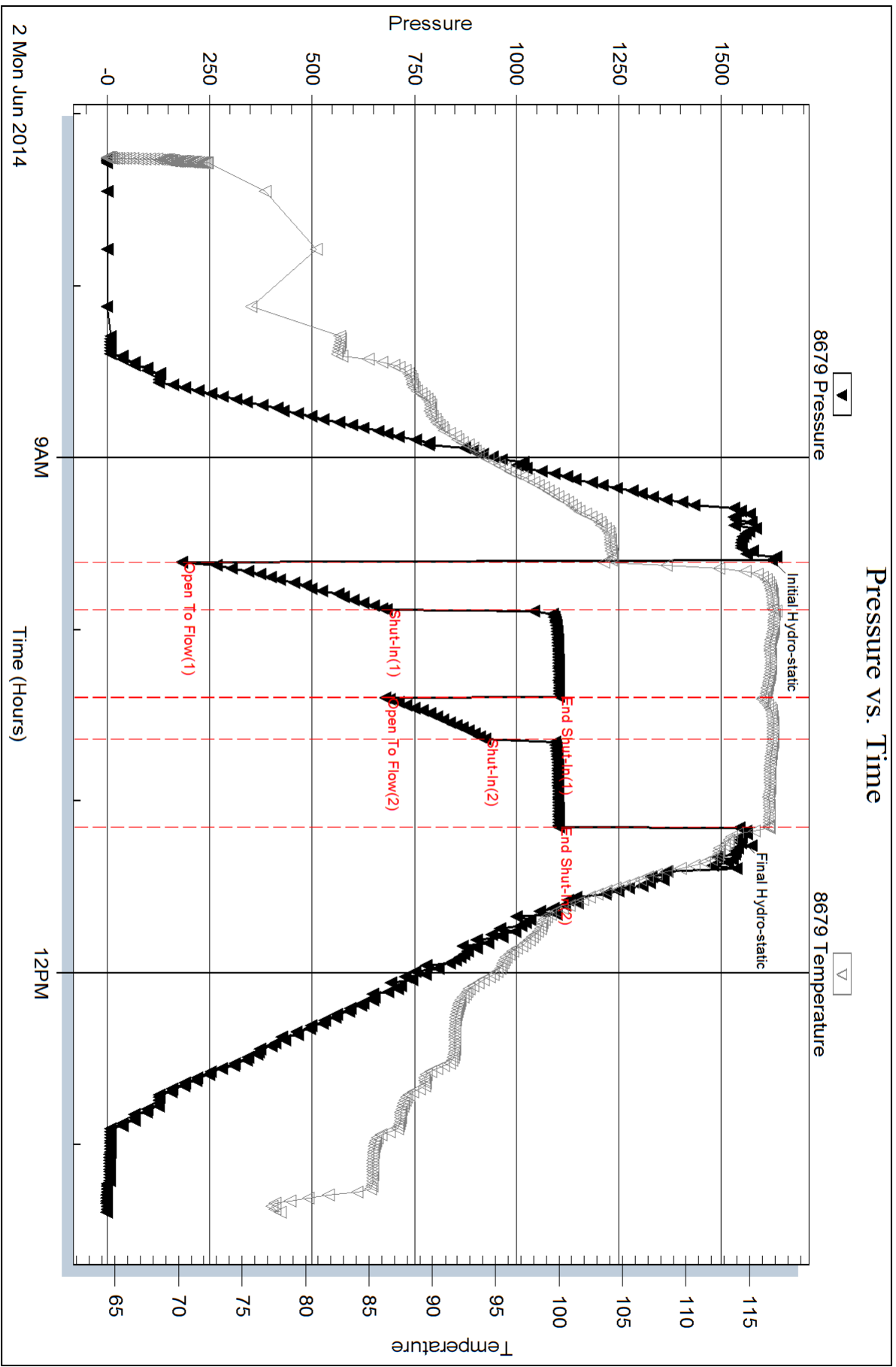
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: R.W = .25 OHMS @ 93 DEG.

CHLORIDES = 20,000 P.P.M.





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah oil
 606 W. ALBRO ST.
 CLAFLIN KS.
 67525
 ATTN: Seth Everson /Mark C

SEC. 1 - 19 s. - 10 w. / Rice

J. Behnke owwo # 1

Job Ticket: 55287 **DST#: 3**

Test Start: 2014.06.02 @ 14:50:00

GENERAL INFORMATION:

Formation: **KC. - "H"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 16:43:30 Tester: Bob Hamel
 Time Test Ended: 21:03:00 Unit No: 67
 Interval: **3020.00 ft (KB) To 3070.00 ft (KB) (TVD)** Reference Elevations: 1717.00 ft (KB)
 Total Depth: 3267.00 ft (KB) (TVD) 1712.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

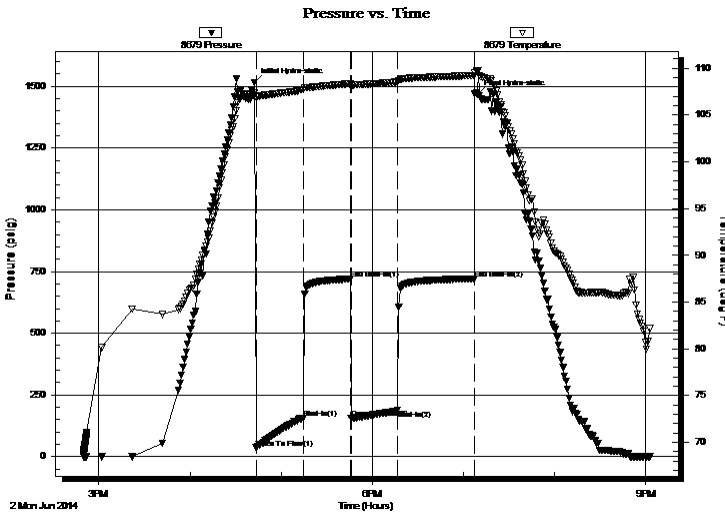
Serial #: 8679

Outside

Press @ RunDepth: 189.37 psig @ 3058.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.02 End Date: 2014.06.02 Last Calib.: 2014.06.02
 Start Time: 14:50:01 End Time: 21:03:00 Time On Btm: 2014.06.02 @ 16:42:30
 Time Off Btm: 2014.06.02 @ 19:09:00

TEST COMMENT: I.F. - 30 - 1/4" INT BLOW BUILT TO (B.O.B. IN 18 MIN.)
 I.S.I. - 30 - NO B.B.
 F.F. - 30 - W.S.B. STARTED @ 1 MIN. BUILT TO (B.O.B. IN 27 MIN.)
 F.S.I. - 30 - NO B.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1515.59	107.34	Initial Hydro-static
1	35.75	106.94	Open To Flow (1)
32	154.73	107.74	Shut-In(1)
63	720.03	108.39	End Shut-In(1)
64	156.90	107.97	Open To Flow (2)
94	189.37	108.55	Shut-In(2)
145	720.81	109.23	End Shut-In(2)
147	1467.72	109.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
272.00	S,O,S,M,W, 20%M 80%W (FEW OIL SPE) 1.52	
0.00	736' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah oil
606 W. ALBRO ST.
CLAFLIN KS.
67525
ATTN: Seth Everson /Mark C

SEC. 1 - 19 s. - 10 w. / Rice

J. Behnke owwo # 1

Job Ticket: 55287

DST#: 3

Test Start: 2014.06.02 @ 14:50:00

GENERAL INFORMATION:

Formation: **KC. - "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:43:30

Time Test Ended: 21:03:00

Test Type: Conventional Straddle (Reset)

Tester: Bob Hamel

Unit No: 67

Interval: 3020.00 ft (KB) To 3070.00 ft (KB) (TVD)

Reference Elevations: 1717.00 ft (KB)

Total Depth: 3267.00 ft (KB) (TVD)

1712.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8319 Below (Straddle)

Press @ Run Depth: psig @ 3072.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.02

End Date:

2014.06.02

Last Calib.:

2014.06.02

Start Time: 14:50:01

End Time:

20:47:30

Time On Btm:

Time Off Btm:

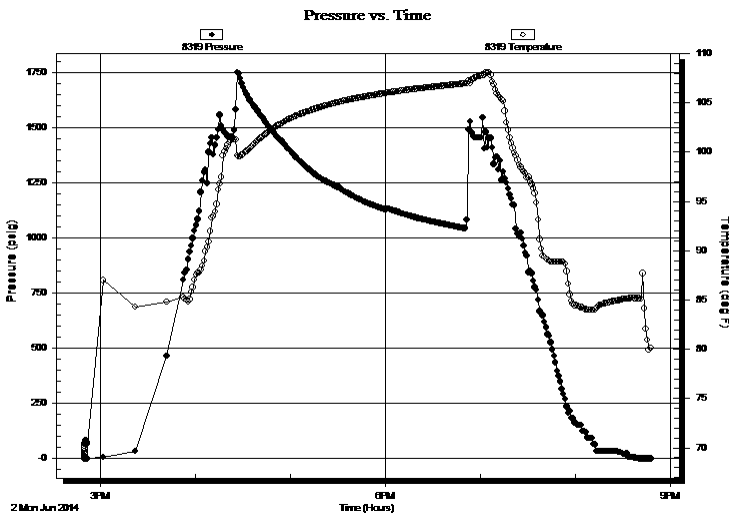
TEST COMMENT: I.F. - 30 - 1/4" INT BLOW BUILT TO (B.O.B. IN 18 MIN.)

I.S.I. - 30 - NO B.B.

F.F. - 30 - W.S.B. STARTED @ 1 MIN. BUILT TO (B.O.B. IN 27 MIN.)

F.S.I. - 30 - NO B.B.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
272.00	S,O,S,M,W, 20%M 80%W (FEW OIL SPE) 1.52	
0.00	736' G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah oil

SEC. 1 - 19 s. - 10 w. / Rice

606 W. ALBRO ST.
CLAFLIN KS.
67525

J. Behnke owwo # 1

Job Ticket: 55287

DST#: 3

ATTN: Seth Everson /Mark C

Test Start: 2014.06.02 @ 14:50:00

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 34000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
272.00	S,O,S,M,W, 20%M 80%W (FEW OIL SPECS)	1.520
0.00	736' G.I.P.	0.000

Total Length: 272.00 ft Total Volume: 1.520 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: R.W. = .12 @ 78 DEG.

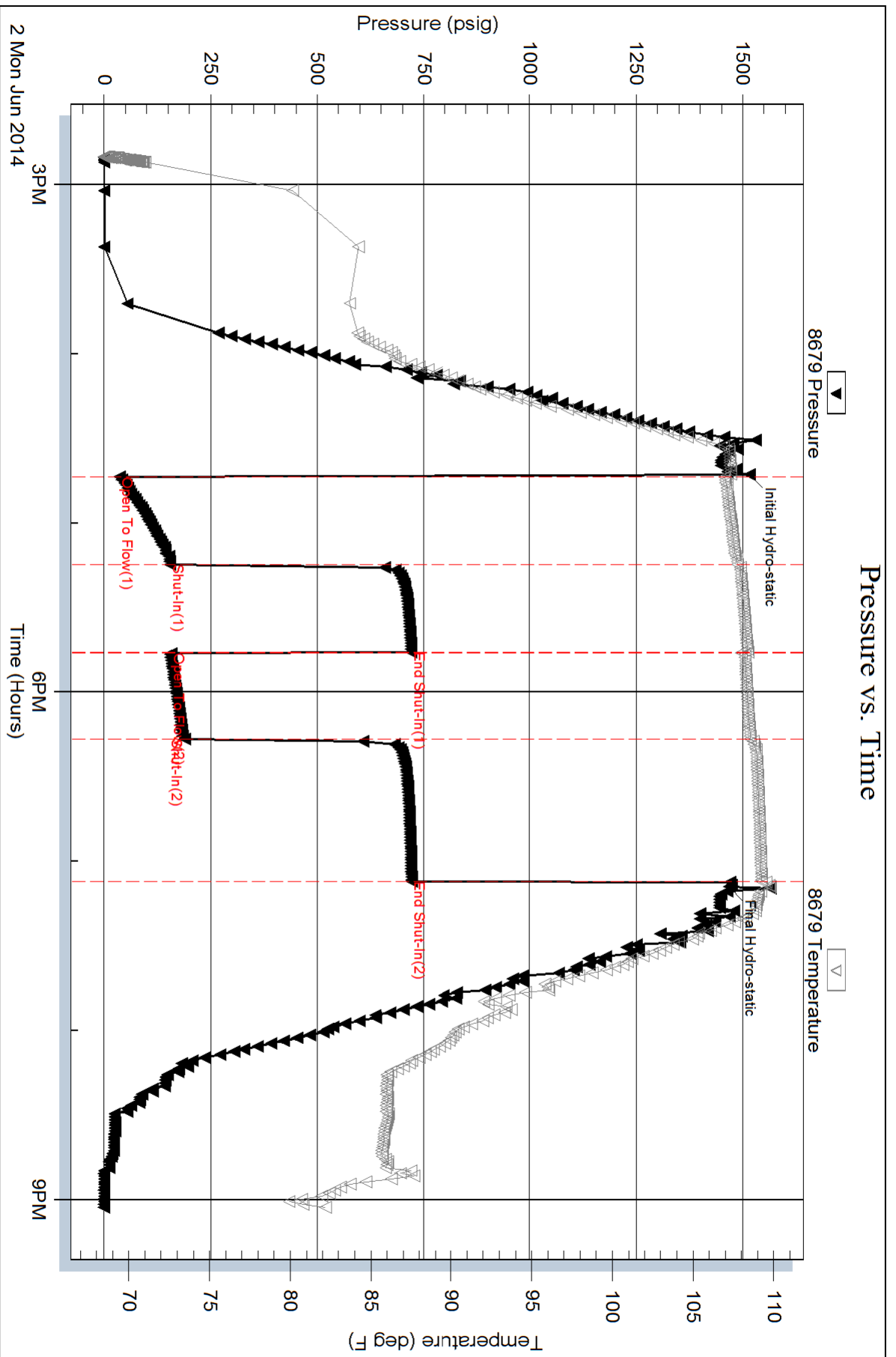
CHLORIDES = 59,000 P.P.M.

Serial #: 8679

Outside Darrah oil

J. Behnke ow w o # 1

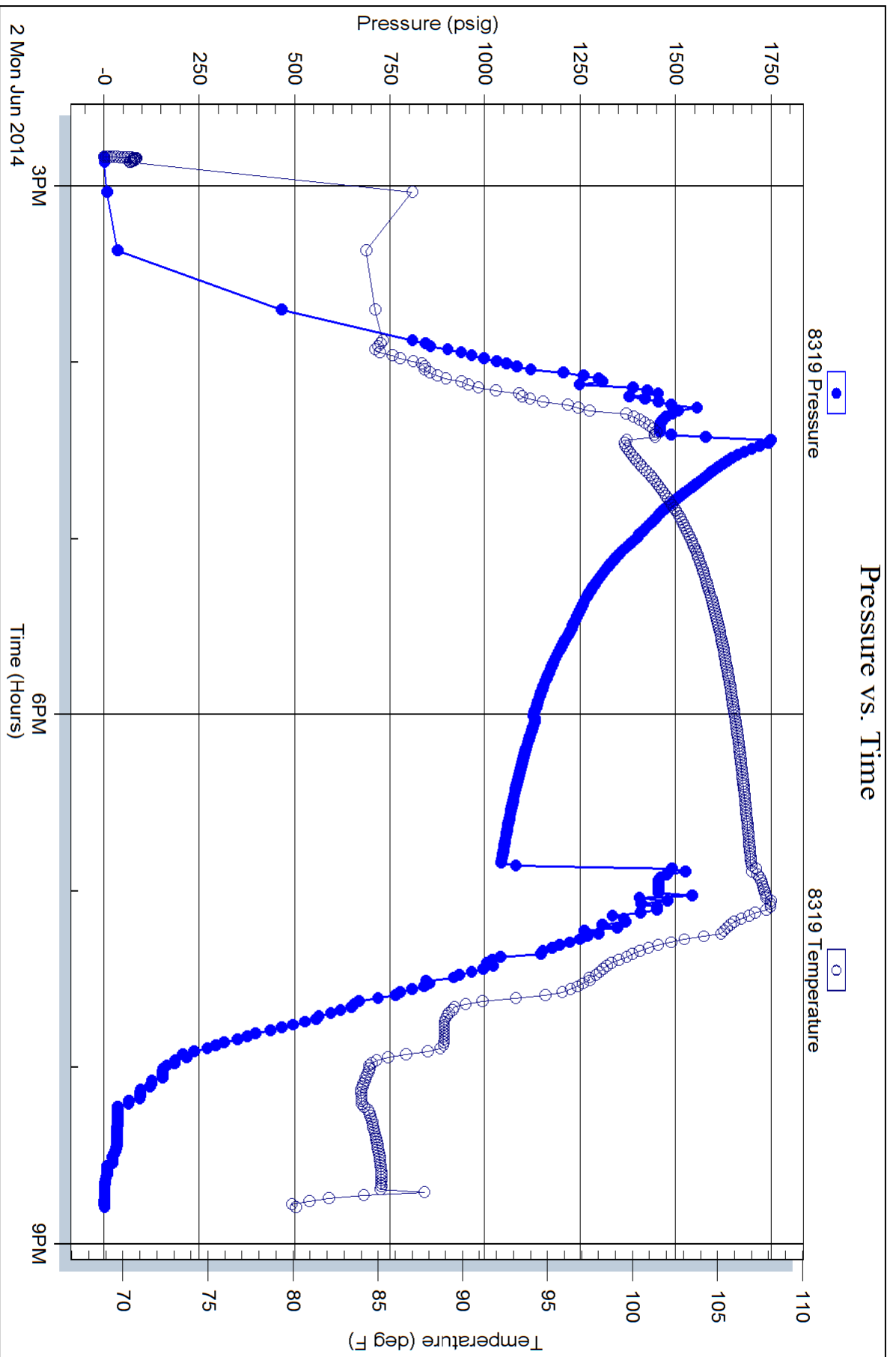
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 55287

Printed: 2014.06.02 @ 23:10:45





CHARGE TO: Mark Connell John J Darrah
 ADDRESS: 606 W Albro St.
 CITY, STATE, ZIP CODE: Chaffin ks 67525 Wichita ks

TICKET 26655

PAGE 1 OF 2

SERVICE LOCATIONS 1. Hays ks WELL/PROJECT NO. 1 LEASE Behalke COUNTY/PARISH Rice STATE KS CITY DATE 6-3-14 OWNER
 2. Ness City ks TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. SHIPPED VIA CT DELIVERED TO Location ORDER NO.
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE 5 1/2 long string WELL PERMIT NO. WELL LOCATION Sec 1 trp 19s, R10w
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			U/M		U/M		
575		2			MILEAGE #112	80	mi	6	w	480	w
578		1			Pump Charge Long strings	1	ea	1500	w	1500	w
221		1			Liquid KCL	2	gal	25	w	50	w
281		1			Mud Flush	500	gal	1	25	625	w
290		1			D-ARR	4	gal	42	w	168	w
402		1			Centralizers	4	ea	70	w	280	w
403		1			Cement Basket	1	ea	300	w	300	w
404		1			Port collar	1	ea	2900	w	2900	w
406		1			Latch Down Plug + Baffle	1	ea	275	w	275	w
407		1			Insert float shoe w/Auto Fill	1	ea	375	w	375	w
419		F			Rotating Head Rental	X	X	400	X	400	X

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x Lester R. Webb

DATE SIGNED: 6-3-14 TIME SIGNED: 1300 A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P1	6953 w
WE UNDERSTOOD AND MET YOUR NEEDS?				P2	4182 w
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	11,135 00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Rice TAX 7.15%	588 30
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	11,723 30
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: John Smith APPROVAL:

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26655

CUSTOMER ~~Mark Cornett~~ John X. Darrach
WELL J. Behnke
DATE 6-3-14
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		2				Standard cement EA-2	150	sk			14.50	2175.00
276		2				Flucele	50	lbs			2.50	125.00
283		2				Solt	750	lbs			.20	150.00
284		2				Calseal	7	sk			35.00	245.00
292		2				Halad 322	70	lbs			8.00	560.00
581		2				SERVICE CHARGE					2.00	3.00
583		2				MILEAGE CHARGE	TOTAL WEIGHT 15670	LOADED MILES 50	TON MILES 627		1.00	627.00

CONTINUATION TOTAL 4182.00

JOB LOG

SWIFT Services, Inc.

DATE 6-3-14 PAGE NO.

CUSTOMER John J Darrach
 Mark Connett
 WELL NO. 1.0000
 LEASE Behnke
 JOB TYPE 5 1/2 Long string
 TICKET NO. 26655

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							in location LDDP
								TO 3327 SJ 42
								TP 3326 Basket 3284
								PC top 71 342' 5 1/2 x 14"
								Central. Bars 1, 2, 8, 70
								Basket 71
	1715							Start Pipe
	1845							Drop Ball Break Circulation Protest
	1915		6/4					Plug BH 25 sks MH 15 sks
	1925	5	12		✓		300	Start Mud Flush
		5	20		✓		300	Start KLL Flush
		5	27		✓		200	Start cement 110 sks GA-2
	1941							Drop Plug
								wash out Pump + Lines
	1943	6.5			✓			Start Displacement
	2000		80.1		✓		600/1500	Land Plug Hold
								Release Dry
								wash up Make up
	2030							Job complete Thank You Josh, Brian, Rob



TREATMENT REPORT

Acid Stage No. _____

Date 6/18/2014 District G.B. F.O. No. CAQ199
 Company Mark Connell
 Well Name & No. S. Behnke OWWO
 Location _____ Field _____
 County Rice State KS
 Casing: Size 5.5" Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. 2.5" Spung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Blowdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks No. Used: Std. 320 Sp. _____ Twin _____
 Auxiliary Equipment _____ 327
 Personnel Nathan Greg Jordan
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gals. _____ lb.

Company Representative Mark C. Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
11:00	2.5"	5.5"		On Location.
				Plug-680'
				Port Collar-345'
				Set RBP at 680' Spot 2sks Sand. Pull tubing.
				Run in hole port collar opening tool. Isolate port collar at 345'
				Pressure up well to 500# Open port collar.
				Break circulation with water.
				Mix 210sks. Common. Circulated cement to surface.
2:10				Close port collar and pressure up to 500# Held.
				Run 3jts. And circulate hole clean.
				Pull port collar tool and run in to pull plug.
				Circulate sand off plug and pull out of hole.
				Thank You!
				Nathan W.