



KANSAS CORPORATION COMMISSION 1088284
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6768
Name: Carrie Exploration & Development, a General Partnership
Address 1: 210 W 22ND
Address 2: _____
City: HAYS State: KS Zip: 67601 + _____
Contact Person: RON HEROLD
Phone: (913) 961-2760
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: JEFF LAWLER
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 #: _____

<u>2/01/2012</u>	<u>02/10/2012</u>	<u>2/24/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-195-22761-00-00

Spot Description: _____

N2 SW SW NE Sec. 23 Twp. 12 S. R. 22 East West
2194 Feet from North / South Line of Section
2310 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Trego

Lease Name: DOXON/BUNKER Well #: C-1

Field Name: _____

Producing Formation: ARBUCKLE

Elevation: Ground: 2362 Kelly Bushing: 2369

Total Depth: 4136 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 260 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1693 Feet

If Alternate II completion, cement circulated from: 1693

feet depth to: 0 w/ 275 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 19000 ppm Fluid volume: 400 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Blackhawk Production Co

Lease Name: Bull License #: 26232

Quarter NW Sec. 30 Twp. 14 S. R. 18 East West

County: Ellis Permit #: 32504

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: Deanna Gambor Date: 09/18/2012



1088284

Operator Name: Carrie Exploration & Development, a General Partnership Lease Name: DOXON/BUNKER Well #: C-1
 Sec. 23 Twp. 12 S. R. 22 East West County: Trego

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DUAL INDUCTION LOG DUAL COMPENSATED POROSITY LOG MICRORESISTIVITY LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	24	260	COMMON	250	2%GEL,3%CC
PRODUCTION	7.875	5.5	15.5	4137	AA2	205	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1693	65/35 pos	275	6%Gel
-	-	-	-	-

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
1	4074.5-4077		

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>4096</u> Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>2/24/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>10</u> Gas Mcf _____ Water Bbls. <u>0</u> Gas-Oil Ratio _____ Gravity <u>34</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4077 to 4078</u>
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Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, a General Partnership
Well Name	DOXON/BUNKER C-1
Doc ID	1088284

Tops

ANHYDRITE TOP	1782	+587
TOPEKA	3405	-1036
HEEBNER SHALE	3624	-1255
TORONTO	3645	-1276
LKC	3658	-1289
BKC	3893	-1524
MARMATON	3983	-1614
ARBUCKLE	4059	-1690
RTD	4136	-1767
LTD	4139	-1770

OPERATOR

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

Contact Geologist: RON HEROLD
Contact Phone Nbr: (785) 625-9318
Well Name: DOXON/BUNKER C #1
Location: N2 SW SW NE 23-12S-22W
Pool:
State: KANSAS

API: 15-195-22761
Field: OGALLAH NORTH
Country: USA

Scale 1:240 Imperial

Well Name: DOXON/BUNKER C #1
Surface Location: N2 SW SW NE 23-12S-22W
Bottom Location:
API: 15-195-22761
License Number: 6768
Spud Date: 2/1/2012
Region: TREGO
Drilling Completed: 2/10/2012
Surface Coordinates: 2194' FNL & 2310' FEL
Bottom Hole Coordinates:
Ground Elevation: 2362.00ft
K.B. Elevation: 2369.00ft
Logged Interval: 0.00ft
Total Depth: 4136.00ft
Formation:
Drilling Fluid Type: FRESH WATER/CHEMICAL GEL

Time: 3:34 PM

Time: 1:47 AM

To: 4139.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.7312099
N/S Co-ord: 2194' FNL
E/W Co-ord: 2310' FEL

Latitude: 38.9941957

LOGGED BY



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

Phone Nbr: (785) 259-3737
Logged By: Geologist

Name: JEFF LAWLER

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.
Rig #: 4
Rig Type: MUD ROTARY
Spud Date: 2/1/2012
TD Date: 2/10/2012
Rig Release: 2/12/2012

Time: 3:34 PM

Time: 1:47 AM

Time: 12:00 AM

ELEVATIONS

K.B. Elevation: 2369.00ft
K.B. to Ground: 7.00ft

Ground Elevation: 2362.00ft

NOTES

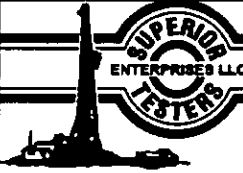
NOTES

DECISION WAS MADE BY THE OPERATOR TO RUN 5 1/2" X 15.5# PRODUCTION CASING TO FURTHER EVALUATE ZONES FAVORABLE WITH LOG ANALYSIS AND DST RECOVERY.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

FORMATION	DOXON/BUNKER #1				STANTON #1				LEGAL				NE SW NW 23-12-22				NW NW SW							
	N2 SW SW NE 23-125-23W				N2 NE SW 23-12-22				NIXON #2				NIXON #1				STECKLINE #1				STECKLINE #2			
	2305				2383				2386				2375				2382				2386			
	LOG TOPS		SAMPLE TOPS		COMP. CARD		COMP. CARD		COMP. CARD		COMP. CARD		COMP. CARD		COMP. CARD		COMP. CARD							
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.					
APPROXIMATE TOP	1782	587	1782	587	1796	587	+ 0	1803	583	+ 4	1802	573	+ 14	1800	582	+ 3	1805	581	+ 6					
BASE	1827	542	1803	566	1840	543	+ 23	1847	539	+ 27				1846	536	+ 30								
TARRO																								
TOPSOA	3405	-1036	3405	-1036	3407	-1024	12	3410	-1024	12	3409	-1034	7	3408	-1026	10	3420	-1034	7					
OREAR																								
INTERIOR SHALE	3624	-1255	3623	-1254	3625	-1242	12	3625	-1239	15	3626	-1251	3	3626	-1244	10	3626	-1240	14					
TOBERRY	3645	-1276	3642	-1273	3639	-1256	17	3644	-1258	15				3645	-1263	10	3658	-1272	1					
DOUGLAS																								
BROWN LIME																								
LKC	3658	-1289	3658	-1289	3655	-1272	17	3658	-1272	17	3660	-1285	4	3659	-1277	12	3671	-1285	4					
MC	3893	-1524	3898	-1529	3890	-1507	22	3901	-1515	14	3900	-1525	4	3900	-1518	11	3913	-1527	2					
MASSACHUSETTS					3912	-1529																		
MAGNATON/CHERRY	3983	-1614	3996	-1627	3986	-1603	24	3992	-1606	21	3988	-1613	14	3990	-1608	19	4002	-1616	11					
YODA																								
SIMPSON SHALE																								
ARROW	4059	-1690	4063	-1694	4064	-1681	13	4079	-1693	1	4070	-1695	1	4070	-1688	6	4065	-1679	15					
STB			4136	-1707				4082	-1696	71				4102	-1720	47	4089	-1703	64					
LTB	4139	-1770																						

DST #1 LKC "A_B"

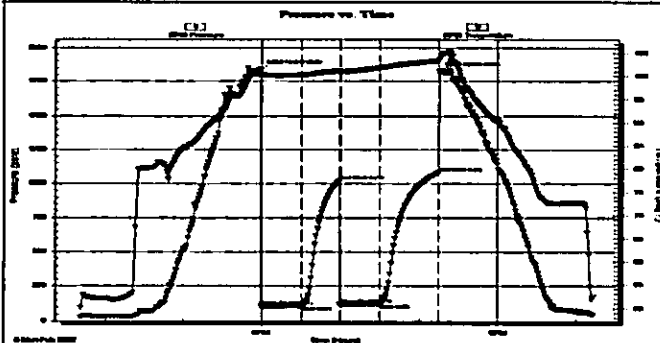
	DRILL STEM TEST REPORT	
	Carrio Exploration 210 West 22ND Hays, Kansas 67801 ATTN: Jeff Lawler	23/12S/22W/Trego Doxon/Bunker #C-1 Job Ticket: 17152 DST#: 1 Test Start: 2012.02.06 @ 15:40:00

GENERAL INFORMATION:

Formation: Lansing/Kansas City
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:00:00
 Time Test Ended: 22:12:30
 Interval: 3648.00 ft (KB) To 3690.00 ft (KB) (TVD)
 Total Depth: 3690.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Hays/50
 Reference Elevations: 2369.00 ft (KB)
 2362.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6748 Inside
 Press@RunDepth: 127.97 psia @ 3686.00 ft (KB)
 Start Date: 2012.02.06 End Date: 2012.02.06 Capacity: 5000.00 psia
 Start Time: 15:40:00 End Time: 22:12:30 Last Calib.: 2012.02.06
 Time On Btm: 2012.02.06 @ 17:59:00
 Time Off Btm: 2012.02.06 @ 20:15:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1 inch
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Very weak surface blow /Blow did in 3 minutes
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1839.66	101.32	Initial Hydro-static
1	106.54	100.41	Open To Flow (1)
31	112.52	100.19	Shut-In(1)
60	1020.01	101.12	End Shut-In(1)
61	119.11	100.92	Open To Flow (2)
91	127.97	101.76	Shut-In(2)
136	1079.78	103.31	End Shut-In(2)
137	1823.97	103.70	Final Hydro-static

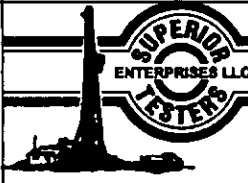
Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.07

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcfd)

DST #2 LKC 'C'

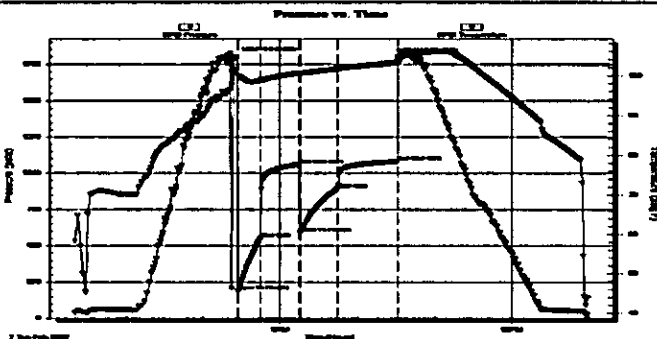
	DRILL STEM TEST REPORT	
	Carrie Exploration 210 West 22ND Hays, Kansas 67801 ATTN: Jeff Lawler	23/12S/22W/Trego Doxon/Bunker #C-1 Job Ticket: 17153 DST#: 2 Test Start: 2012.02.07 @ 06:18:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 08:27:30
 Time Test Ended: 12:59:00
 Interval: **3685.00 ft (KB) To 3715.00 ft (KB) (TVD)**
 Total Depth: **3715.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Hays/50**
 Reference Elevations: **2389.00 ft (KB)**
 2362.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6748 **Inside**
 Press@RunDepth: **894.10 psia @ 3711.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.02.07** End Date: **2012.02.07** Last Calib.: **2012.02.07**
 Start Time: **06:19:00** End Time: **12:59:00** Time On Btm: **2012.02.07 @ 08:25:30**
 Time Off Btm: 2012.02.07 @ 10:31:30

TEST COMMENT: 1ST Open 15 Minutes/Strong blow /Blow to bottom of bucket in 2 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Strong blow /Blow to bottom of bucket in 2 minutes
 2ND Shut In 45 Minutes/No blow back

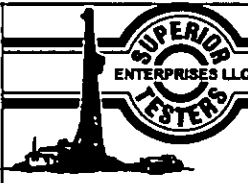


PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1797.20	101.64	Initial Hydro-static
3	190.33	99.93	Open To Flow (1)
20	554.18	98.77	Shut-In (1)
50	1059.75	100.67	End Shut-In (1)
50	589.32	100.45	Open To Flow (2)
80	894.10	101.77	Shut-In (2)
126	1081.78	103.26	End Shut-In (2)
126	1792.75	103.66	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
240.00	Muddy Water	2.35
0.00	Mud 50% Water 50%	0.00
1230.00	Muddy Water	17.99
0.00	Mud 5% Water 95%	0.00
0.00	Recovery Chlorides 108000 ppm	0.00
0.00	Recov. Resist. .11 ohms @ 68 degrees	0.00

Gas Rates			
Choke (inches)	Pressure (psia)	Gas Rate (Mcfd)	

DST #3 MARMATON/PAWNEE

	DRILL STEM TEST REPORT	
	Carrie Exploration 210 West 22ND Hays, Kansas 67801 ATTN: Jeff Lawler	23/12S/22W/Trego Doxon/Bunker #C-1 Job Ticket: 17154 DST#: 3 Test Start: 2012.02.09 @ 20:56:00

GENERAL INFORMATION:

Formation: **Marmaton/Pawnee**

Deviated: No Whipstock: 11 (KB)
 Time Tool Opened: 23:05:00
 Time Test Ended: 04:02:30

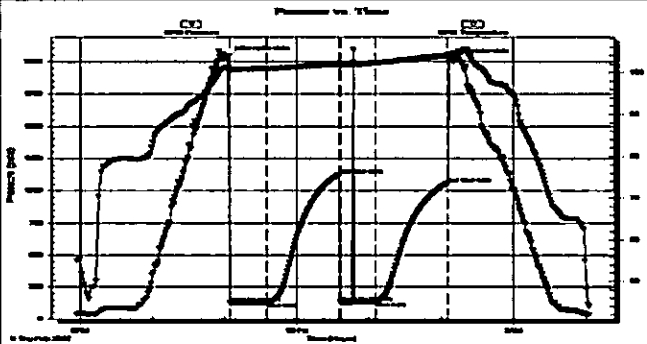
Test Type: Conventional Bottom Hole (Initial)
 Tester: Kan Sw Innoy
 Unit No: 3325 Hays/50

Interval: 3990.00 ft (KB) To 4035.00 ft (KB) (TVD)
 Total Depth: 4035.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2389.00 ft (KB)
 2362.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6748 Inside
 Press@RunDepth: 134.36 psia @ 4031.00 ft (KB)
 Start Date: 2012.02.09 End Date: 2012.02.10
 Start Time: 20:56:00 End Time: 04:02:30
 Capacity: 5000.00 psia
 Last Calib.: 2012.02.09
 Time On Btm: 2012.02.09 @ 23:03:30
 Time Off Btm: 2012.02.10 @ 02:06:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 2 inches
 1ST Shut In 60 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2041.19	101.28	Initial Hydro-static
2	125.57	100.84	Open To Flow (1)
32	127.37	101.00	Shut-In(1)
92	1124.65	101.99	End Shut-In(1)
94	130.82	101.77	Open To Flow (2)
122	134.36	102.26	Shut-In(2)
182	1058.94	104.00	End Shut-In(2)
183	2019.26	104.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Slightly oil cut mud	0.05
0.00	Oil 2% Mud 98%	0.00

Gas Rates

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

Superior Testers Enterprises LLC

Ref. No: 17154

Printed: 2012.02.09 @ 04:19:58

DST #4 ARBUCKLE



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17155 DST#: 4
 Test Start: 2012.02.09 @ 12:42:00

GENERAL INFORMATION:

Formation: Arbuckle
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:52:30
 Time Test Ended: 19:18:00

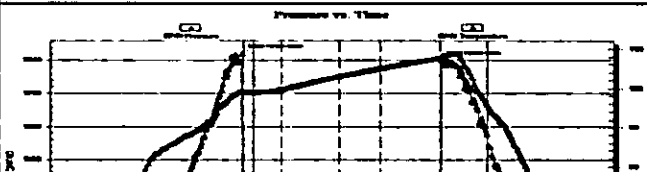
Test Type: Conventional Bottom Hole (Initial)
 Tester: Kan Sw Innoy
 Unit No: 3325 Hays/50

Interval: 4044.00 ft (KB) To 4070.00 ft (KB) (TVD)
 Total Depth: 4070.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2389.00 ft (KB)
 2362.00 ft (CF)
 KB to GR/CF: 7.00 ft

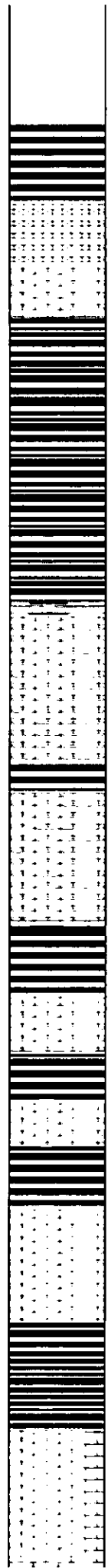
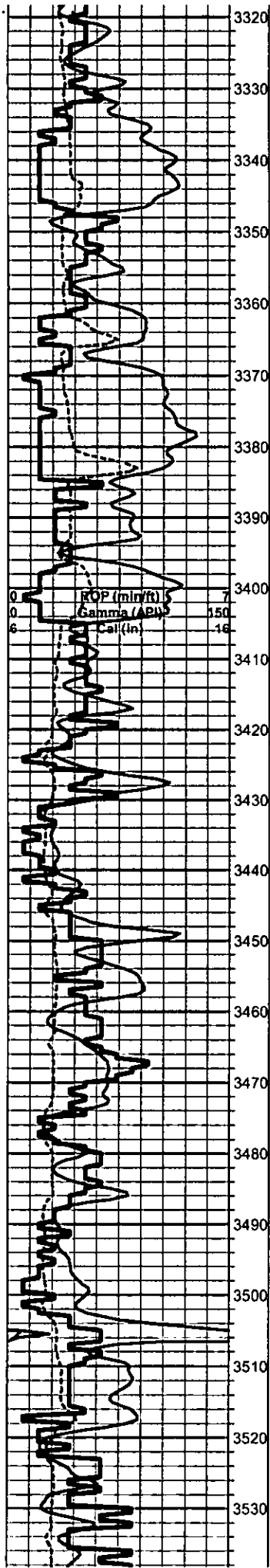
Serial #: 6749 Outside
 Press@RunDepth: 38.83 psia @ 4067.00 ft (KB)
 Start Date: 2012.02.09 End Date: 2012.02.09
 Start Time: 12:42:00 End Time: 19:18:00
 Capacity: 5000.00 psia
 Last Calib.: 2012.02.09
 Time On Btm: 2012.02.09 @ 14:51:30
 Time Off Btm: 2012.02.09 @ 17:24:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1 inch
 1ST Shut In 45 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2053.49	99.40	Initial Hydro-static
1	36.94	99.05	Open To Flow (1)
30	37.18	99.78	Shut-In(1)
75	469.78	103.14	End Shut-In(1)
75	37.43	102.93	Open To Flow (2)



Sh- Gray Red Maroon

Ss- Dove Gray, VF gr., consolidated & well sorted, glauconite speckled, friable, clean & barren, abundant shale *samples ground up*

Lm- Cream, VF, cryptocrystalline, dense, semi-brittle, little visible porosity, few fine gr. Ss clusters, clear, friable, glauconite speckled, abundant shale *samples ground up*

Sh- multi-colored abundant slivers & chips, light purple & red sticky argillaceous clumps

Sh- Gray Red Marron, dense well compacted slivers, gritty earthy chips, few clusters of VF gr, semi-silty Ss, consolidated, loosely cemented, slightly speckled w/ glauconite

Sh- A/A, w/ lime green dense slivers

TOPEKA 3405' (-1036) E-LOG 3405' (-1036) Lm- Cream Lt Gray, F-Med gr., granular, consolidated & well cemented, silty mud supported matrix w/ pinpoint porosity, few chips of trashy bio-clastic mud supported siltstone

Lm- Lt & Drk Gray, VF gr., dense, silty mud supported matrix, bio-clastic, FSL w/ crinoids

Lm- Cream Tan, FXLN, dense, siliceous, FSL w/ crinoids & fusulinids, some brittle, scattered XLN porosity, mostly dense

Lm- Drk Gray Tan Cream, VF gr., dense, well cemented, some siliceous, mostly all dense w/ no visible porosity, bio-clastics w/ fossil fragments

Lm- Cream Tan A/A

Sh- Black Gray, fissile, dense well compacted

Lm- Cream Tan, F-Med XLN, well developed w/ mostly consistant pinpoint porosity, granular, well developed

Sh- Black Gray

Lm- Gray Cream Tan, VF-F XLN, granular, dense, poorly developed, semi-siliceous, some brittle, all well cemented & tight, little visible porosity

Lm- Gray, Med-Coarse gr., trashy bio-clastic, FSL fragments, few chips of granular dolomitic chert

Sh- Black Gray Maroon, fissile carbonaceous

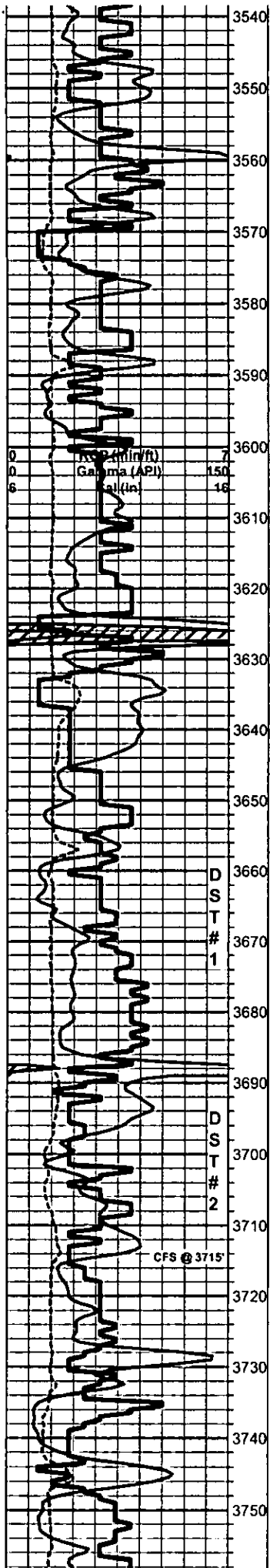
Sh- Gray Maroon Red

Lm- Cream Tan, VF, dense, some semi-granular w/ pinpoint porosity, some very well cemented, dense w/ no visible porosity

Lm- Cream Tan Buff, VF-Med XLN, some well developed w/ consistant pinpoint porosity, some dense well cemented, poorly developed w/ minimal visible porosity, some dolomitic

DISPLACE
3355' - 3380'

0	Total Gas (units)	100
0	G1 (units)	100
0	G2 (units)	100
0	G3 (units)	100
0	G4 (units)	100



Ls, some cherty Ls., some sharp angular bedded chert, no shovs noted

Sh- Gray Black, dense slivers

Lm- Tan Buff, VF XLN, dense, tight w/ no visible porosity, few granular dolomitic Ls w/ scattered pinpoint porosity

Lm- Cream Buff, Med XLN, granular, good consistant porosity, LT GSY SCATTERED STN, ODR, FEW CHIPS W/ FO UPON CRUSH, INSTANT STREAMING WET CUT & FLOR.

Lm- Cream Buff, FXLN, dense, FSL w/ fusulinids, well cemented, scattered pinpoint to minimal visible porosity, chalky in part

Lm- VF-F XLN, dense, chalky to silty in part, well cemented, no visible porosity

Lm- Lt Brown Lt Gray Tan, VF-F gr., dirty, silty & chalky, semi-soft mostly

Lm- Cream Tan, VF, chalky, silty, mud supported Ls & chalk

HEEBNER 3623' (-1254) E-LOG 3624' (-1255) Sh- Black fissile carbonaceous

Sh- Gray Red Lime Green, slivers and chips of calcareous shale

TORONTO 3642' (-1273) E-LOG 3645' (-1276) Lm- Lt Gray Buff, FXLN, mostly dense & poorly developed w/ scattered secondary coarse XLN porosity, silty & chalky in part

LKC 3658' (-1289) E-LOG 3658' (-1289) Lm- Cream Off White, VF-Coarse XLN, clean, FSL w/ fusulinids, mostly dense & well cemented, few chips w/ scattered coarse XLN pinpoint porosity, solution recrystallization w/ in porosity, RARE SCATTERED LT GSY STN, FNT ODR, NSFO, SLOW STREAMING WET CUT & FLOR.

Lm- Cream Tan, F-Med XLN, scattered development w/ mostly consistant pinpoint porosity, LT GSY STN, FNT ODR, NSFO, SLOW STREAMING WET CUT & FLOR.

Sh- Gray Red Maroon White, dense chips & slivers, sticky argillaceous chalky clumps, sandy shales & shaley sands, friable

Lm- Cream Tan, Med-Coarse, med gr. oolitic clusters, good development w/ consistant pinpoint porosity, few chips of coarse XLN, oolitic Ls w/ consistant scattered pinpoint porosity, LT GSY SCATTERED STN, FR ODR, 1-2 CHIPS W/ FEW GLOBULES OF LIVELY FO UPON CRUSH, COARSE XLN-FLAKEY STN, INSTANT STREAMING WET CUT & FLOR.

Lm- Cream Tan, Fine XLN, dense, semi-cryptocrystalline, minimal development & visible porosity

Lm- Cream, Med XLN, granular, slightly dolomitic, dense, mostly well cemented, poorly developed, scattered consistent porosity, 1-2 pcs w/ scattered WEAK STN, NSFO, NO ODR,

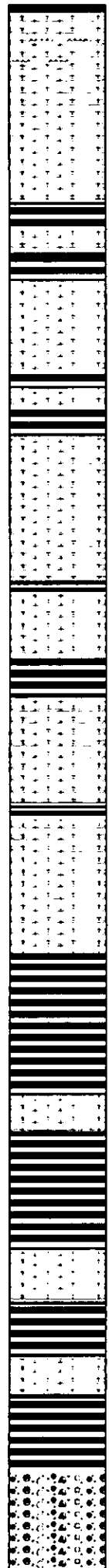
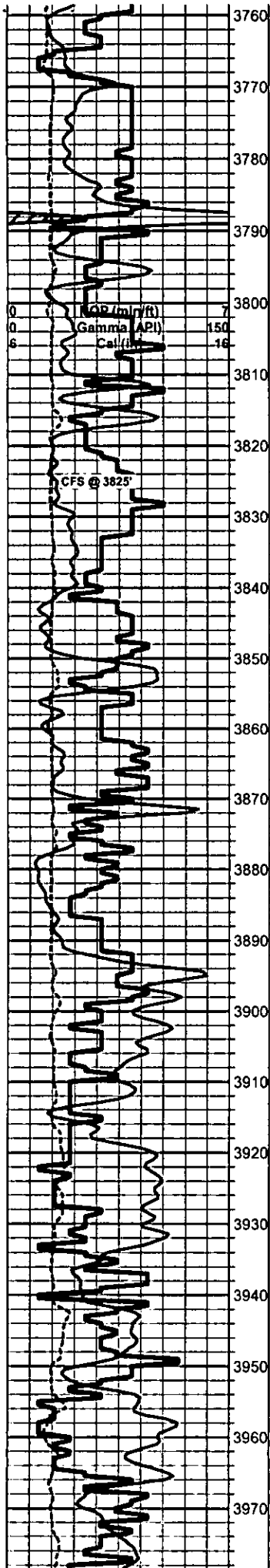
Lm- Cream Tan, Fine gr., chalky, soft,

0	Total Grs (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

SHORT TRIP
SLOPE 1 dgr.
STRAP 3701.17
BOARD 3697.47
STRAP +3.71

DST #1
LKC 'A,B'
3648' - 3690'

DST #2 3685 - 3715



Lm- Cream, Fine-Med XLN, mostly dense, poorly developed and tight, slightly cherty Ls, very well cemented, no visible porosity to microcrystalline pinpoint porosity, few chips of off white sharp angular bedded chert

Lm- A/A w/ more cryptocrystalline & chert, tight

Sh- Black Gray, dense well compacted slivers

Lm- Cream Tan Lt Brown, Fine gr., mix of loosely cemented Ss, slightly dolomitic chert and chalky Ls, consistent pinpoint porosity, HVY GSY ODR, LT SCATTERED TO SATURATED STN, NSFO, MOST CHIPS INSTANT STREAMING WET CUT & FLOR UPON CRUSH

Lm- Cream Tan, VF-F XLN, mostly dense, semi-cryptocrystalline, well cemented, limited development w/ minimal visible porosity

Lm- Lt Brown Tan Cream, FXLN, mostly dense cherty Ls, well cemented w/ minimal visible porosity, 1-2 CHIPS W/ SCATTERED PINPOINT POROSITY, SCATTERED DRK STN, NSFO, NO ODR

Lm- Cream Tan, VF-Coarse XLN, well developed coarse XLN, oolitic, some secondary XLN porosity, sub-vugular porosity, interconnected, DRK SCATTERED STN, 1-2 CHIPS W/ FEW GLOBULES OF FREE OIL, SEMI-LIVELY, CHIPS W/ DRK HVY DEAD OIL STN, FNT ODR, development and porosity decrease w/ depth into a VF XLN, semi-brittle, microcrystalline, dense w/ scattered pinpoint porosity

Lm- Tan Cream, Fn-Med XLN, dense well cemented, slightly cherty Ls, scattered well developed pinpoint porosity, DRK SCATTERED TO SATURATED STN, FNT ODR, NSFO

Lm- Tan Fn-Med XLN, dense, very well cemented, scattered secondary XLN porosity, mostly poorly developed w/ minimal visible porosity

BKC 3898' (-1529) E-LOG 3893' (-1524) Sh- Red Gray, red wash shale, sandy shale & VF gr. loosely cemented Ss.

Sh- Gray Red Brown Lime Green, dense well compacted gritty slivers & chips

Lm-Cream Tan, F XLN, dense well cemented, scattered pinpoint porosity

Sh- Gray Brown Maroon Lime Green, dense slivers and brown wash shale

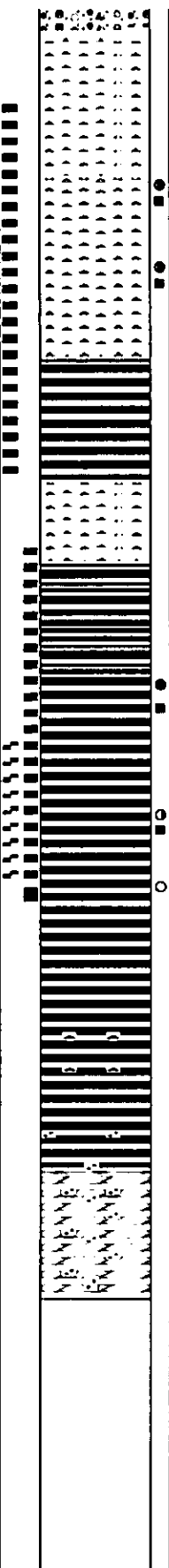
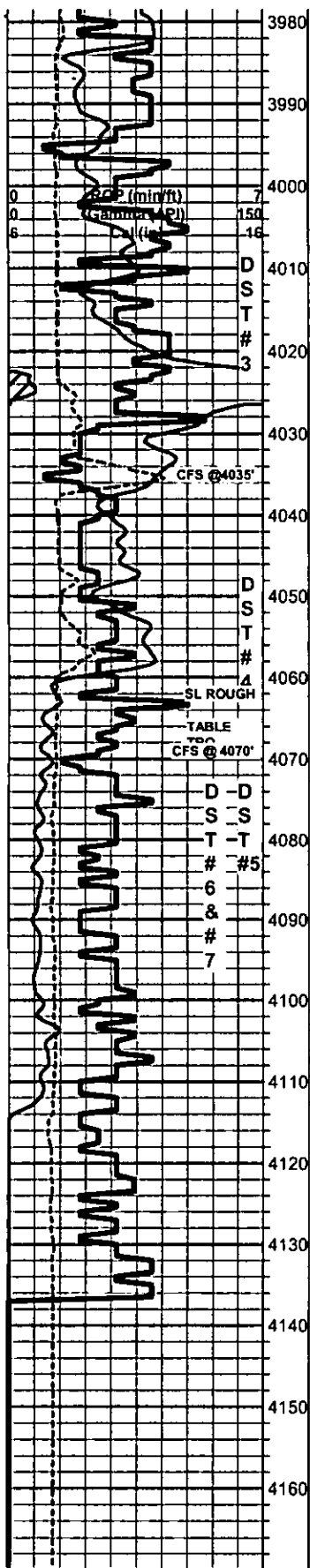
Sh- Red Brown Maroon, sticky argillaceous clumps, silty sandy shales, VF gr. loosely cemented Ss

Lm- Cream Tan, FXLN, dense, scattered pinpoint porosity

Sh- Red Gray, red wash shale

Conglomerate- mix of conglomerate shale, unconsolidated Ls & some sharp angular chert

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Conglomerate- A/A w/ more sharp angular chert, semi-translucent & golden yellow

 Chert- Salmon Semi-translucent Off White, mix of dolomitic or weathered chert and angular bedded chert, some oolitic & slightly FSL

 MARMATON-PAWNEE 3996' (-1627) E-LOG 3983' (-1614) Chert- Cream Tan & Multi-colored, sharp angular bedded chert, some VF XLN, well sorted & cemented dolomite, dense, LT GSY SATURATED STN, FR ODR, VERY SLOW HALO CUT & FLOR.

 Chert- A/A, SHOWS SAME AS ABOVE, FR ODR, more sharp angular bedded chert

 Chert/Ls- Cream Tan, mostly dense VF gr. well cemented Ls. Chert- A/A lacking shows

 Sh- Drk & Lt Gray, few dense slivers, mostly sticky argillaceous clumps

 Chert- Golden Yellow Black Translucent, sharp angular bedded, black oolite clusters w/ siliceous cement, some golden yellow oolitic bedded chert, few chips of oolitic oolitic

 Sh- Multi-colored, soft sandy shales, dense blocky, well compacted, few argillaceous clumps

 ARBUCKLE 4063' (-1694) E-LOG 4059' (-1690) Dolomite- Cream Tan, VF-F XLN, dense sucrosic, some loosely cemented, well sorted, few chips of MED XLN w/ pinpoint porosity, mostly all consistent porosity throughout, LT GSY MOSTLY SATURATED STN, FR ODR, 1-2 CHIPS OF LIVELY FO UPON CRUSH, 40° & 60° smpl w/ VF dense well cemented, clean & barren

 Dolomite- Tan Off White, Med-Coarse XLN, some slightly unconsolidated mix, very well developed w/ good porosity, large visible rhombs w/ vuggy porosity, SCATTERD GSY STN, GOOD ODR, FO UPON CRUSH, INSTANT CLOUDY WET CUT & FLOR

 Dolomite- FXLN, dense, well sorted & cemented, pinpoint porosity, SHOWS STARTING TO DEplete, few w/ scattered STN, SLIGHT FO UPON CRUSH

 Dolomite- VF-F XLN, dense, well sorted & cemented, tight w/ mostly micro XLN porosity, clean & barren

 Dolomite- Off White Cream, A/A w/ few chips of sandy cherty dolomite & cherty dolomite, all clean & barren

 Dolomite- A/A, w/ a few chips of lime green sandy dolomite w/ clear coarse gr. well round individual grain inclusions

 Dolomite- Off White Light Pink, Med-Coarse XLN, abundant sandy dolomite, loosely cemented

 RTD 4136' (-1767) @ 01:47 2/10/2012 LTD 4139' (-1770)

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

DST #3 3990 - 4035

DST #4 4044 - 4070

DST #5 4070 - 4088
STRADDLE
BOTTOM PACKER
FAILURE

DST #6 (MISRUN)
STRADDLE
"TOOL PLUGGED"
4066 - 4084

DST #7 (RERUN)
4066 - 4084

CTCH 1.5 hrs.
SLOPE

- DST #5.jpg
- DST #6.jpg
- DST #7.jpg



DRILL STEM TEST REPORT

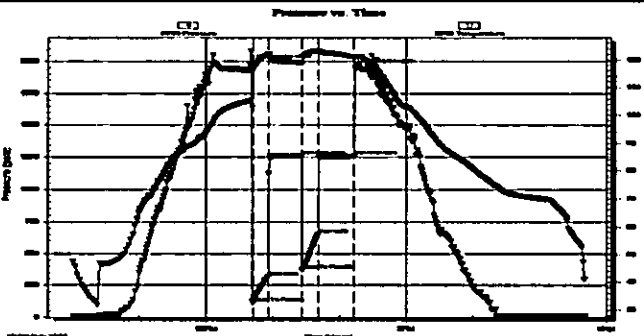
Carrie Exploration **23/12S/22W/Trego**
 210 West 22ND **Doxon/Bunker #C-1**
 Hays, Kansas 67601 **Job Ticket: 17156 DST#: 8**
ATTN: Jeff Lawler **Test Start: 2012.02.10 @ 10:00:00**

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: **12:42:30**
 Time Test Ended: **17:41:00**
 Interval: **4068.00 ft (KB) To 4140.00 ft (KB) (TVD)**
 Total Depth: **4140.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Straddle (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Hays/50**
 Reference Elevations: **2369.00 ft (KB)**
2362.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 6749 Outside
 Press@RunDepth: **652.89 psia @ 4083.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.02.10** End Date: **2012.02.10** Last Calib.: **2012.02.10**
 Start Time: **10:00:00** End Time: **17:41:00** Time On Btm: **2012.02.10 @ 12:39:30**
 Time Off Btm: **2012.02.10 @ 14:14:30**

TEST COMMENT: 1ST Open 15 Minutes/Strong blow/Blow to bottom of bucket in 3 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 15 Minutes/Strong blow/Blow to bottom of bucket in 1 1/2 minutes
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1979.38	105.27	Initial Hydro-static
3	115.52	116.03	Open To Flow (1)
17	320.73	121.71	Shut-In (1)
47	1259.32	118.96	End Shut-In (1)
47	372.59	118.76	Open To Flow (2)
62	652.89	123.28	Shut-In (2)
95	1258.91	121.05	End Shut-In (2)
95	1946.30	121.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1740.00	Oil cut Muddy Water	23.70
0.00	Oil 5% Mud 40% Water 55%	0.00

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcfd)



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17157 DST#: 6
 Test Start: 2012.02.10 @ 18:10:00

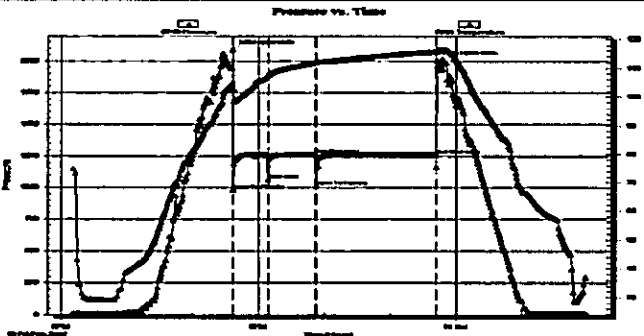
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:47:00
 Time Test Ended: 00:00:00
 Interval: **4066.00 ft (KB) To 4084.00 ft (KB) (TVD)**
 Total Depth: **4140.00 ft (KB) (TVD)**
 Hole Diameter: **7.86 inches** Hole Condition: Fair
 Test Type: Conventional Straddle (Initial)
 Tester: Jared Schock
 Unit No: 3325 Hays/50
 Reference Elevations: 2369.00 ft (KB)
 2362.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6749

Press@RunDepth: 1261.97 psia @ ft (KB)
 Start Date: 2012.02.10 End Date: 2012.02.11
 Start Time: 18:10:00 End Time: 01:57:30
 Capacity: psia
 Last Calib.: 1899.12.30
 Time On Btm: 2012.02.10 @ 20:36:30
 Time Off Btm: 2012.02.10 @ 23:43:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into bucket w water stayed steady throughout open
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 30 Minutes-Weak surface blow died off
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2088.10	105.11	Initial Hydro-static
1	979.14	102.78	Open To Flow (1)
32	1062.06	107.47	Shut-in(1)
76	1292.71	111.82	End Shut-in(1)
76	1011.05	111.80	Open To Flow (2)
186	1261.97	115.72	End Shut-in(2)
187	2005.08	115.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17158 **DST#: 7**
 Test Start: 2012.02.11 @ 08:30:00

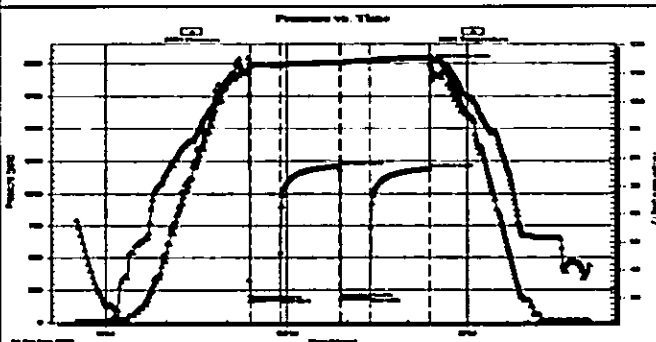
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 11:24:00
 Time Test Ended: 17:00:30
 Interval: **4068.00 ft (KB) To 4084.00 ft (KB) (TVD)**
 Total Depth: **4140.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Straddle (Initial)**
 Tester: **Jared Scheck**
 Unit No: **3325-Hays-50**
 Reference Elevations: **2369.00 ft (KB)**
2382.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8524

Press@RunDepth: **190.66 psia @ ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.02.11** End Date: **2012.02.11** Last Calib.: **2012.02.11**
 Start Time: **08:30:00** End Time: **17:00:30** Time On Btm: **2012.02.11 @ 11:21:00**
 Time Off Btm: **2012.02.11 @ 14:22:30**

TEST COMMENT: 1st Opening 30 Minutes-Tool chased 10 feet to bottom weak blow built 6 inches into bucket in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 minutes-Weak blow built 1 1/2 into bucket in 30 minutes
 2nd shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

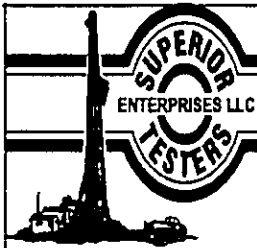
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1941.04	110.96	Initial Hydro-static
3	172.43	113.33	Open To Flow (1)
32	185.20	113.10	Shut-In(1)
91	1213.00	114.09	End Shut-In(1)
93	184.93	113.98	Open To Flow (2)
122	100.66	114.62	Shut-In(2)
181	1191.56	115.72	End Shut-In(2)
182	1995.98	115.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Oily mud 60 %mud 40% oil	0.59
120.00	Oily mud 20 %oil 80 %mud	1.14
180.00	muddy oil 90% mud 10% oil	2.52

Gas Rates

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



DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

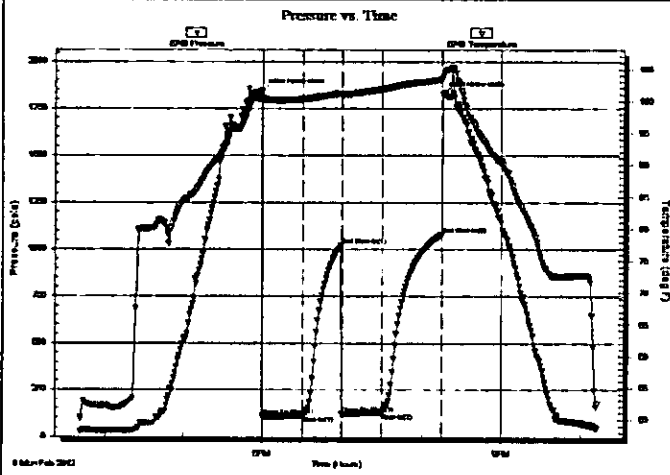
23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17152 DST#: 1
 Test Start: 2012.02.06 @ 15:40:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **18:00:00**
 Tester: **Ken Swinney**
 Time Test Ended: **22:12:30**
 Unit No: **3325 Hays/50**
 Interval: **3648.00 ft (KB) To 3690.00 ft (KB) (TVD)**
 Reference Elevations: **2369.00 ft (KB)**
 Total Depth: **3690.00 ft (KB) (TVD)**
2362.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **7.00 ft**

Serial #: **6748** Inside
 Press@RunDepth: **127.97 psia @ 3686.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.02.06** End Date: **2012.02.06** Last Calib.: **2012.02.06**
 Start Time: **15:40:00** End Time: **22:12:30** Time On Btm: **2012.02.06 @ 17:59:00**
 Time Off Btm: **2012.02.06 @ 20:15:30**

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1 inch
 1ST Shut in 30 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Very weak surface blow /Blow died in 3 minutes
 2ND Shut in 30 Minutes/No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1839.66	101.32	Initial Hydro-static
1	106.54	100.41	Open To Flow (1)
31	112.52	100.19	Shut-in(1)
60	1020.01	101.12	End Shut-in(1)
61	119.11	100.92	Open To Flow (2)
91	127.97	101.76	Shut-in(2)
136	1079.78	103.31	End Shut-in(2)
137	1823.97	103.70	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.07

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mc/d)

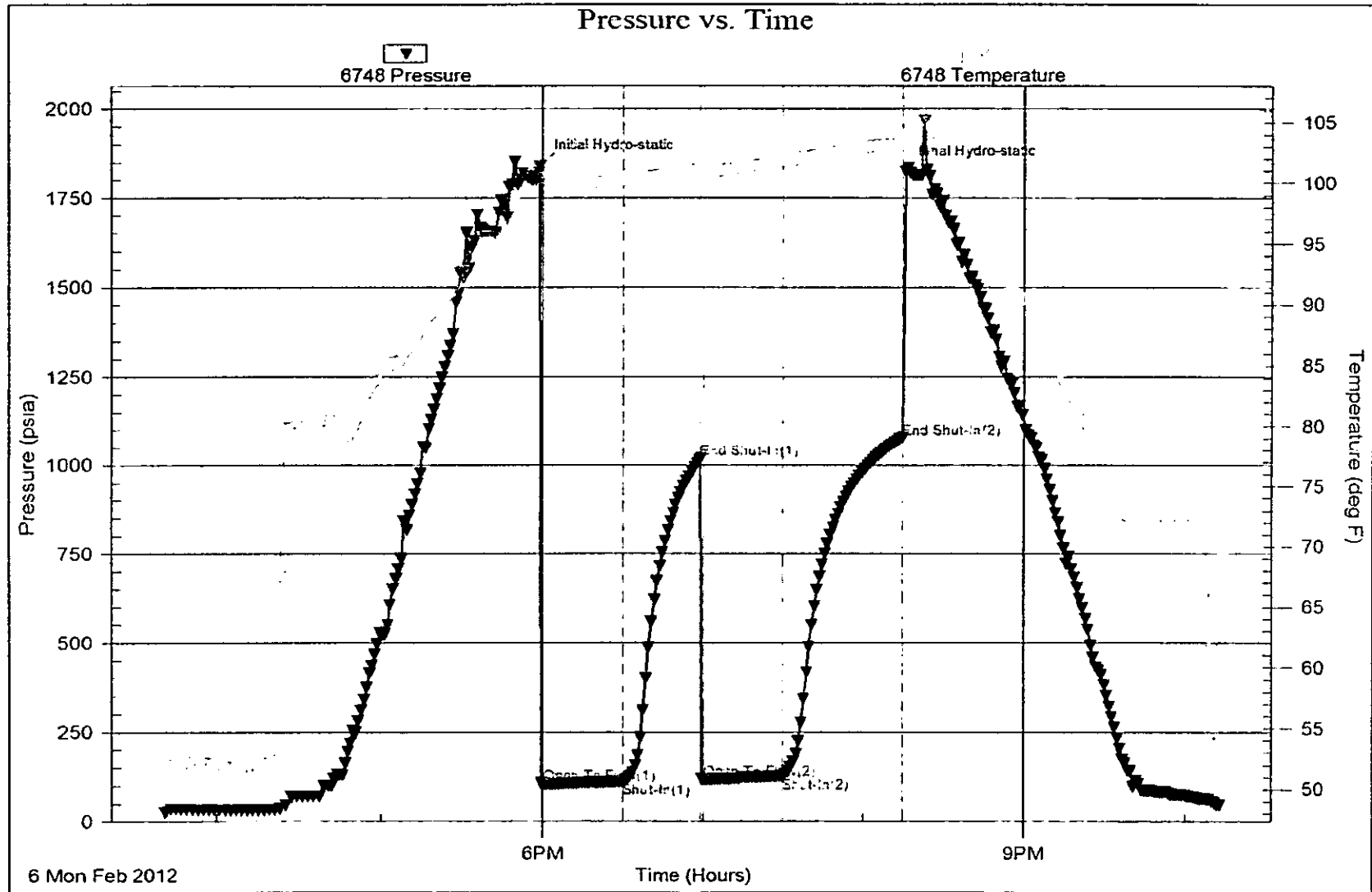
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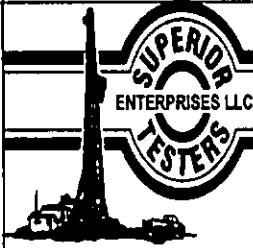
Inside

Carrie Exploration

Doxon/Bunker #C-1

DST Test Number: 1





DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

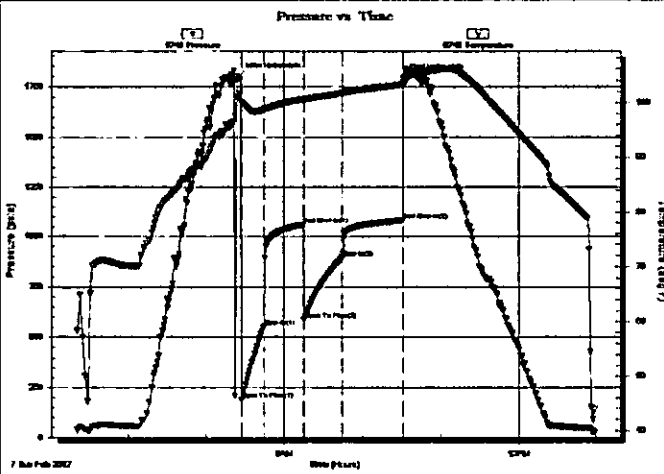
23/12S/22W/Trego
Doxon/Bunker #C-1
 Job Ticket: 17153 DST#: 2
 Test Start: 2012.02.07 @ 06:19:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:27:30
 Time Test Ended: 12:59:00
 Interval: **3685.00 ft (KB) To 3715.00 ft (KB) (TVD)**
 Total Depth: **3715.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No. 3325 Hays/50
 Reference Elevations: 2369.00 ft (KB)
 2362.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6748 Inside
 Press@RunDepth: 894.10 psia @ 3711.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.07 End Date: 2012.02.07 Last Calib.: 2012.02.07
 Start Time: 06:19:00 End Time: 12:59:00 Time On Btm: 2012.02.07 @ 08:25:30
 Time Off Btm: 2012.02.07 @ 10:31:30

TEST COMMENT: 1ST Open 15 Minutes/Strong blow/Blow to bottom of bucket in 2 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 30 Minutes/Strong blow/Blow to bottom of bucket in 2 minutes
 2ND Shut In 45 Minutes/No blow back



PRESSURE SUMMARY

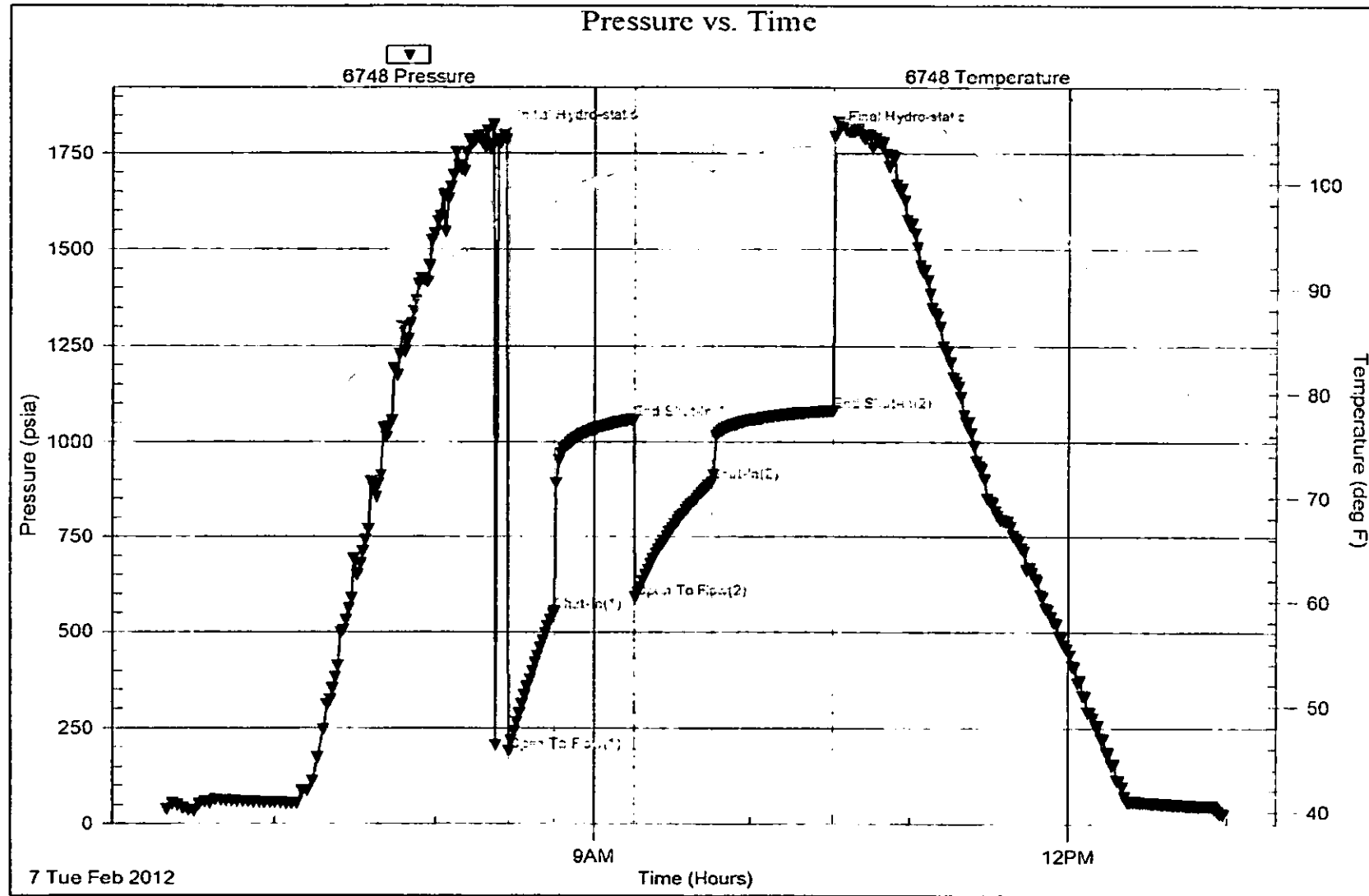
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1797.20	101.64	Initial Hydro-static
3	190.33	99.93	Open To Flow (1)
20	554.18	98.77	Shut-in(1)
50	1059.75	100.67	End Shut-in(1)
50	589.32	100.45	Open To Flow (2)
80	894.10	101.77	Shut-in(2)
126	1081.78	103.26	End Shut-in(2)
126	1792.75	103.66	Final Hydro-static

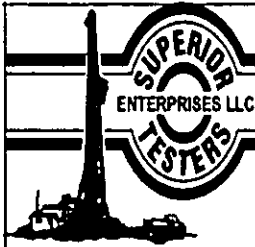
Recovery

Length (ft)	Description	Volume (bbl)
240.00	Muddy Water	2.35
0.00	Mud 50% Water 50%	0.00
1230.00	Muddy Water	17.99
0.00	Mud 5% Water 95%	0.00
0.00	Recovery Chlorides 108000 ppm	0.00
0.00	Recov. Resist. .11 ohms @ 68 degrees	0.00

Gas Rates

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





DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

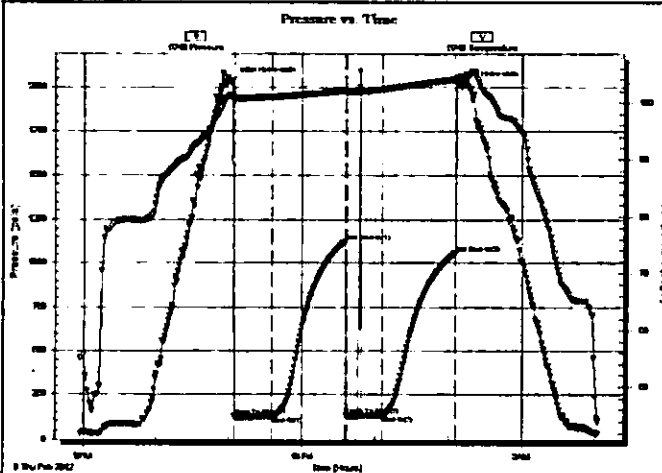
23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17154 DST#:3
 Test Start: 2012.02.09 @ 20:56:00

GENERAL INFORMATION:

Formation: **Marmaton/Pawnee**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 23:05:00
 Time Test Ended: 04:02:30
 Interval: **3990.00 ft (KB) To 4035.00 ft (KB) (TVD)**
 Total Depth: **4035.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Hays/50**
 Reference Elevations: **2369.00 ft (KB)**
2362.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: **6748** Inside
 Press@RunDepth: **134.36 psia @ 4031.00 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.02.09** End Date: **2012.02.10** Last Cal.b : **2012.02.09**
 Start Time: **20:56:00** End Time: **04:02:30** Time On Btm: **2012.02.09 @ 23:03:30**
 Time Off Btm: **2012.02.10 @ 02:06:30**

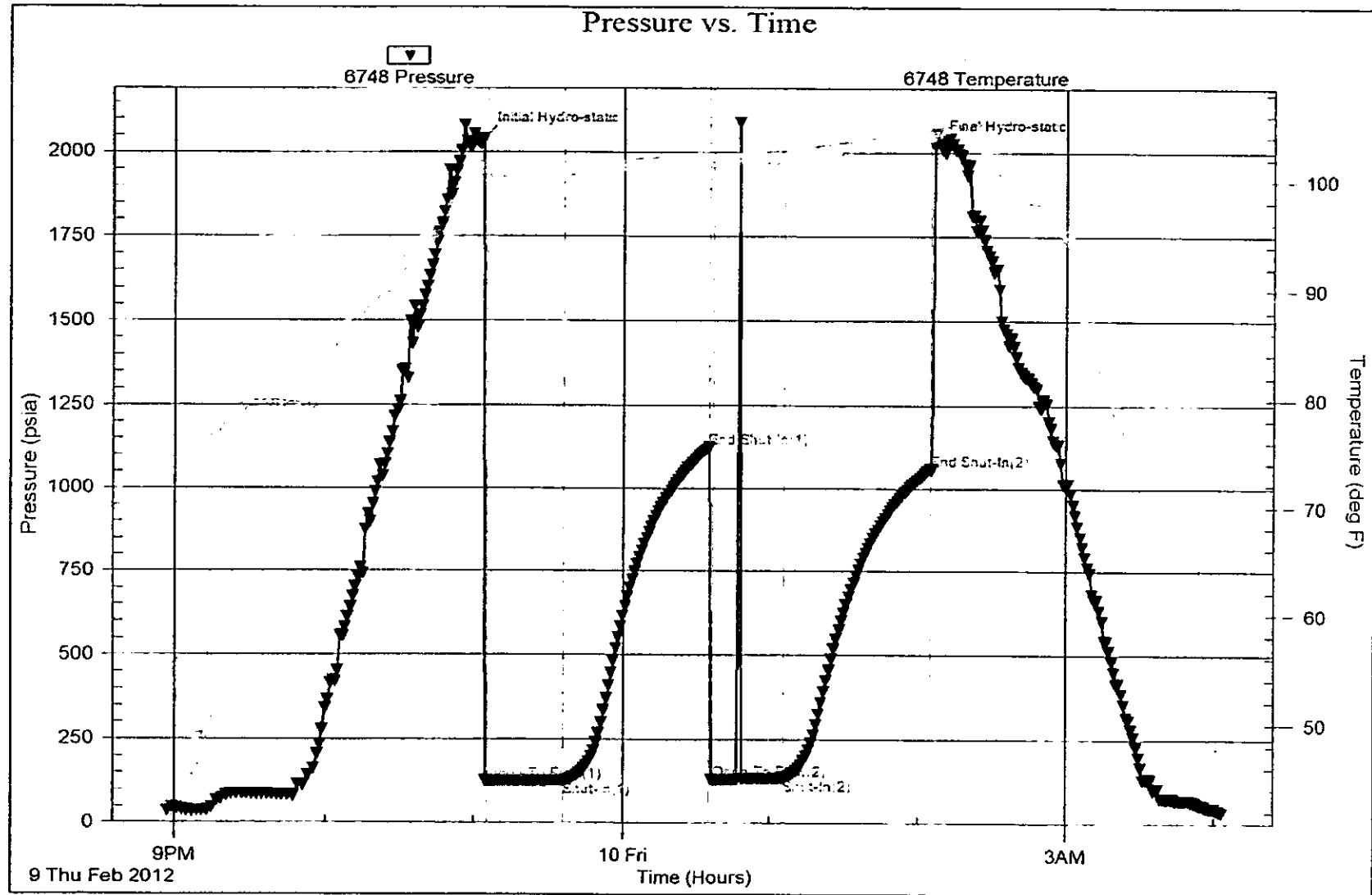
TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 2 inches
 1ST Shut In 60 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut In 60 Minutes/No blow back

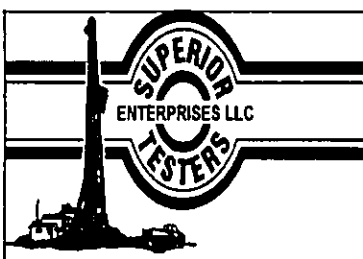


PRESSURE SUMMARY			
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2041.19	101.28	Initial Hydro-static
2	125.57	100.84	Open To Flow (1)
32	127.37	101.00	Shut-in(1)
92	1124.65	101.99	End Shut-in(1)
94	130.82	101.77	Open To Flow (2)
122	134.36	102.26	Shut-in(2)
182	1058.94	104.00	End Shut-in(2)
183	2019.26	104.30	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	Slightly oil cut mud	0.05
0.00	Oil 2% Mud 98%	0.00

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





DRILL STEM TEST REPORT

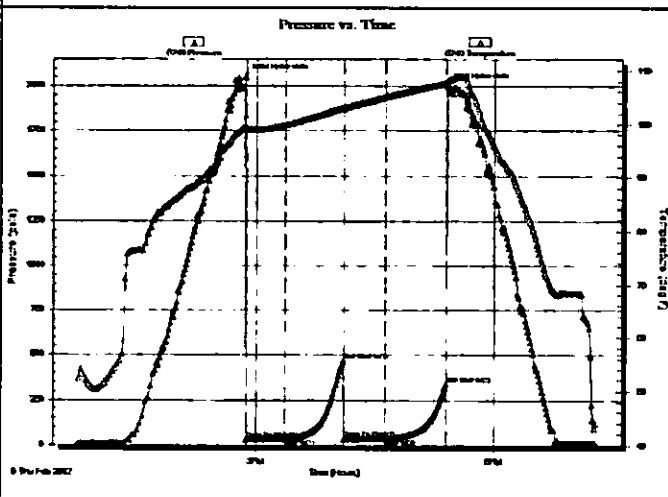
Carrie Exploration 23/12S/22W/Trego
 210 West 22ND Doxon/Bunkor #C-1
 Hays, Kansas 67601 Job Ticket: 17155 DST#: 4
 ATTN: Jeff Lawler Test Start: 2012.02.09 @ 12:42:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:52:30
 Time Test Ended: 19:18:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Hays/50
 Interval: 4044.00 ft (KB) To 4070.00 ft (KB) (TVD)
 Reference Elevations: 2369.00 ft (KB)
 Total Depth: 4070.00 ft (KB) (TVD) 2362.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6749 Outside
 Press@RunDepth: 38.83 psia @ 4067.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.09 End Date: 2012.02.09 Last Cal.b.: 2012.02.09
 Start Time: 12:42:00 End Time: 19:18:00 Time On Btm: 2012.02.09 @ 14:51:30
Time Off Btm: 2012.02.09 @ 17:24:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow /Blow built to 1 inch
 1ST Shut in 45 Minutes/No blow back
 2ND Open 30 Minutes/No blow /Flush tool/Didnt help
 2ND Shut in 45 Minutes/No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2053.49	99.40	Initial Hydro-static
1	36.94	99.05	Open To Flow (1)
30	37.18	99.78	Shut-in(1)
75	469.78	103.14	End Shut-in(1)
75	37.43	102.93	Open To Flow (2)
107	38.83	105.11	Shut-in(2)
152	339.90	107.72	End Shut-in(2)
154	2002.61	108.16	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Slightly oil cut Mud	0.02
0.00	Oil 2% Mud 98%	0.00

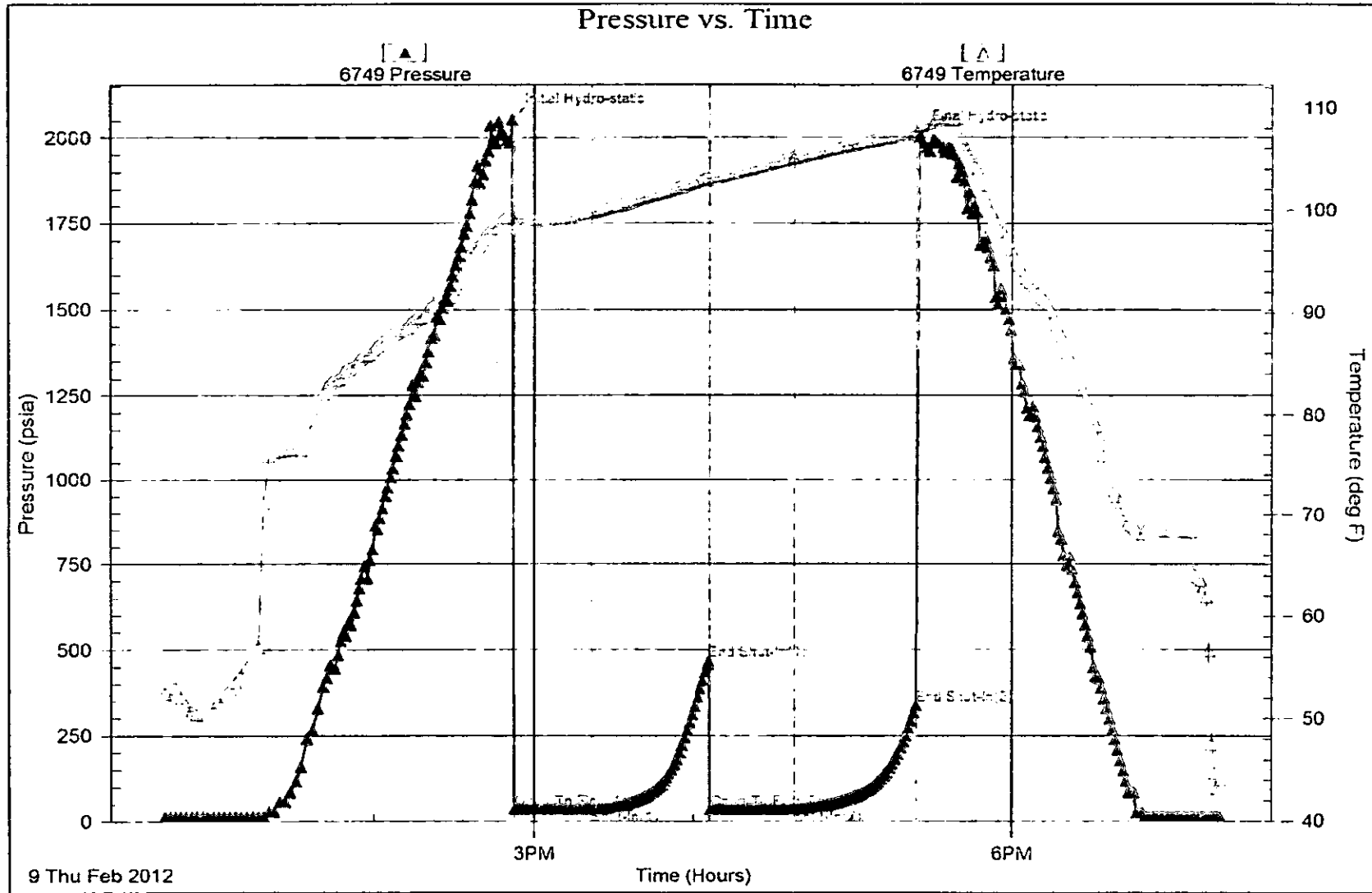
Gas Rates		
Choke (inches)	Pressure (psi)	Gas Rate (Mc/d)

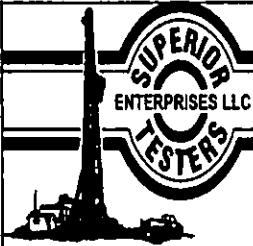
Serial #: 6749

Outside Carra Exportation

DocuBunker #C-1

DST Test Number 4





DRILL STEM TEST REPORT

Carrie Exploration
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

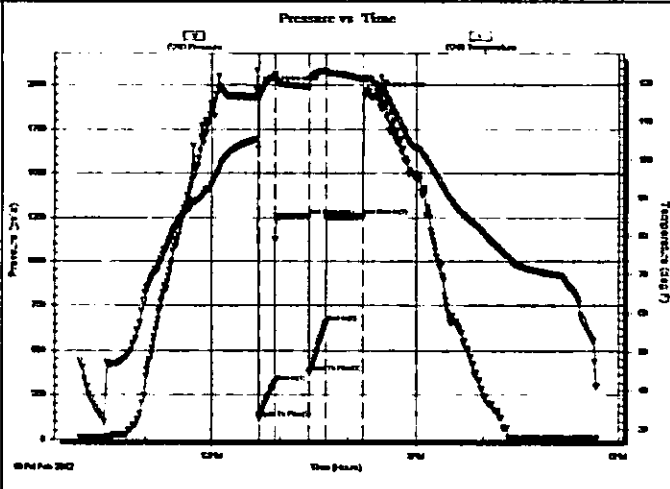
23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17156 DST#: 5
 Test Start: 2012.02.10 @ 10:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 12:42:30 Tester: Ken Swinney
 Time Test Ended: 17:41:00 Unit No. 3325 Hays/50
 Interval: 4068.00 ft (KB) To 4140.00 ft (KB) (TVD) Reference Elevations: 2369.00 ft (KB)
 Total Depth: 4140.00 ft (KB) (TVD) 2362.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6749 Outside
 Press@RunDepth: 652.89 psia @ 4083.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.10 End Date: 2012.02.10 Last Calib.: 2012.02.10
 Start Time: 10:00:00 End Time: 17:41:00 Time On Btm: 2012.02.10 @ 12:39:30
 Time Off Btm: 2012.02.10 @ 14:14:30

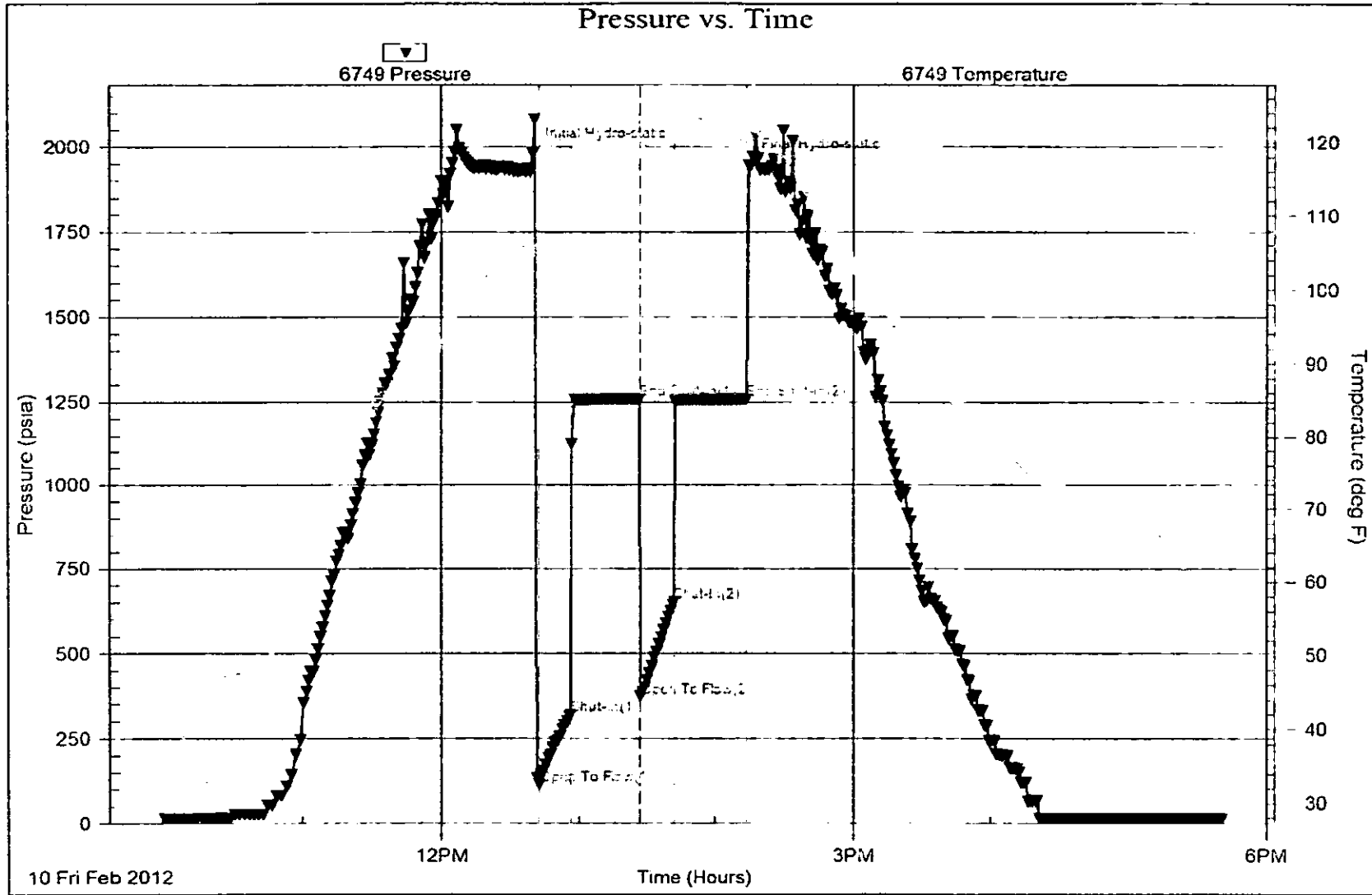
TEST COMMENT: 1ST Open 15 Minutes/Strong blow /Blow to bottom of bucket in 3 minutes
 1ST Shut In 30 Minutes/No blow back *Bottom Packers Failure*
 2ND Open 15 Minutes/Strong blow /Blow to bottom of bucket in 1 1/2 minutes
 2ND Shut In 30 Minutes/No blow back

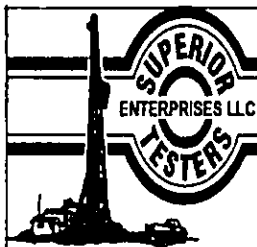


PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1979.38	105.27	Initial Hydro-static
3	115.52	116.03	Open To Flow (1)
17	320.73	121.71	Shut-in(1)
47	1259.32	118.96	End Shut-in(1)
47	372.59	118.76	Open To Flow (2)
62	652.89	123.26	Shut-in(2)
95	1258.91	121.05	End Shut-in(2)
95	1946.30	121.19	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1740.00	Oil cut Muddy Water	23.70
0.00	Oil 5% Mud 40% Water 55%	0.00

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





DRILL STEM TEST REPORT

Carrie Exploration 23/12S/22W/Trego
 210 West 22ND Doxon/Bunker #C-1
 Hays, Kansas 67601 Job Ticket: 17157 DST#: 6
 ATTN: Jeff Lawler Test Start: 2012.02.10 @ 18:10:00

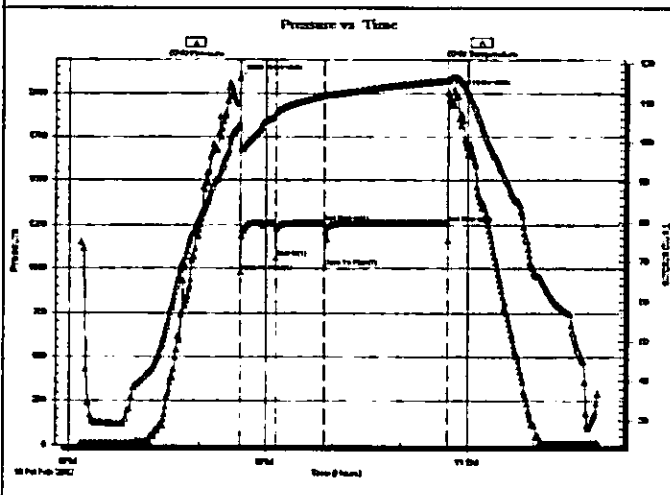
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 20:47:00
 Time Test Ended: 00:00:00
 Test Type: **Conventional Straddle (Initial)**
 Tester: **Jared Scheck**
 Unit No: **3325 Hays/50**
 Interval: **4066.00 ft (KB) To 4084.00 ft (KB) (TVD)**
 Reference Elevations: **2369.00 ft (KB)**
 Total Depth: **4140.00 ft (KB) (TVD)**
2362.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: 7.00 ft

Serial #: 6749

Press@RunDepth: **1261.97 psia @** ft (KB) Capacity: psia
 Start Date: **2012.02.10** End Date: **2012.02.11** Last Cal'b.: **1899.12.30**
 Start Time: **18:10:00** End Time: **01:57:30** Time On Btm: **2012.02.10 @ 20:36:30**
Time Off Btm: **2012.02.10 @ 23:43:00**

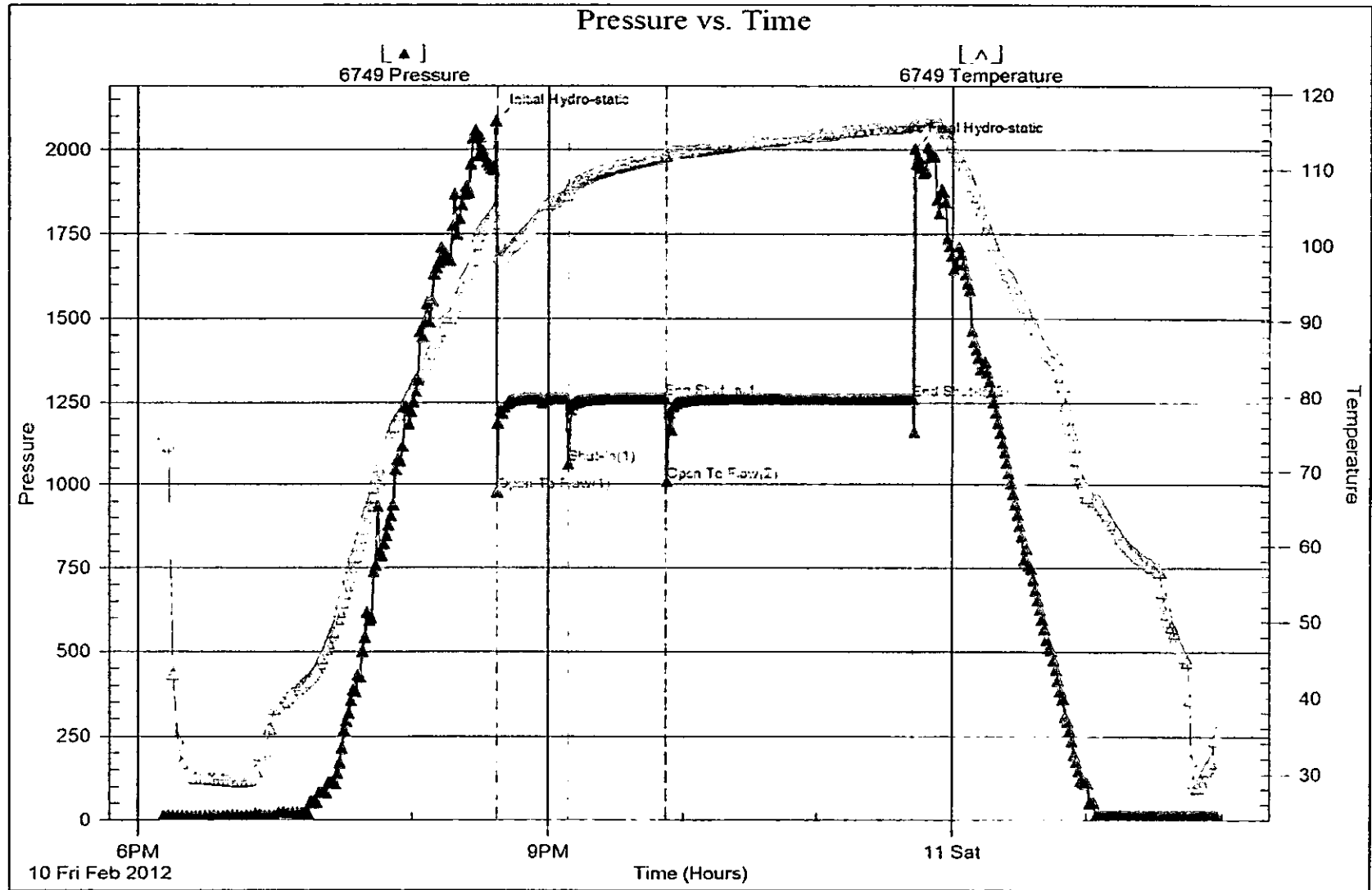
TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 1/2 into bucket w ater stayed steady throughout open
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 30 Minutes-Weak surface blow died off *Misrun - Tool plugged*
 2nd Shut-in 60 Minutes-No blow back

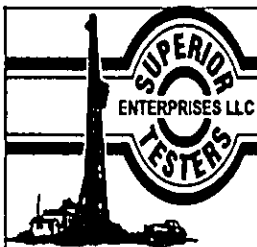


PRESSURE SUMMARY			
Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	2088.10	105.11	Initial Hydro-static
1	979.14	102.78	Open To Flow (1)
32	1062.06	107.47	Shut-in (1)
76	1262.71	111.82	End Shut-in (1)
76	1011.05	111.80	Open To Flow (2)
186	1261.97	115.72	End Shut-in (2)
187	2005.08	115.92	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates		
Choke (inches)	Pressure (psia)	Gas Rate (Mscf/d)





DRILL STEM TEST REPORT

Carrie Exploraton
 210 West 22ND
 Hays, Kansas 67601
 ATTN: Jeff Lawler

23/12S/22W/Trego
 Doxon/Bunker #C-1
 Job Ticket: 17158 DST#:7
 Test Start: 2012.02.11 @ 08:30:00

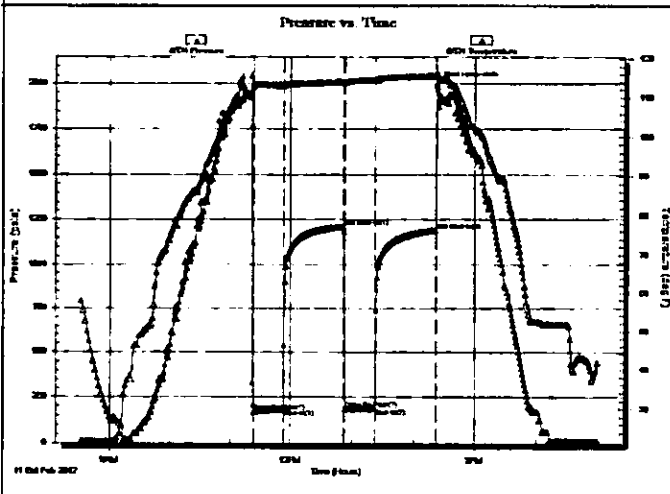
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 11:24:00
 Time Test Ended: 17:00:30
 Interval: **4066.00 ft (KB) To 4084.00 ft (KB) (TVD)**
 Total Depth: **4140.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**
 Test Type: **Conventional Straddle (initial)**
 Tester: **Jared Scheck**
 Unit No: **3325-Hays-50**
 Reference Elevations: **2369.00 ft (KB)**
2362.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8524

Press@RunDepth: **190.66 psia @ ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2012.02.11** End Date: **2012.02.11** Last Calib.: **2012.02.11**
 Start Time: **08:30:00** End Time: **17:00:30** Time On Btm: **2012.02.11 @ 11:21:00**
 Time Off Btm: **2012.02.11 @ 14:22:30**

TEST COMMENT: 1st Opening 30 Minutes-Tool chased 10 feet to bottom weak blow built 6 inches into bucket in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 minutes-Weak blow built 1 1/2 into bucket in 30 minutes
 2nd shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psia)	Temp (deg F)	Annotation
0	1941.04	110.96	Initial Hydro-static
3	172.43	113.33	Open To Flow (1)
32	185.20	113.10	Shut-in(1)
91	1213.00	114.09	End Shut-in(1)
93	184.93	113.98	Open To Flow (2)
122	190.66	114.62	Shut-in(2)
181	1191.56	115.72	End Shut-in(2)
182	1995.98	115.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Oil mud 80 %mud 40% oil	0.59
120.00	Oil mud 20 %oil 80 %mud	1.14
180.00	muddy oil 90% mud 10% oil	2.52

Gas Rates

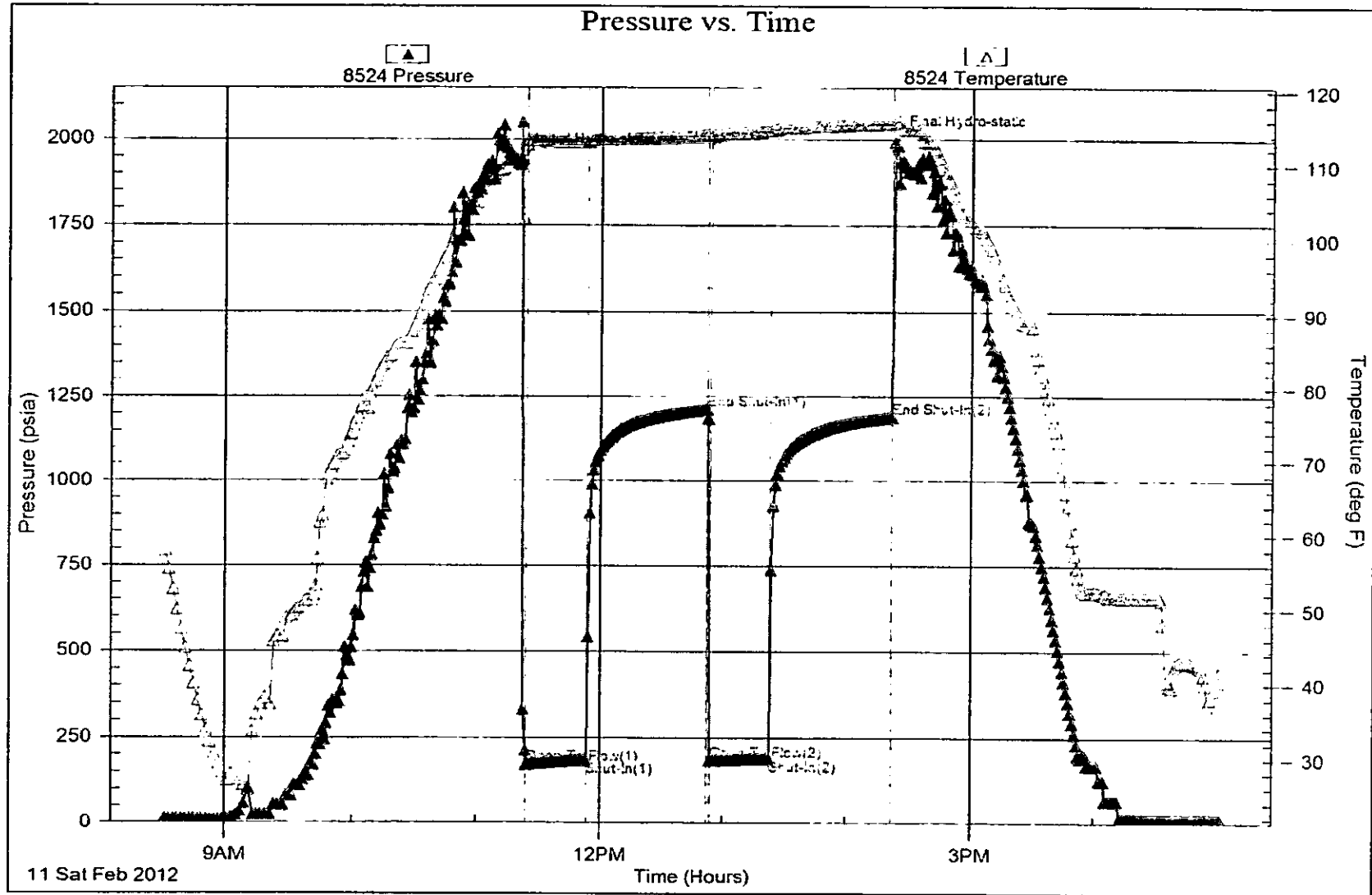
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Senal #: 8524

Carrie Exploration

Doxon/Bunker #C-1

DST Test Number: 7

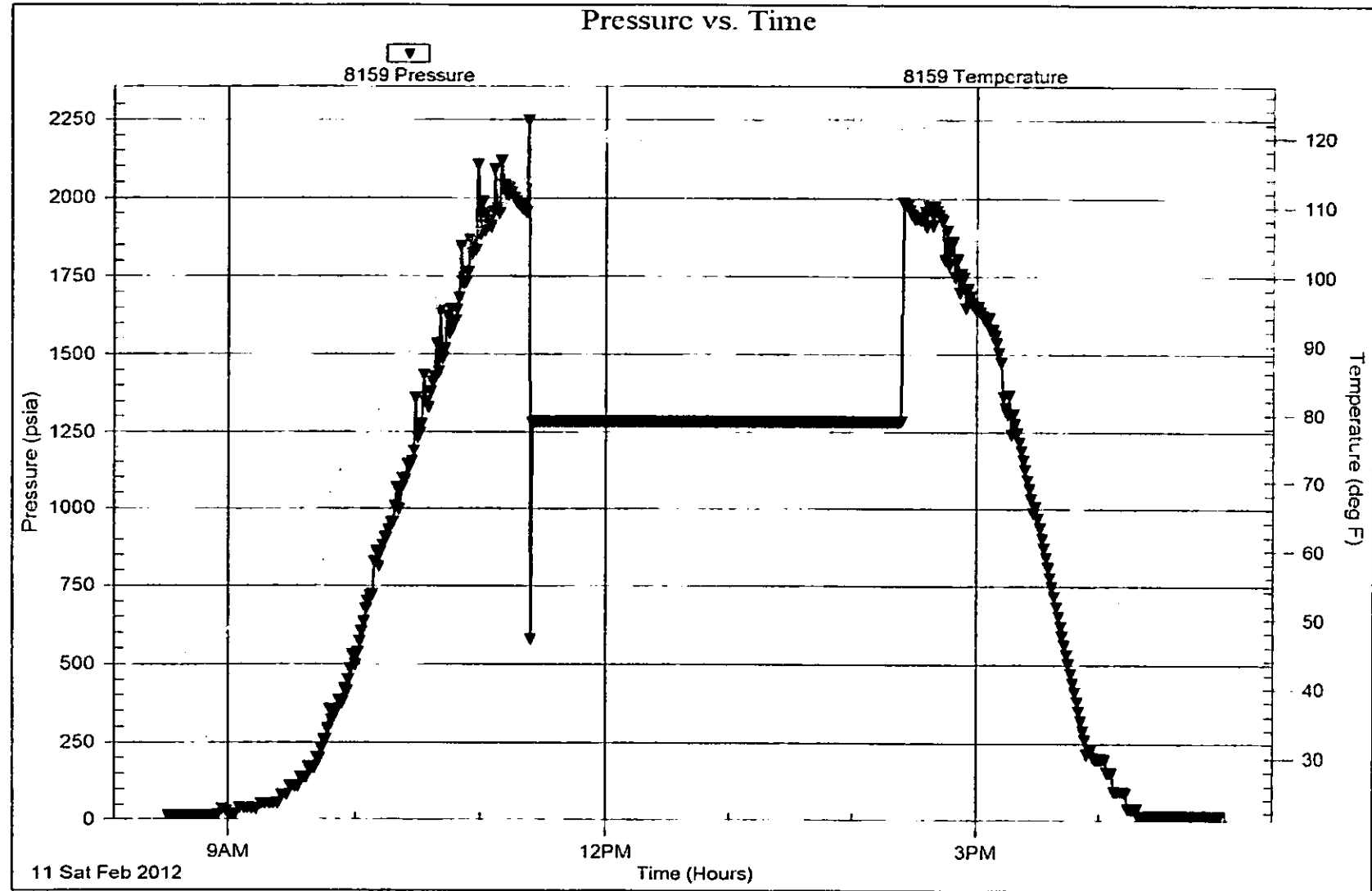


Serial #: 8159

Carrie Exploration

Down-Builder #C-1

DST Test Number: 7



SOUTHWIND DRILLING, INC.

RIG #4

PO Box 276, Ellinwood, KS 67526
Office Phone 620-564-3800, Fax 620-564-3845

DRILLING REPORT

Doxon/Bunker C-1

Location: 2194' FNL & 2310' FEL
API#: 15-195-22761-00-00

Section: 23-12S-22W
Trego County, Kansas

OWNER: Carrie Exploration & Development
CONTRACTOR: Southwind Drilling, Inc.

COMMENCED: 02/01/2012
COMPLETED: 02/12/2012

TOTAL DEPTH: Driller: 4136'
Logger: 4139'

Ground Elevation: 2362'
KB Elevation: 2369'

LOG:

0'	-	260'	Surface Hole
260'	-	1782'	Sand / Shale
1782'	-	1807'	Anhydrite
1807'	-	3136'	Sand / Shale
3136'	-	3660'	Lime / Shale
3660'	-	3715'	Kansas City
3715'	-	4035'	Lime / Shale
4035'	-	4078'	Marmaton
4078'	-	4136'	Arbuckle
		4136'	RTD

CASING RECORDS

Surface casing

Ran 6 joints of new 24# 8 5/8" casing, Tally @ 250', Set @ 260', cemented with 250 sacks of common, 3% cc, 2% gel, cement did circulate, by Allied (Ticket #056952), plug was down @ 12:45 am on 2/2/2012.

Production casing

Ran 98 joints of 5 1/2" casing, Tally @ 4177', Set @ 4137', cemented with 205 sacks, 175 sacks of AA2, 30 sacks of 60/40 Poz, by Basic (Ticket #4137), plug was down @ 8:30 am on 2/12/2012.

DEVIATION SURVEYS

1/2 degree(s)	@	260'
1 degree(s)	@	3690'
1 3/4 degree(s)	@	4035'
2 degree(s)	@	4136'



TREATMENT REPORT

Acid Stage No.

Date 2/24/12 District G.B F. O. No. C39009
 Company Carrie Exploration
 Well Name & No. Daxon-Bunker C-#1
 Location _____ Field _____
 County Trego State Ks

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Breakdown _____ 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. _____

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 7/8" Hung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Actual Volume of (H₂O)/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks, No. Used: 300 Hp. _____ Twin _____
 Auxiliary Equipment 317/310
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____

Open Hole Size _____ T. I. _____ ft. P. I. to _____ ft.

Company Representative John R. Treater Nathan W.

TIME a.m. <u>6:30</u>	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
10:30	2 7/8"	5 1/2"		On location.
:				
:				Part collar @ 1,693'
:				Spot 2 sts. sand on RBP.
:				Locate part-collars.
:				Pressure up to 500#
:				Open part-collars.
:				Mix 275 sts 65/35 per 6% sol.
:				Circulated cement to surface
:				Circ. 35 sts. to pit.
:				Shut part-collars. Test to 1,000#
:				Run 3 sts. Reverse out
:				Circulate sand off RBP.
:				
:				
:				Thank you!
:				Nathan W.

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:
 C39009-IN

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

LEASE: DOXON-BUNKER C-1

C

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
02/29/2012	C39009		02/24/2012		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
40.00	MI	CEMENT MILEAGE PUMP TRUCK		0.00	4.00	160.00
40.00	MI	CEMENT MILEAGE PU TRUCK		0.00	2.00	80.00
1.00	EA	CEMENT PUMP CHARGE		0.00	950.00	950.00
275.00	SAX	65-35 POZ MIX 2% GEL		0.00	9.25	2,543.75
10.00	SAX	4% ADDITIONAL GEL		0.00	20.00	200.00
285.00	EA	BULK CHARGE		0.00	1.25	356.25
504.00	MI	BULK TRUCK - TON MILES		0.00	1.10	554.40
		<i>pd 3-23-12 # 3044</i>				
		<i>Add 40000 to Becker per packer</i>				
		<i>5509.00</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP		Net Invoice:		4,844.40
RECEIVED BY _____		NET 30 DAYS		TRECO Sales Tax:		64.60
				Invoice Total:		4,909.00
FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.						

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



PAGE	CUST NO	INVOICE DATE
1 of 1	1005952	02/15/2012
INVOICE NUMBER		
1718 - 90830692		

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

J LEASE NAME Doxon Bunker C-1
 O B LOCATION
 COUNTY Trego
 STATE KS
 S JOB DESCRIPTION Cement-New Well Casing/Pi
 I T E JOB CONTACT
 #
 pd 1695
 3-21-12

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40430217	20920		Net - 30 days	03/16/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 02/12/2012 to 02/12/2012</i>				
0040430217				
171805649A Cement-New Well Casing/Pi 02/12/2012				
Cement 5 1/2" Longstring Port Collar				
AA2 Cement	175.00	EA	13.60	2,380.00
60/40 POZ	30.00	EA	9.60	288.00
C-41P	42.00	EA	3.20	134.40
Salt	804.00	EA	0.40	321.60
C-44	124.00	EA	4.12	510.88
FLA-322	83.00	EA	6.00	498.00
Gilsonite	875.00	EA	0.54	469.00
Super Flush	336.00	EA	1.96	658.56
Auto Fill float Shoe 5 1/2"(Blue)	1.00	EA	288.00	288.00
Latch Down Plug & Baffle 5 1/2"(Blue)	1.00	EA	320.00	320.00
5 1/2" Port Collar	1.00	EA	2,800.00	2,800.00
5 1/2" Basket(Blue)	1.00	EA	232.00	232.00
Turbolizer 5 1/2"(Blue)	8.00	EA	88.00	704.00
Heavy Equipment Mileage	200.00	MI	5.60	1,120.00
Proppant and Bulk Delivery Charge	955.00	MI	1.28	1,222.40
Blending & Mixing Service Charge	205.00	MI	1.12	229.60
Plug Container Utilization Charge	1.00	EA	200.00	200.00
Unit Mileage Charge-Pickups, Vans & Cars	100.00	HR	3.40	340.00
Depth Charge; 4001-5000'	1.00	HR	2,016.00	2,016.00
Service Supervisor	1.00	HR	140.00	140.00

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	14,872.44
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	357.71
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	15,230.15
DALLAS, TX 75284-1903	MIDLAND, TX 79702		