

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 33372  
Name: Future Petroleum Company LLC  
Address 1: P.O. Box 540225  
Address 2: \_\_\_\_\_  
City: Houston State: TX Zip: 77254 + \_\_\_\_\_  
Contact Person: Chris Haefele  
Phone: ( 713 ) 993-0774  
CONTRACTOR: License # 5822  
Name: Val Energy, Inc.  
Wellsite Geologist: Roger Martin  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
(Core, WSW, Expl., Cementation)

KANSAS CORPORATION COMMISSION  
AUG 24 2009  
RECEIVED

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Enhr. \_\_\_\_\_ Conv. to SWD \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
4/22/2009      4/28/2009      7/24/2009  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 165-21849-0000  
Spot Description: \_\_\_\_\_  
NW  SE  SE  SE Sec. 14 Twp. 18 S. R. 18  East  West  
340 Feet from  North /  South Line of Section  
610 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Rush  
Lease Name: Renz Well #: 1-14  
Field Name: \_\_\_\_\_  
Producing Formation: Arbuckle  
Elevation: Ground: 2010' Kelly Bushing: 2020'  
Total Depth: 3900' Plug Back Total Depth: 3847'  
Amount of Surface Pipe Set and Cemented at: 1172 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 Alt I No 10-14-09  
(Data must be collected from the Reserve Pit)  
Chloride content: 5000 ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]  
Title: Operations Manager Date: 19 Aug 2009  
Subscribed and sworn to before me this 19th day of August,  
2009.  
Notary Public: Carrie Calahan  
Date Commission Expires: 12-10-12



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: 9/29/09  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Future Petroleum Company LLC Lease Name: Renz Well #: 1-14  
 Sec. 14 Twp. 18 S. R. 18  East  West County: Rush

**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 copy of all Electric Wireline 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 checked="" type="checkbox"/> Yes <input 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 <i>(Submit Copy)</i>  List All E. Logs Run: <b>Microresistivity, Sonic, Dual Compensated Porosity Log, Gamma Ray Neutron</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Stone Corral</td> <td>1157</td> <td>+863</td> </tr> <tr> <td>Topeka</td> <td>3033</td> <td>-1013</td> </tr> <tr> <td>Heebner</td> <td>3358</td> <td>-1388</td> </tr> <tr> <td>LKC</td> <td>3412</td> <td>-1488</td> </tr> <tr> <td>Arbuckle</td> <td>3783</td> <td>-1763</td> </tr> </table>	Name	Top	Datum	Stone Corral	1157	+863	Topeka	3033	-1013	Heebner	3358	-1388	LKC	3412	-1488	Arbuckle	3783	-1763
Name	Top	Datum																	
Stone Corral	1157	+863																	
Topeka	3033	-1013																	
Heebner	3358	-1388																	
LKC	3412	-1488																	
Arbuckle	3783	-1763																	

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 1/4	8 5/8	24	1172	A-Con/Common	285/150	3% CaCl, 2% Gel
Production	7 7/8	4 1/2	10.5	3897	AA-2	185	3% CaCl, 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
6	3811-14' Cemented Retainer @ 3808'	250g 15% MCA	3798-3814
6	3798-3806'	150g 15% NEFE	3798-3806
4	3791-3796; 3550 RBP	500g 20% FE	3791-3806
4	3434-3437	250g 20% MCA	3734-37

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>None</u> Packer At: <u>None</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>July 24, 2009</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>4</u> Gas Mcf <u> </u> Water Bbls. <u>12</u> Gas-Oil Ratio <u> </u> Gravity <u> </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 <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>3434-3437 LKC</u>
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August 18, 2009

VIA FEDERAL EXPRESS

KANSAS CORPORATION COMMISSION

AUG 24 2009

RECEIVED

Kansas Corporation Commission  
Oil & Gas Conservation Division  
Finney State Office Bldg.  
130 S. Market – Room 2078  
Wichita, Kansas 67202

RE: Renz #1-14 – API #15-165-21849-0000  
Rush Co, KS

Enclosed is an original and one (1) copy of the Well Completion Form along with the following requested information: (1) All Wireline Logs, (2) Geologist Report, (3) Drill Stem Tests and (4) Cementing Tickets.

We request that all information submitted be held confidential for 12 months.

Thank you.

Sincerely,

Future Petroleum Company LLC

Carrie Calahan  
Production Manager



PAGE	CUST NO	INVOICE DATE
1 of 2	1001576	05/01/2009
INVOICE NUMBER		
1718 - 90016469		

Pratt (620) 672-1201

B FUTURE PETROLEUM COMPANY  
 I PO Box: 540225  
 L HOUSTON  
 L TX US 77254  
 T  
 O ATTN:

J LEASE NAME Rent ~~X~~ 14-1 1-14  
 O LOCATION  
 B COUNTY Rush  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE		
40024638	20920-0		Net - 30 days	05/31/2009		
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 04/29/2009 to 04/29/2009						<i>See</i>
0040024638	4-42"	171800180A Cement-New Well Casing/Pi 04/29/2009				
Cement			185.00	EA	6.80	1,258.00 T
AA2 Cement			50.00	EA	4.80	240.00 T
Cement			1,561.00	EA	0.20	312.20 T
60/40 POZ						
Additives			87.00	EA	2.40	208.80 T
Salt						
Additives			925.00	EA	0.27	247.90 T
Cement Friction Reducer						
Additives			500.00	EA	0.61	306.00 T
Gilsonite						
Additives			1.00	EA	32.00	32.00
Super Flush II						
Cement Float Equipment			1.00	EA	90.00	90.00
Top Rubber Cement Plug						
Cement Float Equipment			1.00	EA	80.00	80.00
Guide Shoe-Regular						
Cement Float Equipment			3.00	EA	34.00	102.00
Flapper Type Insert Float Valves						
Cement Float Equipment			1.00	EA	108.00	108.00
Turbolizer						
Cement Float Equipment			150.00	MI	2.80	420.00
4 1/2" Basket						
Mileage			814.00	MI	0.64	520.96
Heavy Equipment Mileage						
Mileage			235.00	MI	0.56	131.60
Proppant & Bulk Delivery Charges						
Mileage			75.00	HR	1.70	127.50
Blending & Mixing Service Charge						
Pickup			1.00	EA	864.00	864.00
Unit Mileage Charge						
Depth Charge						

*See Page 2*



10244 NE Hwy. 61  
 P.O. Box 8613  
 Pratt, Kansas 67124  
 Phone 620-672-1201

FIELD SERVICE TICKET  
 1718 0258 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>4-23-09</b>	DISTRICT <b>Pratt</b>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER <b>Future Petroleum</b>	LEASE	WELL NO.					
ADDRESS	COUNTY <b>Rush</b>	STATE <b>Ks</b>					
CITY	STATE <b>Ks</b>	SERVICE CREW					
AUTHORIZED BY	JOB TYPE: <b>CNW 8 1/2 Superic</b>						

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
9903/15905	1.10am						4-23-09	PM	1:00
9960/15916	1.15am								
9831/15862	1-10am								

CONTRACT CONDITIONS: (This contract must be signed before the job is completed.)  
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned, on behalf of the customer, warrants that the products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No other terms and conditions become a part of this contract without the written consent of an officer of Basic Energy Services LP.

TEMP/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	LINE QUANTITY
P 101	A-CON-Block	5
P 100	Common	5
E 109	Calcium chloride	16
C 200	CMT gel	16
F 105	TOP Rubber Plug 8 1/2	1
F 253	Small shoe	1
F 1453	FUSION Flood	1
F 1793	Centrifuges	2
101	Heavy Equip. Position	1
113	Bull Down charge	2
100	Deck of mill	1
E 240	Blending a mixing charge	25
1003	Service Supplies	5
E 202	Depth charge 1000' - 1000' of 1/2"	1
E 504	plug constant rate	1

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT  
 MATERIALS

SERVICE REPRESENTATIVE *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY *[Signature]*

FIELD SERVICE ORDER NO.



PAGE 1 of 1	CUST NO 1001576	INVOICE DATE 04/27/2009
INVOICE NUMBER <b>1718 - 90011924</b>		

Pratt (620) 672-1201

B FUTURE PETROLEUM COMPANY  
I PO Box: 540225  
L HOUSTON  
L TX US 77254  
T  
O ATTN:

J LEASE NAME Rent 1-14  
O LOCATION  
B COUNTY Rush  
S STATE KS  
I JOB DESCRIPTION Cement-New Well Casing/Pi  
T JOB CONTACT  
E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40021983	19905-0		Net - 30 days	05/27/2009

For Service Dates: 04/23/2009 to 04/23/2009

0040021983

171800258A Cement-New Well Casing/Pi 04/23/2009

8-5/8"  
WELL ID/AFE # 1750083  
CODE 830.130  
NORR Chesapeake 5710  
APPROVAL

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Cement	285.00	EA	6.30	1,795.50 T
A-Con Blend Common Cement	150.00	EA	5.60	840.00 T
Common Calcium Chloride	1,227.00	EA	0.37	450.92 T
Additives	282.00	EA	0.09	24.68 T
Cement Gel				
Cement Float Equipment	1.00	EA	78.75	78.75
Top Rubber Cement Plug				
Cement Float Equipment	1.00	EA	133.00	133.00
Guide Shoe-Regular				
Cement Float Equipment	1.00	EA	98.00	98.00
Flapper Type Insert Float Valves				
Cement Float Equipment	2.00	EA	31.50	63.00
Centralizer				
Mileage	225.00	MI	2.45	551.25
Heavy Equipment Mileage				
Mileage	1,534.00	MI	0.56	859.04
Proppant & Bulk Delivery Charges				
Mileage	435.00	MI	0.49	213.15
Blending & Mixing Service Charge				
Pickup	75.00	HR	1.49	111.56
Unit Mileage Charge				
Depth Charge	1.00	EA	525.00	525.00
Depth Charge; 1001'-2000'				
Cementing Head w/Manifold	1.00	EA	87.50	87.50
Plug Container Utilization Charge				
Supervisor	1.00	HR	61.25	61.25

*100  
120  
804/09*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,892.60
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	196.00
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	6,088.60
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



PAGE 2 of 2	CUST NO 1001576	INVOICE DATE 05/01/2009
INVOICE NUMBER 1718 - 90016469		

Pratt (620) 672-1201

B FUTURE PETROLEUM COMPANY  
I PO Box: 540225  
L HOUSTON  
L TX US 77254  
T  
O ATTN:

J LEASE NAME Rent <sup>1-14</sup> 14/1  
O  
B LOCATION  
COUNTY Rush  
S STATE KS  
I JOB DESCRIPTION Cement-New Well Casing/Pi  
T  
E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40024638	20920-0		Net - 30 days	05/31/2009	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Depth Charge; 3001'-4000'		1.00	EA	100.00	100.00
Cementing Head w/Manifold		1.00	EA	120.00	120.00
Plug Container Utilization Charge		1.00	HR	70.00	70.00
High Head Charge					
Supervisor					

WELL ID/AFE #	<u>1750083</u>
CODE	<u>840.130</u>
FOR R	<u>Chadwick 5/13</u>
	APPROVAL

*KCL  
5/13/09*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,338.96
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	162.09
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	5,501.05
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET

1718 0180 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 4-29-09		DISTRICT Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: 1-14						
CUSTOMER Future Petroleum Co.		LEASE Rent		WELL NO. <del>1-14</del>						
ADDRESS		COUNTY Rush		STATE Ks.						
CITY		STATE		SERVICE CREW A. Werth, B. Shields, E.J. McGraw						
AUTHORIZED BY		JOB TYPE: 4 1/2" Long String CW								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
# 28443 - P.U.	1						4-29-09			1340
419959-20920-PT	1					ARRIVED AT JOB	4-29-09			1430
419831-19862-BIK	1					START OPERATION				
						FINISH OPERATION	4-29-09			2015
						RELEASED	4-29-09			2115
						MILES FROM STATION TO WELL	4-30-09			2700
										75 miles

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
P-CP105	AA-2 cement	sk	185		\$ 3,145.00
P-CP103	60/40 Poz	sk	50		\$ 600.00
P-CC111	SALT (FINE)	lb	1561		\$ 780.50
P-CC112	Cement Friction Reducer	lb	87		\$ 532.00
P-CC201	Gilsonite	lb	925		\$ 619.75
P-CC155	Super Flush II	gal	500		\$ 765.00
P-CF102	Top Rubber cement Plug 4 1/2"	CA	1		\$ 80.00
P-CF250	Guide Shoe Regular 4 1/2" (Blue)	CA	1		\$ 225.00
P-CF1450	Flapper Type Insert Float Valve 4 1/2"	CA	1		\$ 200.00
P-CF1650	Turbolizer 4 1/2" "Blue"	CA	3		\$ 255.00
P-CF1900	Basket 4 1/2" (Blue)	CA	1		\$ 270.00
P-E101	Heavy Equip mileage	mi	150		\$ 1050.00
P-E113	Bulk/Del Chg	Tr	814		\$ 1302.40
P-E100	Unit Mileage Charge Pickup	mi	75		\$ 318.75
P-CE740	Blending & mixing Service Chg	sk	235		\$ 329.00
P-S003	Service Supervisor first 8 hrs on loc	CA	1		\$ 175.00
P-CE204	Depth Charge 3000'-4000'	hrs	1.4		\$ 2160.00
P-CE504	Plug Container Utilization Chg	Job	1		\$ 250.00
P-CE503	Overhaul Charge (over 6')	CA	1		\$ 300.00

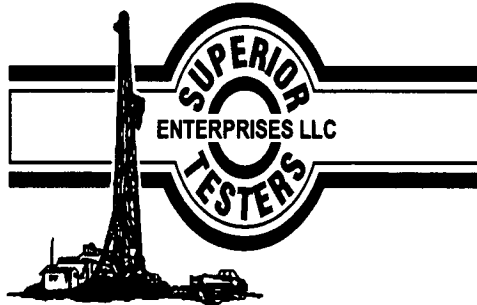
CHEMICAL / ACID DATA:			

KANSAS CORPORATION COMMISSION		SUB TOTAL	
SERVICE & EQUIPMENT	%TAX ON \$		
MATERIAL	%TAX ON \$		
TOTAL		\$ 5,338	96 DLS

RECEIVED  
AUG 24 2003

SERVICE REPRESENTATIVE: A. Werth	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: FERRY, MADDEN
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)





## DRILL STEM TEST REPORT

Prepared For: **FUTURE PETROLEUM CO L.L.C**

1455 W LOOP S  
PP BOX 540225  
HOUSTON TX 77254

ATTN: ROGER MARTIN

**14-18-18**

**RENZ #1-14**

Start Date: 2009.04.28 @ 23:40:37

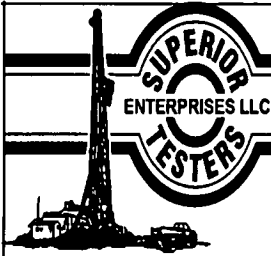
End Date: 2009.04.29 @ 07:27:37

Job Ticket #: 16394                      DST #: 2

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

Printed: 2009.04.29 @ 00:03:36

FUTURE PETROLEUM CO L.L.C      RENZ #1-14      14-18-18      DST # 2      ARBUCKLE      2009.04.28



# DRILL STEM TEST REPORT

FUTURE PETROLEUM CO L.L.C

RENZ #1-14

1455 W LOOP S  
PP BOX 540225  
HOUSTON TX 77254  
ATTN: ROGER MARTIN

14-18-18

Job Ticket: 16394      DST#: 2

Test Start: 2009.04.28 @ 23:40:37

## GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:33:37

Time Test Ended: 07:27:37

Test Type: Conventional Straddle (Initial)

Tester: DAVID NICHOLS

Unit No: 3345 50 M GB

Interval: **3742.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2020.00 ft (KB)

2010.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8405**      Inside

Press@RunDepth: 114.37 psia @ 3815.00 ft (KB)

Start Date: 2009.04.28

End Date: 2009.04.29

Start Time: 23:40:37

End Time: 07:27:37

Capacity: 5000.00 psia

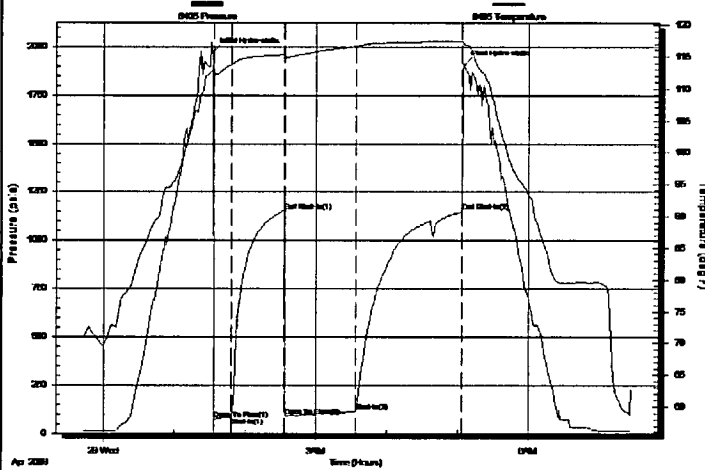
Last Calib.: 2009.04.28

Time On Btm: 2009.04.29 @ 01:32:37

Time Off Btm: 2009.04.29 @ 05:05:07

**TEST COMMENT:** 15-INITIAL OPENING WEAK BLOW BUILT TO 4 INCHES INTO WATER  
45-INITIAL SHUT IN NO BLOW BACK  
60-FINAL OPENING WEAK BLOW BUILT TO 7 INCHES INTO WATER  
90-FINAL SHUT IN NO BLOW BACK

Pressure vs. Time



## PRESSURE SUMMARY

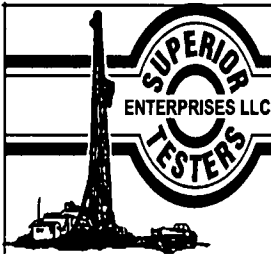
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1972.93	112.82	Initial Hydro-static
1	74.27	112.23	Open To Flow (1)
16	86.14	113.75	Shut-In(1)
61	1153.23	115.25	End Shut-In(1)
62	91.67	114.86	Open To Flow (2)
121	114.37	116.62	Shut-In(2)
211	1150.16	117.45	End Shut-In(2)
213	1907.79	116.99	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	CLEAN OIL 100%O	0.15
90.00	SLIGHTLY OIL CUT MUD 5%O95%M	1.32

## Gas Rates

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



# DRILL STEM TEST REPORT

FUTURE PETROLEUM CO L.L.C

**RENZ #1-14**

1455 W LOOP S  
 PP BOX 540225  
 HOUSTON TX 77254  
 ATTN: ROGER MARTIN

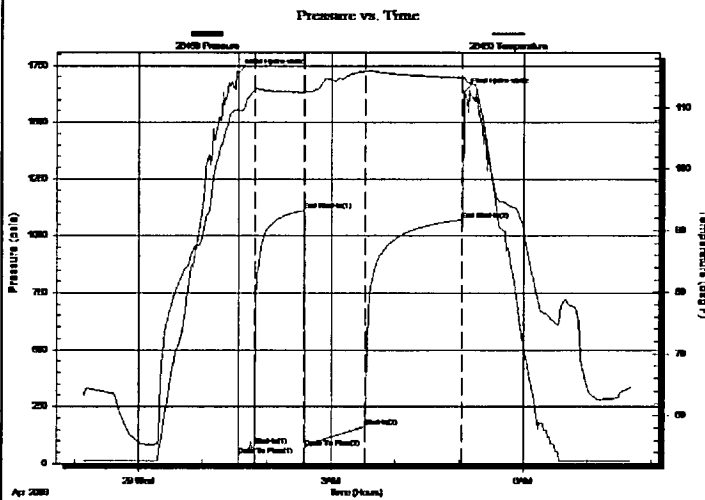
**14-18-18**  
 Job Ticket: 16394      DST#: 2  
 Test Start: 2009.04.28 @ 23:40:37

## GENERAL INFORMATION:

Formation: **ARBUCKLE**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:33:37  
 Time Test Ended: 07:27:37  
 Interval: **3742.00 ft (KB) To 3820.00 ft (KB) (TVD)**  
 Total Depth: 3900.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3345 50 M GB  
 Reference Elevations: 2020.00 ft (KB)  
 2010.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 26450**      **Outside**  
 Press@RunDepth: 1070.60 psia @ 3815.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2009.04.28      End Date: 2009.04.29      Last Calib.: 2009.04.28  
 Start Time: 23:08:36      End Time: 07:40:47      Time On Btm: 2009.04.29 @ 01:32:47  
 Time Off Btm: 2009.04.29 @ 05:03:47

**TEST COMMENT:** 15-INITIAL OPENING WEAK BLOW BUILT TO 4 INCHES INTO WATER  
 45-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING WEAK BLOW BUILT TO 7 INCHES INTO WATER  
 90-FINAL SHUT IN NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1719.42	109.61	Initial Hydro-static
1	37.71	109.52	Open To Flow (1)
16	79.19	112.90	Shut-In(1)
62	1110.94	112.53	End Shut-In(1)
63	73.29	112.48	Open To Flow (2)
120	162.51	115.93	Shut-In(2)
210	1070.60	114.76	End Shut-In(2)
211	1635.18	114.79	Final Hydro-static

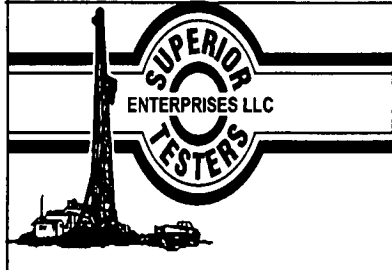
## Recovery

Length (ft)	Description	Volume (bbl)
10.00	CLEAN OIL 100%0	0.15
90.00	SLIGHTLY OIL CUT MUD 5%O95%M	1.32

## Gas Rates

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





# DRILL STEM TEST REPORT

TOOL DIAGRAM

FUTURE PETROLEUM CO L.L.C

RENZ #1-14

1455 W LOOP S  
 PP BOX 540225  
 HOUSTON TX 77254  
 ATTN: ROGER MARTIN

14-18-18

Job Ticket: 16394

DST#: 2

Test Start: 2009.04.28 @ 23:40:37

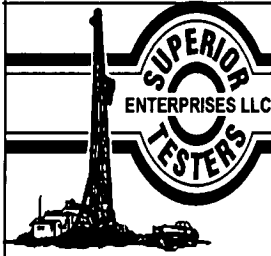
### Tool Information

Drill Pipe:	Length: 3716.00 ft	Diameter: 3.88 inches	Volume: 54.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3742.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	3820.00 ft			
Interval between Packers:	78.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3714.00	
Shut-In Tool	5.00			3719.00	
Hydrolic Tool	5.00			3724.00	
Jars	6.00			3730.00	
Safety Joint	2.00			3732.00	
Packer	5.00			3737.00	29.00 Bottom Of Top Packer
Packer	5.00			3742.00	
Change Over Sub	0.75			3742.75	
Drill Pipe	31.50			3774.25	
Change Over Sub	0.75			3775.00	
Perforations	40.00			3815.00	
Recorder	0.00	8405	Inside	3815.00	
Recorder	0.00	91986	Outside	3815.00	
Bullnose	5.00			3820.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 107.00**



# DRILL STEM TEST REPORT

FLUID SUMMARY

FUTURE PETROLEUM CO L.L.C

RENZ #1-14

1455 W LOOP S  
PP BOX 540225  
HOUSTON TX 77254

14-18-18

Job Ticket: 16394

DST#: 2

ATTN: ROGER MARTIN

Test Start: 2009.04.28 @ 23:40:37

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 65.00 sec/qt

Water Loss: 6.00 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

34 deg API

Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	CLEAN OIL 100%O	0.146
90.00	SLIGHTLY OIL CUT MUD 5%O95%M	1.316

Total Length: 100.00 ft      Total Volume: 1.462 bbl

Num Fluid Samples: 0

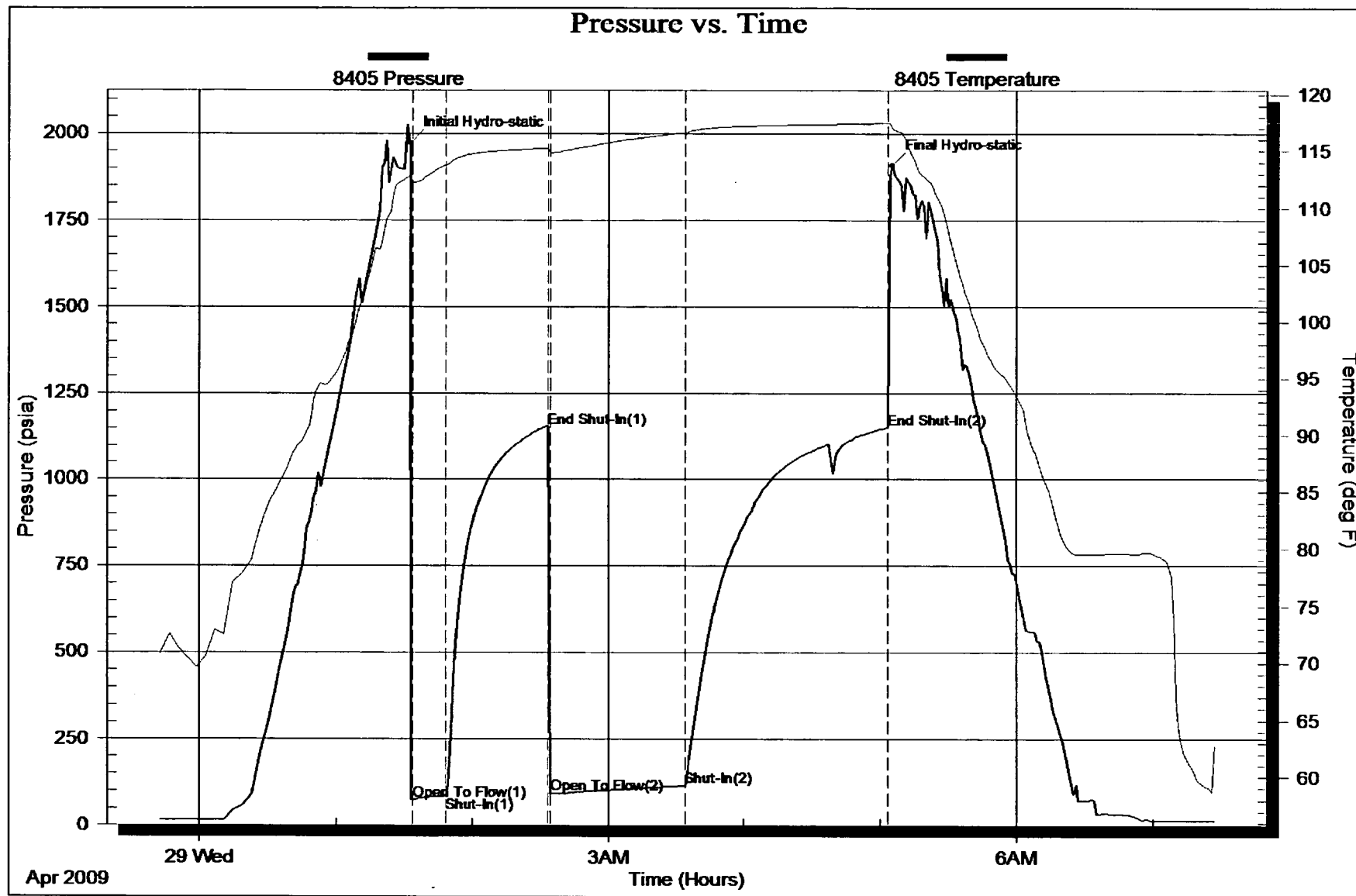
Num Gas Bombs: 0

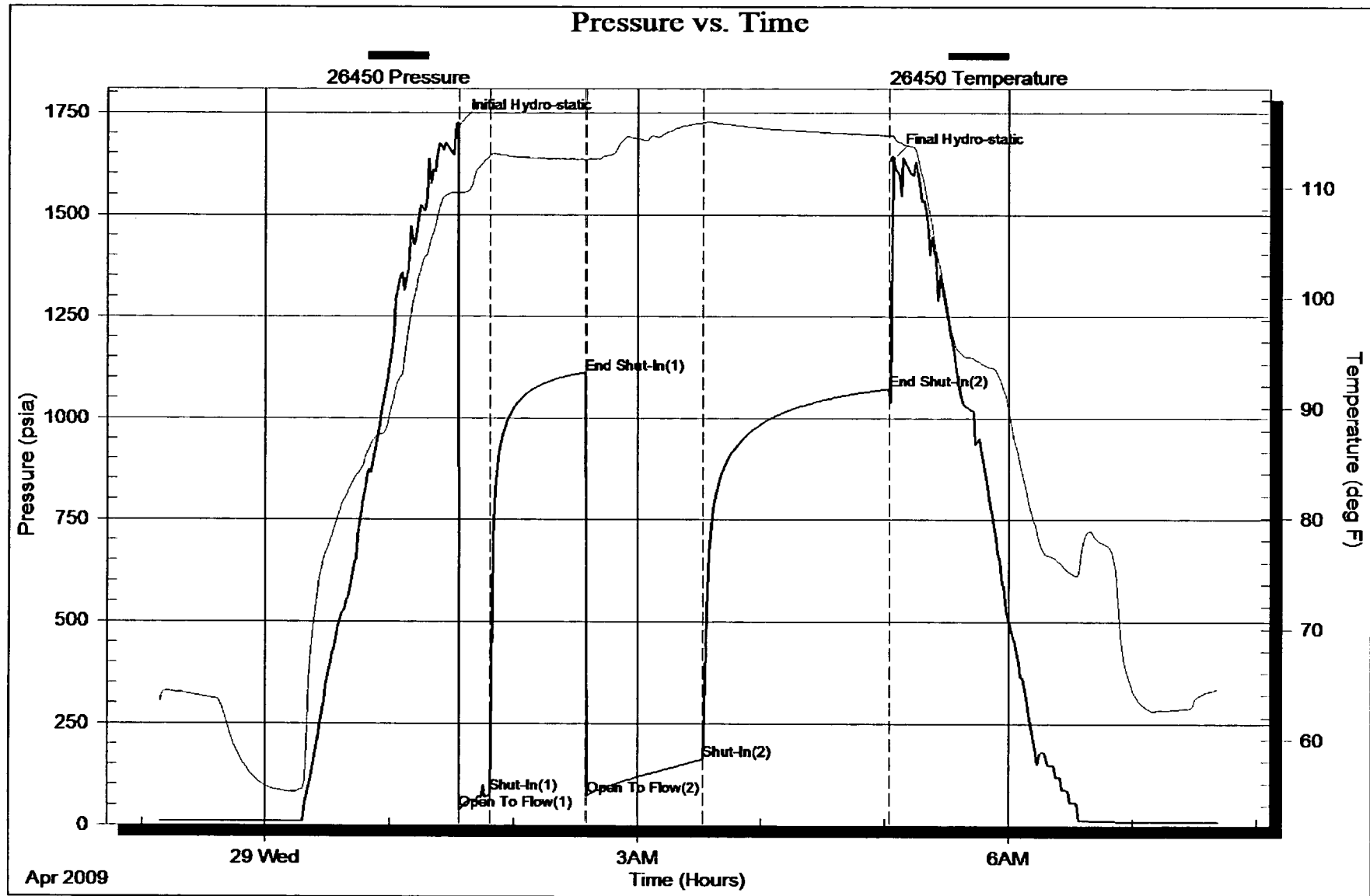
Serial #:

Laboratory Name:

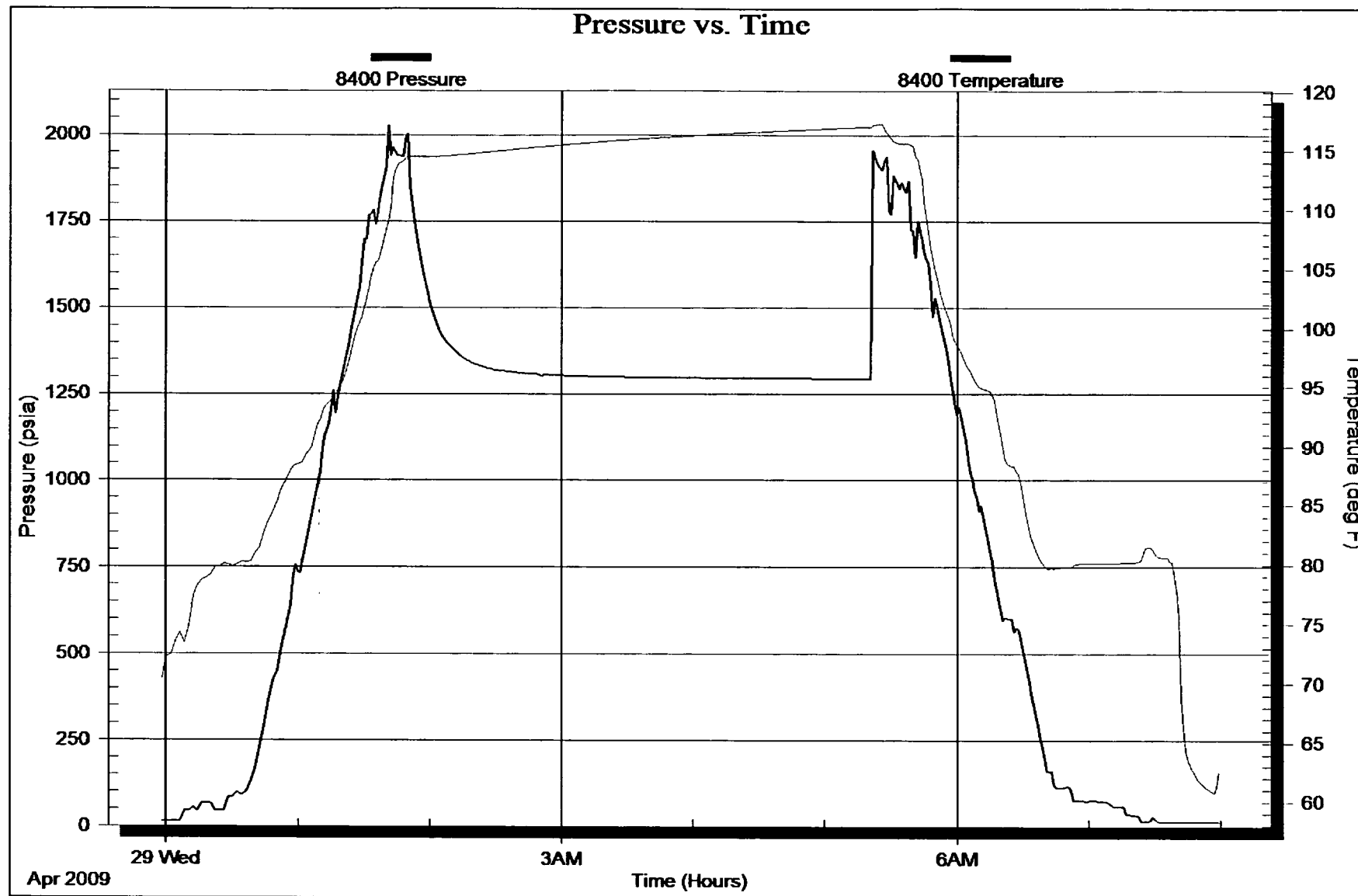
Laboratory Location:

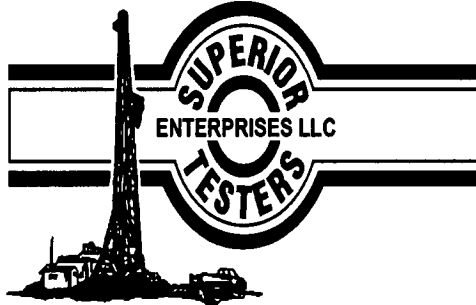
Recovery Comments:











## DRILL STEM TEST REPORT

Prepared For: **FUTURE PETROLEUM CO L.L.C**

1455 W LOOP S  
PP BOX 540225  
HOUSTON TX 77254

KANSAS CORPORATION COMMISSION

ATTN: ROGER MARTIN

**14-18-18**

**RENZ #1-14**

Start Date: 2009.04.27 @ 01:14:49

End Date: 2009.04.27 @ 08:36:19

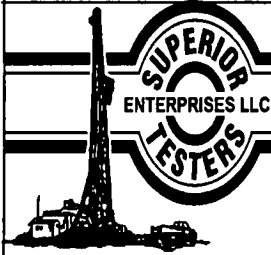
Job Ticket #: 16393                      DST #: 1

**AUG 24 2009**  
**RECEIVED**

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

Printed: 2009.04.27 @ 01:35:39





# DRILL STEM TEST REPORT

FUTURE PETROLEUM CO L.L.C

RENZ #1-14

1455 W LOOP S  
 PP BOX 540225  
 HOUSTON TX 77254  
 ATTN: ROGER MARTIN

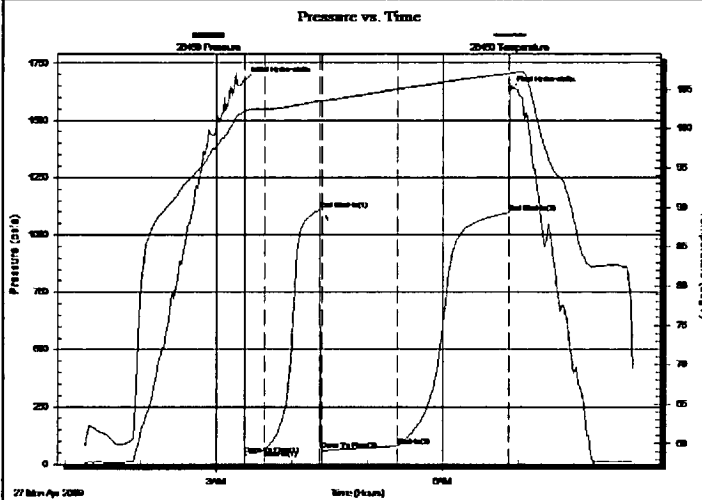
14-18-18  
 Job Ticket: 16393      DST#: 1  
 Test Start: 2009.04.27 @ 01:14:49

## GENERAL INFORMATION:

Formation: **LANSING B**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:21:49  
 Time Test Ended: 08:36:19  
 Interval: **3422.00 ft (KB) To 3447.00 ft (KB) (TVD)**  
 Total Depth: 3447.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3345  
 Reference Elevations: 2020.00 ft (KB)  
 2010.00 ft (CF)  
 KB to GR/CF: 10.00 ft

Serial #: **26450**      Outside  
 Press@RunDepth: 1097.69 psia @ 3442.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2009.04.27      End Date: 2009.04.27      Last Calib.: 2009.04.27  
 Start Time: 01:15:15      End Time: 08:31:27      Time On Btm: 2009.04.27 @ 03:21:57  
 Time Off Btm: 2009.04.27 @ 06:52:57

TEST COMMENT: 15-INITIAL OPENING FAIR BLOW 6 INCHES INTO WATER  
 45-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING FAIR BLOW BOTTOM OF THE BUCKET IN 16 MINS  
 90- FINAL SHUT IN NO BLOW BACK



## PRESSURE SUMMARY

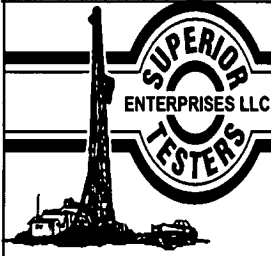
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1671.45	102.24	Initial Hydro-static
1	41.27	102.16	Open To Flow (1)
16	60.68	102.47	Shut-In(1)
61	1108.60	103.57	End Shut-In(1)
62	63.84	103.55	Open To Flow (2)
122	81.37	105.03	Shut-In(2)
211	1097.69	106.98	End Shut-In(2)
211	1630.92	107.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
185.00	GAS 100%G	2.71
30.00	OIL CUT M 5%095%M	0.44
60.00	WATER CUT MUD SIGHT SHOW OIL 1%0.88 M39%W	

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

FUTURE PETROLEUM CO L.L.C

RENZ #1-14

1455 W LOOP S  
PP BOX 540225  
HOUSTON TX 77254

14-18-18

Job Ticket: 16393

DST#: 1

ATTN: ROGER MARTIN

Test Start: 2009.04.27 @ 01:14:49

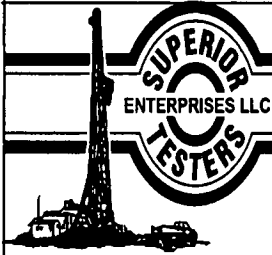
## Tool Information

Drill Pipe:	Length: 3396.00 ft	Diameter: 3.88 inches	Volume: 49.66 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3422.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3394.00	
Shut-In Tool	5.00			3399.00	
Hydrolic Tool	5.00			3404.00	
Jars	6.00			3410.00	
Safety Joint	2.00			3412.00	
Packer	5.00			3417.00	29.00 Bottom Of Top Packer
Packer	5.00			3422.00	
Perforations	20.00			3442.00	
Recorder	0.00	8400	Inside	3442.00	
Recorder	0.00	91986	Outside	3442.00	
Bullnose	5.00			3447.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



# DRILL STEM TEST REPORT

FLUID SUMMARY

FUTURE PETROLEUM CO L.L.C

RENZ #1-14

1455 WLOOP S  
PP BOX 540225  
HOUSTON TX 77254

14-18-18

Job Ticket: 16393

DST#: 1

ATTN: ROGER MARTIN

Test Start: 2009.04.27 @ 01:14:49

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3900.00 ppm			
Filter Cake: 0.10 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GAS 100%G	2.705
30.00	OIL CUT M 5%095%M	0.439
60.00	WATER CUT MUD SIGHT SHOW OIL 1%060%	0.877

Total Length: 275.00 ft      Total Volume: 4.021 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

