



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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, a General Partnership
Well Name	Thomas Farms C-3
Doc ID	1100344

Tops

Name	Top	Datum
TOPEKA	2638	-857
HEEBNER SHALE	2900	-1119
DOUGLAS SHALE	2933	-1152
BROWN LIME	3026	-1245
LKC	3045	-1264
BKC	3297	-1516
ARBUCKLE	3315	-1534
RTD	3400	-1619
LTD	3398	-1617

OPERATOR

Company: CARRIE EXPLORATION DEVELOPMENT
 Address: 210 W 22ND
 HAYS, KANSAS 67601

Contact Geologist: RON HEROLD
 Contact Phone Nbr: 913-961-2760
 Well Name: THOMAS FARMS C-3
 Location: E2 SE SW SW Sec.34-19s-11w
 Pool: IN FIELD
 State: KANSAS

API: 15-009-25,771-00-00
 Field: CHASE-SILICA
 Country: USA

Scale 1:240 Imperial

Well Name: THOMAS FARMS C-3
 Surface Location: E2 SE SW SW Sec.34-19s-11w
 Bottom Location:
 API: 15-009-25,771-00-00
 License Number: 6768
 Spud Date: 10/25/2012
 Region: BARTON COUNTY
 Drilling Completed: 10/31/2012
 Surface Coordinates: 330' FSL & 1030' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1773.00ft
 K.B. Elevation: 1781.00ft
 Logged Interval: 2500.00ft
 Total Depth: 3400.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

Time: 6:00 PM
 Time: 1:03 PM
 To: 3400.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 330' FSL
 E/W Co-ord: 1030' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: Geologist
 Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING INC.
 Rig #: 6
 Rig Type: MUD ROTARY
 Spud Date: 10/25/2012
 TD Date: 10/31/2012
 Rig Release: 11/1/2012

Time: 6:00 PM
 Time: 1:03 PM
 Time: 2:00 PM

ELEVATIONS

K.B. Elevation: 1781.00ft
 K.B. to Ground: 8.00ft
 Ground Elevation: 1773.00ft

NOTES

DECISION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE, LOG ANALYSIS AND POSITIVE

RESULTS OF DSTS.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG.

DRILL STEM TESTING BY SUPERIOR TESTERS ENTERPRISES LLC: TWO (2) CONVENTIONAL TESTS.


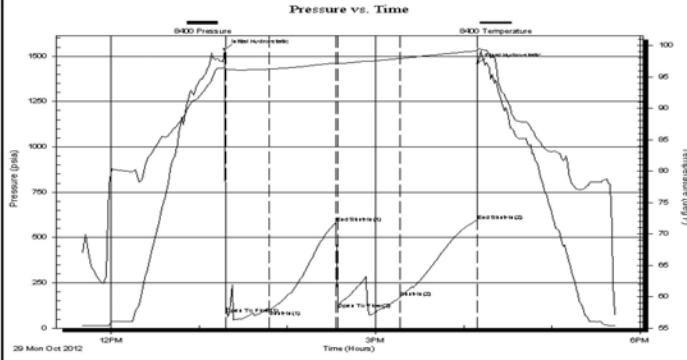
FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

**THOMAS FARMS #C-3
330' FSL & 1030' FWL, SW/4
Sec.34-19s-11w
1773' GL 1781' KB**

<u>FORMATION</u>	<u>SAMPLE TOPS</u>	<u>LOG TOPS</u>
Topeka	2644- 863	2638- 857
Heebner Shale	2906-1125	2900-1119
Toronto	2923-1142	2918-1137
Douglas Shale	2937-1156	2933-1152
Brown Lime	3031-1250	3026-1245
LKC	3050-1269	3045-1264
BKC	3300-1519	3297-1516
Arbuckle	3320-1539	3315-1534
RTD	3400-1619	
LTD		3398-1617

- 10-25-12 RU, spud, set surface casing to 251' w/175 sxs. Common, 2%gel, 3%CC, Slope survey 1/2 degree, WOC 8 hrs.
- 10-26-12 251', WOC, drill plug at 10:15 AM
- 10-27-12 1500', drilling
- 10-28-12 2084', drilling
- 10-29-12 2800', drilling, DST # 1 3039'-3081' A-B
- 10-30-12 3081', drilling, DST # 2 3080'-3125' C-F
- 10-31-12 3254', drilling, RTD 3400', short trip, logs
- 11-01-12 3400', finish logging, lay down drill pipe, run 5 1/2" production casing, plug down @ 2:00PM

DST # 1 TEST SUMMARY

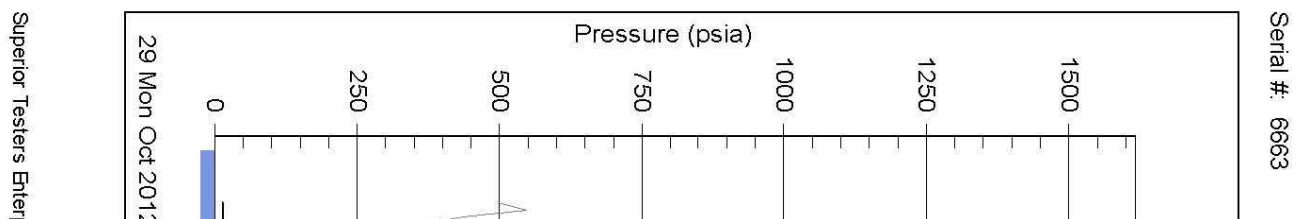
	DRILL STEM TEST REPORT																																						
Carrie Exploration & Development 210 West 22nd Hays Kansas 67601 ATTN: Herb	34-19s-11w-Barton Thomas Farms C-3 Job Ticket: 17862 DST#: 1 Test Start: 2012.10.29 @ 11:40:00																																						
GENERAL INFORMATION:																																							
Formation: Lansing A-B Deviated: No Whipstock: ft (KB) Time Tool Opened: 13:18:00 Time Test Ended: 17:43:30 Interval: 3039.00 ft (KB) To 3081.00 ft (KB) (TVD) Total Depth: 3081.00 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 -25 Reference Elevations: 1781.00 ft (KB) 1773.00 ft (CF) KB to GR/CF: 8.00 ft																																						
Serial #: 8400 Outside Press@RunDepth: 170.32 psia @ 3078.00 ft (KB) Start Date: 2012.10.29 End Date: 2012.10.29 Start Time: 11:40:00 End Time: 17:43:30	Capacity: 5000.00 psia Last Calib.: 2012.10.30 Time On Btm: 2012.10.29 @ 13:17:30 Time Off Btm: 2012.10.29 @ 16:09:30																																						
TEST COMMENT: 1st Open 30 minutes Fair building blow blew 1 inch. 1st Shut in 45 minutes No blw o back 2nd Open 45 minutes Very weak surfac blow 2nd Shut in 45 minutes No blow back																																							
Pressure vs. Time 	PRESSURE SUMMARY																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Time (Min.)</th> <th>Pressure (psia)</th> <th>Temp (deg F)</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>0</td><td>1538.33</td><td>96.51</td><td>Initial Hydro-static</td></tr> <tr><td>1</td><td>78.43</td><td>95.97</td><td>Open To Flow (1)</td></tr> <tr><td>30</td><td>96.35</td><td>96.25</td><td>Shut-In(1)</td></tr> <tr><td>76</td><td>580.78</td><td>97.24</td><td>End Shut-In(1)</td></tr> <tr><td>77</td><td>106.28</td><td>97.07</td><td>Open To Flow (2)</td></tr> <tr><td>119</td><td>170.32</td><td>97.95</td><td>Shut-In(2)</td></tr> <tr><td>172</td><td>594.26</td><td>99.15</td><td>End Shut-In(2)</td></tr> <tr><td>172</td><td>1459.99</td><td>99.44</td><td>Final Hydro-static</td></tr> </tbody> </table>	Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation	0	1538.33	96.51	Initial Hydro-static	1	78.43	95.97	Open To Flow (1)	30	96.35	96.25	Shut-In(1)	76	580.78	97.24	End Shut-In(1)	77	106.28	97.07	Open To Flow (2)	119	170.32	97.95	Shut-In(2)	172	594.26	99.15	End Shut-In(2)	172	1459.99	99.44	Final Hydro-static		
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Superior Testers Enterprises LLC

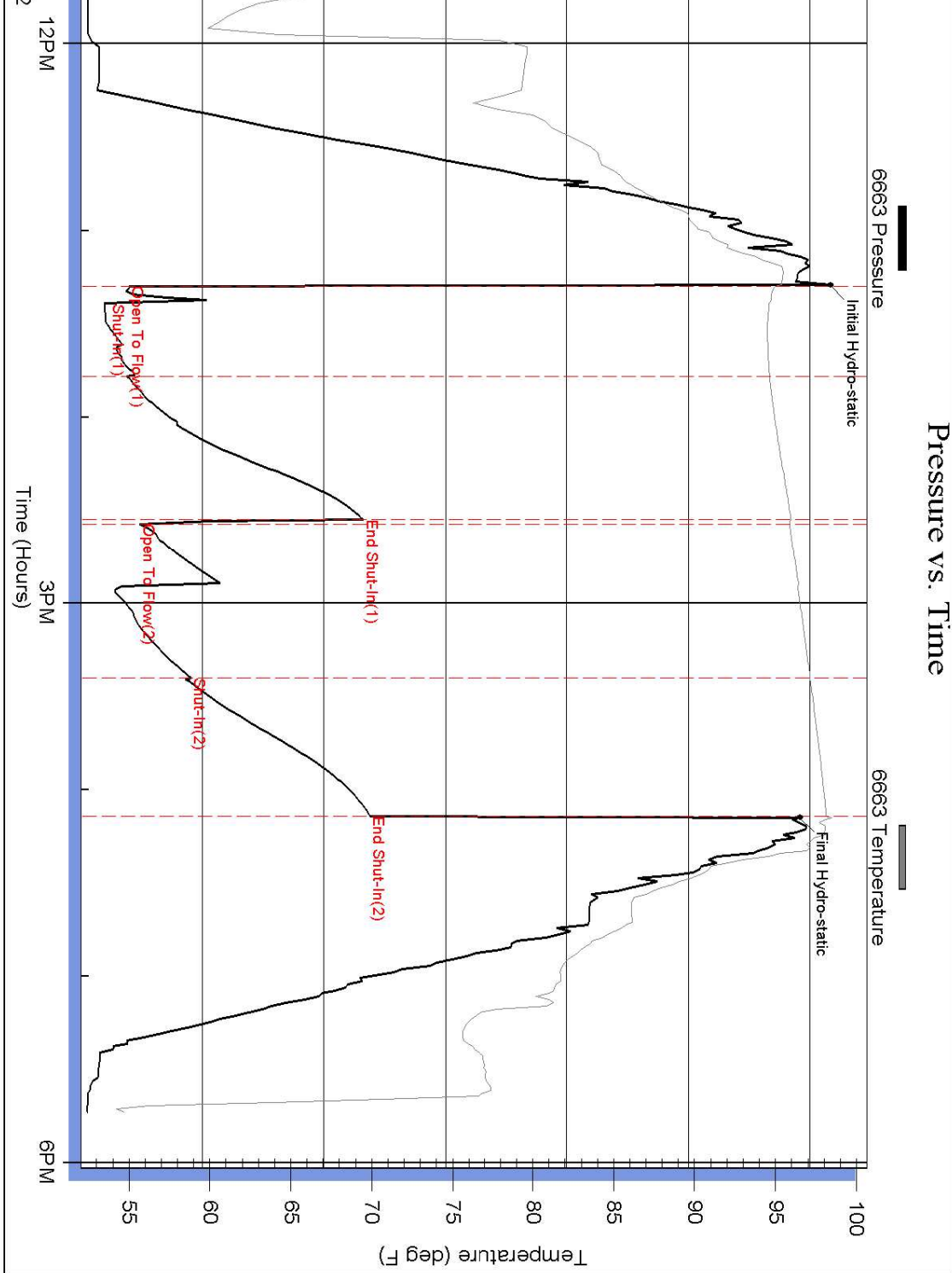
Ref. No: 17862

Printed: 2012.10.30 @ 04:06:30

DST # 1 EXPANDED CHART



Pressure vs. Time



Ref. No: 17862

Printed: 2012.10.30 @ 04:06:32

DST # 2 TEST SUMMARY



DRILL STEM TEST REPORT

Carrie Exploration & Development
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

34-19s-11w-Barton
Thomas Farms C-3
 Job Ticket: 17851 **DST#: 2**
 Test Start: 2012.10.30 @ 01:35:00

GENERAL INFORMATION:

Formation: **Lancing C-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:05:30
 Time Test Ended: 08:09:30

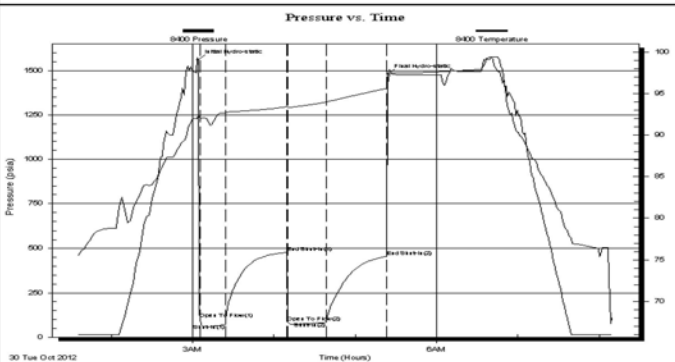
Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25

Interval: 3080.00 ft (KB) To 3125.00 ft (KB) (TVD)
 Total Depth: 3125.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1781.00 ft (KB)
 1773.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press@RunDepth: 83.70 psia @ 3122.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.30 End Date: 2012.10.30 Last Calib.: 2012.10.30
 Start Time: 01:35:00 End Time: 08:09:30 Time On Btm: 2012.10.30 @ 03:04:00
 Time Off Btm: 2012.10.30 @ 05:24:00

TEST COMMENT: 1st Open 24 minutes Strong blow bottom bucket less than 1 minutes
 1st Shut in 45 minutes Yes blow back
 2nd Open 30 minutes Strong blow blew bottom bucket instantly.
 2nd Shut in 45 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1560.89	92.42	Initial Hydro-static
2	105.13	92.08	Open To Flow (1)
20	72.20	92.70	Shut-In(1)
66	478.70	93.41	End Shut-In(1)
67	86.47	93.30	Open To Flow (2)
95	83.70	93.97	Shut-In(2)
140	456.40	95.63	End Shut-In(2)
140	1479.81	96.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud cut gassy oil	0.84
0.00	Gas 5% Oil 3% Mud 92%	0.00
60.00	Gas cut oily mud	0.84
0.00	Gas 77% Oil 3% Mud 20%	0.00
0.00	Gas to surface in 22 minutes into the pi	0.00

Gas Rates

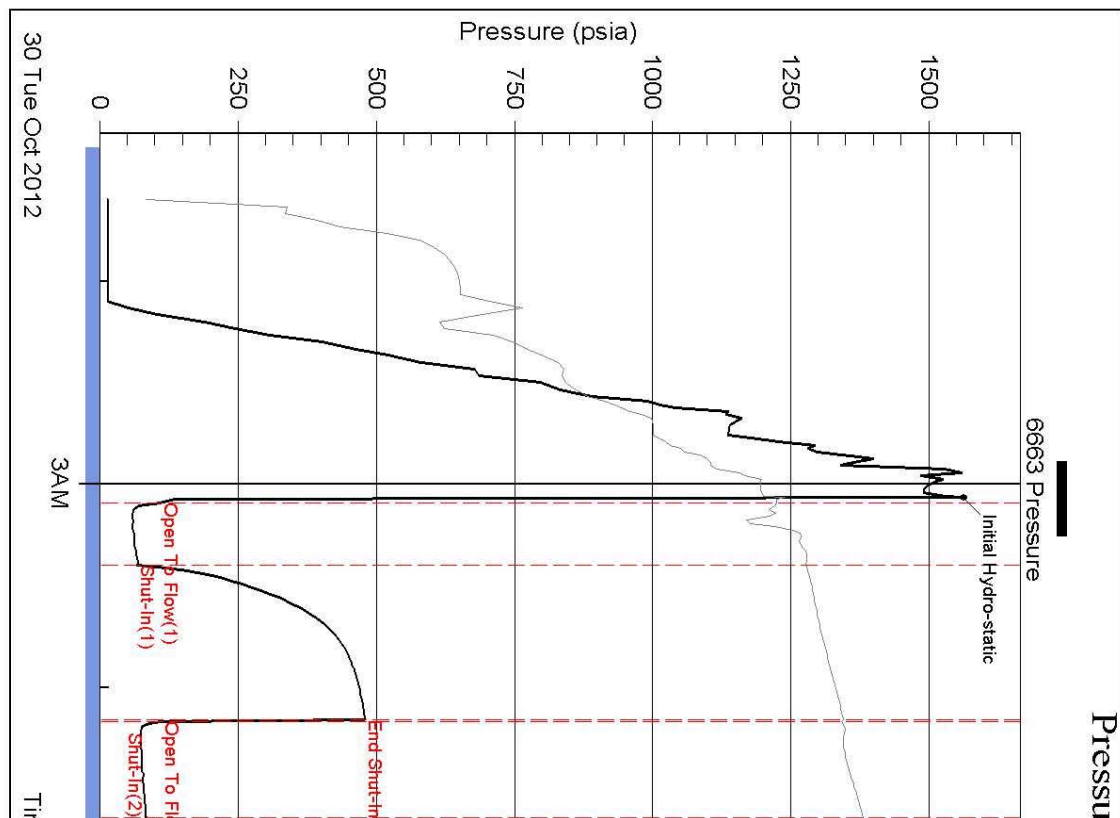
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	3.90	26.31
Last Gas Rate	0.38	3.00	10.99
Max. Gas Rate	0.50	3.90	26.31

Superior Testers Enterprises LLC

Ref. No: 17851

Printed: 2012.10.30 @ 18:32:19

DST # 2 EXPANDED CHART



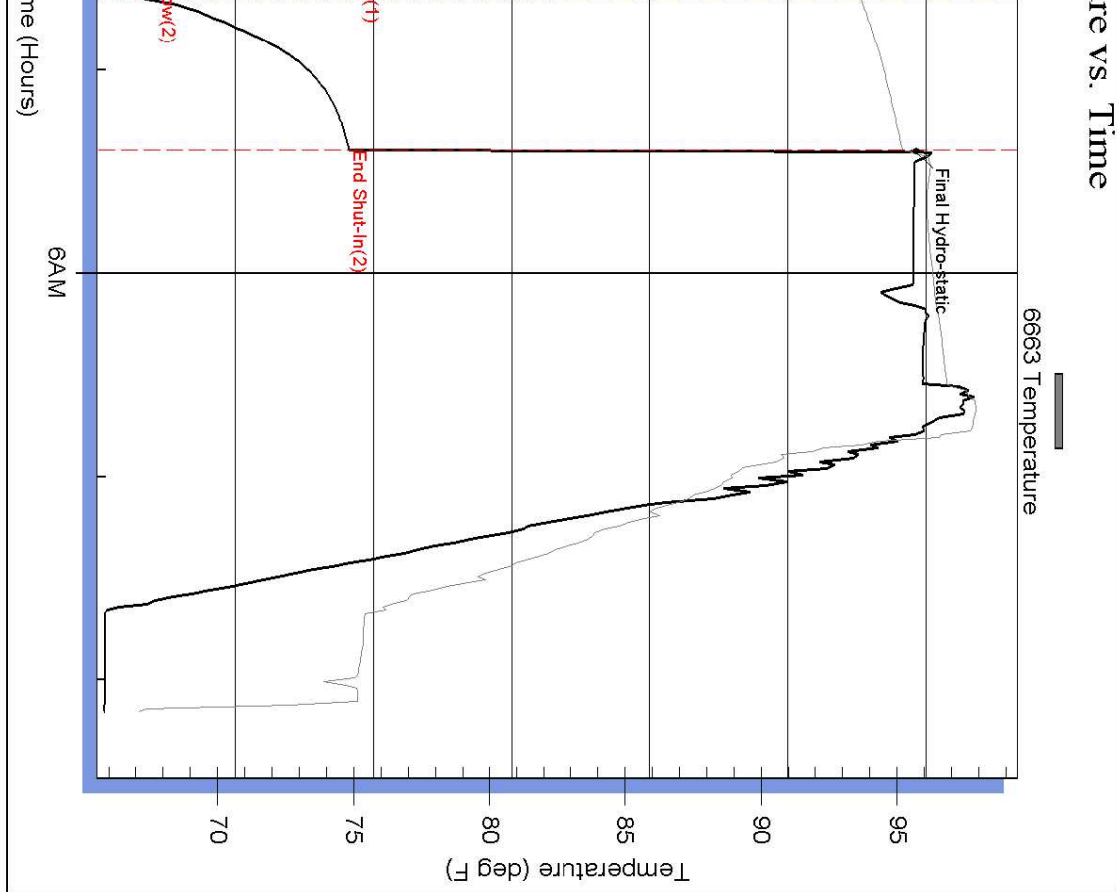
Serial #: 6663

Inside

Carrie Exploration & Development

Superior Testers Enterprises LLC

Ref. No: 17851



Printed: 2012.10.30 @ 18:32:20

ROCK TYPES

- | | | | | |
|----------|-----------|------------|------------|----------|
| Cht vari | Chtcongl | Lmst fw7> | Carbon Sh | Calc Dol |
| Clystgy | Dolprim | shale, grn | shale, red | Lscongl |
| Clystcol | Lmst fw<7 | shale, gry | Ss | |

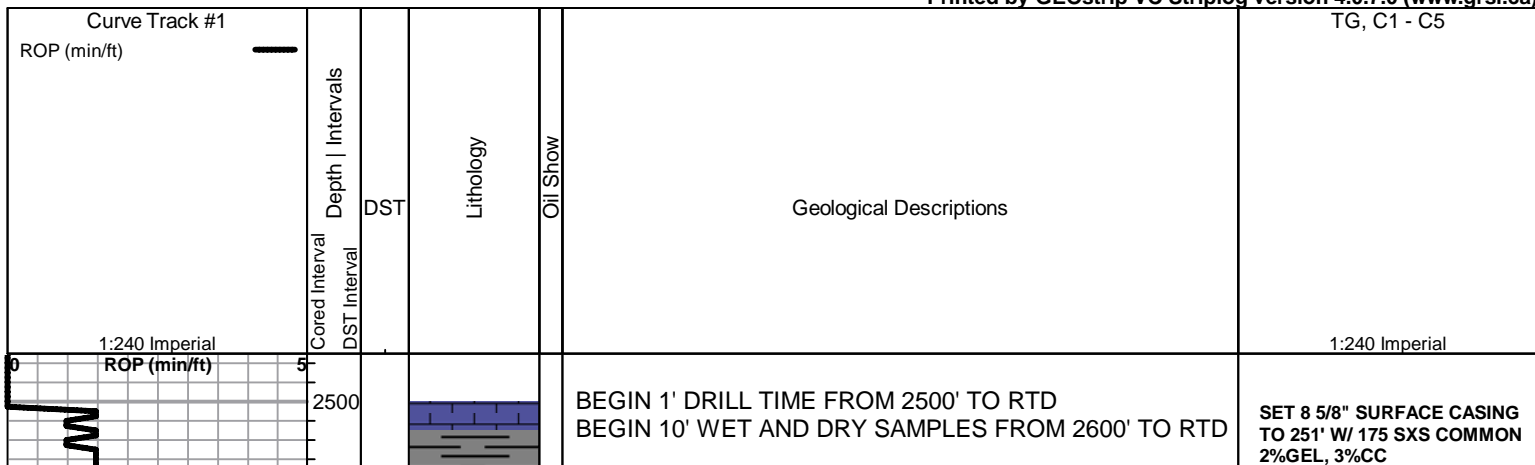
ACCESSORIES

- | | |
|----------------|---------------|
| MINERAL | FOSSIL |
| Chert, dark | Oolite |
| Pyrite | Oomoldic |
| Chert White | |

OTHER SYMBOLS

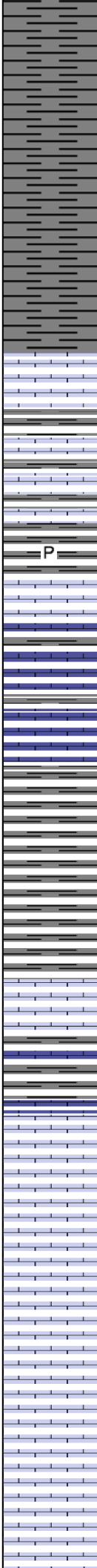
- DST**
- DST Int
 - DST alt
 - Core

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)

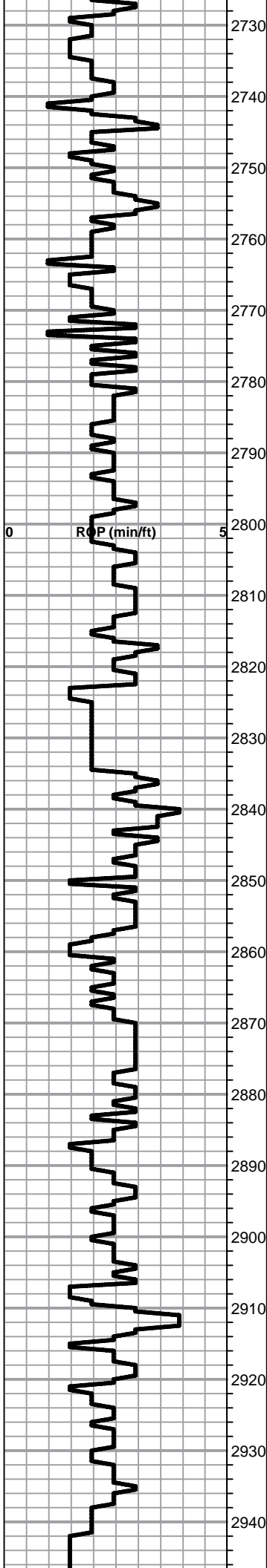


2510
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2690
2700
2710
2720

0 ROY (ft) 5



- Shale, med gray, soft, pyrite clusters
- Lime, lt-med brn, fnxln, fossiliferous in part
- Lime, lt brn-lt grayish brn, fnxln, slightly fossiliferous
- Lime, med brn-gray, shaley, fnxln, slightly fossiliferous
- Shale, med gray, soft, calcareous in transition zone, slightly fossiliferous
- Shale, lt gray, soft, scattered lt gray sandstone clusters, poorly sorted, glauconitic, no staining, NSFO or odor
- Lime, lt-med brn, fnxln-slightly granular in part
- Lime, lt grayish brn, fnxln, hard on crush in part
- Lime, lt brn-lt grayish brn, fnxln, slightly fossiliferous
- Lime, lt brn-lt grayish brn, fnxln, slightly fossiliferous
- Lime,lt-med brn, fnxln-granular in part, slightly fossiliferous
- Lime, lt brn, fnxln-granular, slightly fossiliferous
- Lime, lt brn-lt grayish brn, fn-vfxln
- Lime, lt brn, fnxln, bedded chalk in part, slightly fossiliferous
- Lime, lt brn, fnxln, slightly fossiliferous



Lime, lt-med brn, fnxln-granular in part, slightly fossiliferous

Lime, lt-med brn-grayish brn, fnxln

Shale, lt-dark gray, soft blocky, pyrite clusters in part

Lime, lt-med brn, fnxln

Shale, lt-med gray-grayish green, soft, blocky

Lime, lt-med brn, fnxln, fossiliferous in part

Shale, dove gray-med gray, soft blocky-sticky clumps

Lime, lt brn-lt grayish brn,fn-vfxln, hard on crush, slightly fossiliferous

Lime, lt-med brn, fnxln, slightly fossiliferous in part

Lime, lt brn-grayish brn, fnxln-granular in part, slightly fossiliferous

Shale, lt-med gray, soft slivers

Lime, lt brn, fnxln-granular in part, chalky

Shale, black carbonaceous, fissile, blocky

Lime,crm-lt brn, fnxln-granular, bedded chalk, slightly fossiliferous in part

Lime, med brn, fnxln-granular

Lime, med brn, fnxln

Lime, crm-lt brn, fnxln-granular in part, bedded chalk in part

Lime, crm-lt brn, fnxln-granular, scattered bedded chalk

Lime, crm-lt brn, fnxln, scattered bedded chalk, NS

Lime, crm-lt brn, fnxln, scattered bedded chalk, NS

Lime, crm-lt brn, fnxln, scattered bedded chalk, NS

Lime, crm-lt brn, fnxln, scattered bedded chalk, NS

HEEBNER SHALE SPL 2906-1125

Shale, black carbonaceous, fissile, blocky

Lime, med brn, vfxln, slightly fossiliferous

Shale, lime green forming soft mud

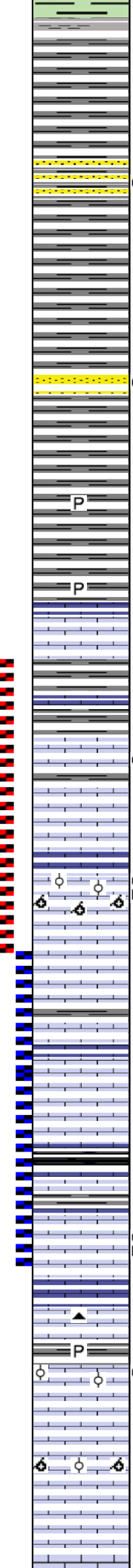
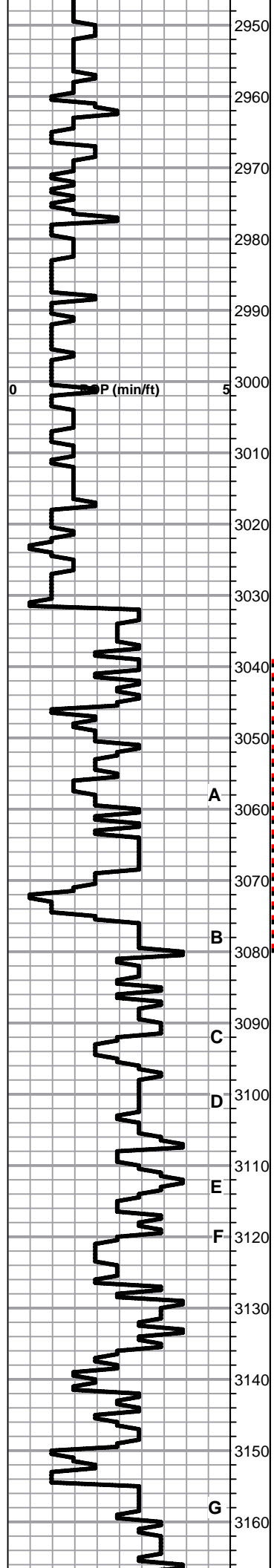
TORONTO SPL 2923-1142

Lime, crm, fnxln-granular in part, chalky, NS

Lime, crm-tan, fnxln-granular, chalk in part, NS

DOUGLAS SHALE SPL 2937-1156

Shale, red, soft mud with mix of green and gray shales



2950 Shale, dove gray-lime green, forming soft sticky clusters

2960 Shale, lt gray, soft blocky-soft mud clusters

2970 Shale, lt-med gray, soft blocky
 Sandstone, gritty, poorly sorted, lt gray, with scattered to saturated stain in part

2980 Shale, lt gray, soft blocky

2990 Shale, lt gray, soft blocky

3000 Sandstone called off log, not seen in circulating samples. Slough in lower samples showed sandstone clusters with fine grain, poorly sorted, micaceous, sandstone with bleeding show of oil

3010 Shale, lt gray, soft blocky with clusters of pyrite

3020 Shale, lt gray, soft blocky

3030 **BROWN LIME SPL 3031-1250**

Lime, med brn, fn-vfxln, slightly fossiliferous

3040 Shale, lt gray, soft forming stickly clumps in part

3050 **LKC SPL 3050-1269**

Lime, lt-med brn, fnxln with fine vuggy and interxln porosity, vlt scattered staining, NFO, no detectable odor

3060 Lime, lt-med brn, fnxln

3070 Lime,lt-med brn, fnxln grading into oolitic and oolmoldic lime, lt scattered staining, lt halo wet cut, NFO, very lt to no detectable odor.

3080 Lime, med brn , fn-vfxln

3090 Lime, tan-lt brn, fnxln

3100 Lime, lt-med brn, fnxln fossiliferous

3110 Shale, gray-black carbonaceous
 Lime, lt-md brn, fnxln

3120 Lime, brn-shaley gray, fnxln, NFO, No detectable odor, good wet cut with immediate, expanding ring of fluorescence.

3130 Lime, med brn, fn-vfxln, slightly fossiliferous in part

3140 Lime, brn-grayish brn, fnxln

3140 Lime, med brn-shaley gray, fnxln-granular, scattered lt staining with mostly barren material, NFO or odor

3150 Lime, lt-med brn, fnxln grading into oolitic/oomoldic zone with bedded chalk, NS, No Odor

3160 Lime, lt-med brn,fn-vfxln, hard on crush, scattered bed chalk

DST # 1 3039' TO 3081' SEE HEADER FOR TEST SUMMARY

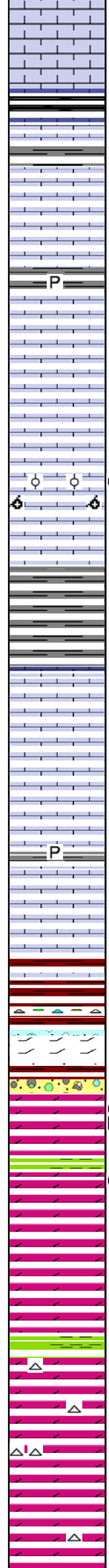
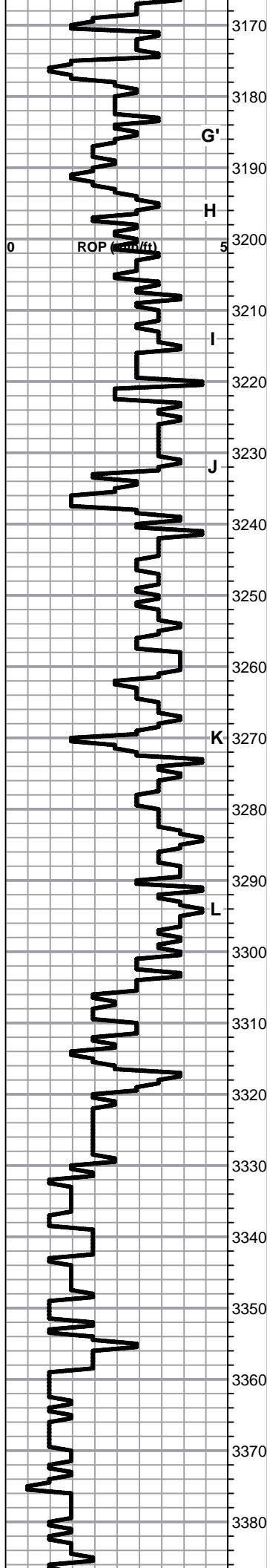
LOG INTERVAL 3051-55 SHOWS SOME PERMEABILITY ISSUES BUT SHOULD BE PERFORATED AND TESTED.

LOG INTERVAL 3066-70 SHOULD BE PERFORATED AND TESTED

DST # 2 3080' TO 3125' SEE HEADER FOR TEST SUMMARY

LOG INTERVAL 3088-90 IS THINLY DEVELOPED BUT PRODUCTIVE IN AREA. ZONE SHOULD BE PERFORATED AND TESTED.

LOG INTERVAL 3131-33 THINLY DEVELOPED WITH POSSIBLE PERMEABILITY ISSUES BUT SHOULD BE TESTED PRIOR TO ABANDONMENT OF WELL



Lime, lt-med brn, fnxln, slightly fossiliferous

Shale, gray-black, blocky
Lime, med brn, vfxln, hard on crush

Lime, med brn, fnxln, hard on crush , few chips oolitic/oolimoldic, NS, No Odor noted.

Lime, med brn-grayish brn, fnxln, hard on crush

Shale, gray-black, hard

Lime, lt-med brn, fnxln with thin cemented oolitic beds

Lime, lt brn, fnxln, scattered chalk beds

Lime, lt-med brn, fn-vfxln, slight bed chalk

Lime, med brn, oolmoldic with trace of scattered stain in mostly barren zone, NFO or Odor

Lime, lt-med brn-grayish brn, fn-vfxln, slight bed chalk in pt

Shale, med gray, soft, blocky

Lime, med brn, fn-vfxln

Lime, lt-med brn, fn-vfxln

Lime, med-dark brn, fn-vfxln

Lime, lt-med brn, fnxln, pyritic

Lime, lt-med brn, fn-vfxln, slight chalk, hard on crush

BKC SPL 3300-1519

Shale, reddish brn, soft, blocky with clastic lime mix

Lime, lt gray, fn-vfxln

ARBUCKLE SPL 3320-1539

Dolomite, med brn, fnxln with gilsonitic deposits. Appears to be reworked interval, V lt odor in few chips with med-cxln interxln porosity.

Dolomite, lt brn, fnxln-fine granular, lt sulfur odor with lt scattered staining. Concerns about fine grained dolomite and sulfur odor vs regular petroleum odor

Dolomite, lt brn, fnxln-fine granular with increasing grain size of dolomite. lt sulfur odor

Dolomite, lt brn, fnxln-granular, NS

Dolomite, brn, fnxln with whtie chert, fresh, sharp

Dolomite, tan-lt brn, mostly fnxln with scattered sucrosic in part

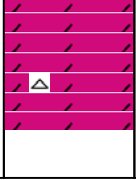
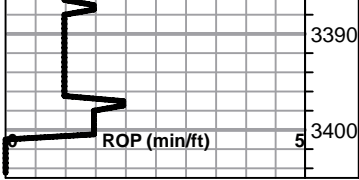
Dolomite, crm-lt brn, fnxln-granular in part

LOG INTERVAL 3184-88 SHOWS SOME PERMEABILITY DEVELOPMENT AND SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

LOG SHOWS THIS INTERVAL TO BE IMPERMEABLE

ALTHOUGH STRUCTURE HIGH, ARBUCKLE POORLY DEVELOPED WITH FINE GRAINED DOLOMITE TO 3335' LOG INTERVAL 3320-24 AND 3325-27 SHOULD BE TESTED PRIOR TO ABANDONMENT

HISTORIC OIL/WATER CONTACT AT 3336-1555



Dolomite, crm-lt brn, fnxln-granular in part

RTD 3400-1619 LTD 3398-1617



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 133323

Invoice Date: Oct 26, 2012

Page: 1

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

C
Pd # 3415



Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Carrie	Thomas Farms C-3	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Oct 26, 2012	11/25/12

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
188.74	SER	Cubic Feet	2.48	468.07
86.20	SER	Ton Mileage	2.60	224.12
1.00	SER	Surface	1,512.25	1,512.25
10.00	SER	Pump Truck Mileage	7.70	77.00
10.00	SER	Light Vehicle Mileage	4.40	44.00
1.00	CEMENTER	Dustin Chambers		
1.00	EQUIP OPER	Joshua Isaac		
1.00	EQUIP OPER	Joel Monahan		

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

\$ 1478.03

ONLY IF PAID ON OR BEFORE
Nov 20, 2012

Subtotal	5,912.14
Sales Tax	261.83
Total Invoice Amount	6,173.97
Payment/Credit Applied	
TOTAL	6,173.97

Surface Cement less 1,478.03
4

ALLIED OIL & GAS SERVICES, LLC 053584

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Green River, KS
10-27-19

Thomas James C-3

DATE <u>10-26-12</u>	SEC. <u>34</u>	TWP. <u>17S</u>	RANGE <u>16W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00</u>	JOB FINISH <u>2:30</u>
LEASE <u>Thomas James</u>	WELL# <u>C-3</u>	LOCATION <u>Ellenwood 1/2 E</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		<u>YUN BINTO</u>				<u>2.01</u>	<u>7.3</u>

CONTRACTOR Continued Drilling Right OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. _____

CASING SIZE 5 5/8 DEPTH 251.26

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH _____

TOOL DEPTH _____

PRES. MAX MINIMUM _____

MEAS. LINE SHOE JOINT _____

CEMENT LEFT IN CSG. 15 Pr

PERFS. _____

DISPLACEMENT 15 cu bbls fresh water

CEMENT

AMOUNT ORDERED 175 sks Class A

34cc 2 tagel

COMMON	<u>175</u>	@ <u>17.90</u>	<u>3,132.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u>	@ <u>64.00</u>	<u>384.00</u>
ASC		@	

EQUIPMENT

PUMP TRUCK CEMENTER Roger Chandler 1

224 HELPER Josh Isaac 2

BULK TRUCK # 410 DRIVER Joel Monahan 2

BULK TRUCK # _____ DRIVER _____

HANDLING	<u>188.74</u>	@	<u>2.44</u>	<u>468.03</u>
MILEAGE	<u>8.62 x 10%</u>	@	<u>2.60</u>	<u>224.13</u>
				TOTAL <u>4,278.87</u>

REMARKS:

Break circulation with air and pump 5 bbls fresh water

plug 175 sks Class A 34cc 2 tagel

Pipe line 15 cu bbls fresh water

plug in

cement left circulation

plug down 25.15

plug down

86.20

SERVICE

DEPTH OF JOB 251

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @ _____

MILEAGE NUM 10 @ 7.70 77.00

MANIFOLD NUM 10 @ 4.40 44.00

TOTAL 1633.25

CHARGE TO: Carrie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL _____

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.

SALES TAX (If Any) 261.82

TOTAL CHARGES 5,912.14

DISCOUNT 25% 1,478.03 IF PAID IN 30 DAYS

4,434.11

PRINTED NAME X Wesley P Saff

SIGNATURE X Wesley P Saff

Thank you !!



PAGE 1 of 1	CUST NO 1005952	INVOICE DATE 11/05/2012
INVOICE NUMBER 1718 - 91043464		

Pratt (620) 672-1201
 B CARRIE EXPLORATION & DEVELOPMENT LLC
 I 210 W 22ND ST
 L HAYS
 L KS US 67601
 T
 O **ATTN:** HEROLD

J LEASE NAME Thomas Farms C-3
O LOCATION
B COUNTY Barton
S STATE KS
I JOB DESCRIPTION Cement-New Well Casing/Pi
T JOB CONTACT

C

pd # 3408

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40530948	19905		Net - 30 days	12/05/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 11/01/2012 to 11/01/2012				
0040530948				
171807028A Cement-New Well Casing/Pi 11/01/2012				
Cement 5 1/2" Longstring				
AA2 Cement	140.00	EA	12.75	1,785.00 T
60/40 POZ	30.00	EA	9.00	270.00 T
C-41P	33.00	EA	3.00	99.00 T
Salt	642.00	EA	0.38	240.75 T
C-44	99.00	EA	3.86	382.39 T
FLA-322	66.00	EA	5.63	371.25 T
Gilsonite	700.00	EA	0.50	351.75 T
Celloflake	35.00	EA	2.78	97.13 T
"Flow-Seal 11 (Sodium Silicate), 12% Sol	330.00	EA	4.50	1,485.00 T
"5 1/2"" Port Collar "	1.00	EA	2,624.99	2,624.99
"Latch Down Plug & Baffle, 5 1/2"" (Blu	1.00	EA	300.00	300.00
"Auto Fill Float Shoe 5 1/2"" (Blue)"	1.00	EA	270.00	270.00
"Turbolizer, 5 1/2"" (Blue)"	7.00	EA	82.50	577.50
"5 1/2"" Basket (Blue)"	2.00	EA	217.50	435.00
"Unit Mileage Chg (PU, cars one way)"	60.00	MI	3.19	191.25
Heavy Equipment Mileage	120.00	MI	5.25	630.00
"Proppant & Bulk Del. Chgs., per ton mil	474.00	EA	1.20	568.80
Depth Charge; 3001-4000'	1.00	EA	1,620.00	1,620.00
Blending & Mixing Service Charge	170.00	BAG	1.05	178.50
Casing Swivel Rental	1.00	EA	150.00	150.00
Plug Container Util. Chg.	1.00	EA	187.50	187.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

PLEASE REMIT TO: BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	SEND OTHER CORRESPONDENCE TO: BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702	SUB TOTAL 12,947.06 TAX 371.01 INVOICE TOTAL 13,318.07
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BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>CARRIE Explor + Dev. LLC</i>		Lease No.		Date <i>11-1-12</i>	
Lease <i>Thomas Farms</i>		Well # <i>C-3</i>			
Field Order # <i>07028A</i>	Station <i>Pratt</i>	Casing <i>5 1/2"</i>	Depth <i>3389'</i>	County <i>Barton</i>	State <i>Ks</i>
Type Job <i>5 1/2" L.S.</i>	Formation <i>CNW</i>	TD <i>3398'</i>		Legal Description <i>34-19-11</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2"</i>	Tubing Size	Shots/Ft		Acid <i>330 gal F10-chem 21</i>	RATE	PRESS	ISIP	
Depth <i>3389'</i>	Depth	From	To	Pre Pad <i>140 SKS AA2</i>	Max <i>15.3 #</i>		5 Min.	
Volume <i>82</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>1500 #</i>	Max Press	From	To	Frac <i>30 SKS 60/40 P22 Plug R.H.</i>	Avg <i>14.4 #</i>		15 Min.	
Well Connection <i>PC</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3389'</i>	Packer Depth	From	To	Flush <i>Disp H 20</i>	Gas Volume		Total Load	

Customer Representative <i>Ron Herald</i>			Station Manager <i>SCOTT</i>			Treater <i>Allen</i>		
Service Units	<i>28443</i>	<i>19903</i>	<i>19905</i>	<i>70959</i>	<i>19918</i>			
Driver Names	<i>Allen</i>	<i>Mike</i>	<i>Mathal</i>	<i>Dale</i>	<i>Phye</i>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>7:15 AM</i>					<i>on Loc. Discuss Safety, Setup Plans, Job</i>
					<i>Big Laying down Drill Pipe</i>
<i>10:33</i>					<i>Start 5 1/2" csg 14" shoe It. 25.12'</i>
					<i>w/ Float shoe + Baffle in collar.</i>
					<i>cent- 2-4-7-10-11-17-57</i>
					<i>BASKET # 4 + # 57 (USED Csg)</i>
					<i>Port Collar # 58 @ 1568.38'</i>
<i>12:45 pm</i>					<i>Tag TD Pickup To 3398' + circ</i>
					<i>w/ Rig + Rotate Pipe</i>
<i>120</i>	<i>200 #</i>		<i>5</i>	<i>5</i>	<i>Pump 5-BBL H2O spacer</i>
			<i>7.85</i>	<i>5</i>	<i>Pump 7.85-BBls Flochck 21</i>
			<i>5</i>	<i>5</i>	<i>Pump 5-BBL H2O space</i>
					<i>mix + pump 140 SKS AA2 cmt @ 15.3 #</i>
			<i>34</i>		<i>Finish mix washout Pump + Line</i>
<i>145</i>				<i>6 1/2</i>	<i>Drop L.D. Plug + Start Disp.</i>
	<i>600 #</i>			<i>6</i>	<i>caught LI at PSI 58 BBls out</i>
<i>200</i>	<i>1500 #</i>		<i>82</i>	<i>4 1/2</i>	<i>Plug Down</i>
					<i>Release PSI - OK</i>
			<i>7 1/2</i>		<i>Plug RATHole w/ 30 SKS 60/40</i>
					<i>WASH up equip.</i>
<i>300'</i>					<i>Job complete.</i>
					<i>thanks Allen, Mike, Dale!</i>

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620) 793-3536

INVOICE NUMBER:
C39195-IN

BILL TO:
CARRIE EXPLORATION & DEV.
210 WEST 22ND STREET
HAYS, KS 67601

LEASE: THOMAS 3

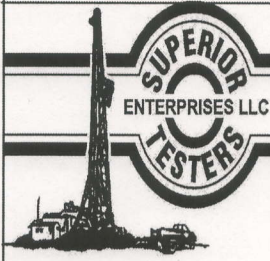
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DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
11/16/2012	C39195		11/13/2012		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
15.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	4.00	60.00
15.00	MI	CEMENT MILEAGE PU TRUCK		0.00	2.00	30.00
1.00	EA	CEMENT PUMP CHARGE		0.00	950.00	950.00
500.00	SAX	65-45 POZ MIX 2% GEL		0.00	9.25	4,625.00
18.00	SAX	4% ADDITIONAL GEL		0.00	22.00	396.00
518.00	EA	BULK CHARGE		0.00	1.25	647.50
343.50	MI	BULK TRUCK - TON MILES		0.00	1.10	377.85
		<i>12-17-12 # 3460</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		7,086.35
RECEIVED BY _____		NET 30 DAYS		BATCO Sales Tax:		69.35
				Invoice Total:		<u>7,155.70</u>

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code



DRILL STEM TEST REPORT

Carrie Exploration & Development

34-19s-11w-Barton

210 West 22nd Hays Kansas
67601

Thomas Farms C-3

Job Ticket: 17862

DST#: 1

ATTN: Herb

Test Start: 2012.10.29 @ 11:40:00

GENERAL INFORMATION:

Formation: **Lansing A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:18:00

Time Test Ended: 17:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend -25

Interval: 3039.00 ft (KB) To 3081.00 ft (KB) (TVD)

Reference Elevations: 1781.00 ft (KB)

Total Depth: 3081.00 ft (KB) (TVD)

1773.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Outside

Press@RunDepth: 170.32 psia @ 3078.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.10.29

End Date: 2012.10.29

Last Calib.: 2012.10.30

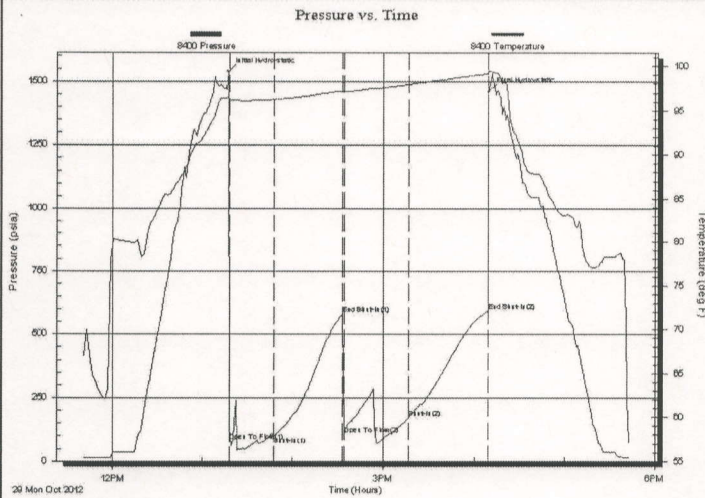
Start Time: 11:40:00

End Time: 17:43:30

Time On Btm: 2012.10.29 @ 13:17:30

Time Off Btm: 2012.10.29 @ 16:09:30

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 1 inch.
1st Shut in 45 minutes No blw o back
2nd Open 45 minutes Very weak surfac blow
2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1538.33	96.51	Initial Hydro-static
1	78.43	95.97	Open To Flow (1)
30	96.35	96.25	Shut-In(1)
76	580.78	97.24	End Shut-In(1)
77	106.28	97.07	Open To Flow (2)
119	170.32	97.95	Shut-In(2)
172	594.26	99.15	End Shut-In(2)
172	1459.99	99.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
26.00	Very Slightly oil cut mud 99% Mud 1% Oil	0.36

Gas Rates

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

Serial #: 6663

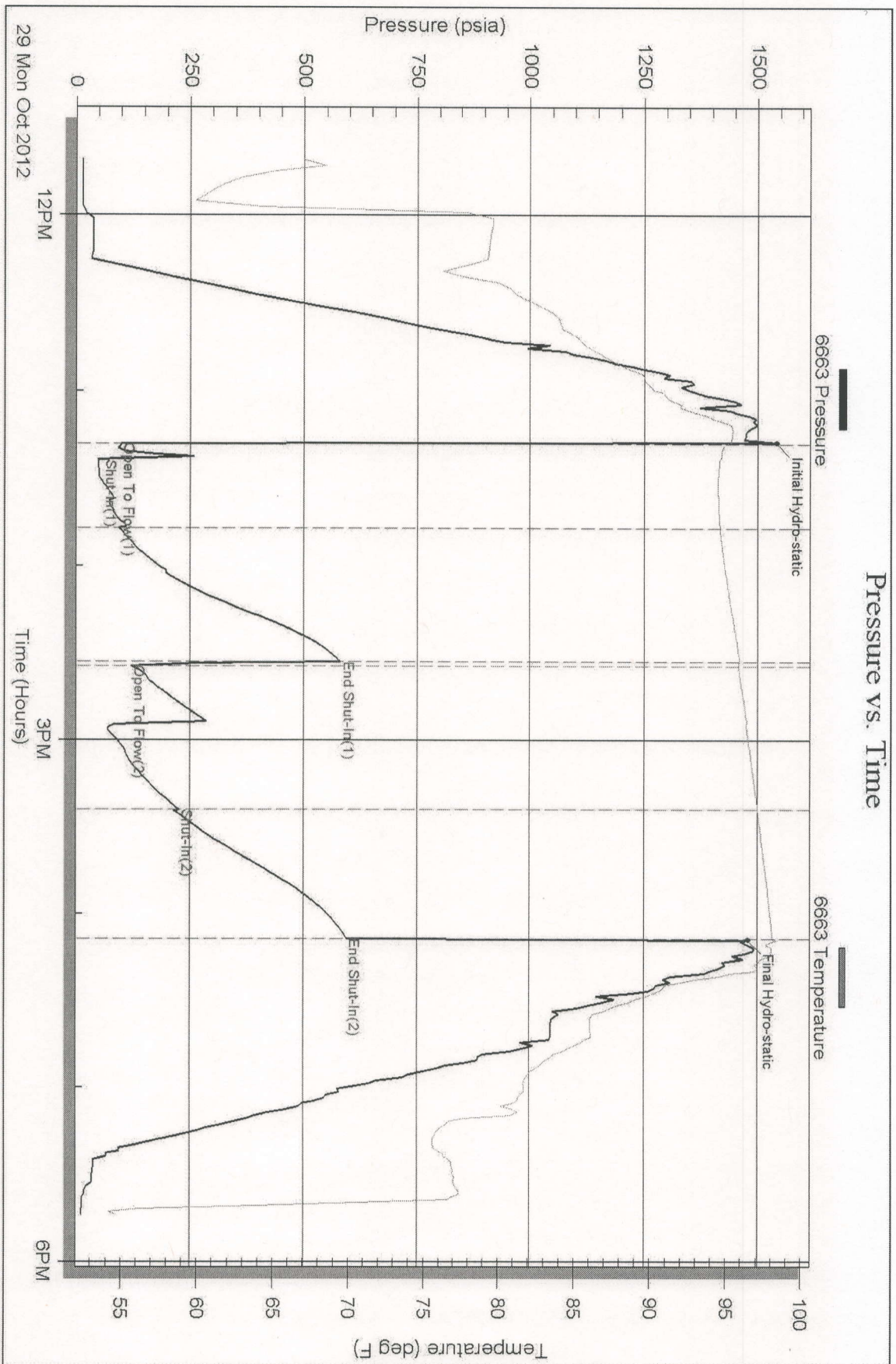
Inside

Carrie Exploration & Development

Thomas Farms C-3

DST Test Number: 1

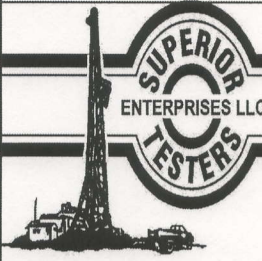
Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17862

Printed: 2012.10.30 @ 04:06:32



DRILL STEM TEST REPORT

Carrie Exploration & Development
 210 West 22nd Hays Kansas
 67601
 ATTN: Herb

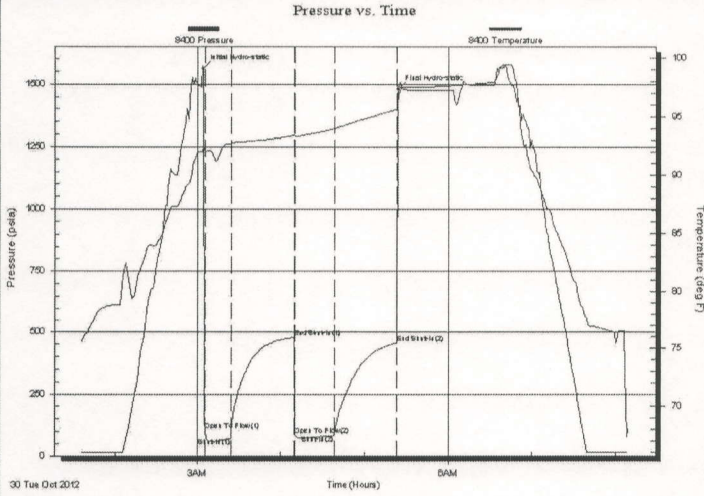
34-19s-11w-Barton
Thomas Farms C-3
 Job Ticket: 17851 **DST#: 2**
 Test Start: 2012.10.30 @ 01:35:00

GENERAL INFORMATION:

Formation: **Lancing C-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:05:30
 Time Test Ended: 08:09:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3080.00 ft (KB) To 3125.00 ft (KB) (TVD)**
 Total Depth: 3125.00 ft (KB) (TVD)
 Reference Elevations: 1781.00 ft (KB)
 1773.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press@RunDepth: 83.70 psia @ 3122.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.30 End Date: 2012.10.30 Last Calib.: 2012.10.30
 Start Time: 01:35:00 End Time: 08:09:30 Time On Btm: 2012.10.30 @ 03:04:00
 Time Off Btm: 2012.10.30 @ 05:24:00

TEST COMMENT: 1st Open 24 minutes Strong blow bottom bucket less than 1 minutes
 1st Shut in 45 minutes Yes blow back
 2nd Open 30 minutes Strong blow blew bottom bucket instantly.
 2nd Shut in 45 minutes Yes blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1560.89	92.42	Initial Hydro-static
2	105.13	92.08	Open To Flow (1)
20	72.20	92.70	Shut-In(1)
66	478.70	93.41	End Shut-In(1)
67	86.47	93.30	Open To Flow (2)
95	83.70	93.97	Shut-In(2)
140	456.40	95.63	End Shut-In(2)
140	1479.81	96.12	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	Mud cut gassy oil	0.84
0.00	Gas 5% Oil 3% Mud 92%	0.00
60.00	Gas cut oily mud	0.84
0.00	Gas 77% Oil 3% Mud 20%	0.00
0.00	Gas to surface in 22 minutes into the pi	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	3.90	26.31
Last Gas Rate	0.38	3.00	10.99
Max. Gas Rate	0.50	3.90	26.31

Serial #: 6663

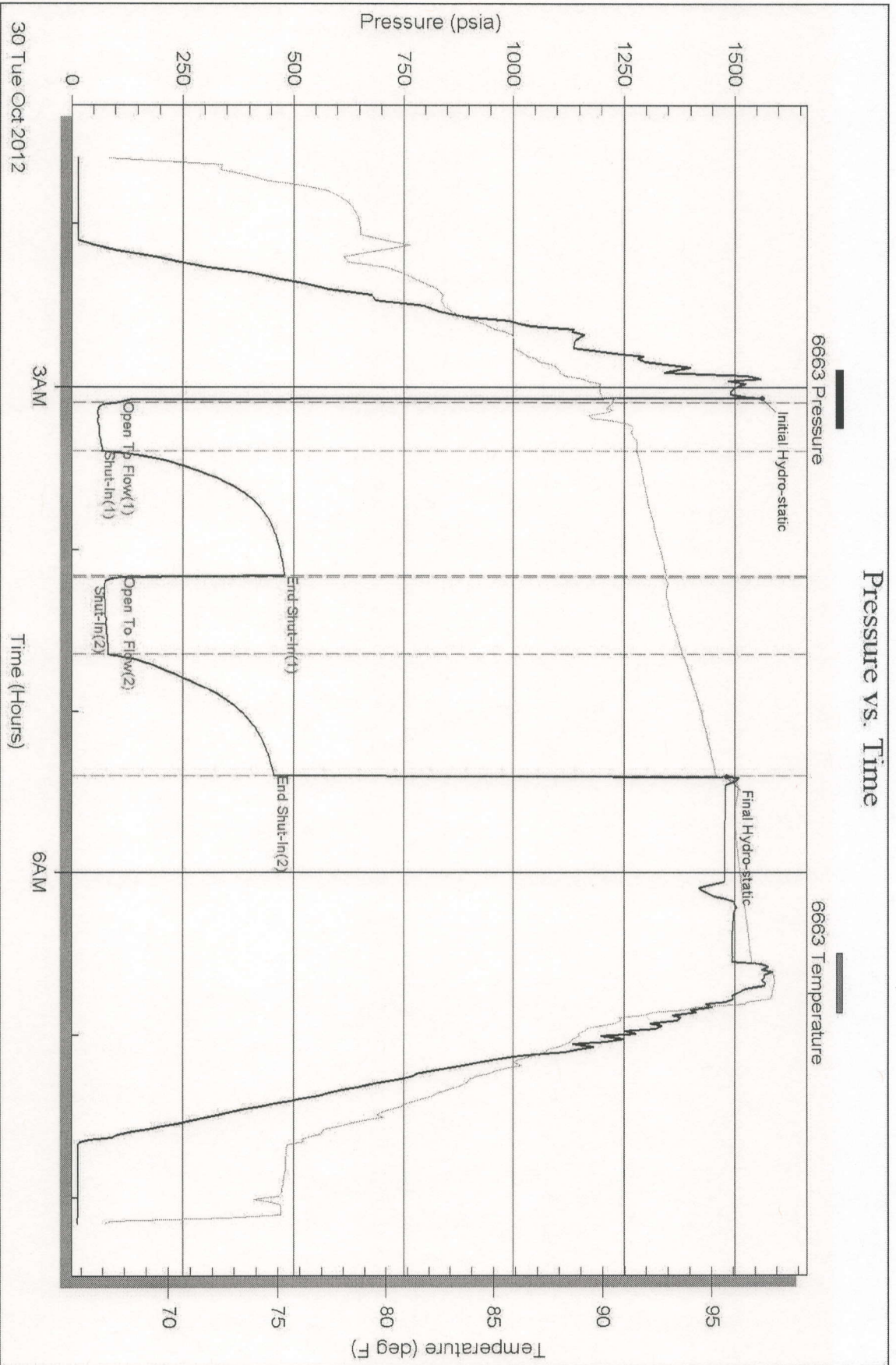
Inside

Carrie Exploration & Development

Thomas Farms C-3

DST Test Number: 2

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17851

Printed: 2012.10.30 @ 18:32:20