



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: _____



1082633

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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HERB DENES
CONSULTING GEOLOGIST
PH. 785-625-3800 HAYS, KS 67601

108 W. 35th ST.

COMPANY Chas. Silica STATE Kansas
WELL Chas. Silica # C-2
FIELD Chas. Silica

COUNTY Barton LOCATION 1301/1314 2300 E. 34th St. Hays, KS
LOGGING BY SEC 34 T19S R11W E1771
DATE 1-25-2018 LITHO 1-25-2018

Contractor Southland Drilling Inc. Hays, KS
Compass 1-25-2018 LTO 3422
RTD 3420 836" S110 2000' S110 2360' S110 3360' S110

Production Oil Oil

Daily Penetration Rate

Date	Depth	Activity	Date	Depth	Activity
1-25	138'	Run Spud S110 SP			
1-26	172'	ROD			
1-27	190'	DNG			
1-28	215'	DNG			
1-29	250'	DNG			
1-30	280'	DNG			
1-31	300'	DNG			
2-01	320'	DNG			
2-02	340'	DNG			

REMARKS: Recommendation To Run casing based on favorable structure and positive results of 4 DSTs.

Herb Denes

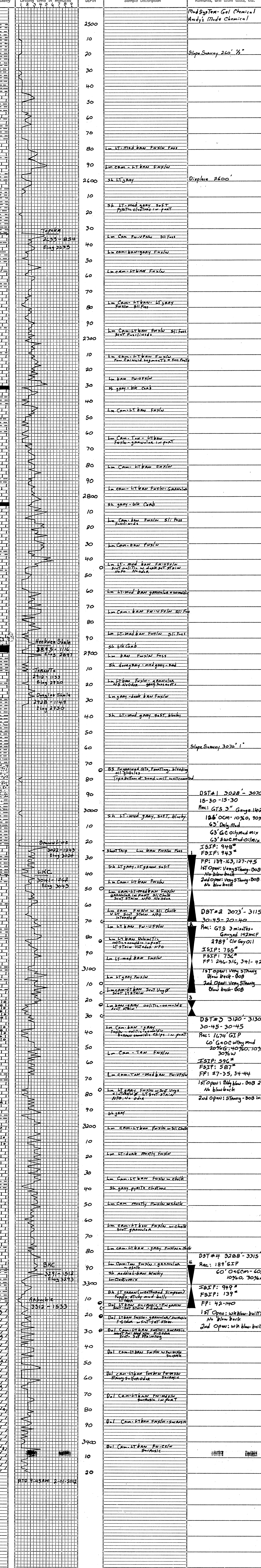
Formation	Sample	Log	Datum	* Formation	Sample	Log	Datum	*
Topoka	2633	2635	-856					
Heebner Shale	2875	2877	-1118					
Tanoto	2912	2920	-1161					
Douglas Shale	2928	2930	-1161					
Dogwood Lime	3022	3024	-1216					
LHC	3041	3043	-1244					
BAC	3291	3293	-1514					
Abuckley	3312	3314	-1533					
ATO	3420	3422	+1643					

* Structural Position to:

LEGEND

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SCALE " = 100'





C

Surface Casing

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 130018

Invoice Date: Jan 25, 2012

Page: 1

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

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

Federal Tax I.D.#: 20-8651475

pd
acc # 2953
2-18-12

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Carrie	Thomas Farms C #2	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Jan 25, 2012	2/24/12

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Class A Common	16.25	3,250.00
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
211.00	SER	Handling	2.25	474.75
10.00	SER	Mileage 211 sx @ .11 per sk per mi	23.21	232.10
1.00	SER	Surface	1,125.00	1,125.00
10.00	SER	Pump Truck Mileage	7.00	70.00
10.00	SER	Light Vehicle Mileage	4.00	40.00
1.00	EQUIP OPER	Greg Redetzke		
1.00	OPER ASSIST	Shane Konzem		
1.00	OPER ASSIST	Kevin Weighous		

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

\$ 1239.48

ONLY IF PAID ON OR BEFORE
Feb 19, 2012

Subtotal	5,684.25
Sales Tax	273.20
Total Invoice Amount	5,957.45
Payment/Credit Applied	
TOTAL	5,957.45

ALLIED CEMENTING CO., LLC. 042397

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>1-25-12</u>	SEC. <u>25</u>	TWP. <u>19s</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00 AM</u>	JOB FINISH <u>1:30 AM</u>
LEASE <u>Thomass Farms</u>		WELL # <u>C-2</u>	LOCATION <u>Ellinwood, KS 2 miles east, 1/4 north east info</u>			COUNTY <u>Darton</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR <u>Southwind #6</u>	OWNER <u>Carrie Exploration & Development</u>
TYPE OF JOB <u>Sur Face</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>258</u>
CASING SIZE <u>9 5/8</u>	DEPTH <u>258</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 FT.</u>	
PERFS.	
DISPLACEMENT	

CEMENT			
AMOUNT ORDERED	<u>200 SKS</u>	<u>Class A</u>	
	<u>3% cc</u>	<u>2% gel</u>	
COMMON	<u>200</u>	@ <u>16.25</u>	<u>3250.00</u>
POZMIX		@	
GEL	<u>4</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE	<u>7</u>	@ <u>58.20</u>	<u>407.40</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>211</u>	@ <u>2.25</u>	<u>474.75</u>
MILEAGE	<u>211 x 10 x .11</u>		<u>232.10</u>
TOTAL			<u>4449.25</u>

EQUIPMENT

PUMP TRUCK # <u>398</u>	CEMENTER <u>Greg K.</u>
	HELPER <u>Shane K.</u>
BULK TRUCK # <u>341</u>	DRIVER <u>Kevin W.</u>
BULK TRUCK #	DRIVER

REMARKS:

Pipe on bottom, break circulation with rig mud. Hook up mix 200 SKS Class A 3% cc 2% gel. Shut down, release plug and displace with 15.48 bbl fresh water. Shut in, cement lid circulate plug down @ 1:30 AM. Rig down.

SERVICE

DEPTH OF JOB	<u>258</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 10</u>	@ <u>7.00</u>	<u>70.00</u>
MANIFOLD		@	
	<u>Hum 10</u>	@ <u>4.00</u>	<u>40.00</u>
TOTAL			<u>1235.00</u>

CHARGE TO Carrie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Bottom Stage

Invoice

DATE	INVOICE #
2/1/2012	21635

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

- Acidizing
- Cement
- Tool Rental

*pd
Ch# 2964
2-27-12*

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Thomas Farm...	Barton	SouthWind Drillin...	Oil	Development	5-1/2" LongString	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				70	Miles	6.00	420.00
578D-L	Pump Charge - Long String - 3420 Feet				1	Job	1,500.00	1,500.00
402-5	5 1/2" Centralizer				8	Each	70.00	560.00T
403-5	5 1/2" Cement Basket				2	Each	250.00	500.00T
404-5	5 1/2" Port Collar - 1693 Feet				1	Each	2,400.00	2,400.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	350.00	350.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
280	Flocheck 21				330	Gallon(s)	2.50	825.00T
221	Liquid KCL (Clayfix)				5	Gallon(s)	25.00	125.00T
276	Flocele				44	Lb(s)	2.00	88.00T
283	Salt				900	Lb(s)	0.20	180.00T
284	Calseal				8	Sack(s)	35.00	280.00T
286	Halad-1 (Halad 9)				100	Lb(s)	7.50	750.00T
325	Standard Cement				175	Sacks	13.50	2,362.50T
581D	Service Charge Cement				175	Sacks	2.00	350.00
583D	Drayage				640.29	Ton Miles	1.00	640.29
	Subtotal							11,780.79
	Sales Tax Barton County						7.30%	647.55

We Appreciate Your Business!

Total

\$12,428.34

JOB LOG

SWIFT Services, Inc.

DATE 1 FEB 12 PAGE NO.

CUSTOMER CARRIE EXPLORATION

WELL NO.

LEASE THOMAS FARMS C-2

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 21635

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
2020	0000							ON LOCATION
	0000							START PIPE - 5 1/2 - 14 # RTD @ 3420 SHAFT 36.35 CENTRALIZERS 2, 3, 4, 6, 7, 8, 10, 40 CEMENT BASKETS - 3, 41 PORT COLLAR TOP OF ST # 41 @ 1693
	0235							DROP BALL CIRCULATE.
	0256	6	5				300	Pump 5 Bbl KCL FLUSH
		6	8				300	Pump 330 gal FLOCKCHECK
		6	15				300	Pump 15 Bbl KCL FLUSH
	0303		7					PLUG RW (30sx)
	0306	4	35					MIX 145sx EA2
	0319							WASH OUT PUMPING LINES.
	0321	6						START DISPLACE PLUG. FIRST 36 Bbl w/ KCL
	0335		8 1/2				1500	PLUG DOWN PSI UP LATCH PLUG IN.
	0338							RELEASE PSI DRY
	0340							WASH TRUCK
	0400							JOB COMPLETE THANKS # 110 JASON JEFF ROB

COPELAND

Acid & Cement

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

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

Invoice

POAT C/LAR

INVOICE NUMBER:
C38923-IN

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

LEASE: ~~THOMAS FARMS C-2~~

C

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
02/27/2012	C38923		02/20/2012		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 PUTRUCK		0.00	2.00	30.00
1.00	EA	CEMENT PUMP CHARGE		0.00	950.00	950.00
525.00	SAX	60-40 POZ MIX 2% GEL		0.00	9.25	4,856.25
10.00	SAX	2% ADDITIONAL GEL		0.00	20.00	200.00
1.00	EA	600# VALVE		0.00	4.50	4.50
1.00	EA	2 X 6" NIPPLE		0.00	45.00	45.00
535.00	EA	BULK CHARGE		0.00	1.25	668.75
354.00	MI	BULK TRUCK - TON MILES		0.00	1.10	389.40
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		7,203.90
RECEIVED BY _____		FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		BATCO Sales Tax:		72.96
		NET 30 DAYS		Invoice Total:		7,276.86

*pd 3-23-12
#3044*

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



TREATMENT REPORT

Acid Stage No.

Date 2/20/12 District G.B. F. O. No. C38923
 Company Carrie Exploration
 Well Name & No. Thames Farms C-2
 Location _____ Field _____
 County Berks State KS
 Casing: Size 5 1/2" Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size - Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No. Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. 2 1/4" Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks No. Used: Std. 320 Sp. _____ Twin _____
 Auxiliary Equipment 317/310
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____ Gal. _____ lb.

Company Representative Ron H. Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
10:00	2 7/8"	5 1/2"		On Loc.
:				
:				Part - collar @ 1,651'
:				Pressure up to 500# Open tool.
:				Mix 525 sks ^{60/40} 75 4% sel.
:				Displace w/ 8 1/2 hrs Circulated cement to surface.
:				Shut part-collar. Test to 1,000#
:				Run 5 jts Reverse out.
:				
:				Thank You!
:				Nathan W.



DRILL STEM TEST REPORT

GAS RATES

Carrie Exploration Development

34/ 19S/ 11W Barton Co

210 West 22nd Street
Hays, Kans
67601as

Thomas Farms #C-2

Job Ticket: 18827

DST#: 1

ATTN: Herb Deines

Test Start: 2012.01.29 @ 07:15:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	15	0.50	16.70	112.65
2	8	0.50	15.00	101.18
2	15	0.50	21.00	141.66

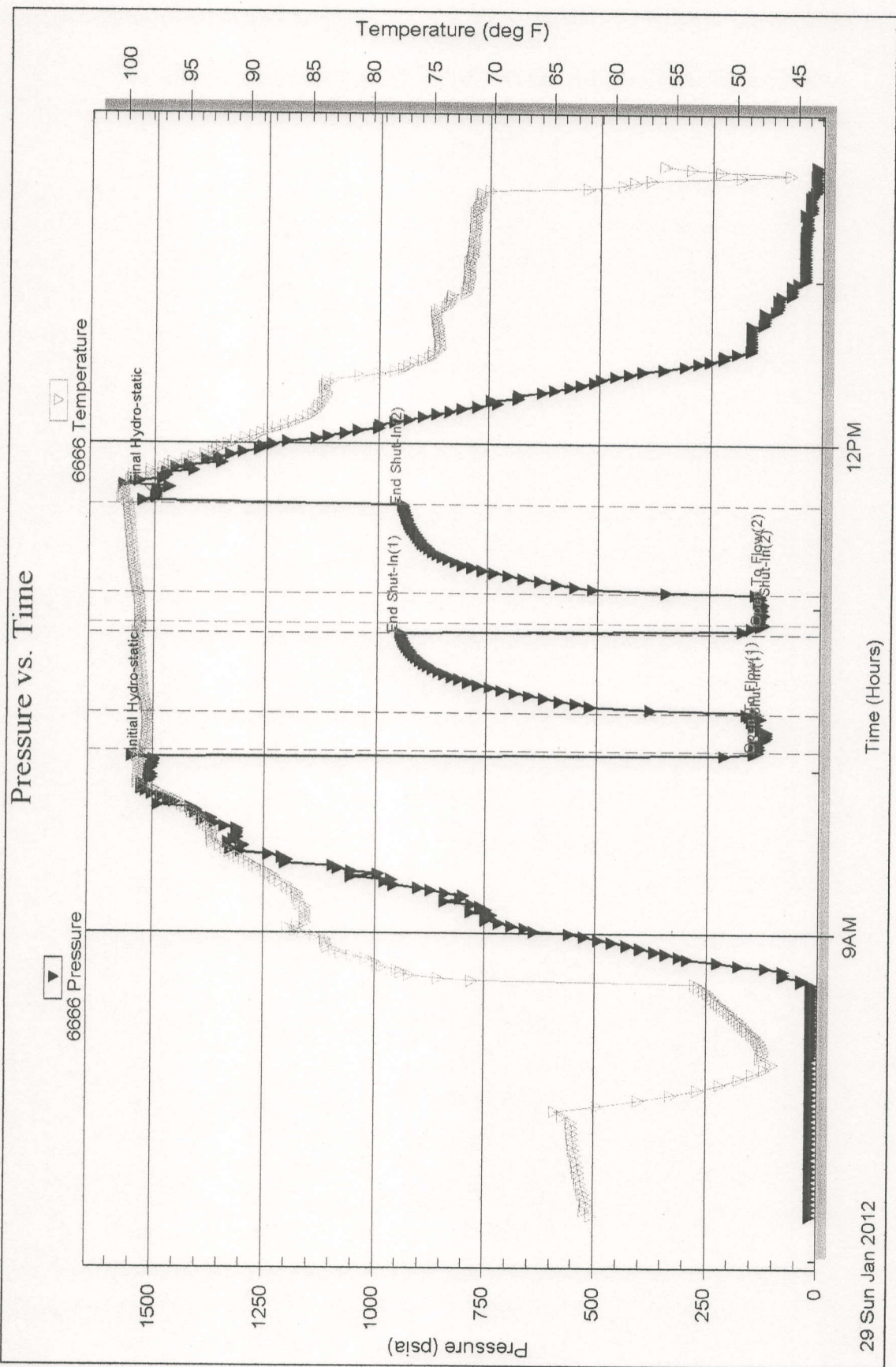
Serial #: 6666

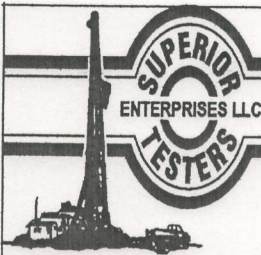
Outside

Carrie Exploration Development

Thomas Farms #C-2

DST Test Number: 1





DRILL STEM TEST REPORT

Carrie Exploration Development
 210 West 22nd Street
 Hays, Kans
 67601as
 ATTN: Herb Deines

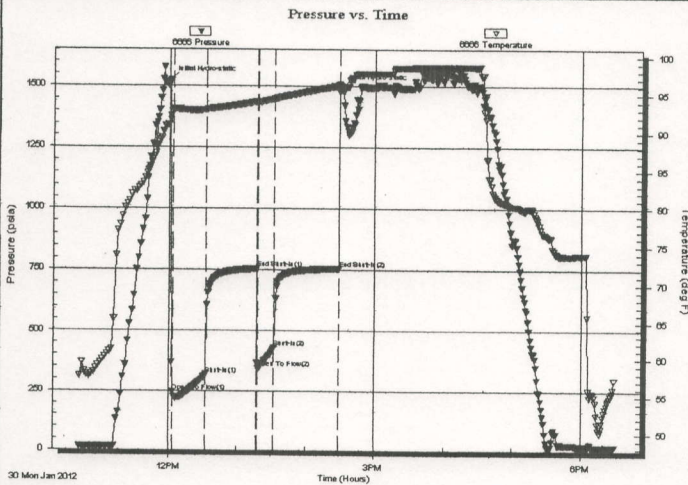
34/ 19S/ 11W Barton Co
Thomas Farms #C-2
 Job Ticket: 18828 **DST#: 2**
 Test Start: 2012.01.30 @ 10:40:00

GENERAL INFORMATION:

Formation: **Lansing "C,D,F" Zo**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:03:30
 Time Test Ended: 18:30:00
 Interval: **3073.00 ft (KB) To 3115.00 ft (KB) (TVD)**
 Total Depth: 3115.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dylan E Ellis
 Unit No: 3345/Great Bend/33
 Reference Elevations: 1779.00 ft (KB)
 1771.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6666 Outside
 Press@RunDepth: 428.50 psia @ 3111.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.30 End Date: 2012.01.30 Last Calib.: 2012.01.30
 Start Time: 10:40:00 End Time: 18:30:00 Time On Btm: 2012.01.30 @ 12:01:00
 Time Off Btm: 2012.01.30 @ 14:31:00

TEST COMMENT: 1ST Opening 30 Minutes very strong blow/blow blew to bottom of bucket instantly/gas to surface
 1ST Shut-In 45 Minutes yes surface
 2ND Opening 20 Minutes very strong blow /bottom of bucket instantly/Oil to surface in 12 minutes
 2ND Shut-In 40 Minutes yes surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1523.64	91.75	Initial Hydro-static
3	246.17	93.00	Open To Flow (1)
32	316.36	93.00	Shut-In(1)
76	755.82	94.10	End Shut-In(1)
77	341.20	94.04	Open To Flow (2)
92	428.50	94.45	Shut-In(2)
148	756.72	96.20	End Shut-In(2)
150	1493.18	96.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2989.00	Clean Gassy Oil	41.93
0.00	20% Gas 80% Oil	0.00
126.00	Light Oil cut Muddy Gas	
0.00	10% Oil/50% Mud/ 40% Gas	

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	21.00	141.66
Last Gas Rate	0.50	14.50	97.81
Max. Gas Rate	0.50	21.00	141.66



DRILL STEM TEST REPORT

GAS RATES

Carrie Exploration Development

34/ 19S/ 11W Barton Co

210 West 22nd Street
Hays, Kans
67601as
ATTN: Herb Deines

Thomas Farms #C-2

Job Ticket: 18828

DST#: 2

Test Start: 2012.01.30 @ 10:40:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
1	10	0.50	21.00	141.66
1	20	0.50	18.00	121.42
1	30	0.50	14.50	97.81

Serial #: 6666

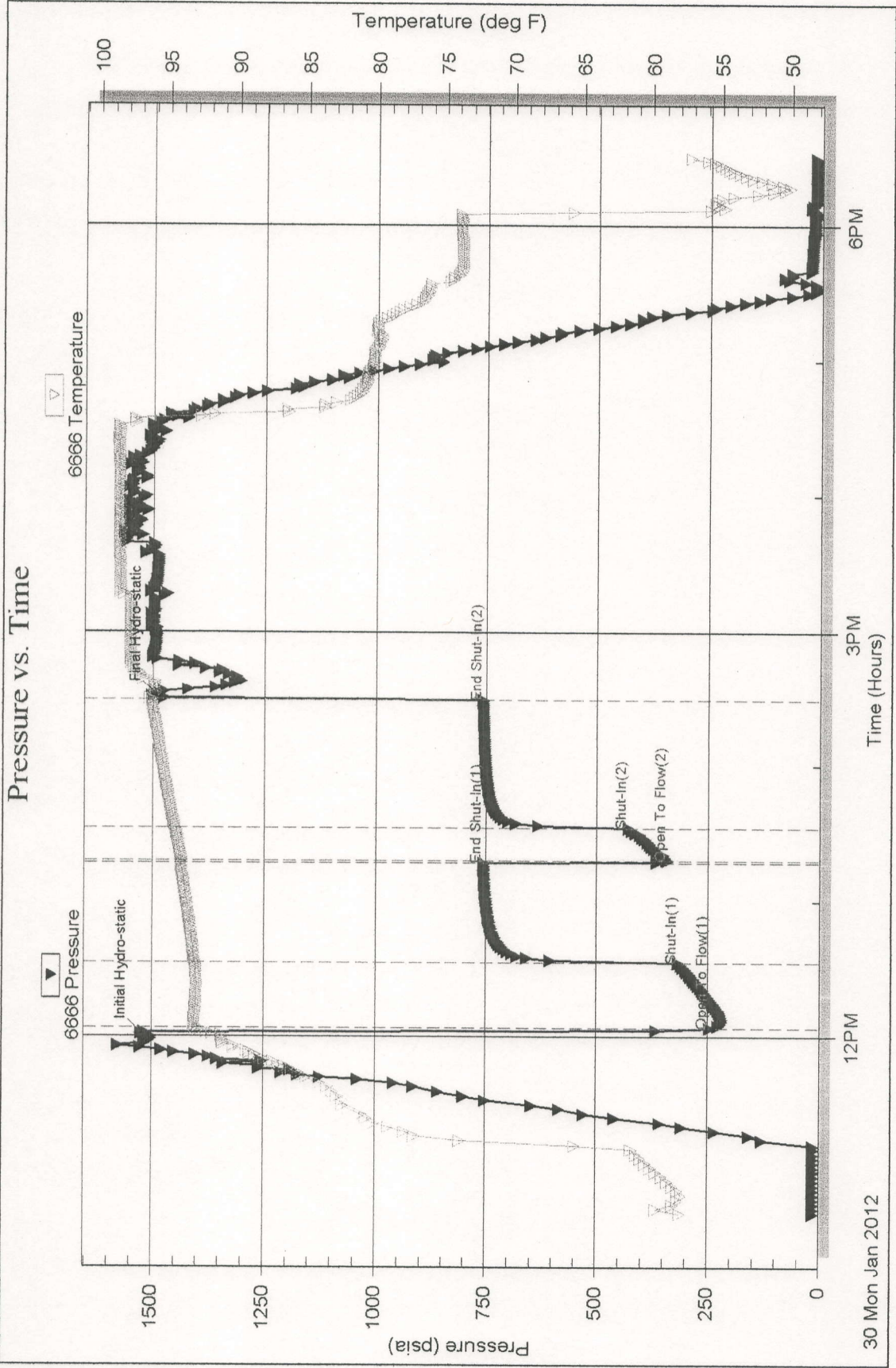
Outside

Carrie Exploration Development

Thomas Farms #C-2

DST Test Number: 2

Pressure vs. Time



Printed: 2012.01.30 @ 16:49:31

Ref. No: 18828

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

Carrie Exploration Development
 210 West 22nd Street
 Hays, Kans
 67601as
 ATTN: Herb Deines

34/ 19S/ 11W Barton Co

Thomas Farms #C-2

Job Ticket: 18827 **DST#: 1**
 Test Start: 2012.01.29 @ 07:15:00

GENERAL INFORMATION:

Formation: **Lansing "A+B" Zones**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:07:00

Time Test Ended: 13:42:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Great Bend/33

Interval: **3028.00 ft (KB) To 3070.00 ft (KB) (TVD)**

Total Depth: 3070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1779.00 ft (KB)

1771.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6666 Outside

Press@RunDepth: 145.53 psia @ 3066.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.01.29

End Date: 2012.01.30

Last Calib.: 2012.01.30

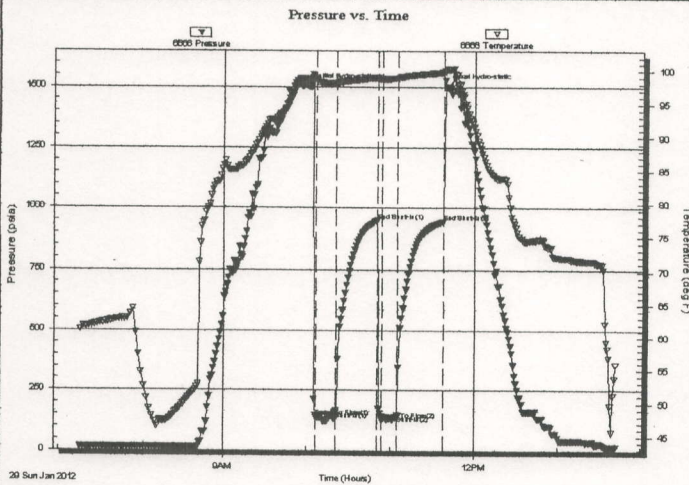
Start Time: 07:15:00

End Time: 13:42:00

Time On Btm: 2012.01.29 @ 10:01:30

Time Off Btm: 2012.01.29 @ 11:39:30

TEST COMMENT: 1ST Opening 15 Minutes very strong blow/blow blew to bottom of bucket in 20 seconds
 1ST Shut-in 30 Minutes no blow back
 2ND Opening 15 Minutes very very strong blow/blow blew to bottom of bucket instantly
 2ND Shut-in 30 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1499.40	98.80	Initial Hydro-static
6	139.12	98.72	Open To Flow (1)
20	163.63	98.13	Shut-in(1)
49	948.52	98.96	End Shut-in(1)
53	127.08	98.75	Open To Flow (2)
64	145.53	98.89	Shut-in(2)
96	943.68	99.78	End Shut-in(2)
98	1497.36	100.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Mud 100%	0.88
126.00	Oil cut Mud	1.77
0.00	10% Oil 90% Mud	0.00
63.00	Gas cut Oilly Mud mixture	0.88
0.00	30% Gas 70% Oilly-Mud Mixture	0.00
63.00	Light Water cut Muddy Oil Mixture	0.88

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.50	16.70	112.65
Last Gas Rate	0.50	21.00	141.66
Max. Gas Rate	0.50	21.00	141.66



DRILL STEM TEST REPORT

Carrie Exploration Development

34/ 19S/ 11W Barton Co

210 West 22nd Street
Hays, Kans
67601as
ATTN: Herb Deines

Thomas Farms #C-2

Job Ticket: 18829 DST#: 3
Test Start: 2012.01.31 @ 01:00:00

GENERAL INFORMATION:

Formation: **Lansing " G " Zone**

Deviated: **No** Whipstock: ft (KB)

Time Tool Opened: 02:42:00

Time Test Ended: 07:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Great Bend/33

Interval: **3120.00 ft (KB) To 3130.00 ft (KB) (TVD)**

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3130.00 ft (KB) (TVD)

1771.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Inside

Press@RunDepth: 586.27 psia @ 3127.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.01.31

End Date:

2012.01.31

Last Calib.:

2012.01.31

Start Time: 01:01:00

End Time:

06:52:30

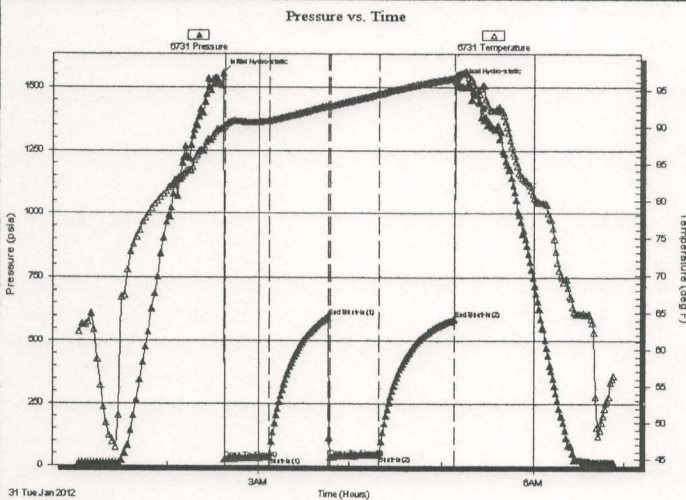
Time On Btm:

2012.01.31 @ 02:36:30

Time Off Btm:

2012.01.31 @ 05:10:00

TEST COMMENT: 1ST Opening 30 Minutes steady building blow /blow blew to bottom of bucket in 2 minutes
1ST Shut-In 45 Minutes no blow back
2ND Opening 30 Minutes very strong blow /blow blew to bottom of bucket instantly
2ND Shut-In 45 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1553.75	89.89	Initial Hydro-static
1	26.44	90.13	Open To Flow (1)
31	33.94	90.82	Shut-In(1)
70	595.97	92.87	End Shut-In(1)
71	32.74	92.83	Open To Flow (2)
103	43.03	94.41	Shut-In(2)
152	586.27	96.55	End Shut-In(2)
154	1519.44	96.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassy Oily Watery Mud	0.84
0.00	20% Gas 40% Oil 10% Mud 30% water	0.00
0.00	1674' Gas in the pipe	0.00

Gas Rates

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

DST Test Number: 3

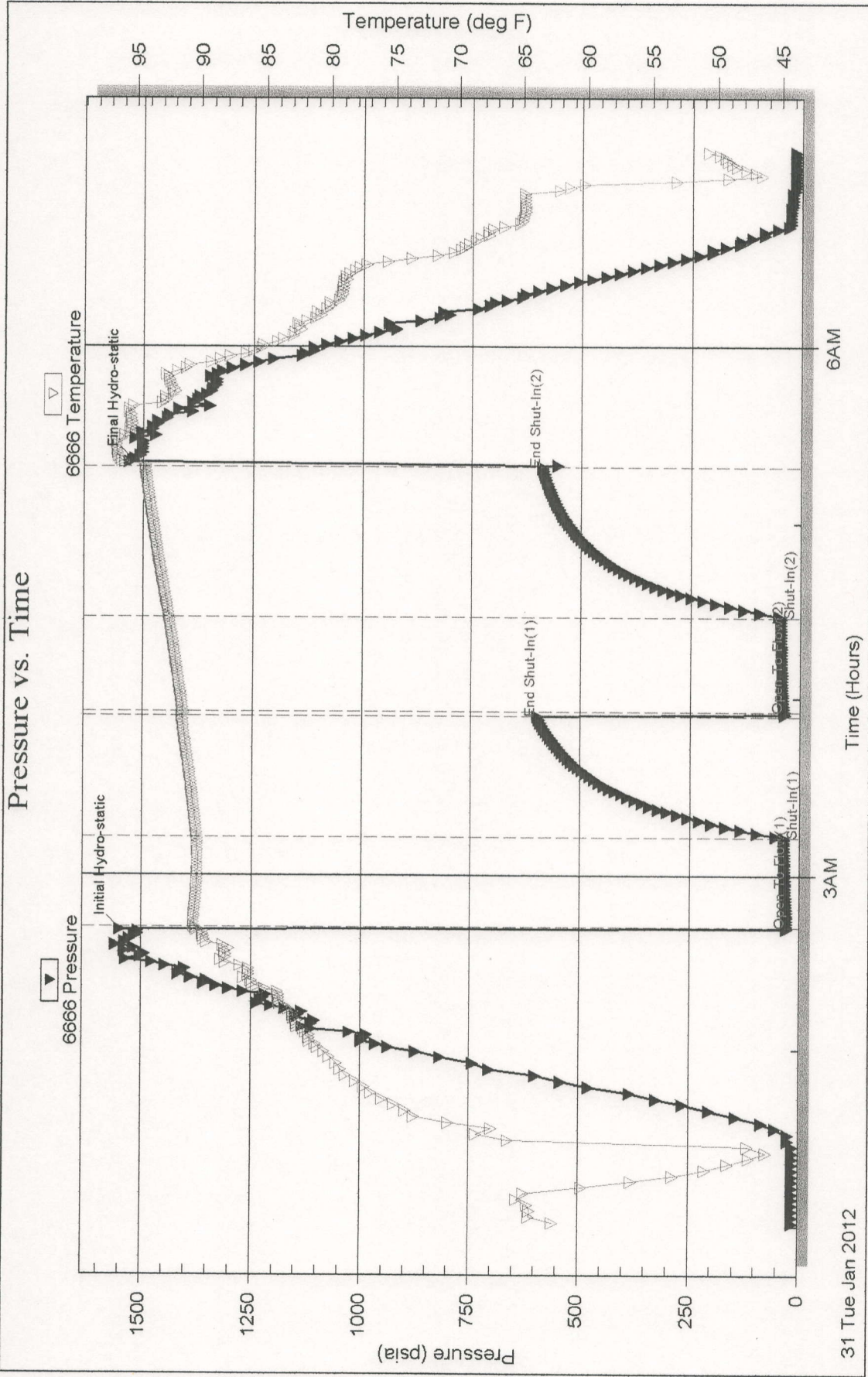
Thomas Farms #C-2

Carrie Exploration Development

Outside

Serial #: 6666

Pressure vs. Time

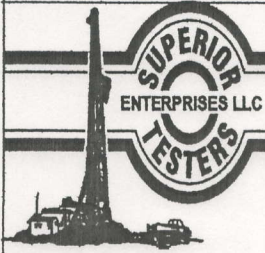


31 Tue Jan 2012

6AM

Time (Hours)

3AM



DRILL STEM TEST REPORT

Carrie Exploration Development

34/ 19S/ 11W Barton Co

210 West 22nd Street
Hays, Kans
67601as

Thomas Farms #C-2

Job Ticket: 18830 DST#: 4

ATTN: Herb Deines

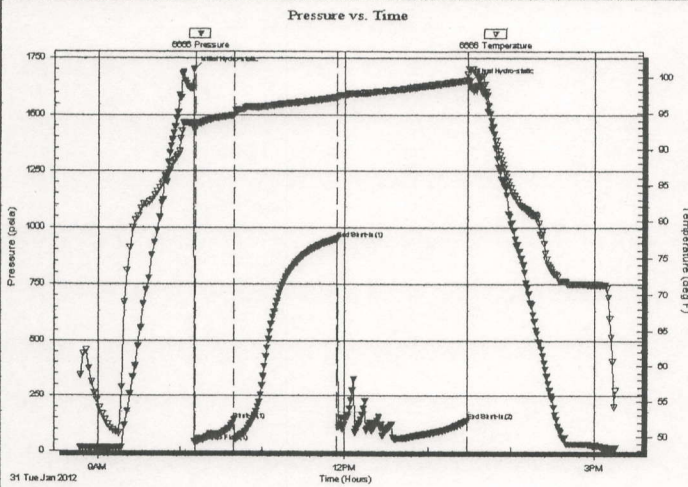
Test Start: 2012.01.31 @ 08:46:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:11:00
 Time Test Ended: 15:16:00
 Interval: **3288.00 ft (KB) To 3315.00 ft (KB) (TVD)**
 Total Depth: 3315.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dylan E Ellis
 Unit No: 3345/Great Bend/33
 Reference Elevations: 1779.00 ft (KB)
 1771.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **6666** Outside
 Press@RunDepth: 140.01 psia @ 3311.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.31 End Date: 2012.02.01 Last Calib.: 2012.02.01
 Start Time: 08:46:00 End Time: 15:16:00 Time On Btm: 2012.01.31 @ 10:10:00
 Time Off Btm: 2012.01.31 @ 13:29:30

TEST COMMENT: 1ST Opening 30 Minutes very weak blow/blow blew 1 inch into bucket of water
 1ST Shut-In 110 Minutes no blow back
 2ND Opening 45 Minutes very weak blow/blow blew 1 inch into bucket of water
 2ND Shut-In 45 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1696.86	93.58	Initial Hydro-static
1	42.14	93.19	Open To Flow (1)
30	140.01	94.70	Shut-in(1)
80	949.70	97.19	End Shut-in(1)
45 198	139.10	99.51	End Shut-in(2)
45 200	1642.97	101.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oil and Mud cut Gas	0.84
0.00	10% Oil 30% Mud 60% Gas	0.00
0.00	189' Gas in the pipe	0.00

Gas Rates

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

Serial #: 6666

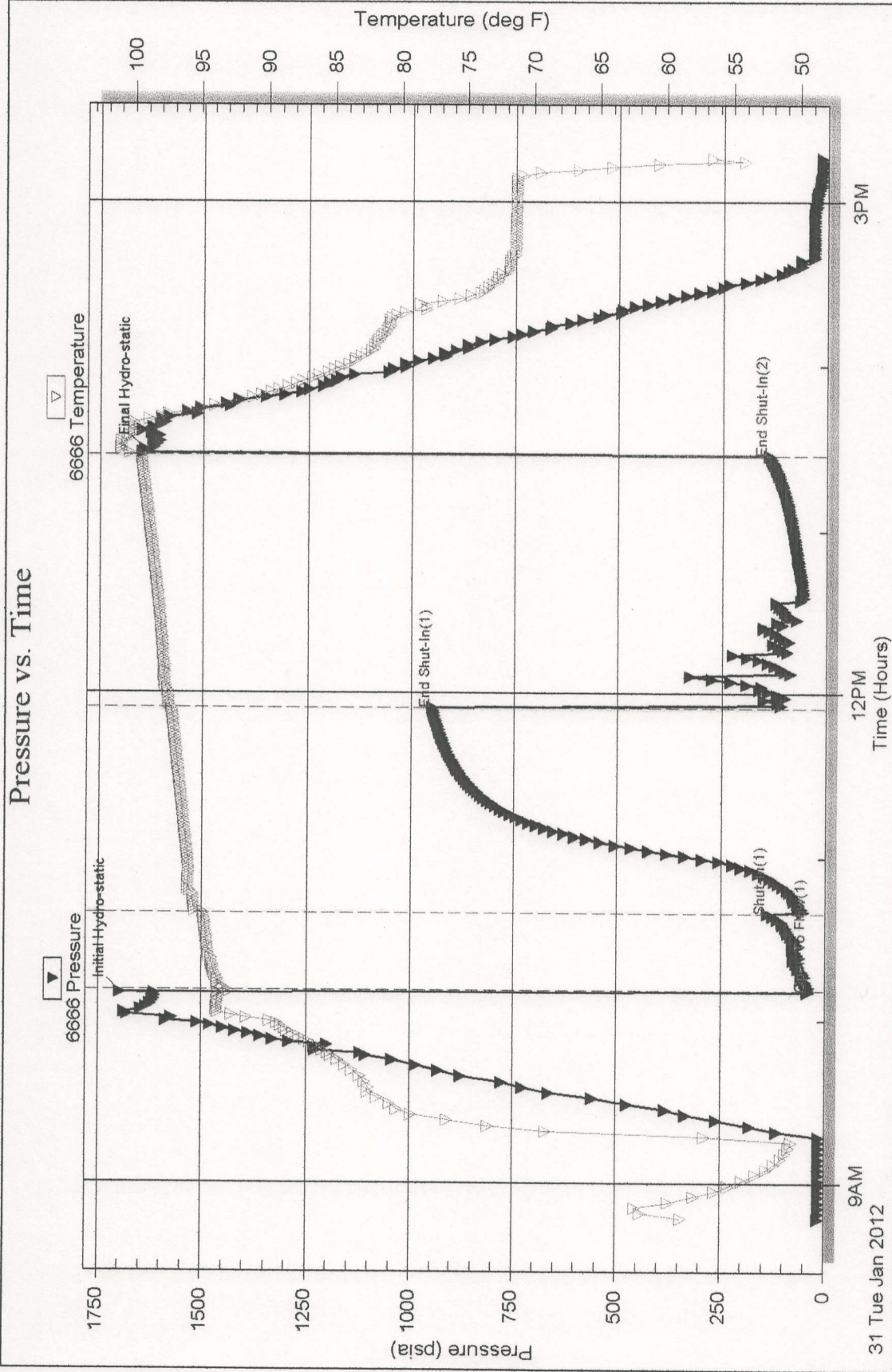
Outside

Carrie Exploration Development

Thomas Farms #C-2

DST Test Number: 4

Pressure vs. Time



Printed: 2012.02.01 @ 01:35:48

Ref. No: 18830

Superior Testers Enterprises LLC