



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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 Bbbs.	Gas Mcf	Water Bbbs.	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 <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 west 22nd Hays
Kansas 67601

ATTN: Ron Herold

Alan C-1

1-22s-10w-Reno

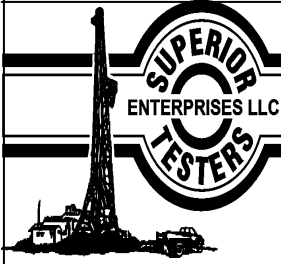
Start Date: 2012.12.01 @ 12:07:00

End Date: 2012.12.01 @ 17:31:00

Job Ticket #: 17703 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.12.01 @ 05:50:03



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration

1-22s-10w-Reno

210 w est 22nd Hays
Kansas 67601

Alan C-1

Job Ticket: 17703

DST#: 1

ATTN: Ron Herold

Test Start: 2012.12.01 @ 12:07:00

Tool Information

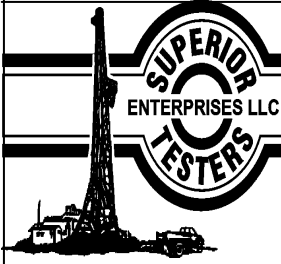
Drill Pipe:	Length: 3093.00 ft	Diameter: 3.80 inches	Volume: 43.39 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			<u>Total Volume: 43.39 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	33000.00 lb
Depth to Top Packer:	3090.00 ft			Final	33000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	69.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3075.00	
Hydraulic Tool	5.00			3080.00	
Packer	5.00			3085.00	20.00 Bottom Of Top Packer
Packer	5.00			3090.00	
Anchor	44.00			3134.00	
Recorder	1.00	6663	Inside	3135.00	
Recorder	1.00	8400	Outside	3136.00	
Bullnose	3.00			3139.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration

1-22s-10w-Reno

210 w est 22nd Hays
Kansas 67601

Alan C-1

Job Ticket: 17703

DST#: 1

ATTN: Ron Herold

Test Start: 2012.12.01 @ 12:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 96.94 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Oil cut mud	0.856
0.00		0.000

Total Length: 61.00 ft Total Volume: 0.856 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6663

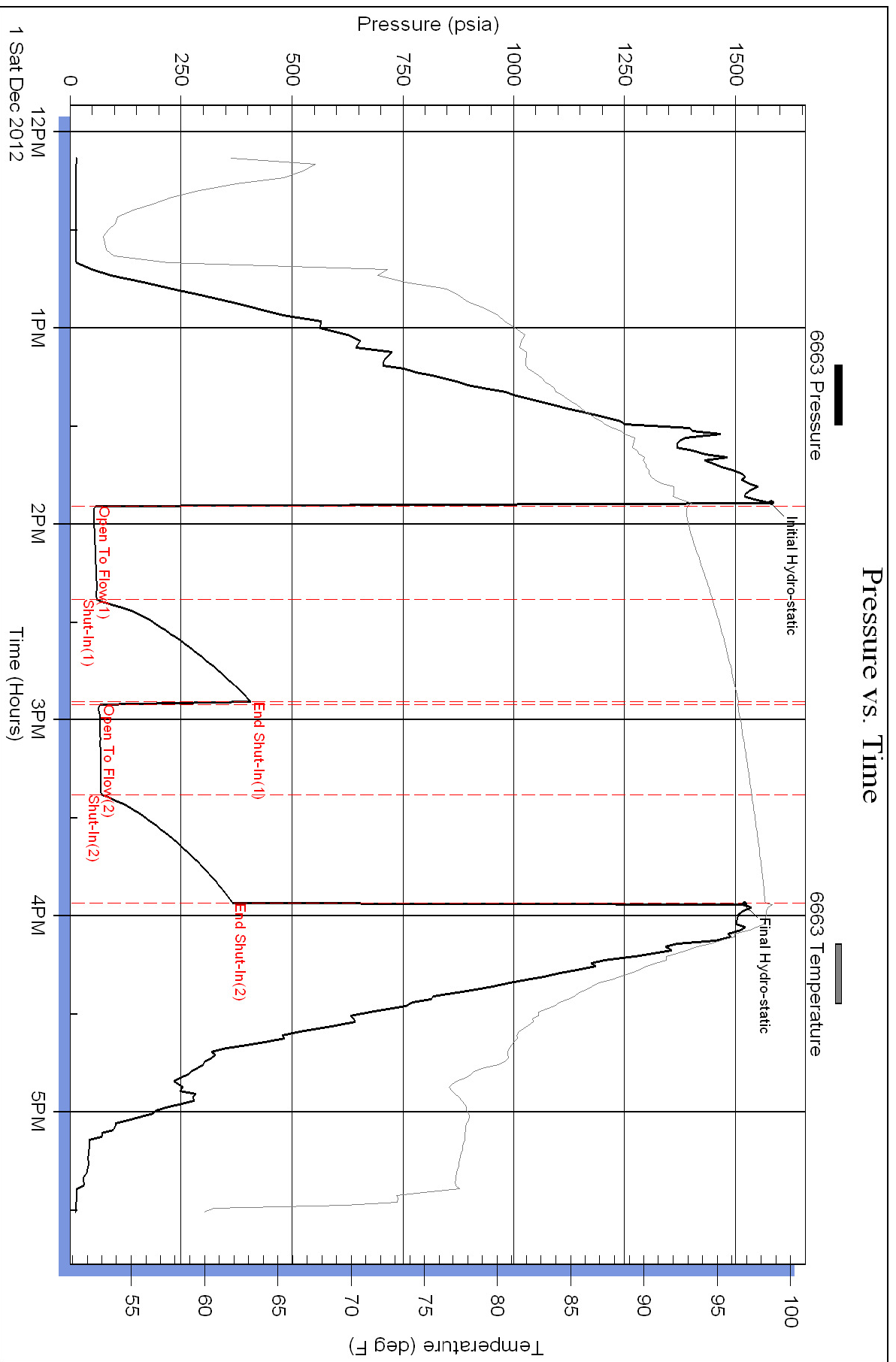
Inside

Carrie Exploration

Alan C-1

DST Test Number: 1

Pressure vs. Time

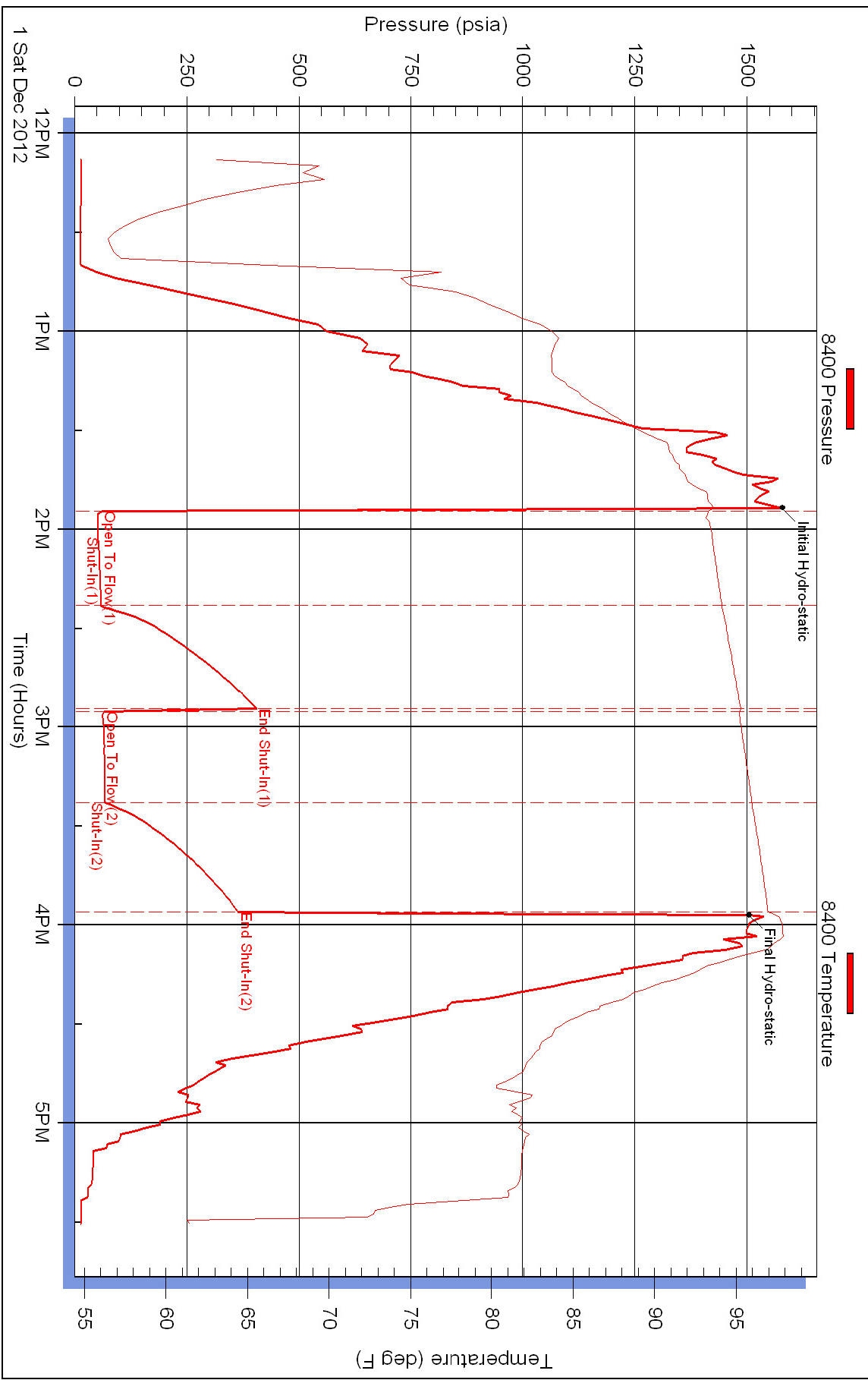


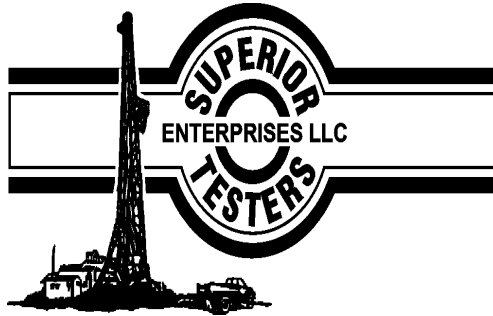
Superior Testers Enterprises LLC

Ref. No: 17703

Printed: 2012.12.01 @ 05:50:04

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 west 22nd Hays
Kansas 67601

ATTN: Ron Herold

Alan C-1

1-22s-10w-Reno

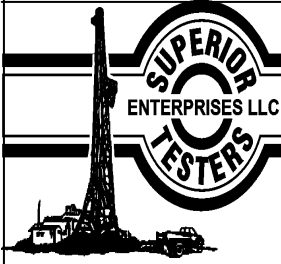
Start Date: 2012.12.01 @ 05:45:00

End Date: 2012.12.01 @ 10:22:30

Job Ticket #: 17704 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.12.01 @ 22:39:53



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration

1-22s-10w-Reno

210 w est 22nd Hays
Kansas 67601

Alan C-1

Job Ticket: 17704

DST#: 2

ATTN: Ron Herold

Test Start: 2012.12.01 @ 05:45:00

Tool Information

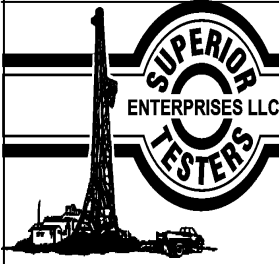
Drill Pipe:	Length: 3126.00 ft	Diameter: 3.80 inches	Volume: 43.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: 43.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3140.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3125.00	
Hydraulic Tool	5.00			3130.00	
Packer	5.00			3135.00	20.00 Bottom Of Top Packer
Packer	5.00			3140.00	
Anchor	45.00			3185.00	
Recorder	1.00	6663	Inside	3186.00	
Recorder	1.00	8400	Outside	3187.00	
Bullnose	3.00			3190.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration

1-22s-10w-Reno

210 w est 22nd Hays
Kansas 67601

Alan C-1

Job Ticket: 17704

DST#: 2

ATTN: Ron Herold

Test Start: 2012.12.01 @ 05:45:00

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:

bbl

Water Loss: 9.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	Muddy water 80% Mud Water 20%	1.894

Total Length: 135.00 ft Total Volume: 1.894 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

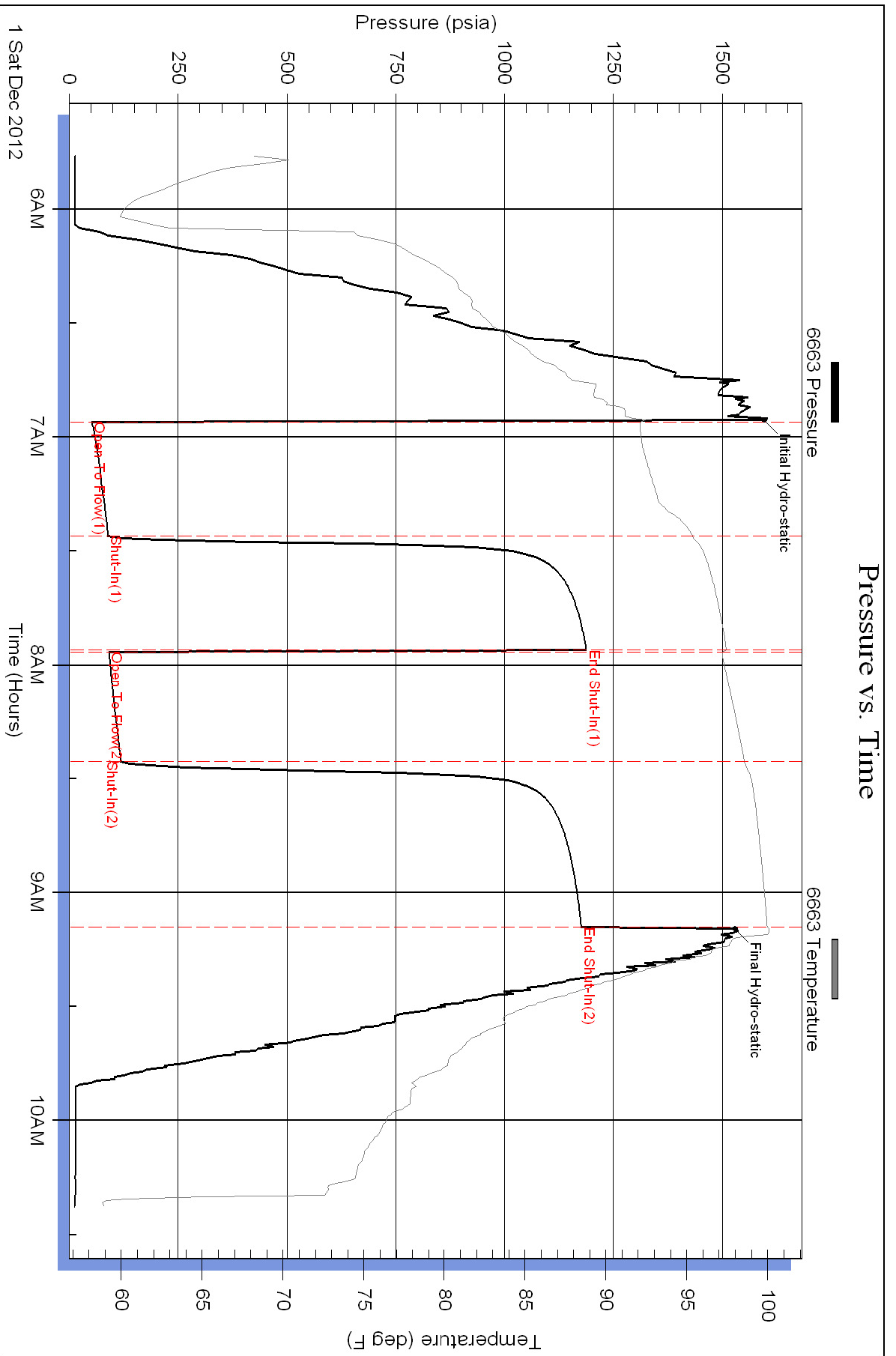
Serial #:

Laboratory Name:

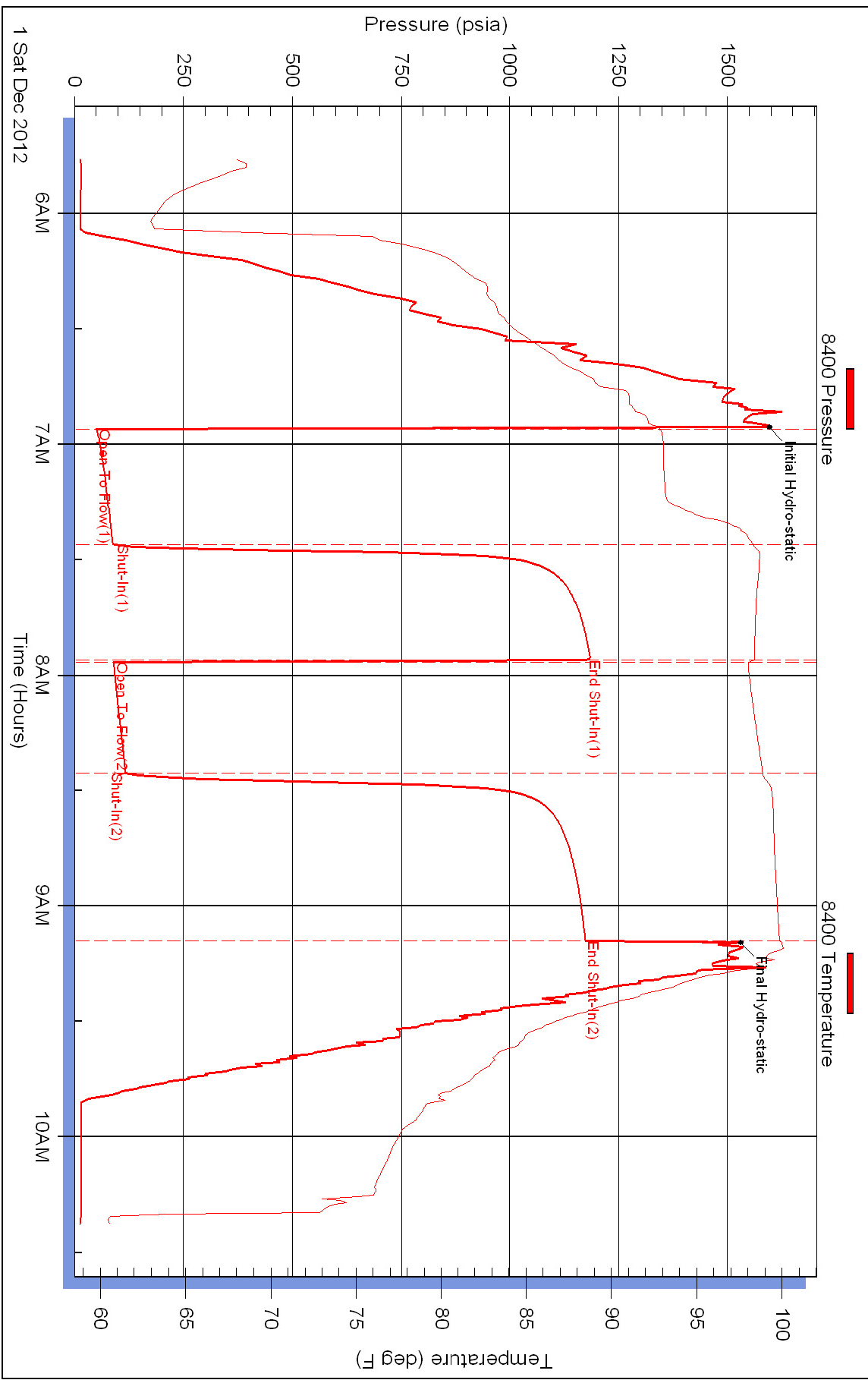
Laboratory Location:

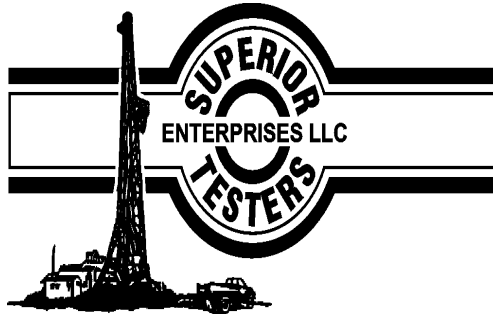
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carrie Exploration**

210 west 22nd Hays
Kansas 67601

ATTN: Ron Herold

Alan C-1

1-22s-10w-Reno

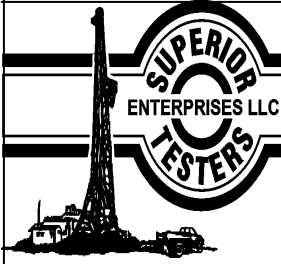
Start Date: 2012.12.02 @ 10:48:00

End Date: 2012.12.02 @ 17:51:30

Job Ticket #: 17705 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.12.03 @ 06:08:22



DRILL STEM TEST REPORT

TOOL DIAGRAM

Carrie Exploration

1-22s-10w-Reno

210 w est 22nd Hays
Kansas 67601

Alan C-1

Job Ticket: 17705

DST#: 3

ATTN: Ron Herold

Test Start: 2012.12.02 @ 10:48:00

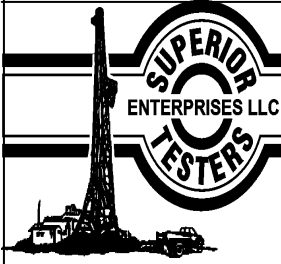
Tool Information

Drill Pipe:	Length: 3502.00 ft	Diameter: 3.80 inches	Volume: 49.12 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	37000.00 lb
			<u>Total Volume: 49.12 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	3492.00 ft			Final	34000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3477.00	
Hydraulic Tool	5.00			3482.00	
Packer	5.00			3487.00	20.00 Bottom Of Top Packer
Packer	5.00			3492.00	
Anchor	45.00			3537.00	
Recorder	1.00	6663	Inside	3538.00	
Recorder	1.00	8400	Outside	3539.00	
Bullnose	3.00			3542.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Carrie Exploration

1-22s-10w-Reno

210 w est 22nd Hays
Kansas 67601

Alan C-1

Job Ticket: 17705

DST#: 3

ATTN: Ron Herold

Test Start: 2012.12.02 @ 10:48:00

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: 9.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
12.00	Muddy water 95%Mud 5%Water	0.168

Total Length: 12.00 ft Total Volume: 0.168 bbl

Num Fluid Samples: 0

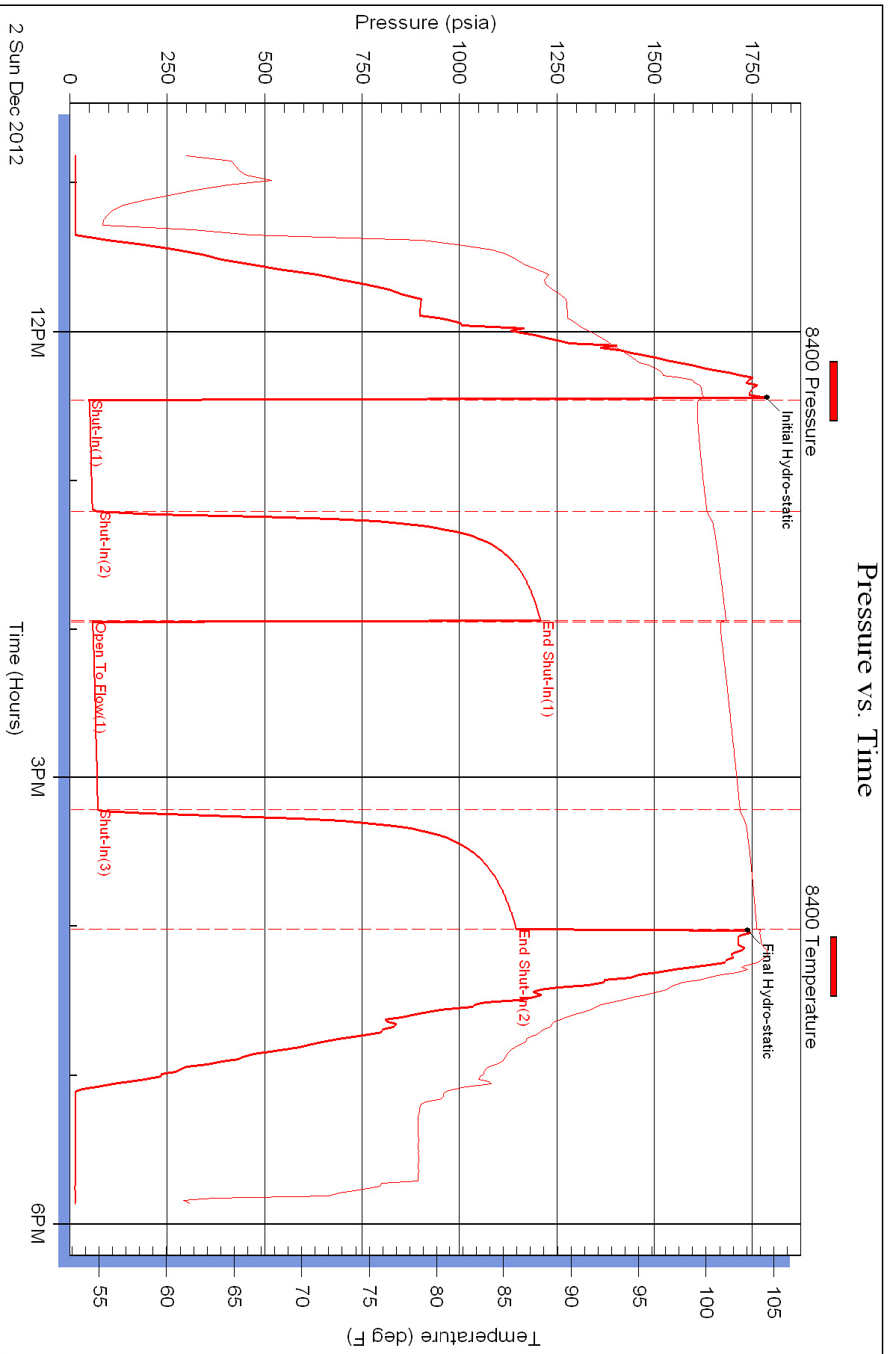
Num Gas Bombs: 0

Serial #:

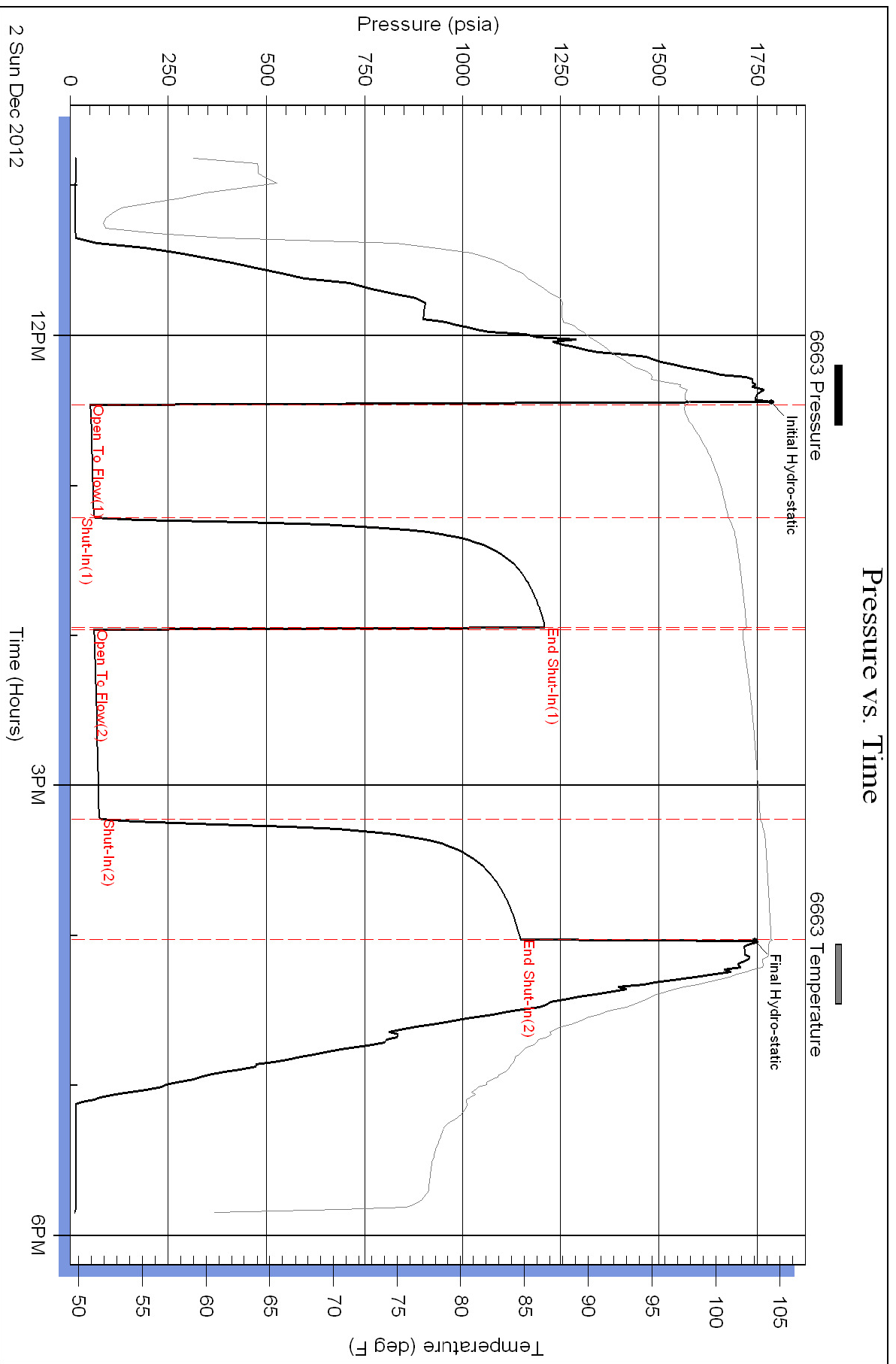
Laboratory Name:

Laboratory Location:

Recovery Comments:



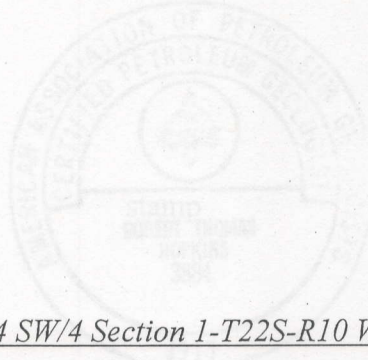
Pressure vs. Time



ROBERT T. HOPKINS, L.G., C.P.G.
709 Harold Ave.
Salina, Kansas 67401
cell (785) 819-2460

December 4, 2012

Solutions Consulting
Attention: Herb Deines
108 W. 35th
Hays, Kansas 67601



Carrie Exploration & Development Co. – Alan C-1, NW/4 SW/4 Section 1-T22S-R10 W,
Reno County, Kansas

Herb and Ron:

Attached to this summary letter is my lithologic log for the above-captioned well. Carrie Exploration and Development Co. elected to plug and abandon this well, based on poor DST results and the open-hole log.

Several trace oil shows were observed in well cuttings, as defined by a single grain with oil staining or a trace of free oil in cuttings. The trace shows were tested by one of the three DSTs run on this well, and are shown on the attached lithologic log.

A slightly better show consisted of some beads of free oil, but no staining or odor, in the top of the Arbuckle Dolomite, from approximately 3560-3563 ft (log corrected depths). The lack of a discernible permeability barrier between this zone and underlying saltwater, and the lack of a lower straddle packer seat, was the basis for not testing this zone by DST.

The well ran slightly low compared to the nearby well with a good open-hole log (for comparison purposes), as shown below.

LOG TOP COMPARISON:

Formation	Alan C-1 log tops	compared to log tops of Sleeper A-1 (SE $\frac{1}{4}$ 2-22s-10w)	
Heebner Sh.	2914(-1176)	-0-	(-1176)
Brown Ls.	3050(-1312)	+3	(-1315)
Top LKC	3086(-1348)	-2	(-1346)
Base KC	3379(-1641)	+2	(-1643)
Viola Ls.	3433(-1695)	+3	(-1698)
Simpson Formation	3496(-1758)	-6	(-1752)
Arbuckle	3560(-1822)	-6	(-1816)

LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator Carrie Exploration

Location NW SW 1-22s-10w

Lease / Well Algn C-1

County RENO State KS

scale 1" = 20'

GL KB 1738 (measure from *)

depth this sheet - from 3080 to 3260

page 2 of 5

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, shows, mud properties)
1	2	3	4	5	6	7	8				
								80			red-gry sh. (vis. 51; wt. 9.1) LKC 3088(-1350)
								3100			bf. faxln. tite lst., n.s.
											brn-gry medxln fossiliferous lst., sl. φ, n.s.
											wh. faxln fossiliferous lst., sl. φ, trc stn, no odor, no free oil; tarry tite lst., n.s.
											dk gry sh. wh fossiliferous lst., n.s.
											brn-gry sandy lst., sl φ, trc. free oil, v. pr. stn, sl. odor, no fluorescence
											bf faxln tite lst., n.s.
								50			gry sh. bf faxln fossiliferous lst., tite, n.s.
											DST #1: 3090-3139 30-30-30-30" SIP: 406-365# FP: 58-59#; 68-171# REC: 61' OCM
											dk brn faxln foss. lst., sl. φ, trc stn, no odor, no free oil, no flow. gry sh - sdy sh.
											brn medxln. fossiliferous to oolitic, sl. φ (not visible) n.s.
											DST #2: 3140-3190 30-30-30-45" SIP: 1187-1175# FP: 51-88#, 9-117# Rec: 135' MW
								3200			bf faxln tite lst., n.s.
											bf-brn faxln fossiliferous lst., tite, n.s.
											dk gry sh.
											bf faxln lst., tite, n.s.
											dk gry sh.
								50			bf. faxln fossiliferous lst., tite, n.s.
								60			

CFS 3139

CFS 3190

LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator Carrie Exploration

Location NW SW 1-22s-10w

Lease / Well Alan C-1

County RENO State KS

scale 1" = 20'

GL KB 1738 (measure from *)

depth this sheet - from 3260 to 3440

page 3 of 5

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, shows, mud properties)
1	2	3	4	5	6	7	8				
								60			bf fawn chalky lst., sl-f. φ, n.s.
											bf fawn chalky lst., sl φ, n.s. dk, gry sh.
											bf-brn fossiliferous lst., tite, n.s. ↓ sl. cherty @ base
								3300			bf fawn tite lst., n.s.; sl. fossiliferous dk gry - blk sh; pyritic
											dk brn - gry fawn fossiliferous lst., tite, n.s.
											dk gry sh.
											bf-brn fawn chalky lst., sl. φ, n.s.
								50			bf-gry fawn tite lst., n.s.; sl. cherty
											blk. pyritic to carbonaceous sh.
											bf fawn tite lst., n.s.
											red - gry sh. Base of Kansas City 3380 (-1642)
											bf fawn tite lst., n.s.; very cherty (vis 44, wt 9.5)
								3400			dk gry sh. to grn. sh. ← Pawnee ls. ?
											bf fawn fossiliferous lst., very cherty (orange) tite, n.s.
											← grn sh.
											white sst., well cemented, tite, n.s. Viola 3438 (-1700)
											grn sh.
								40			white chert, fair φ, n.s. (chert is fossiliferous)



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 133814

Invoice Date: Nov 27, 2012

Page: 1



C

Bill To:
Carrie Exploration & Development LLC 210 West 22nd Street Hays, KS 67601

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Carrie	Alan C #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Nov 27, 2012	12/27/12

Quantity	Item	Description	Unit Price	Amount
250.00	MAT	Class A Common	17.90	4,475.00
5.00	MAT	Gel	23.40	117.00
9.00	MAT	Chloride	64.00	576.00
270.33	SER	Cubic Feet	2.48	670.41
432.25	SER	Ton Mileage	2.60	1,123.85
1.00	SER	Surface	1,512.25	1,512.25
35.00	SER	Pump Truck Mileage	7.70	269.50
35.00	SER	Light Vehicle Mileage	4.40	154.00
1.00	CEMENTER	Tim Dickson		
1.00	EQUIP OPER	Trint Hall		
1.00	EQUIP OPER	Joel Monahan		

Cem + Surface
12-17-12
3456

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2224.50

ONLY IF PAID ON OR BEFORE
Dec 22, 2012

Subtotal	8,898.01
Sales Tax	377.26
Total Invoice Amount	9,275.27
Payment/Credit Applied	
TOTAL	9,275.27

7050.77

ALLIED OIL & GAS SERVICES, LLC 059159

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Asset Build Ks

DATE <u>11-27-12</u>	SEC. <u>1</u>	TWP. <u>22</u>	RANGE <u>10</u>	CALLED OUT <u>6:45 AM</u>	ON LOCATION <u>8:05 PM</u>	JOB START <u>12:00 AM</u>	JOB FINISH <u>12:45 AM</u>
LEASE <u>Adon</u>	WELL # <u>C-1</u>	LOCATION <u>Fre & Jai - 13 west</u>			COUNTY <u>Haris</u>	STATE <u>Ks</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>push into</u>			<u>2.01</u>	<u>7.3</u>	

CONTRACTOR Southland #4 OWNER Gene

TYPE OF JOB Surface
 HOLE SIZE 12 1/4" T.D. 273'
 CASING SIZE 8 5/8" DEPTH 273'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 20'
 PERFS. _____
 DISPLACEMENT 16.1 bbls

CEMENT
 AMOUNT ORDERED 250 lbs class A
370cc, 270 def

COMMON	<u>250</u>	@ <u>17.90</u>	<u>4,475.00</u>
POZMIX		@	
GEL	<u>5</u>	@ <u>23.40</u>	<u>117.00</u>
CHLORIDE	<u>9</u>	@ <u>64.00</u>	<u>576.00</u>
ASC		@	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Tom Dickson</u>
# <u>398</u>	HELPER <u>Trist Halp</u>
BULK TRUCK	
# <u>341</u>	DRIVER <u>Joel Monahan</u>
BULK TRUCK	
# _____	DRIVER _____

HANDLING	<u>270.33 X</u>	@ <u>2.48</u>	<u>670.81</u>
MILEAGE	<u>12.35 X 35 X</u>	<u>2.60</u>	<u>1,123.85</u>
			TOTAL <u>6,962.36</u>

REMARKS:
Run 273' of 8 5/8" cas. Bore line.
Mixed 250 lbs class A 370cc
270 def. Displaced with fresh
H₂O.

Cement did circulate

SERVICE

DEPTH OF JOB	<u>273'</u>		
PUMP TRUCK CHARGE		<u>1512.35</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 35</u>	@ <u>7.70</u>	<u>269.20</u>
MANIFOLD		@	
<u>Side edge (8 1/2")</u>		@	
<u>Hum 35</u>		@ <u>4.40</u>	<u>154.00</u>
			TOTAL <u>1,935.75</u>

CHARGE TO: Carrie Exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Jerry D. Rowe
 SIGNATURE X [Signature]

PLUG & FLOAT EQUIPMENT

_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____
_____	@ _____

TOTAL _____
 SALES TAX (If Any) 372.26
 TOTAL CHARGES 8,898.01
 DISCOUNT 258 2,229.50
6,673.51 IF PAID IN 30 DAYS



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 133919

Invoice Date: Dec 4, 2012

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361



Bill To:

Carrie Exploration & Development LLC
210 West 22nd Street
Hays, KS 67601

C

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Carrie	Alan C #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	Dec 4, 2012	1/3/13

Quantity	Item	Description	Unit Price	Amount
108.00	MAT	Class A Common	17.90	1,933.20
72.00	MAT	Pozmix	9.35	673.20
6.00	MAT	Gel	23.40	140.40
45.00	MAT	Flo Seal	2.97	133.65
193.00	SER	Cubic Feet	2.48	478.64
282.45	SER	Ton Mileage	2.60	734.37
1.00	SER	Rotary Plug	2,600.47	2,600.47
35.00	SER	Pump Truck Mileage	7.70	269.50
35.00	SER	Light Vehicle Mileage	4.40	154.00
1.00	CEMENTER	Dustin Chambers		
1.00	EQUIP OPER	Joshua Isaac		
1.00	EQUIP OPER	Daniel Casper		

Cement to plug well

12-17-12 # 3456

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$1779.35

ONLY IF PAID ON OR BEFORE
Dec 29, 2012

Subtotal	7,117.43
Sales Tax	519.57
Total Invoice Amount	7,637.00
Payment/Credit Applied	
TOTAL	7,637.00

5857.65

