



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1231584
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: _____



1231584

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	Darrah, John Jay, Jr.
Well Name	BRONLEEWE 1-22
Doc ID	1231584

Tops

Name	Top	Datum
ANHYDRITE	377	+1348
HEEBNER	2737	-1012
TORONTO	2753	-1028
DOUGLAS	2771	-1046
BROWN LIME	2864	-1139
LANSING	2890	-1165
BASE KC	3166	-1441
SIMPSON	3227	-1502
SIMPSON SAND	3246	-1521
ARBUCKLE	3264	-1539

DARRAH OIL

Scale 1:240 Imperial

Well Name: #1-22 Bronleewe
Surface Location: NE/SE/SW/NE Sec 22 T18S R9W
Bottom Location:
API: 15-159-22794
License Number: 5088
Spud Date: 8/6/2014 Time: 5:30 PM
Region: Rice County, KS
Drilling Completed: 8/11/2014 Time: 4:00 AM
Surface Coordinates: 2145' FNL & 1510' FEL
Bottom Hole Coordinates:
Ground Elevation: 1720.00ft
K.B. Elevation: 1725.00ft
Logged Interval: 350.00ft To: 3271.00ft
Total Depth: 3271.00ft
Formation: Arbuckle
Drilling Fluid Type: Chemical mud

ELEVATIONS

K.B. Elevation: 1725.00ft Ground Elevation: 1720.00ft
K.B. to Ground: 5.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -98.2989649 Latitude: 38.4725082
N/S Co-ord: 2145' FNL
E/W Co-ord: 1510' FEL

OPERATOR

Company: Darrah Oil Company LLC.
Address: 225 N. Market, Suite #300
Wichita, KS 67202

Contact Geologist: Seth Evenson
Contact Phone Nbr: (316) 219-3390
Well Name: #1-22 Bronleewe
Location: NE/SE/SW/NE Sec 22 T18S R9W API: 15-159-22794
Pool: Field:
State: Kansas Country: United States

LOGGED BY

Company: Darrah Oil Co.
Address: 225 N. Market, Suite #300
Wichita, KS 67202

Phone Nbr: (316) 219-3390
Logged By: Geologist Name: Seth L. Evenson

CONTRACTOR

Contractor: Mallard J.V.
Rig #: 1
Rig Type: Standard double
Spud Date: 8/6/2014 Time: 5:30 PM

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size			7.88 in		
Hole Size			7.88 in		
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	303 ft	23#	7	8/7/2014 8:00 AM
Int Casing					
Prod Casing	5.5 in	3264 ft	J-55 14#	78	8/12/2014 12:00 AM

CASING SEQUENCE

Type	Hole Size	Casing Size	At
Surface	9.75 in	8.63	303.00 ft
Production	7.88 in	5.50	3264.00 ft

NOTES

DST #1

Simpson
3212'- 3250'

15-30-30-30

IHP-1638#
IFP-31#-36#
ISIP-159#
FFP-43#-40#
FSIP-65.5#
FHP-1579#

Rec:
2' mud

Temp-114 deg F

DST #2

Arbuckle
3264' - 3271'

15-30-30-30

IHP-1707#
IFP-405#-647#
ISIP-1095#
FFP-825.5#-968#
FSIP-1131#
FHP-1634.5#

Rec:
503' GIP
1820' CGO
378' Water
189' SMW (10% mud)

ROCK TYPES

 Anhyprim	 Lmst fw<7	 Ss	 Slst
 Coal	 Lmst fw>7	 Shgy	 Ool grnst
 Dolsec	 Mrlstcalc	 Shcol	

ACCESSORIES




MINERAL

▲ Chert, dark
∩ Glauconite
△ Chert White

FOSSIL

○ Oolites

STRINGER

 Limestone
 Sandstone
 Shale

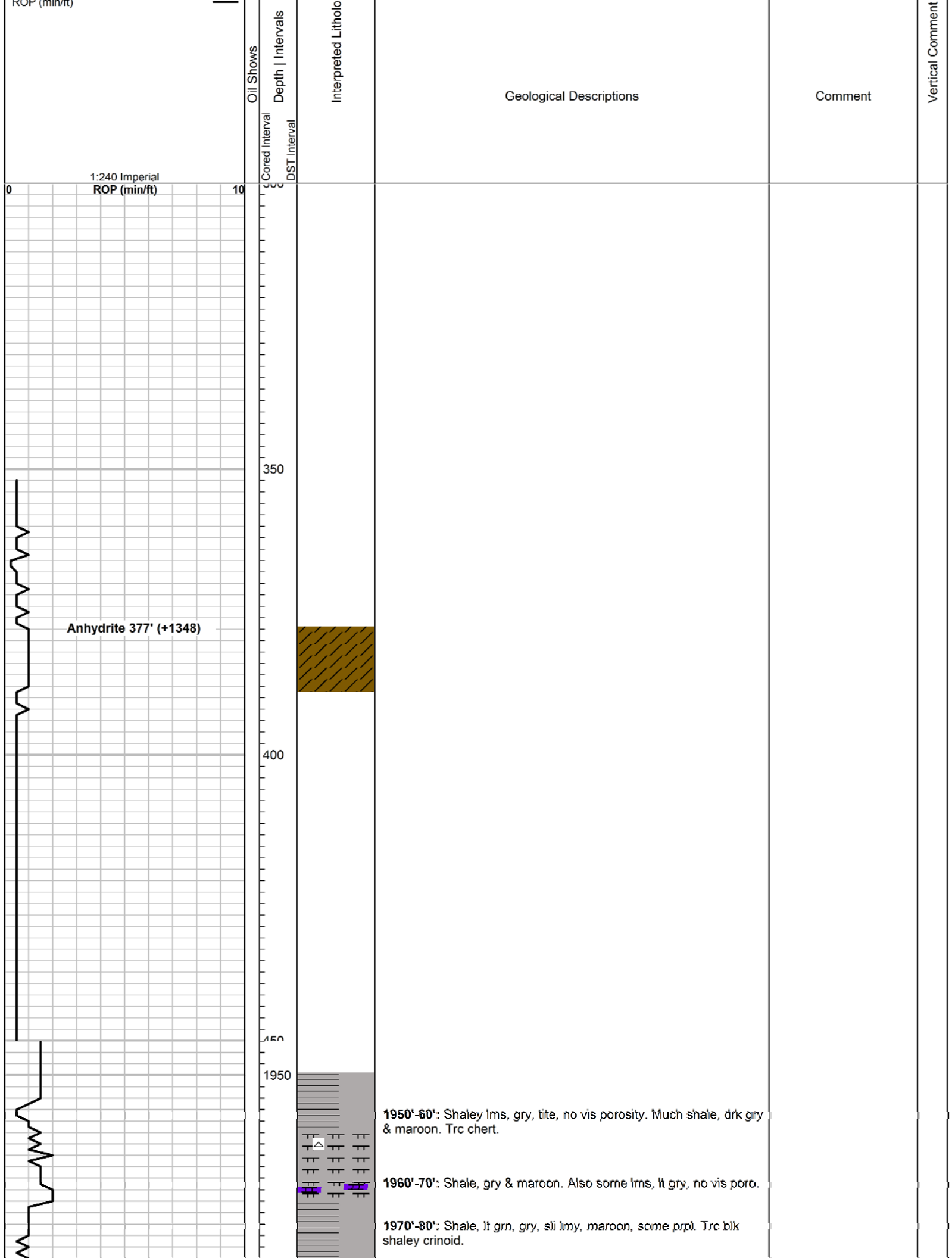
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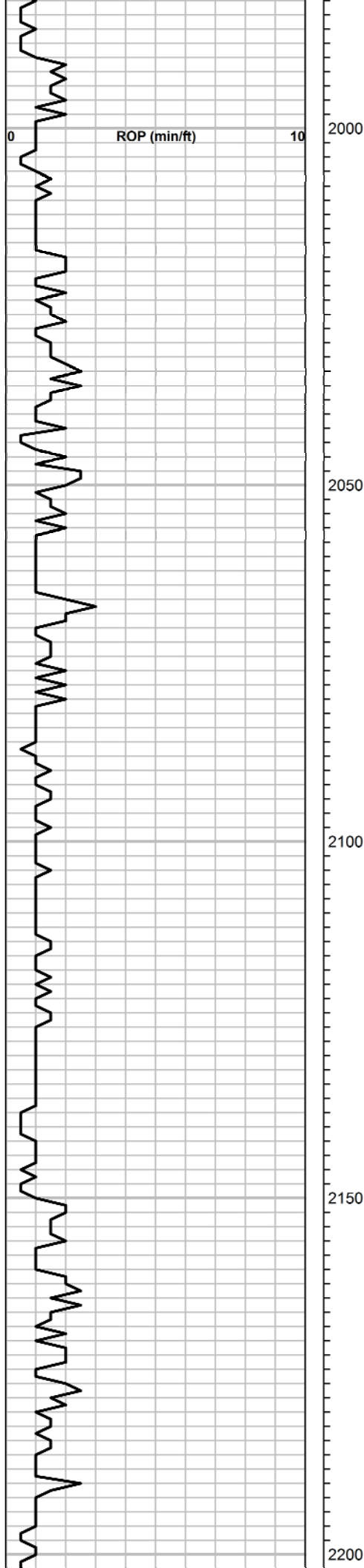
C Chalky

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





1990'-2000': Shale, gry-drk gry & maroon, platy.

2000'-10': Lms, gry, sli shaley, vfn-fn xtln, med res, no vis poro. Much shale in sample.

2010'-20': Shale, gry, maroon, grn, purple. Some shale sli lmy, also lms as above.

2020'-30': Shale, gry, red/brwn to maroon, a few pcs greenish/yellow shale. Some lms, tan med xtln to off-wht, sli chlky, all pr-no visiable porosity.

2030'-40': Shales, gry & maroon. Sli increase in limestone, mst tan-gry, vfn xtln, sli shaley. Some, lms, off-wht (dirty), chlky & fossiliferous limestone, all no visiable porosity.

2040'-50': Shale, gry, purple, platy. Some, lms, dirty off-wht, chlky, few to no allochems, no visiable porosity.

2050'-60': Shale, gry, prpl-maroon, some lt gry, sli lmy shale. A few pcs, chlky, off-wht lms, as above.

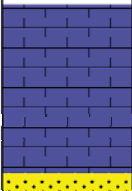
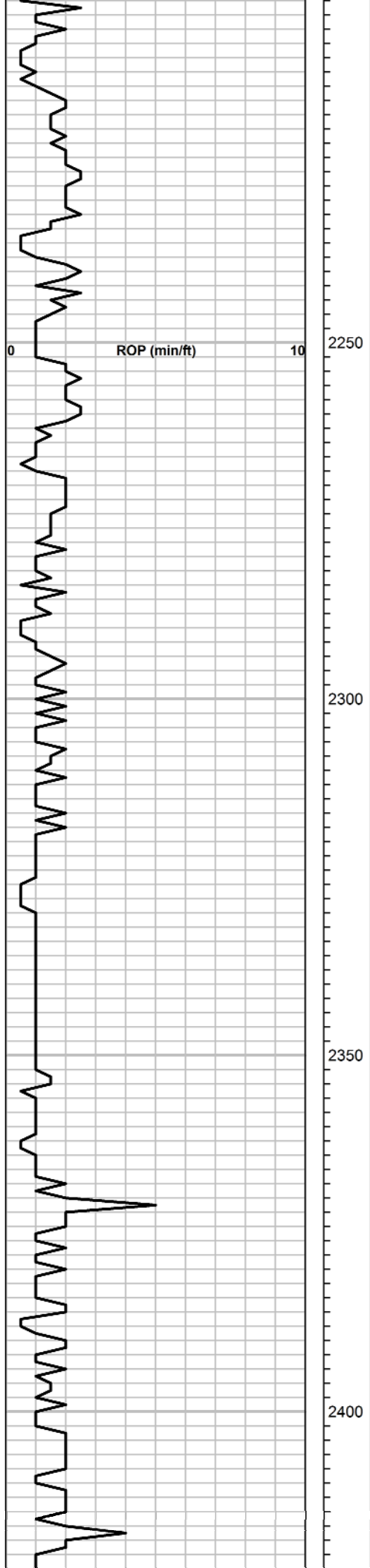
2000

2050

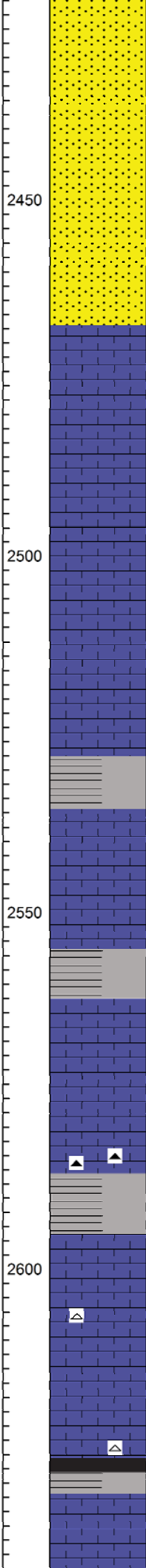
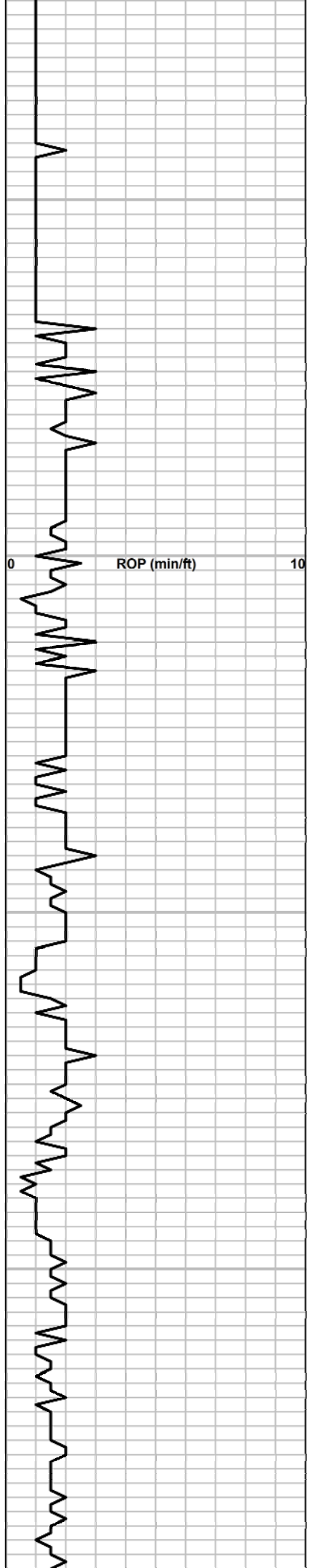
2100

2150

2200



2400'-20': Lms, tan vfn xtlr, hrd res, sli chky matrix, sli foss, no vis por. Much shale, gry, drk gry & reddish/maroon.



2420'-40': Lms, gry-drk gry, vfn xtln, hrd res, some gast fossils included, no vis por. Mstly shale & lms as abv.

2450

2440'-60': Lms, gry, drk gry, tan, vfn xtln, hrd res, no vis por. Vry much shale, gry, & hrd, drk gry-blk, shaley lms to lmy shale.

2460'-80': SS, gry, vfn grained, hrd res, shaley/clay matrix, pr-no vis por. 1 pc w/fr intr gran por, NS. Also gry sndy shale, sft-med res, matrix all clay, no por. Sample mstly, gry shale & lms as abv.

2480'-2500': Lms, gry, micro-vfn xtln, sli shaley, med-hrd res, no visible porosity. Much shale, gry, platy.

2500

2500'-20': Lms, gry, sli shaley, as above, also many pcs, lms, off-wht, chiky, some sli shaley & chiky, sft-med res, few-no allochems, all vpr-no visible porosity.

2520'-40': Lms, gry, a few pcs tan, vfn-fn xtln, hrd res, some w/coarser calcite xtlns, no vis porosity. Some shale, gry & platy.

2550

2540'-60': Lms, tan & gry, vfn-fn xtln, med-hrd res, some pcs sli chiky. Trc of gry chrty lms. All pr-no visible porosity. Some gry platy shale.

2560'-80': Lms, tan, a few pcs gry, fn-med xtln, hrd res, dnse, tite, some w/vry sli chiky to dirty shaley matrix, vpr-no visible porosity. Few-no vis allochems, some gry shale as above.

2580'-2600': Lms, gry-tan to lt brwn, fn-med xtln, some pcs sli chiky as abv, all tite, w/pr-no vis porosity. A few pcs, abndtly fossiliferous lms, w/sli shaley matrix. A few pcs chrty lms, several pcs, gry chert, shrp & frsh. Trc highly pyritic shale.

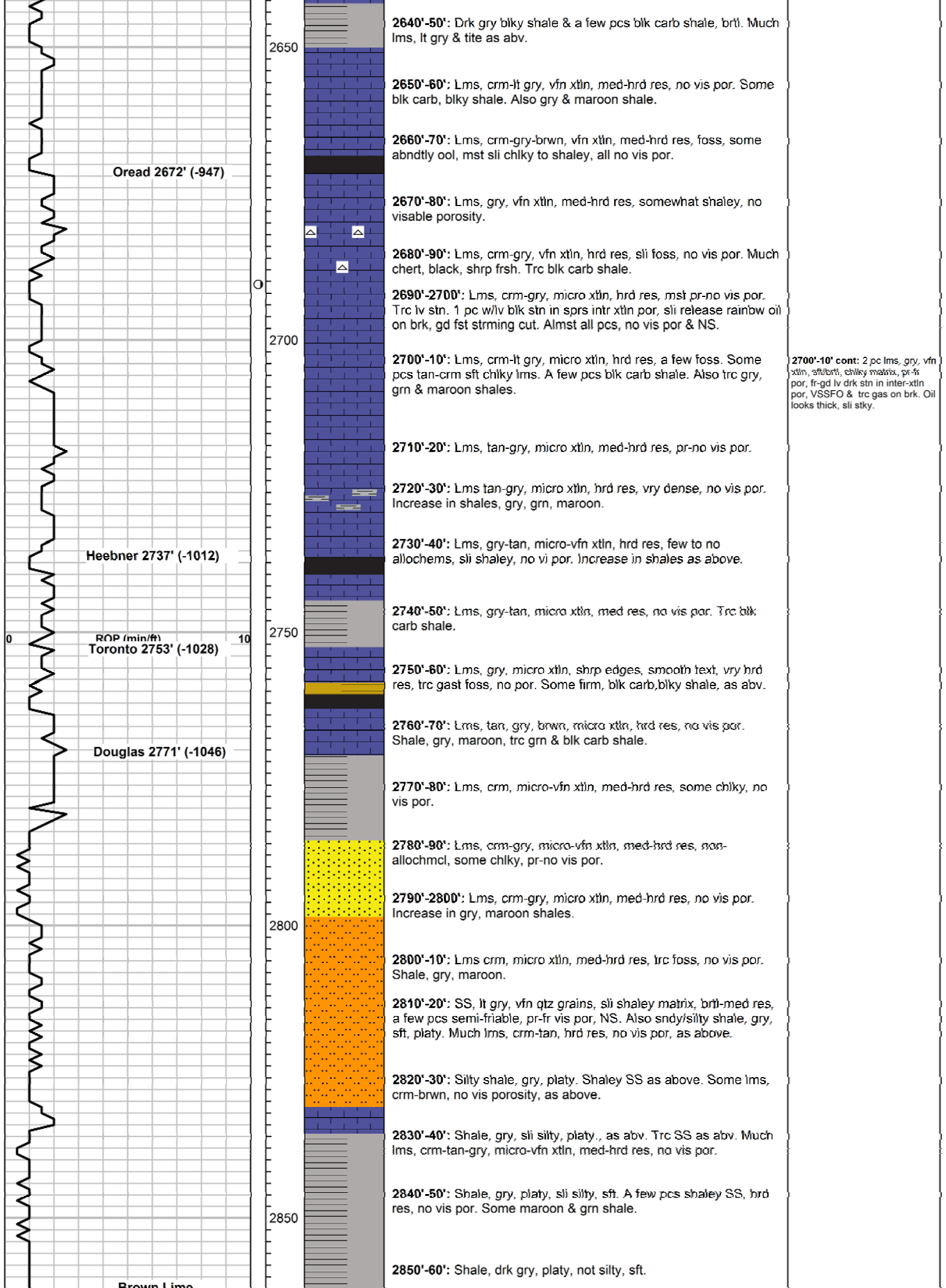
2600

2600'-10': Lms, off-wht to lt gry, vfn-fn xtln, tite, dnse, pr-no vis porosity. Some gry shale.

2610'-20': Lms, tan-crm, a few pcs gry, fn xtln, dnse & tite, mst w/sli chiky matrix, no visible porosity. Vry sli fossiliferous in a few pcs. Trc lt gry to off-wht sli micro fossiliferous chert.

2620'-30': Lms, lt tan to off-wht, micro-vfn xtln, sli chiky, no vis porosity. Sli increase in gry shales, trc ool shrp chert.

2630'-40': Lms, gry-vlt gry, vfn xtln, pr-no vis poro. Some gry & maroon shales.



Oread 2672' (-947)

Heebner 2737' (-1012)

ROP (min/ft)
Toronto 2753' (-1028)

Douglas 2771' (-1046)

Brown Lime

2640'-50': Drk gry blkly shale & a few pcs blk carb shale, brtl. Much lms, lt gry & tite as abv.

2650'-60': Lms, crm-lt gry, vfn xtln, med-hrd res, no vis por. Some blk carb, blkly shale. Also gry & maroon shale.

2660'-70': Lms, crm-gry-brwn, vfn xtln, med-hrd res, foss, some abndtly ool, mst sli chlkly to shaley, all no vis por.

2670'-80': Lms, gry, vfn xtln, med-hrd res, somewhat shaley, no visable porosity.

2680'-90': Lms, crm-gry, vfn xtln, hrd res, sli foss, no vis por. Much chert, black, shrp frsh. Trc blk carb shale.

2690'-2700': Lms, crm-gry, micro xtln, hrd res, mst pr-no vis por. Trc lv stn. 1 pc w/iv blk stn in sprs intr xtln por, sli release rainbw oil on brk, gd fst strming cut. Almst all pcs, no vis por & NS.

2700'-10': Lms, crm-lt gry, micro xtln, hrd res, a few foss. Some pcs tan-crm sft chlkly lms. A few pcs blk carb shale. Also trc gry, grn & maroon shales.

2700'-10' cont: 2 pc lms, gry, vfn xtln, sft/brtl, chlkly matrix, pr-fr por, fr-gd lv drk stn in inter-xtln por, VSSFO & trc gas on brk. Oil looks thick, sli stky.

2710'-20': Lms, tan-gry, micro xtln, med-hrd res, pr-no vis por.

2720'-30': Lms tan-gry, micro xtln, hrd res, vry dense, no vis por. Increase in shales, gry, grn, maroon.

2730'-40': Lms, gry-tan, micro-vfn xtln, hrd res, few to no allochems, sli shaley, no vi por. Increase in shales as above.

2740'-50': Lms, gry-tan, micro xtln, med res, no vis por. Trc blk carb shale.

2750'-60': Lms, gry, micro xtln, shrp edges, smooth text, vry hrd res, trc gast foss, no por. Some firm, blk carb, blkly shale, as abv.

2760'-70': Lms, tan, gry, brwn, micro xtln, hrd res, no vis por. Shale, gry, maroon, trc grn & blk carb shale.

2770'-80': Lms, crm, micro-vfn xtln, med-hrd res, some chlkly, no vis por.

2780'-90': Lms, crm-gry, micro-vfn xtln, med-hrd res, non-allochmcl, some chlkly, pr-no vis por.

2790'-2800': Lms, crm-gry, micro xtln, med-hrd res, no vis por. Increase in gry, maroon shales.

2800'-10': Lms crm, micro xtln, med-hrd res, trc foss, no vis por. Shale, gry, maroon.

2810'-20': SS, lt gry, vfn qtz grains, sli shaley matrix, brtl-med res, a few pcs semi-friable, pr-fr vis por, NS. Also sndy/silty shale, gry, sft, platy. Much lms, crm-tan, hrd res, no vis por, as above.

2820'-30': Silty shale, gry, platy. Shaley SS as above. Some lms, crm-brwn, no vis porosity, as above.

2830'-40': Shale, gry, sli silty, platy., as abv. Trc SS as abv. Much lms, crm-tan-gry, micro-vfn xtln, med-hrd res, no vis por.

2840'-50': Shale, gry, platy, sli silty, sft. A few pcs shaley SS, hrd res, no vis por. Some maroon & grn shale.

2850'-60': Shale, drk gry, platy, not silty, sft.

Brown Line
2864' (-1139)

Lansing 2890' (-1165)

G zone 2972' (-1247)

CFS @ 2977'

ROP (min/ft)

Muncie Creek
3022' (-1297)

H zone 3036' (-1311)

J zone 3076' (-1351)

2900

2950

3000

3050

2860'-70': Shale, drk gry, platy, as above.

2870'-80': Shale, gry-drk gry, platy, sft, as abv. A few pcs SS, gry, shaley, vfn grained, hrd, tite with no visable porosity.

2880'-90': Shale, gry, as abv. A few pcs lms, brwn, micro xtln, hrd res, no vis por.

2890'-2900': Lms, gry-brwn, micro-vfn xtln, sli foss, some pcs ool, all hrd, tite w/no vis por. Much shale, gry & maroon, trc grn.

2900'-10': Lms, gry-crm, micro xtln, med-hrd res, some chiky, sft-med res. Mst pcs not chiky, smooth text, hrd res. Mst pcs few to no vis allochems, tite, dnse, no vis por.

2910'-20': Lms, crm-gry-brwn, micro-vfn xtln, med-hrd res. No vis por. Trc chrt, lt gry, shrp, frsh.

2920'-30': Lms, crm-gry, micro xtln, hrd res, tite, no vis por. Increase in shales.

2930'-40': Lms, drk gry, vfn xtln, med res, abndtly foss, ratty looking, sli shaley, rough text. Some crm, w/blk ooids/and trc foss, sli ratty looking, all no vis por.

2940'-50': Mix of lms, gry, brwn, crm, micro-vfn xtln, med-hrd res, all pr-no vis por. Some shale, gry, platy-fissile.

2950'-60': Lms, gry, micro xtln, brtl-med res, vry abndtly ool, mstly pr-no vis por. Trc lv brwn stn in rare intr-ool vugs in 1 pc.

2960'-70': Lms, tan-gry, micro xtln, brtl-med res. Gry ool lms as abv. Much lms, tan, ool, sli chiky, no vis por. Some non ool tan lms w/smooth text. Some shale gry, grn, trc blk carb.

2977'-90': Lms, tan-lt brwn, vfn xtln, oomldc vugular, pr-fr intr-xtln & fr-gd vugular por. Fr shw rainbow oil on brk. Sli odr. Mst vuggy pcs, lt stn to no shw. 1 pc lt gry, sli oomldc vugular, shaley, vry pr matrix por w/Gd shw brwn gassy FO on brk. Mst pcs, lms, tan, crm, gry, micro xtln, sli chiky, non allochemcl, no vis por.

2990'-3000': Lms, tan-brwn, vfn xtln, abndtly ool, many pcs, oomldc vugular, fr-gd vugular por, brtl. Some pcs w/sprs, shallow vugs & tite xtln to chiky matrix, vry por pr. All have no show.

3000'-10': Lms, crm-lt gry, micro xtln, chiky to sli chiky, sft to hrd res, a few pcs sli oolitic, no vis por. Many pcs tan oomldc vuggy lms w/fr-gd por as abv.

3010'-20': Lms, gry, micro xtln, med-hrd res, smooth text, non-allochemical, tite, no por. A few pcs chert, gry, shrp, frsh.

3020'-30': Lms, gry, as above. Some shale, drk gry-blk, firm/hrd, sli carbonaceous. Trc chert, gry as above, to off-wht, shrp & frsh.

3030'-40': Lms, mstly, gry, micro xtln, hrd res, smooth text. Some lms, tan, micro xtln, med-hrd res, sli chiky, all non-allochemical & no vis por. Several pcs blk carb shale.

3040'-50': Lms, mstly tan-gry, no vis por as abv. A few pcs sli ool to oomldc vugular. 1 pc oomldc vugular lms w/fr-gd lv stn & sat in vugs, fr rainbw lstr, SSG & fr-gd oily lstr on brk. Some shale, gry, grn & trc blk carb.

3050'-60': Lms, gry, micro xtln, med-hrd res. Also lms, crm, micro-vfn xtln, med res, all pr-no vis por.

3060'-70': Lms, off-wht to gry, crm, micro-vfn xtln, brtl-med res, no vis por, mst few-no allochems, a few pcs w/abndt ooids.

3070'-80': Lms crm-gry, micro xtln, med-hrd res, some abndtly ool, mst pr-no vis por. Some shale gry, maroon, prpl, grn.

3080'-90': Lms, off-wht to lt gry vfn xtln, ool, med-hrd res, sprs oomldc vugs, gd lv stn & sat in intr ool & sprs oomldc vugular por. Fr por, questionable perm. Some pcs chiky. Fr shw rainbw oil on brk. CFS @ bleeding gas and oil

2977' CFS 15 min: Mstly lms, tan micro xtln, med-hrd res, smooth text, non allochemical & no vis por. Several pcs lms, tan, ool tite, to sli oomldc vugular w/fr vugular por, med res, pr-fr por. Trc dying cut, vry frt odr.

2977' CFS 30 min: Tighter ool pcs w/vry few vugs, have fr lt brwn stn, scat partwl sat, lt to fr shw rainbow/grsy lstr on brk, trc gas on brk. Scat fr /yell/wht fluor in pcs w/str & sat. wk-fr strring cut. 1 pc w/gd lv stn in intr-xtln por & trc vugs. Fr grsy lstr & trc gas on brk, hrd res. Pcs w/shw have pr poro.

2977' CFS 45 min: Lms, oomldc vugular, vfn xtln, med res, fr-abndt md, med vugs. Scat lt lv stn in intr-xtln por of some titer, less vuggy pcs, SSO. Fr yell fluor in vugs. A couple pcs w/lt brwn FO & 'bleeding gas on brk. Much dull org/yell mineral fluor, in pcs without stn.

3040'-50': Is oomldc vuggy lms w/shw slough or H zone shw?

3090' CFS 15 min: Lms, off-wht to gry, vfn xtln, brtl-med res, ool, seems to have better intr ool por,

Marker Joint 19' (2930'-49')

perm. Some pcs sli chiky. Gd shw rainbow oil str. Vfy O₂ bleeding gas and oil upon sqz or brk from prpnt intr ool pores. Fr odr. Wk, scat, dull yell fluor, fr-vry gd strming cut. Trc of gas & FO in a significant number of pcs.

than abv. VGSFO, upon brk. 1 vry tite pc steadily bleeding vry minute drpits oil for a few minutes. Fr yell fluor. Gd fst strming cut. Sli odr. Mstly lms crm-gry, micro xtlm, non allochmcl, no vis por. Losing show. Trc gm, gry, maroon shale.

3090' CFS 30 min: Lms, off-wht, micro xtlm, brtl/sft, chiky matrix, VGSFO, gassy FO on brk from intr ool por. Porosity seems to have improved from abv. Dull yell-brt even fluor, gd strming cut, vry gd cut on brk. Sample mstly lms, crm-gry, micro xtlm, med-hrd res, no vis por, increase in shale, gry, gm, maroon.

3123' CFS 45 min: Lms, lt gry, lt tan to off-wht, sli chiky, vfn xtlm, mst pr-no vis poro. A few pcs ool, sli oomldc vugular lms, chiky matrix w/lt scat stn, pr matrix poro. Some gry shale, as above.

3200' CFS 30 min: Lms, sli sndy, crm, vfn-fn xtlm, pr-no vis poro. Some shale, gry, gm, & drk purple.

3250' CFS 15 min: SS, clr-wht, fn grained sub-ang to ang qtz, med res, semi-fri, lt scat stn, trc-FSC, lt rainbw oil istr. Trc gas on brk. Gd lv brwn stn & sat in aprox 1/3 pcs, many pcs w/lt/sli gm glauc/chiky matrix & NS. Several pcs w/blk dead stn in intr-gran por as abv, some of these exhibit no live show and were likely "swept" of free oil. Gd brt yell/wht even fluor in pcs w/gd lv stn & sat. Fr fst strming cut. Fnt odr. Mst pcs SS w/shw, exhibit gd-vry gd porosity.

3250' CFS 30 min: SS, clr-wht, fn grained sub-ang to ang qtz, med res, semi-fri, lt scat stn, trc-FSC, lt rainbw oil istr. Trc gas on brk. Gd lv brwn stn & sat in aprox 1/3 pcs, many pcs w/lt/sli gm glauc/chiky matrix & NS. Several pcs w/blk dead stn in intr-gran por as abv, some of these exhibit no live show and were likely "swept" of free oil. Gd brt yell/wht even fluor in pcs w/gd lv stn & sat. Fr fst strming cut. Fnt odr. Mst pcs SS w/shw, exhibit gd-vry gd porosity.

3250' CFS 45 min: SS, clr-wht, fn-vfn qtz. Less sat pcs than abv. Some pcs partially sat/unsat. A few pcs grading into sli glauc, shaley SS w/no vis matrix por. Partial sat pcs maybe due to perm changes. 1 pc lt gm glauc sndy shale. Pcs w/partial sat exhibit SSFO, gd lv stn, fr gm/wht fluor in part. Sli odr. SS is getting more shaley & losing shw.

3260' CFS 15 min: Turquoise shale, brt vivid color, sli waxy. 1 pc w/vfn grained off-wht SS attached. Trc pyrite. Mst sample vari-colored shale as abv.

3260' CFS 30 min: Turq shale, as abv. 1 pc w/many fn qtz grains imbedded. Trc olivelyellgm

CFS @ 3090'

K zone 3110' (-1385)

CFS @ 3123'

BKC 3166' (-1441)

Simpson 3227' (-1502)

Simpson sand 3246' (-1521)

CFS @ 3250'

CFS @ 3260'

Arbuckle 3264' (-1539)

RTD 3271' (-1546)

3090'-3100': Lms, crm-gry, micro-vfn xtlm, med-hrd res, pr-no vis por. A few ool pcs, w/pr por, also trc abndtly foss pcs brtl, pr por

3110'-20': Lms, off-wht, crm some gry, micro-vfn xtlm, mst non-allochemical, some sli ool, w/vry sprs vugs. Mstly tite, pr-no vis poro. 1 pc w/fr lt tan, uneven stn. Many pcs gry blkly shale.

3123' CFS 30 min: Lms, lt gry to lt tan, vfn-fn xtlm, sli rough text. Trc sli ool, pr-no vis porosity. Also shale, gry, a few pcs maroon.

3130'-40': Much shale, drk gry, drk olive drab, red/brwn. Mstly lms, lt gry, fn xtlm, no vis porosity. 1 pc abndtly oomldc vuggy lms. 1 pc w/fr edge stn as above.

3140'-50': Lms, crm to lt gry, micro-vfn xtlm, mstly pr-no vis poro. Also much shale, mstly drk gry & maroon, trc drk gm & purple.

3150'-60': Lms, off-wht, crm to lt gry, sli chiky, vfn xtlm, no vis poro. Many pcs gry flaky shale.

3160'-70': Shale, drk gry, flaky, also some red/brwn & gm blkly. Much lms, lt gry as above, vpr- no visible porosity.

3170'-80': Lms, crm-gry, vfn-fn xtlm, some sli chiky, all pr-no vis porosity. Much shale, mstly drk gry, trace of maroon & gm shale.

3180'-90': Shale, drk gry platy, much red/brwn, trc gm & yell/tan, blkly. Some lms, gry-tan, fn xtlm, rough text, tite, no visible poro.

3200' CFS 15 min: Conglomeritic Lms, sli shaley, tan, vfn xtlm, w/sptd yellowing. A some pcs sli prpl tint, trc sndy. All vpr-no vis poro. Much shale, gry to maroon.

3200'-10': Shale, gry, drk maroon, gm, prpl, etc. Much lms, crm, sndy, many sli shaley. Vfn-fn xtlm, some sli chiky, pr-no vis poro.

3210'-20': Lms, gry, often w/lt prpl to lt yellow tint, vry sli shaley. Vfn-fn xtlm, no visible porosity. Vry much shale, drk gry, maroon, to drk purple. 1 pyritized pelecypod.

3220'-30': Shale, gry, prpl, maroon & green. Much lms, crm to lt gry, sli chiky, some yellow to purple shaley lms as above. All no visible porosity.

3230'-40': 1 pc SS, lt gry/gm, fn ang, qtz grains. Abndt mica, and much glauc grains, pr vis por.

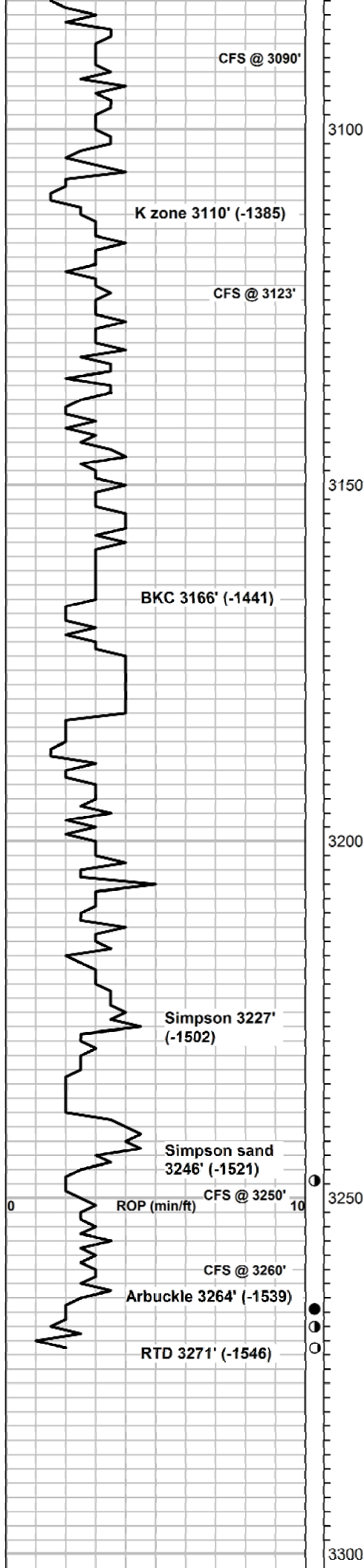
3240'-50': Shale, mstly, maroon, gry, prpl, trc yell/gm & blk. Much lms, crm, micro xtlm, sndy, to shaley lms, prpl/maroon, yell/gm colored, etc. Micro xtlm, many ool, all no vis por. 1 pc gry SS, micaceous & glauc, tite, pr-no vis por.

3250'-60': Vari-colored conglomerite shale. Could be hole slough/trip trash. CTCH @ 3250' for 1 hr after DST #1. A few pcs sndy shale, gry to vry lt gm/sli glauc. Trc tite SS w/NS from abv.

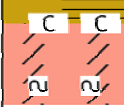
3260'-70': Lms, tan-gry, micro-fn xtlm, no vis por. Mstly vari-colored shales as abv. Several pcs SS,

3271' sample: Vari-colored shales, gry, prpl, gm, turq. Some pyritic shales. A few pcs lt gry, chiky dolomite?. Maybe cap rock, has no vis poro. Trc tan xtlm dolomite.

3271' CFS 15 min: Dolomite, tan, vfn-med xtlm. Several pcs, med rhombic xtlm, tan dol, brtl, crmbly/sucrosic, gd-vry gd intr-xtlm por. Gd even lv brwn stn & vry gd even sat. Vry gd shw rainbow oil on brk, SSG, gd lv brwn stn in intr-xtlm por on brk, gd odr. Many pcs dol, vfn-fn xtlm, med-hrd res, sli silicaceous, pr vis intr xtlm por, trc-NSFO on brk. Gd brt yell/wht even fluor mst pcs. Some may be mineral fluor, as some vry tite fn xtlm pcs exhibit fluor, but no cut on brk. Other rhombic pcs w/less por have trc FO & pr cut on brk. Many tite, unsat pcs. Also several pcs SS, clr-wht, fn grained qtz, fr lt brwn stn & sat, gd even, brt yell/gm fluor, fr shw popping gas on brk, trc minute drpits FO. Gd intr-gran por in sat pcs. Many pcs SS appear unsat, but are hrd and maybe tite. A few



ROP (min/ft) 10



pcs off-wht chert, abndtly ool. Overall good show.

shale.

3271' CFS 30 min: Dolomite, fn-med xtn, mst vry hrd res, sli silicified, some lt grn, sli glauc. Mst pr-no vis por, vry little-no stn & sat. Pcs w/better intr-xtn por & more crs xtls, exhibit more stn & SSFO w/trc gas bubbles on brk. Much less por than in 15 min sample. Still fair overall show in med res pcs w/fr intr-xtn por. Fr-gd odr, Mst pcs grn/wht mineral fluor, Fr scat, uneven yell/grn hydrocarbon fluor in 40-50% pcs. As abv. unsat pcs, w/mineral fluor exhibit no cut.

3271' CFS 45 min: Dolomite, off-wht, med xtn, rhombic, med-vry hrd res, mst pr-no intr-xtn por due to glauc/clay matrix, and or 2ndry mineralization. A few pcs exhibit banding, where stn, sat, and oil show is contained within a porous and permeable layer; which is bounded by an unsat layer which has little-no perm due to clay mineral matrix and/or 2ndry mineral growth, such a pyrite. Overall weak show, hopefully due to lack of porosity & permeability, as many of the non-mineralized pcs are vfn grained, and extremely hard. Fr odr, many tite pcs w/NS.

3350



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. 809

Date	8-12-14	Sec.	22	Twp.	18	Range	9	County	Rice	State	Ks	On Location		Finish	6:00 AM
Lease								Location		Brantsewe					
Well No.								Owner		1-22					
Contractor								To Quality Oilwell Cementing, Inc.							
Type Job								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size								Charge To		17 7/8"					
Csg.								T.D.		14" 5 1/2" New					
Tbg. Size								Depth		3271'					
Tool								Street		3267.43'					
Cement Left in Csg.								City		18.13'					
Meas Line								State		79 1/4 BIS					
EQUIPMENT								Common							
Pumptrk								Poz. Mix							
Bulktrk								Gel.							
Bulktrk								Calcium							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
48" plug								Handling							
to 5 1/2" casing + m. 150 yd cement								Mileage							
shut down wash pump + lines								FLOAT EQUIPMENT							
Released plug + displaced w/ 79 1/4 BIS of H2O. Released + held								Guide Shoe							
Left. pressure 700 #								Centralizer							
Land plug to 1500 #								Baskets 2							
								AFU Inserts							
								Float Shoe							
								Latch Down 1							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
Signature								Total Charge							

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

TERMS: Unless satisfactory credit has been established, "Customer" must tender full cash payment to "Quality" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "Customer" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "Customer" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "Customer" or at the option of "Quality," refunded directly to "Customer." For purposes of this paragraph, Quality and Customer agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and attorney's fees.

PRICES AND TAXES: All merchandise listed in "QUALITY'S" current price schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

TOWING CHARGES: QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

SERVICE CONDITIONS AND LIABILITIES: 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S SOLE AND ONLY REMEDY WITH REGARD TO ANY DEFECTIVE MERCHANDISE SHALL BE THE REPAIR OR REPLACEMENT THEREOF OR ALLOWANCE FOR CREDIT AS HEREIN PROVIDED, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products, or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Darrah Oil
 Po Box 2786
 Wichita Kansas 67201
 ATTN: Seth Evenson

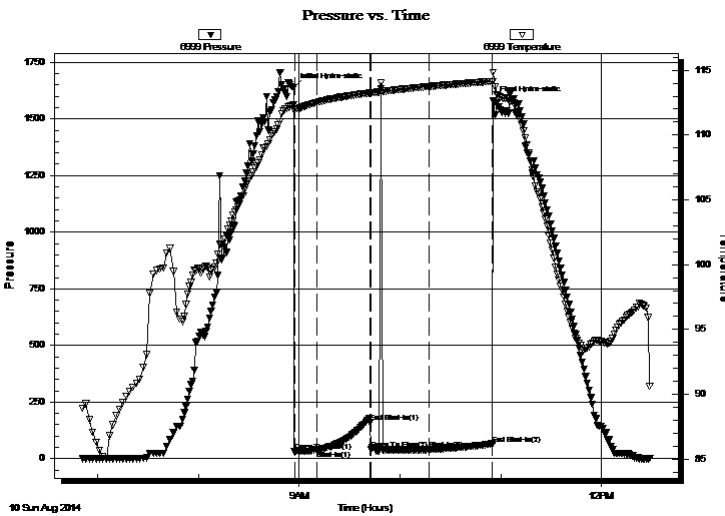
22-18s-9w-Rice
Bronleewe 1-22
 Job Ticket: 60306 **DST#: 1**
 Test Start: 2014.08.10 @ 06:50:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:57:00
 Time Test Ended: 12:29:00
 Interval: **3212.00 ft (KB) To 3250.00 ft (KB) (TVD)**
 Total Depth: 3250.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-90
 Reference Elevations: 1725.00 ft (KB)
 1720.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6999 Inside
 Press@RunDepth: 40.22 psig @ 3245.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.08.10 End Date: 2014.08.10 Last Calib.: 2014.08.11
 Start Time: 06:51:00 End Time: 12:29:00 Time On Btm: 2014.08.10 @ 08:56:30
 Time Off Btm: 2014.08.10 @ 10:55:30

TEST COMMENT: 1st Open 15 minutes Dead
 1st Shut in 30 minutes No blow back.
 2nd Open 30 minutes Dead Flushed tool w eak surface blow died off after 15 minutes.
 2nd Shut in 30 minutes No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.61	112.32	Initial Hydro-static
1	31.18	111.93	Open To Flow (1)
14	35.70	112.52	Shut-In(1)
46	159.33	113.24	End Shut-In(1)
46	43.39	113.24	Open To Flow (2)
81	40.22	113.74	Shut-In(2)
119	65.54	114.14	End Shut-In(2)
119	1579.07	114.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil

22-18s-9w-Rice

Po Box 2786
Wichita Kansas 67201

Bronleewe 1-22

Job Ticket: 60306

DST#: 1

ATTN: Seth Evenson

Test Start: 2014.08.10 @ 06:50:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

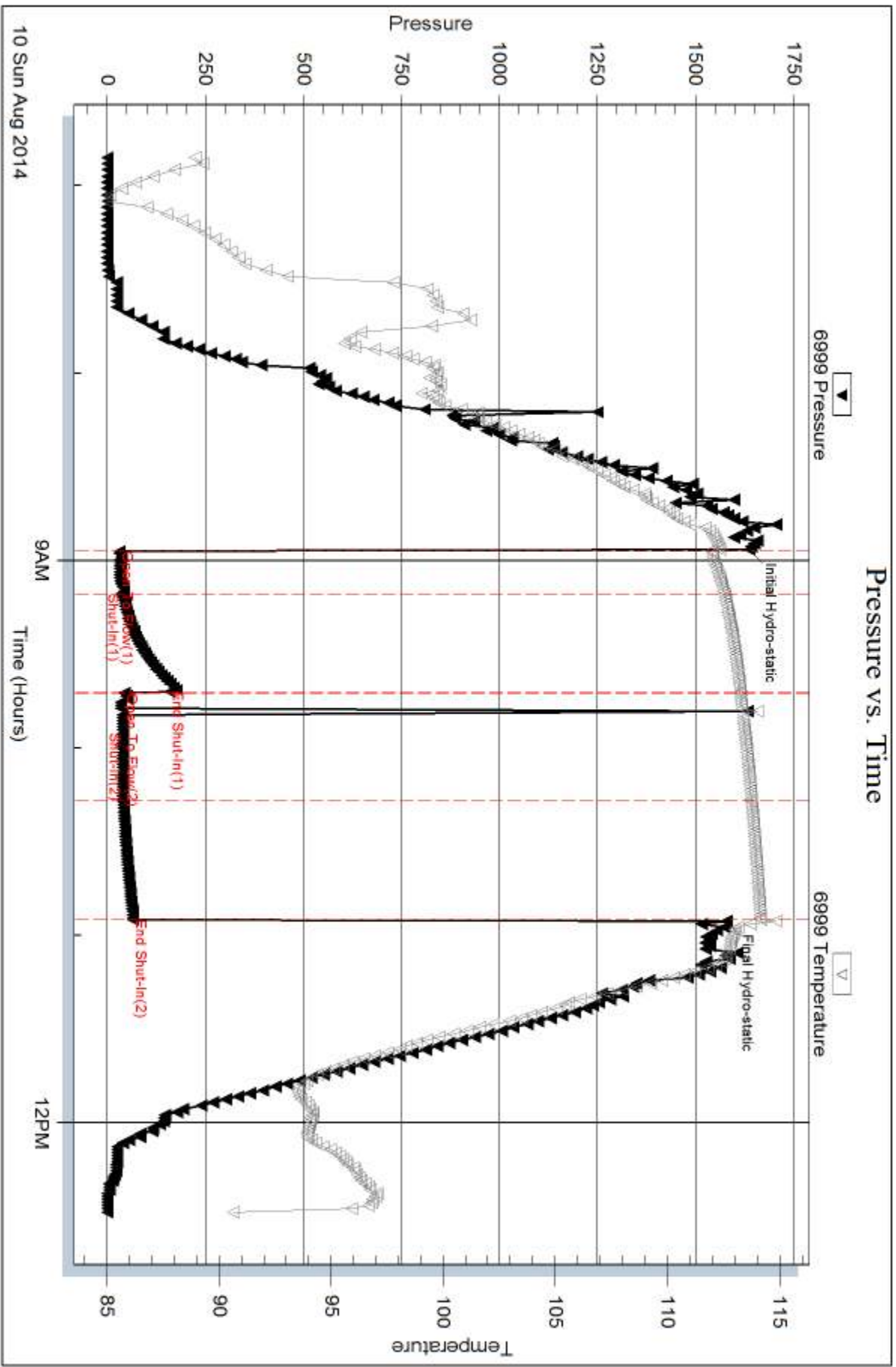
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Darrah Oil
Po Box 2786
Wichita Kansas 67201
ATTN: Seth Evenson

22-18s-9w-Rice
Bronleewe 1-22
Job Ticket: 60307 **DST#: 2**
Test Start: 2014.08.11 @ 08:07:00

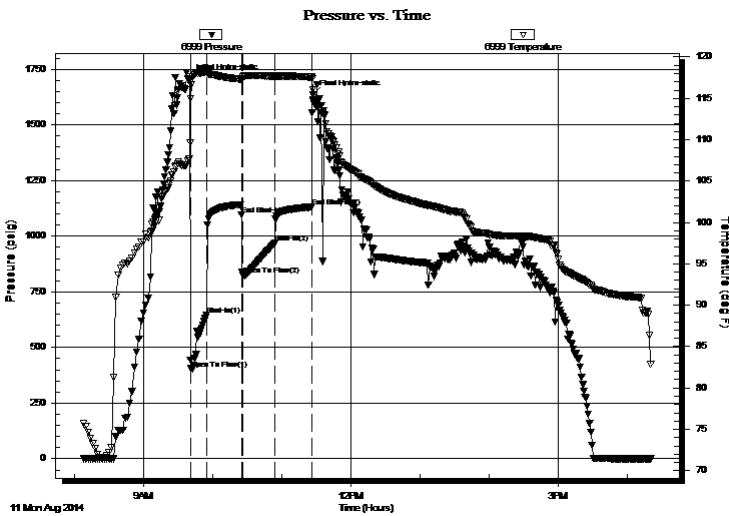
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:41:00
Time Test Ended: 16:21:00
Interval: **3264.00 ft (KB) To 3271.00 ft (KB) (TVD)**
Total Depth: 3271.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: S2-Great Bend-90
Reference Elevations: 1725.00 ft (KB)
1720.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6999

Press@RunDepth: 967.92 psig @ ft (KB) Capacity: 5000.00 psig
Start Date: 2014.08.11 End Date: 2014.08.11 Last Calib.: 2014.08.11
Start Time: 08:08:00 End Time: 16:21:00 Time On Btm: 2014.08.11 @ 09:40:00
Time Off Btm: 2014.08.11 @ 11:27:00

TEST COMMENT: 1st Open 15 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 1 minute.
1st Shut in 30 minutes Yes blow back
2nd Open 30 minutes Strong building blow built to the bottom of a 5 gallon bucket of water in 45 seconds.
2nd Shut in 30 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1707.07	107.69	Initial Hydro-static
2	404.69	114.97	Open To Flow (1)
15	647.03	118.12	Shut-In(1)
45	1095.40	117.30	End Shut-In(1)
47	825.52	117.58	Open To Flow (2)
74	967.92	117.67	Shut-In(2)
106	1130.99	117.58	End Shut-In(2)
107	1634.55	116.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1820.00	Clean gassy oil 100%	23.27
378.00	Water 100%	5.30
189.00	Muddy water 10%Mud 90%Water	2.65
0.00	Gravity of oil 37 corrected	0.00
0.00	Chlorides 32,000 .3ohms 56degrees	0.00
0.00	503 gas in pipe.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil
Po Box 2786
Wichita Kansas 67201
ATTN: Seth Evenson

22-18s-9w-Rice
Bronleewe 1-22
Job Ticket: 60307 **DST#: 2**
Test Start: 2014.08.11 @ 08:07:00

Mud and Cushion Information

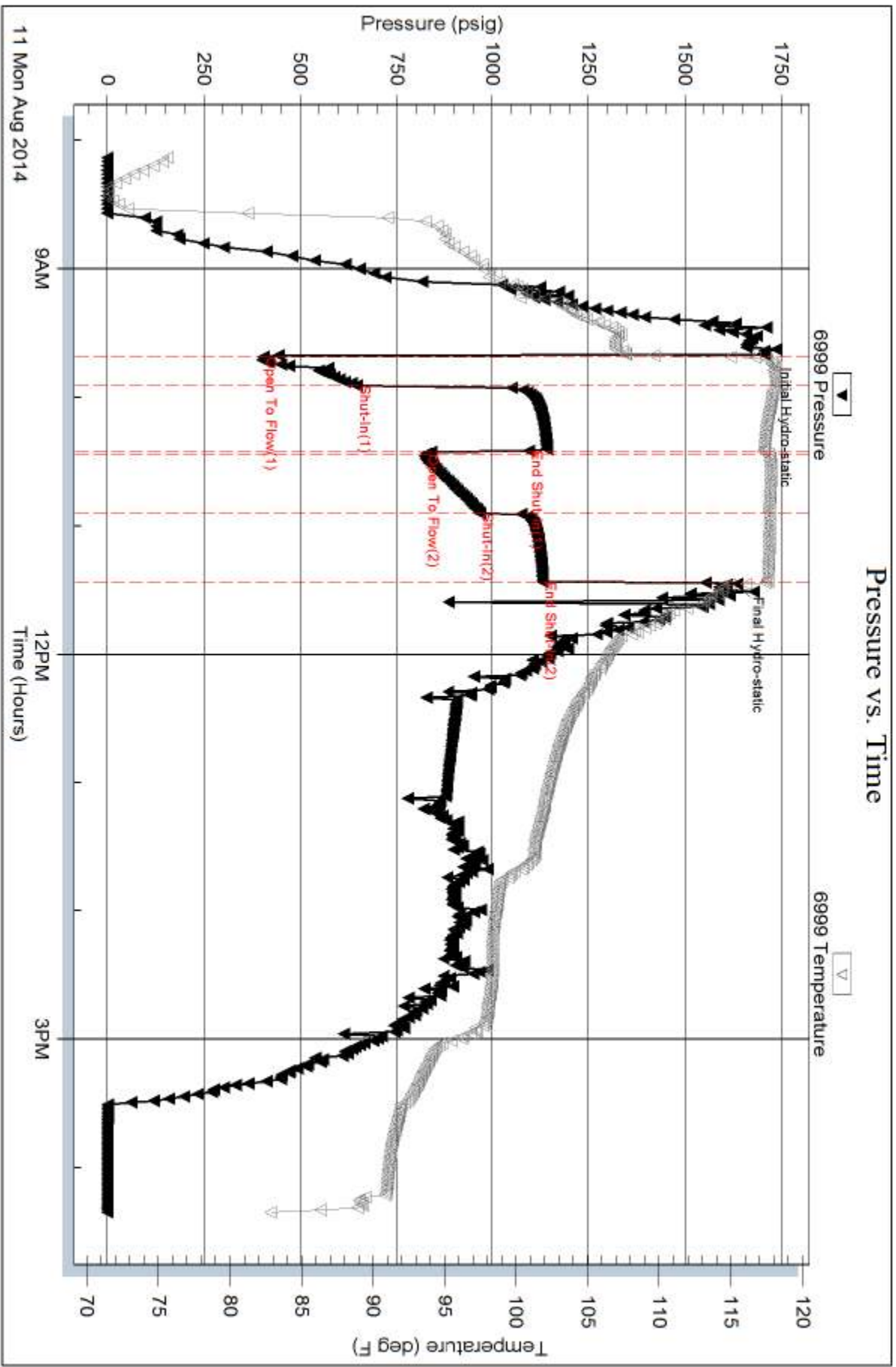
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.97 in ³	Gas Cushion Type:		
Resistivity: 0.30 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1820.00	Clean gassy oil 100%	23.268
378.00	Water 100%	5.302
189.00	Muddy water 10%Mud 90%Water	2.651
0.00	Gravity of oil 37 corrected	0.000
0.00	Chlorides 32,000 .3ohms 56degrees	0.000
0.00	503 gas in pipe.	0.000

Total Length: 2387.00 ft Total Volume: 31.221 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



11 Mon Aug 2014

9AM

12PM

Time (Hours)

3PM

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

January 07, 2015

Will Darrah
Darrah, John Jay, Jr.
P.O. BOX 2786
WICHITA, KS 67201-2786

Re: ACO-1
API 15-159-22794-00-00
BRONLEEWE 1-22
NE/4 Sec.22-18S-09W
Rice County, Kansas

Dear Will Darrah :

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/06/2014 and the ACO-1 was received on January 06, 2015 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department