

ORIGINAL

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1/25/14

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

JAN 25 2012

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

OPERATOR: License # 30705

Name: Younger Energy Company

Address 1: 453 S. Webb Rd., Suite 100

Address 2: _____

City: Wichita State: KS Zip: 67207 + 1310

Contact Person: Diane Rebstock

Phone: (316) 681-2542

CONTRACTOR: License # 5929

Name: Duke Drilling Co., Inc.

Wellsite Geologist: Herb Deines

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 #: _____

11-12-11

11-21-11

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - 047-21600-00-00

Spot Description: _____

NW SW NE SW Sec. 27 Twp. 25 S. R. 16 East West

1,725 Feet from North / South Line of Section

1,328 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE
- NW
- SE
- SW

County: Edwards

Lease Name: Cudney R Well #: 1

Field Name: Wil

Producing Formation: _____

Elevation: Ground: 2070' Kelly Bushing: 2081'

Total Depth: 4511' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 384 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: 6,000 ppm Fluid volume: minimal bbls

Dewatering method used: evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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KCC

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.

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.

Signature: Diane Rebstock

Title: Executive Vice President Date: 1/24/2012

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 1.25.12 - 1.25.14

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NS Date: 2-14-12

Operator Name: Younger Energy Company Lease Name: Cudney R Well #: 1
 Sec. 27 Twp. 25 S. R. 16 East West County: Edwards

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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <u>Dual Induction, Compensated Neutron/Density, and Micro</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See attached sheet <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> RECEIVED JAN 25 2012 KCC WICHITA </div>
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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
Surface	14-3/4"	10-3/4"	29#	384'	Class A	380	3% cc 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. _____ Gas Mcf _____ Water Bbls. _____ Gravity _____	CONFIDENTIAL JAN 25 2014 KCC

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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KCC WICHITA

WELL COMPLETION FORM
WELL HISTORY – DESCRIPTION OF WELL & LEASE
ACO-1 Supplemental Information

Younger Energy Company
Cudney R#1
NW SW NE SW Section 27-T25S-R16W
Edwards County, Kansas
API# 15-047-21600-00-00

11-12-11: MIRU. Spud at 8:15 PM. Drilling 14-3/4" surface hole.
11-13-11: Drilled 14-3/4" surface hole to 410'. Ran 9 jts of new 10-3/4" 30# ST&C surface casing. Set at 384' KB. Allied cemented with 300 sacks of Class A Common with 3% CC and 2% gel. Plug down at 11:30 AM on 11-13-11 AM. Cement did not circulate. Ran in with 40' of 1" and topped off with 80 sacks.

DST #1: 4368-4390 (Conglomerate)
Initial Open 15, Initial Shut-in 30, Final Open 45, Final Shut-in 90
1st Open: Strong blow bottom of the bucket in 1 minute
2nd Open: Strong blow bottom of the bucket instantly
Recovered: 100' drilling mud 100%. Gas to surface in 10 minutes into pipe.
IFP: 108-83#, FFP: 62-92#
ISIP: 222#, FSIP: 220#

DST #2: 4400-4420 (Mississippi)
Initial Open 30, Initial Shut-in 45, Final Open 40, Final Shut-in 1
1st Open: Weak blow built to 1 inch in 30 minutes
2nd Open: Very weak blow died off
Recovered: 10' mud 100%
IFP: 37-41#, FFP: 43-48#
ISIP: 77#, FSIP: 48#

DST #3: 4030-4058 (Lansing-Kansas City "Drum") Straddle
Initial Open 30, Initial Shut-in 45, Final Open 45, Final Shut-in 60
1st Open: Fair building blow built to 6 inches in 30 minutes
2nd Open: Fair building blow built to 5 inches in 30 minutes
Recovered: 150' water mud 100%
IFP: 49-73#, FFP: 94-107#
ISIP: 1222#, FSIP: 1221#

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11-21-11: RTD 4511', LTD 4512'. Superior ran Dual Induction Log, Compensated Density / Neutron Log, and Microlog. Ran DST #3.
11-22-11: Finish DST #3. Conditioned hole and LDDP. Allied plugged well with 200 sxs 60/40 pozmix 4% gel, 1st plug 1090' w/50 sxs cement, 2nd plug 310' w/70 sxs cement, 3rd plug 60' w/30 sxs cement, 30 sxs in rat hole and 20 sxs in mouse hole. Rig released at 3:00 PM.

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ACO-1 Supplemental Information

Younger Energy Company
Cudney R#1
NW SW NE SW Section 27-T25S-R16W
Edwards County, Kansas
API# 15-047-21600-00-00

ELECTRIC LOG TOPS

Topeka	3362	-1281
Heebner Shale	3746	-1665
Toronto	3766	-1685
Douglas Shale	3786	-1705
Brown Lime	3887	-1806
Lansing-Kansas City	3902	-1821
Base of Kansas City	4185	-2104
Cherokee Shale	4350	-2269
Cherokee Sand	4358	-2277
Conglomerate	4378	-2297
Mississippi	4400	-2319
Kinderhook Shale	4420	-2339
Kinderhook Sand	4438	-2357
RTD	4511	-2430
LTD	4512	-2431

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KCC



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906

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

RECEIVED
 NOV 28 2011

INVOICE

Invoice Number: 129293
 Invoice Date: Nov 13, 2011
 Page: 1

Bill To:
 Younger Energy Co.
 453 S. Webb RD
 STE #100
 Wichita, KS 67207

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 KCC WICHITA

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Youn	Cudney "R" #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Medicine Lodge	Nov 13, 2011	12/13/11

Quantity	Item	Description	Unit Price	Amount
380.00	MAT	Class A Common	16.25	6,175.00
6.00	MAT	Gel	21.25	127.50
13.00	MAT	Chloride	58.20	756.60
399.00	SER	Handling	2.25	897.75
20.00	SER	Mileage	43.89	877.80
1.00	SER	Surface	1,125.00	1,125.00
104.00	SER	Extra Footage	0.95	98.80
40.00	SER	Heavy Vehicle Mileage	7.00	280.00
1.00	SER	Manifold Head Rental	200.00	200.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	EQP	10 3/4 Baffle	112.00	112.00
1.00	EQP	10 3/4 TRP	112.00	112.00
1.00	EQP	10 3/4 Centralizers	64.00	64.00
1.00	EQP	10 3/4 Basket	478.00	478.00
1.00	CEMENTER	David Felio		
1.00	OPER ASSIST	Robert Yakubovich		
1.00	OPER ASSIST	Thomas Becker		

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1180211
 Cement. 10 3/4" surface csg
 w/300 sty Class A 3% cc + 2% sal.
 Cement cost as per note. Ran in 40'

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

\$ 2292.89

ONLY IF PAID ON OR BEFORE
Dec 8, 2011

Subtotal <i>1" to pped 211) w/ 80 sty. (11-13-11)</i>	11,464.45
Sales Tax	571.23
Total Invoice Amount	12,035.68
Payment/Credit Applied	
TOTAL	12,035.68

2292.89
 9742 79
 Cudney R #1
 copy to DR
 JIB

ALLIED CEMENTING CO., LLC. 037835

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

SERVICE POINT:
Medicine Lodge KS

DATE <i>11-13-11</i>	SEC. <i>27</i>	TWP. <i>25s</i>	RANGE <i>16w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Cudney R</i> WELL # <i>1</i>						COUNTY <i>Edwards</i>	STATE <i>KS</i>
LOCATION <i>Trousdale, KS, 1/4, 1/2, 2 1/4, E/S</i>							
OLD OR NEW (Circle one)							

CONTRACTOR <i>Duke #10</i>	OWNER <i>Younger</i>
TYPE OF JOB <i>Surface</i>	
HOLE SIZE <i>14 1/4</i>	T.D. <i>404</i>
CASING SIZE <i>10 3/4</i>	DEPTH 391 <i>404</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>500#</i>	MINIMUM
MEAS. LINE	SHOE JOINT <i>43.88</i>
CEMENT LEFT IN CSG. <i>44'</i>	
PERFS.	
DISPLACEMENT <i>35% Bbls Fresh #2</i>	

EQUIPMENT	
PUMP TRUCK	CEMENTER <i>D. Felio</i>
# <i>360-265</i>	HELPER <i>D. Felio</i>
BULK TRUCK	
# <i>363-290</i>	DRIVER <i>Robert Rusch</i>
BULK TRUCK	
#	DRIVER <i>Tom Becker</i>
<i>421-252</i>	<i>D. Felio</i>

COMMON	<i>580 sx</i>	@ <i>16.25</i>	<i>6175.00</i>
POZMIX		@	
GEL	<i>6 sx</i>	@ <i>21.25</i>	<i>127.50</i>
CHLORIDE	<i>13 sx</i>	@ <i>58.20</i>	<i>756.60</i>
ASC		@	
HANDLING	<i>.399</i>	@ <i>225</i>	<i>897.75</i>
MILEAGE	<i>11/20/399</i>		<i>877.80</i>
			TOTAL <i>8834.65</i>

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REMARKS:
*Pipe on Btth, Break Cnc, Pump Spacer, Mix 300sx
A 352 cement, Stop Pump, Release Plug, Start
Disp/Fresh #2, Washup on top of Plug
See Steady increase in PST, Slow Rate Pump
Plug, Shutting Cement Did Not Circ, Run in
40' of 1", Pump 80 sx, Cement Did
top off*

SERVICE			
DEPTH OF JOB	<i>404'</i>		
PUMP TRUCK CHARGE	<i>1125.00</i>		
EXTRA FOOTAGE	<i>104</i>	@ <i>.95</i>	<i>98.80</i>
MILEAGE	<i>40</i>	@ <i>7.00</i>	<i>280.00</i>
MANIFOLD	<i>head Rental</i>	@	<i>200.00</i>
	<i>Light Vehicle 40</i>	@ <i>4.00</i>	<i>160.00</i>
			TOTAL <i>1863.80</i>

CHARGE TO: *Younger Energy*

STREET _____

CITY _____ STATE _____ ZIP _____

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JAN 25 2014

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

PRINTED NAME *Scott Edwards*

SIGNATURE *Scott Edwards*

PLUG & FLOAT EQUIPMENT			
1-	<i>Baffle Plate</i>	@	<i>112.00</i>
1-	<i>TRP</i>	@	<i>112.00</i>
1-	<i>Centralizer</i>	@	<i>64.00</i>
1-	<i>Bucket</i>	@	<i>478.00</i>
			TOTAL <i>766.00</i>

SALES TAX (If Any) _____

TOTAL CHARGES *11,464.45*

DISCOUNT *20%* IF PAID IN 30 DAYS

NET 9171.56

ALLIED

OIL & GAS SERVICES, LLC

24 S. Lincoln Street
P.O. Box 31
Russell, KS 67665-2906

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

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DEC 5 2011

INVOICE

Invoice Number: 129416
Invoice Date: Nov 22, 2011
Page: 1

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JAN 25 2012
KCC WICHITA

Bill To:
Younger Energy Co. 453 S. Webb RD STE #100 Wichita, KS 67207

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Youn	Cudney R #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Medicine Lodge	Nov 22, 2011	12/22/11

Quantity	Item	Description	Unit Price	Amount
120.00	MAT	Class A Common	16.25	1,950.00
80.00	MAT	Pozmix	8.50	680.00
7.00	MAT	Gel	21.25	148.75
207.00	SER	Handling	2.25	465.75
20.00	SER	Mileage	22.77	455.40
1.00	SER	Rotary Plug	1,250.00	1,250.00
40.00	SER	Heavy Vehicle Mileage	7.00	280.00
40.00	SER	Light Vehicle Mileage	4.00	160.00
1.00	CEMENTER	David Felio		
1.00	EQUIP OPER	Ron Gilley		
1.00	EQUIP OPER	Harry Piper		

PR
180211
Plugga w/200 sts
60/40 poz, 490 gel
- 50 sts @ 1090'
- 70 sts @ 310'

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

\$1077.98

ONLY IF PAID ON OR BEFORE
Dec 17, 2011

Subtotal - 30 sts @ 60'	5,389.90
Sales Tax - 50 sts in nat. insurance tube.	393.46
Total Invoice Amount (11-22-11)	5,783.36
Payment/Credit Applied	
TOTAL	5,783.36

5783.36
- 1077.98
4705.38

copy to 64
copy to PR
Cudney R
JTB

DP 5

ALLIED CEMENTING CO., LLC. 037842

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

SERVICE POINT: Medicine Lodge KS

DATE <u>11/22/11</u>	SEC. <u>27</u>	TWP. <u>25s</u>	RANGE <u>16w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>11:00AM</u>
LEASE <u>Cuddeback</u> WELL # <u>1</u>			LOCATION <u>Trousdale KS 1/4w, 2N, 1s, 8E</u>		COUNTY <u>Edwards</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Duke #10</u>	OWNER <u>Younger</u>
TYPE OF JOB <u>Rotary Plug</u>	CEMENT
HOLE SIZE <u>7 7/8</u> T.D.	AMOUNT ORDERED <u>200s x 60:40:4 1/2 gal</u>
CASING SIZE <u>10 3/4</u> DEPTH <u>384'</u>	
TUBING SIZE DEPTH	
DRILL PIPE <u>4 1/2</u> DEPTH <u>1090'</u>	
TOOL DEPTH	
PRES. MAX <u>300#</u> MINIMUM <u>-</u>	
MEAS. LINE SHOE JOINT <u>-</u>	
CEMENT LEFT IN CSG: <u>-</u>	
PERFS.	
DISPLACEMENT <u>Fresh #3 & Drilling Mud</u>	

COMMON	<u>120 SACKS "A"</u>	@ <u>16.25</u>	<u>\$1950.00</u>
POZMIX	<u>80 SACKS</u>	@ <u>8.50</u>	<u>680.00</u>
GEL	<u>7 SACKS</u>	@ <u>21.25</u>	<u>148.75</u>
CHLORIDE	@		
ASC	@		
HANDLING	<u>807</u>	@ <u>2.25</u>	<u>465.75</u>
MILEAGE	<u>20 x .11 x 207</u>		<u>455.40</u>
			TOTAL <u>\$3,699.90</u>

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EQUIPMENT

PUMP TRUCK	CEMENTER <u>D. Felci</u>
# <u>471-302</u>	HELPER <u>R. Gilley</u>
BULK TRUCK	
# <u>364</u>	DRIVER <u>E. Piper</u>
BULK TRUCK	
#	DRIVER

REMARKS:

Drill Pipe at 1090; load hole, Pump 8K Bls Fresh #3
Spacer, Mix 50s x 60:40 cement, Disp. w/ 3 Fresh #
Mud, Drill Pipe at 310, Pump Spacer, Mix
70s x cement, Disp. w/ 13 1/4 Bls Fresh, Pipe at
60; Mix 30s x cement, Dil. cts, Plug Ret & Mouse
holes w/ 50s x

CHARGE TO: Younger Energy
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>1090'</u>		
PUMP TRUCK CHARGE			<u>1250-</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>40</u>	@ <u>7.00</u>	<u>280-</u>
MANIFOLD	<u>NA</u>	@	
light vehicle	<u>40</u>	@ <u>4.00</u>	<u>160-</u>
			TOTAL <u>\$1690-</u>

PLUG & FLOAT EQUIPMENT

<u>None</u>	@		
	@		
	@		
	@		
	@		
			TOTAL _____

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

PRINTED NAME _____

SIGNATURE Dan Edwards

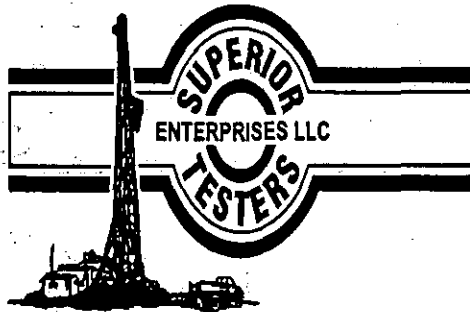
SALES TAX (If Any) _____
TOTAL CHARGES 5389.90
DISCOUNT 20%

net \$4311.92

CONFIDENTIAL
IF PAID IN 30 DAYS
JAN 25 2012

KCC

Thank you!



DRILL STEM TEST REPORT

Prepared For: **Younger Energy**

453 South Webb Road Suite 100 Wichita
Kansas
67207

ATTN: Herb

Cudwey R-1

27-25s-16w-Edwards

Start Date: 2011.11.19 @ 05:53:00

End Date: 2011.11.19 @ 13:10:30

Job Ticket #: 17237 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530

1-800-792-6902

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JAN 25 2012

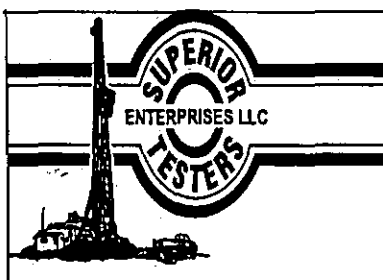
KCC

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FEB 02 2012

KCC WICHITA

Printed: 2011.11.25 @ 15:21:22



DRILL STEM TEST REPORT

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17237

DST#: 1

ATTN: Herb

Test Start: 2011.11.19 @ 05:53:00

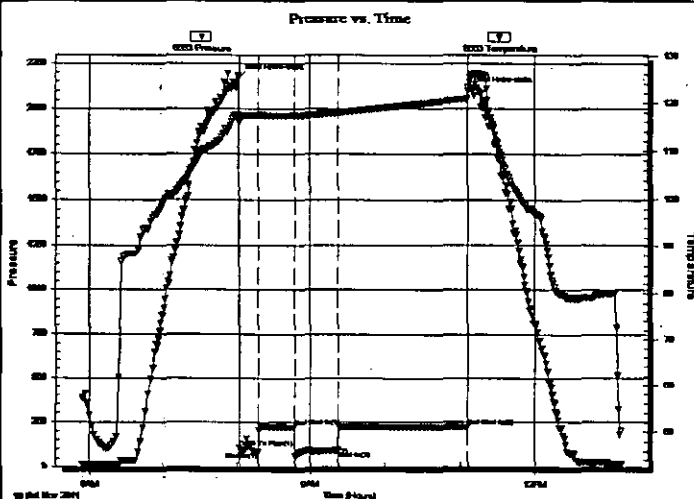
GENERAL INFORMATION:

Formation: Conglomerate
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (initial)
 Time Tool Opened: 08:02:30
 Tester: Dustin Ellis
 Time Test Ended: 13:10:30
 Unit No: 3315-GB-90
 Interval: 4368.00 ft (KB) To 4390.00 ft (KB) (TVD)
 Reference Elevations: 2081.00 ft (KB)
 Total Depth: 4390.00 ft (KB) (TVD)
 2070.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 11.00 ft

Serial #: 6663 Outside
 Press@RunDepth: 92.97 psia @ 4387.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.11.19 End Date: 2011.11.19 Last Calib.: 2011.11.20
 Start Time: 05:54:00 End Time: 13:10:30 Time On Btm: 2011.11.19 @ 08:02:00
 Time Off Btm: 2011.11.19 @ 11:06:30

TEST COMMENT: 1st Open 15 minutes Strong blow bottom of the bucket in 1 minute.
 1st Shutin 30 minutes No blow back.
 2nd Open 45 minutes Strong blow bottom of the bucket instantly.
 2nd Shutin 90 minutes No blow back.

PRESSURE SUMMARY



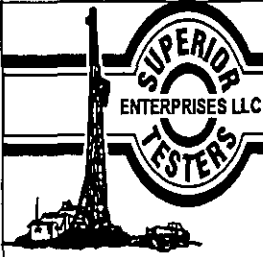
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2165.72	116.91	Initial Hydro-static
1	108.34	115.94	Open To Flow (1)
16	83.99	117.33	Shut-in(1)
45	222.74	117.39	End Shut-in(1)
46	62.55	117.31	Open To Flow (2)
81	92.97	117.91	Shut-in(2)
184	220.63	120.95	End Shut-in(2)
185	2097.91	123.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling mud 100%	1.40

Gas Rates

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



DRILL STEM TEST REPORT

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas 67207

Cudwey R-1

Job Ticket: 17237

DST#: 1

ATTN: Herb

Test Start: 2011.11.19 @ 05:53:00

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:02:30

Time Test Ended: 13:10:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-90

Interval: 4368.00 ft (KB) To 4390.00 ft (KB) (TVD)

Total Depth: 4390.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2081.00 ft (KB)

2070.00 ft (CF)

KB to GRVCF: 11.00 ft

Serial #: 6806

Inside

Press@RunDepth: 239.88 psia @ 4386.00 ft (KB)

Start Date: 2011.11.19

End Date:

2011.11.19

Start Time: 05:54:00

End Time:

13:10:30

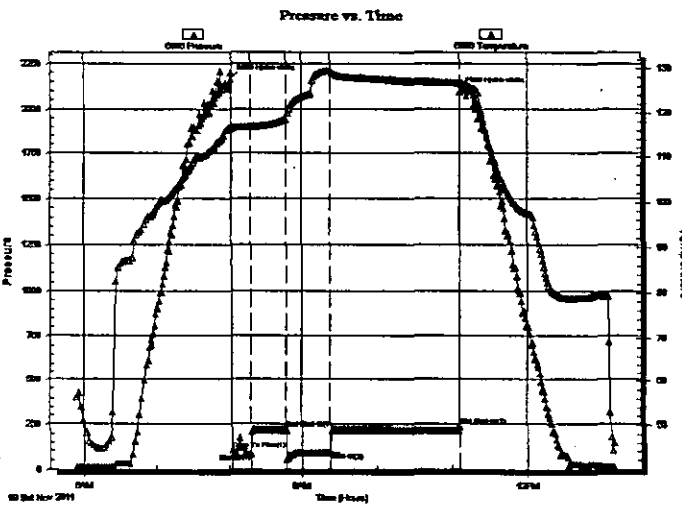
Capacity: 5000.00 psia

Last Calib.: 2011.11.20

Time On Btm: 2011.11.19 @ 08:02:00

Time Off Btm: 2011.11.19 @ 11:06:30

TEST COMMENT: 1st Open 15 minutes Strong blow bottom of the bucket in 1 minute.
1st Shutin 30 minutes No blow back.
2nd Open 45 minutes Strong blow bottom of the bucket instantly.
2nd Shutin 90 minutes No blow back.



PRESSURE SUMMARY

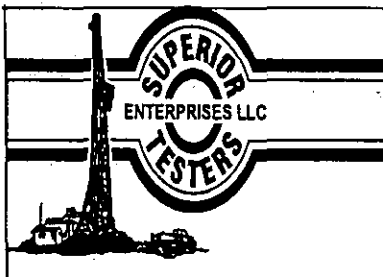
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2163.69	116.52	Initial Hydro-static
1	106.84	116.30	Open To Flow (1)
16	84.13	116.94	Shut-In(1)
45	221.01	118.50	End Shut-In(1)
46	55.64	118.61	Open To Flow (2)
81	92.82	129.53	Shut-In(2)
184	239.88	126.78	End Shut-In(2)
185	2096.14	126.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling mud 100%	1.40

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17237

DST#: 1

ATTN: Herb

Test Start: 2011.11.19 @ 05:53:00

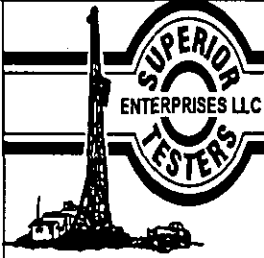
Tool Information

Drill Pipe:	Length: 4362.00 ft	Diameter: 3.80 inches	Volume: 61.19 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:	70000.00 lb
			<u>Total Volume: 61.19 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	4368.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter: 6.25 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			4345.00		
Hydraulic Tool	5.00			4350.00		
Jars	6.00			4356.00		
Safety Joint	2.00			4358.00		
Packer	5.00			4363.00	28.00	Bottom Of Top Packer
Packer	5.00			4368.00		
Perforations	17.00			4385.00		
Recorder	1.00	6806	Inside	4386.00		
Recorder	1.00	6663	Outside	4387.00		
Bull Plug	3.00			4390.00	22.00	Bottom Packers & Anchor
Total Tool Length:	50.00					



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17237

DST#: 1

ATTN: Herb

Test Start: 2011.11.19 @ 05:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 4.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Drilling mud 100%	1.403

Total Length: 100.00 ft

Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

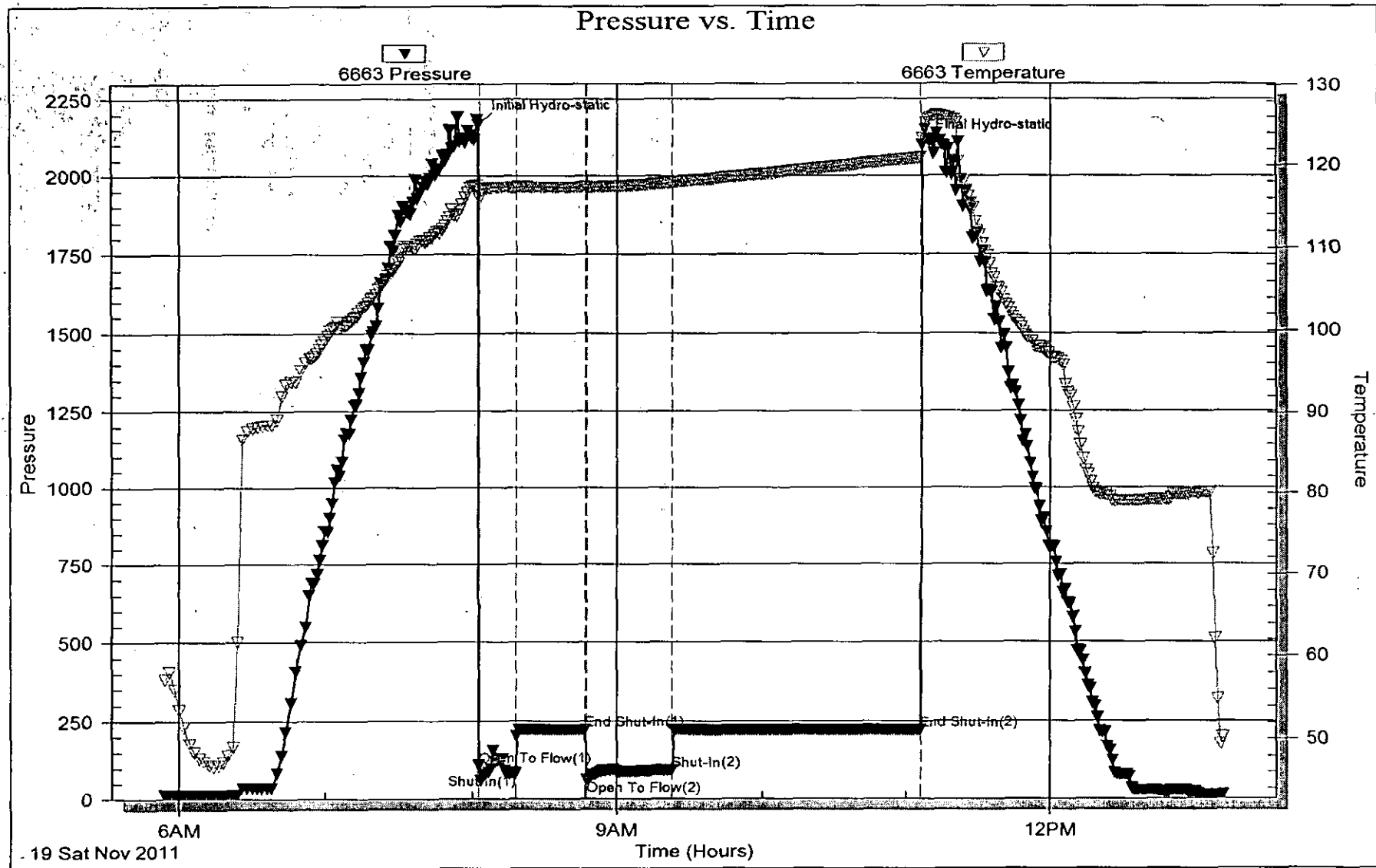
Recovery Comments: Gas to surface in 10 minutes into pipe.

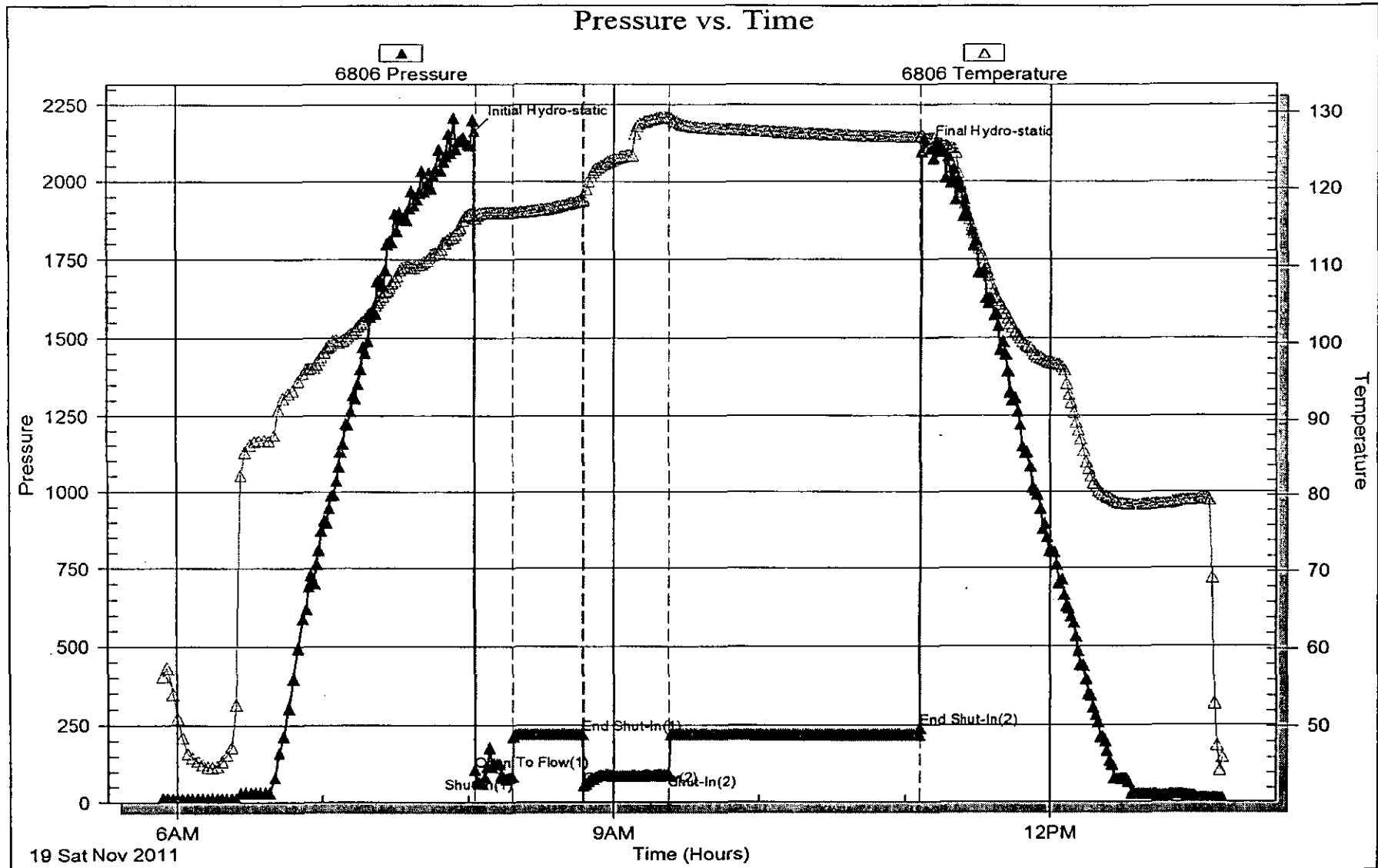
Serial #: 6663

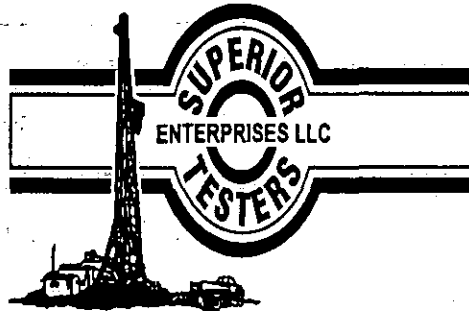
Outside Younger Energy

Cudw ey R-1

DST Test Number: 1







DRILL STEM TEST REPORT

Prepared For: **Younger Energy**

453 South Webb Road Suite100 Wichita
Kansas
67207

ATTN: Herb

Cudwey R-1

27-25s-16w-Edwards

Start Date: 2011.11.20 @ 09:25:00

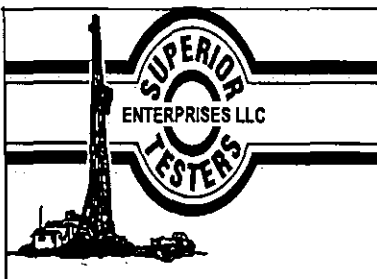
End Date: 2011.11.20 @ 14:59:00

Job Ticket #: 17239 DST #: 2

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

Printed: 2011.11.25 @ 15:21:36

Younger Energy 27-25s-16w-Edwards Cudwey R-1 DST # 2 Mississippi 2011.11.20



DRILL STEM TEST REPORT

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17239

DST#: 2

ATTN: Herb

Test Start: 2011.11.20 @ 09:25:00

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:30

Time Test Ended: 14:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-95

Interval: 4400.00 ft (KB) To 4420.00 ft (KB) (TVD)

Reference Elevations: 2081.00 ft (KB)

Total Depth: 4420.00 ft (KB) (TVD)

2070.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6663

Outside

Press@RunDepth: 41.91 psia @ 4417.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.20

End Date: 2011.11.20

Last Calib.: 2011.11.20

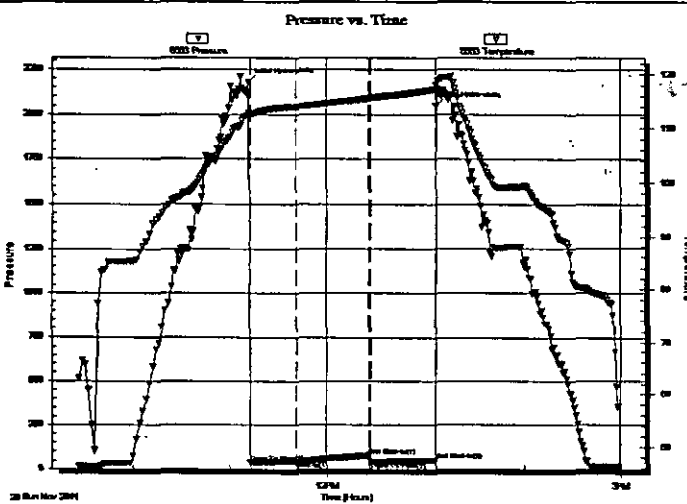
Start Time: 09:26:00

End Time: 14:59:00

Time On Btm: 2011.11.20 @ 11:11:30

Time Off Btm: 2011.11.20 @ 13:06:30

TEST COMMENT: 1st Open 30 minutes Weak blow built to 1 inch in 30 minutes
1st Shut in 45 minutes No blow back
2nd Open 40 minutes Very weak blow died off
2nd Shut in 1 minute No blow back



PRESSURE SUMMARY

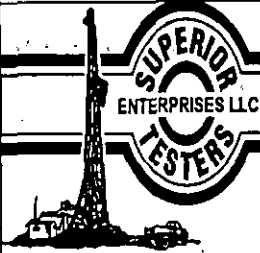
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2177.29	112.77	Initial Hydro-static
1	37.40	112.39	Open To Flow (1)
30	41.91	114.03	Shut-In(1)
74	77.87	115.60	End Shut-In(1)
75	43.27	115.62	Open To Flow (2)
115	48.21	117.20	End Shut-In(2)
115	2045.75	118.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%	0.14

Gas Rates

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



DRILL STEM TEST REPORT

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17239

DST#: 2

ATTN: Herb

Test Start: 2011.11.20 @ 09:25:00

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 11:12:30

Time Test Ended: 14:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-95

Interval: **4400.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Total Depth: **4420.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2081.00 ft (KB)**

2070.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6806**

Inside

Press@RunDepth: **46.23 psia @ 4416.00 ft (KB)**

Start Date: **2011.11.20**

End Date: **2011.11.20**

Start Time: **09:25:23**

End Time: **14:57:23**

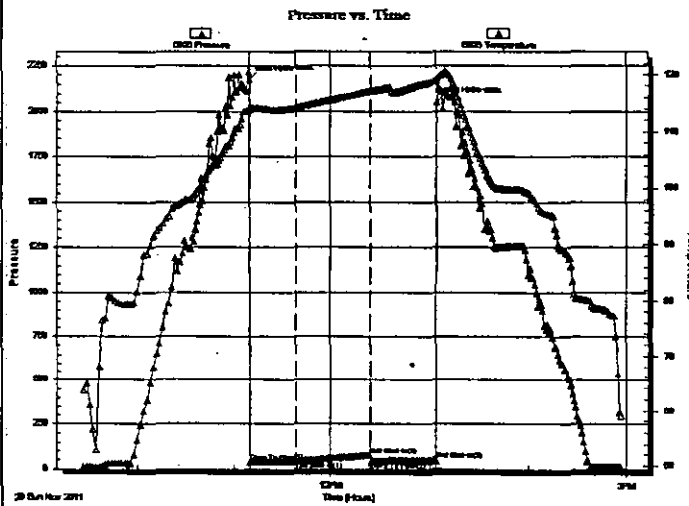
Capacity: **5000.00 psia**

Last Calib.: **2011.11.20**

Time On Btm: **2011.11.20 @ 11:09:23**

Time Off Btm: **2011.11.20 @ 13:04:23**

TEST COMMENT: 1st Open 30 minutes Weak blow built to 1 inch in 30 minutes
1st Shut in 45 minutes No blow back
2nd Open 40 minutes Very weak blow died off
2nd Shut in 1minute No blow back



PRESSURE SUMMARY

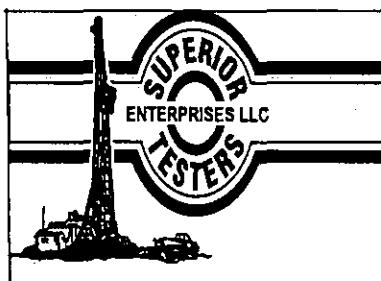
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2177.52	114.29	Initial Hydro-static
1	37.07	113.94	Open To Flow (1)
30	39.95	114.30	End Shut-In(1)
75	75.19	117.09	End Shut-In(2)
75	41.53	117.12	Open To Flow (2)
115	46.23	118.91	End Shut-In(3)
115	2055.91	119.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy
 453 South Webb Road Suite 100 Wichita Kansas
 67207
 ATTN: Herb

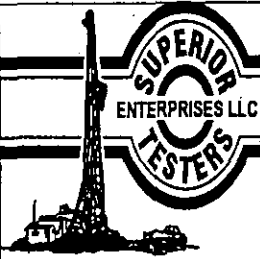
27-25s-16w-Edwards
 Cudwey: R-1
 Job Ticket: 17239 DST#: 2
 Test Start: 2011.11.20 @ 09:25:00

Tool Information

Drill Pipe:	Length: 4394.00 ft	Diameter: 3.80 inches	Volume: 61.64 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: 54000.00 lb
			<u>Total Volume: 61.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4400.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-in Tool	5.00			4377.00	
Hydraulic Tool	5.00			4382.00	
Jars	6.00			4388.00	
Safety Joint	2.00			4390.00	
Packer	5.00			4395.00	28.00 Bottom Of Top Packer
Packer	5.00			4400.00	
Perforations	15.00			4415.00	
Recorder	1.00	6806	Inside	4416.00	
Recorder	1.00	6663	Outside	4417.00	
Bull Plug	3.00			4420.00	20.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17239

DST#: 2

ATTN: Herb

Test Start: 2011.11.20 @ 09:25:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 4.79 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

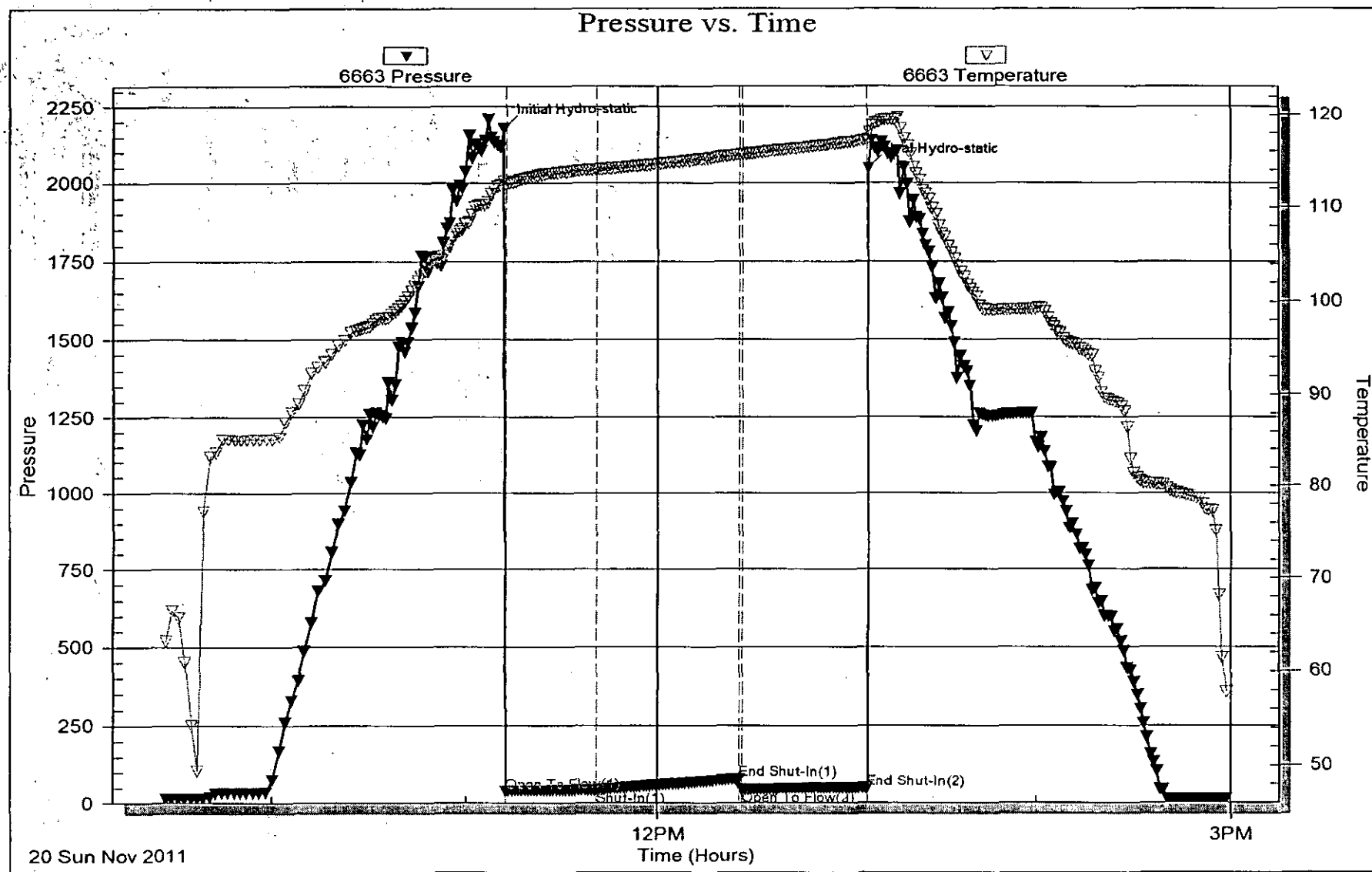
Recovery Comments:

Serial #: 6663

Outside Younger Energy

Cudw ey R-1

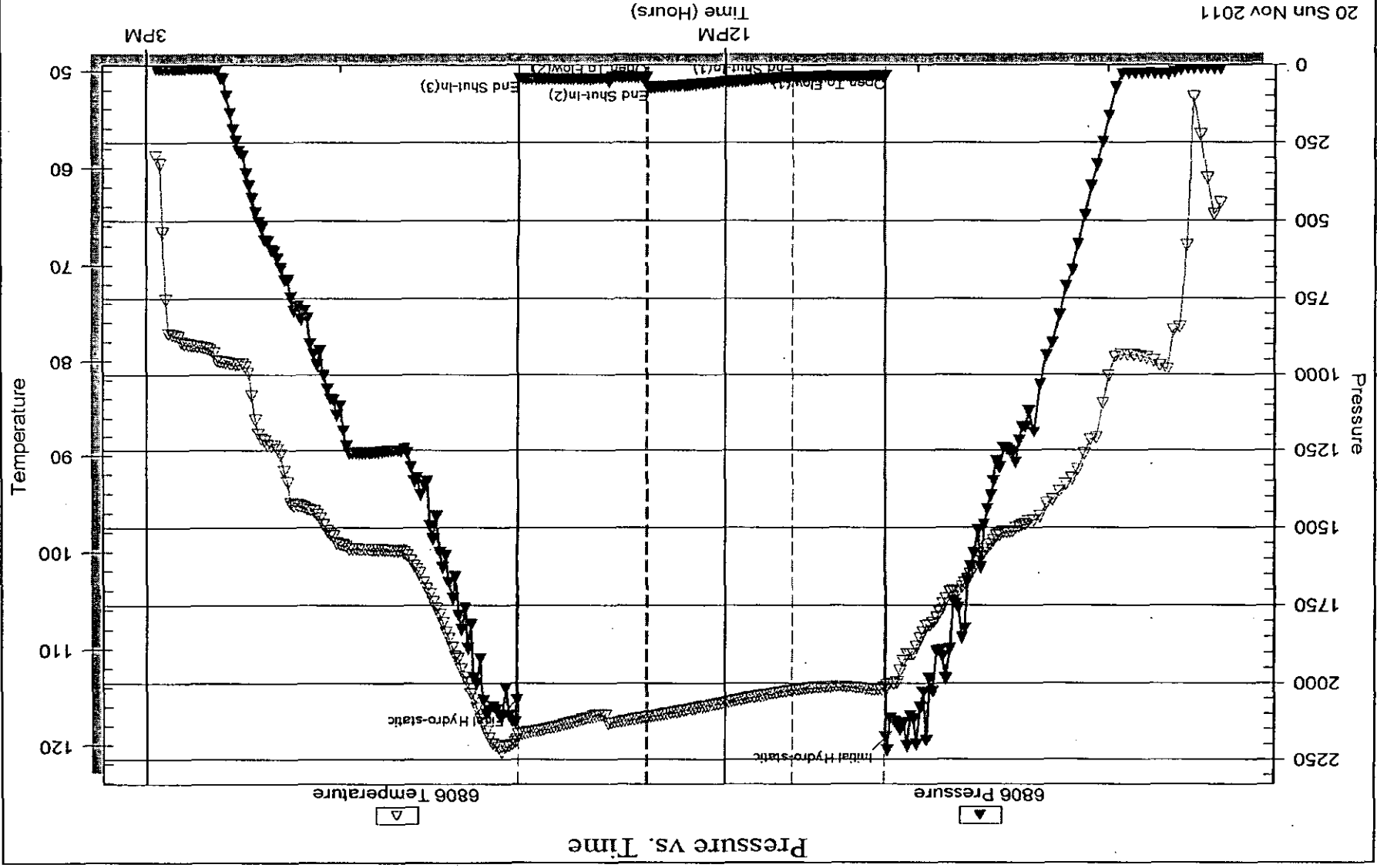
DST Test Number: 2

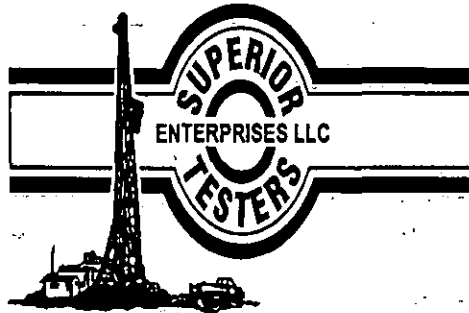


20 Sun Nov 2011

12PM
Time (Hours)

3PM





DRILL STEM TEST REPORT

Prepared For: **Younger Energy**

453 South Webb Road Suite 100 Wichita
Kansas
67207

ATTN: Herb

Cudwey R-1

27-25s-16w-Edwards

Start Date: 2011.11.21 @ 05:22:00

End Date: 2011.11.21 @ 13:26:30

Job Ticket #: 17240 DST #: 3

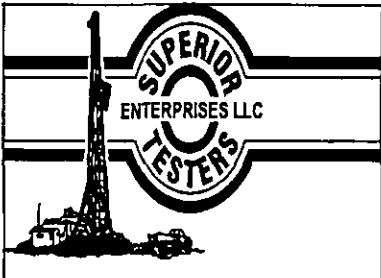
Superior Testers Enterprises LLC

PO Box 138 Great Bend KS 67530

1-800-792-6902

Printed: 2011.11.25 @ 15:21:49

Younger Energy 27-25s-16w-Edwards Cudwey R-1 DST # 3 Drum 2011.11.21



DRILL STEM TEST REPORT

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas 67207

Cudwey R-1

Job Ticket: 17240

DST#: 3

ATTN: Herb

Test Start: 2011.11.21 @ 05:22:00

GENERAL INFORMATION:

Formation: Drum

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:45:30

Time Test Ended: 13:26:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-95

Interval: 4030.00 ft (KB) To 4058.00 ft (KB) (TVD)

Total Depth: 4058.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2081.00 ft (KB)

2070.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6806

Inside

Press@RunDepth: 107.95 psia @ 4021.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.11.21

End Date:

2011.11.21

Last Calib.:

1998.11.22

Start Time: 05:23:00

End Time:

13:26:30

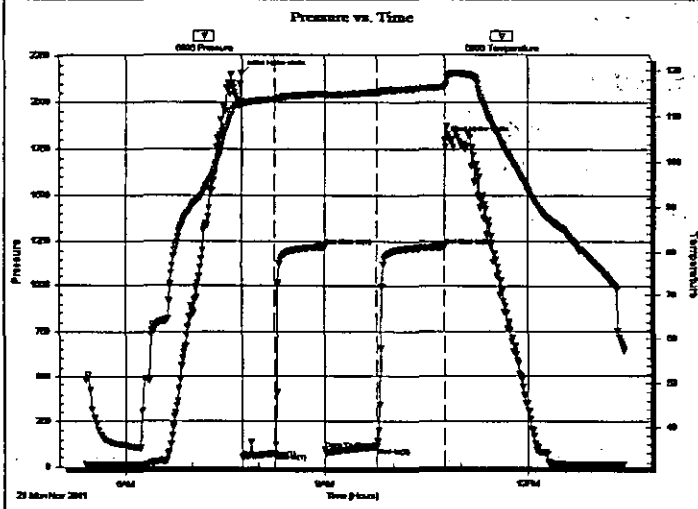
Time On Btm:

2011.11.21 @ 07:44:30

Time Off Btm:

2011.11.21 @ 10:46:00

TEST COMMENT: 1st Open 30 minutes Fair building blow built to 6 inches in 30 minutes
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow built to 5 inches in 30 minutes
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

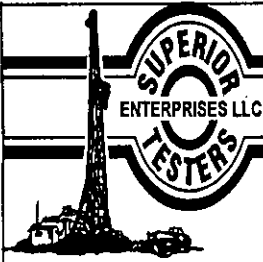
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2152.53	113.18	Initial Hydro-static
1	49.19	112.81	Open To Flow (1)
30	73.42	113.74	Shut-In(1)
75	1222.08	114.87	End Shut-In(1)
76	94.29	114.45	Open To Flow (2)
121	107.95	115.19	Shut-In(2)
181	1221.92	116.34	End Shut-In(2)
182	1799.14	116.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Water mud 100%	2.10

Gas Rates

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



DRILL STEM TEST REPORT

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17240

DST#: 3

ATTN: Herb

Test Start: 2011.11.21 @ 05:22:00

GENERAL INFORMATION:

Formation: Drum

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:45:30

Time Test Ended: 13:26:30

Interval: 4030.00 ft (KB) To 4058.00 ft (KB) (TVD)

Total Depth: 4058.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-GB-95

Reference Elevations: 2081.00 ft (KB)

2070.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6663 Outside

Press@RunDepth: 1223.04 psia @ 4022.00 ft (KB)

Start Date: 2011.11.21

End Date: 2011.11.21

Start Time: 05:23:00

End Time: 13:26:30

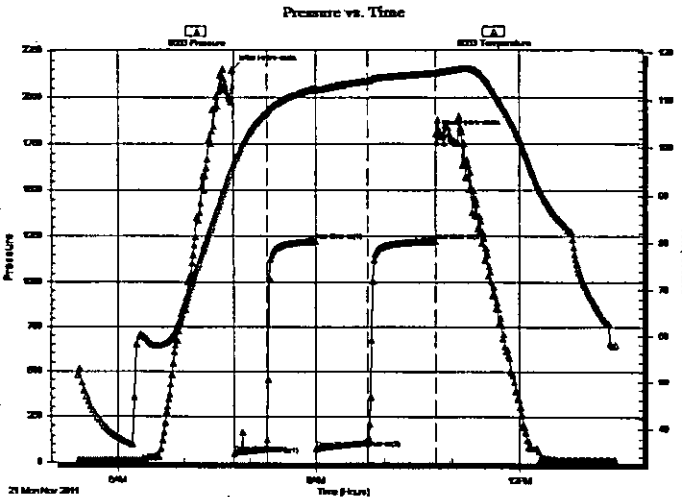
Capacity: 5000.00 psia

Last Calib.: 2011.11.22

Time On Btm: 2011.11.21 @ 07:44:30

Time Off Btm: 2011.11.21 @ 10:46:00

TEST COMMENT: 1st Open 30 minutes Fair building blow built to 6 inches in 30 minutes
1st Shut in 45 minutes No blow back
2nd Open 45 minutes Fair building blow built to 5 inches in 30 minutes
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

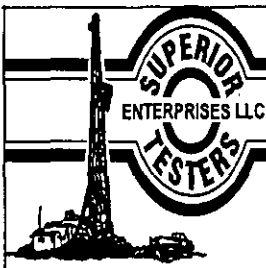
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2152.37	96.44	Initial Hydro-static
1	50.29	96.58	Open To Flow (1)
31	89.78	107.54	Shut-In(1)
75	1223.18	112.55	End Shut-In(1)
76	80.24	112.21	Open To Flow (2)
122	124.31	114.01	Shut-In(2)
181	1223.04	115.64	End Shut-In(2)
182	1806.10	115.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Water mud 100%	2.10

Gas Rates

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



DRILL STEM TEST REPORT

Younger Energy
 453 South Webb Road Suite 100 Wichita Kansas
 67207
 ATTN: Herb

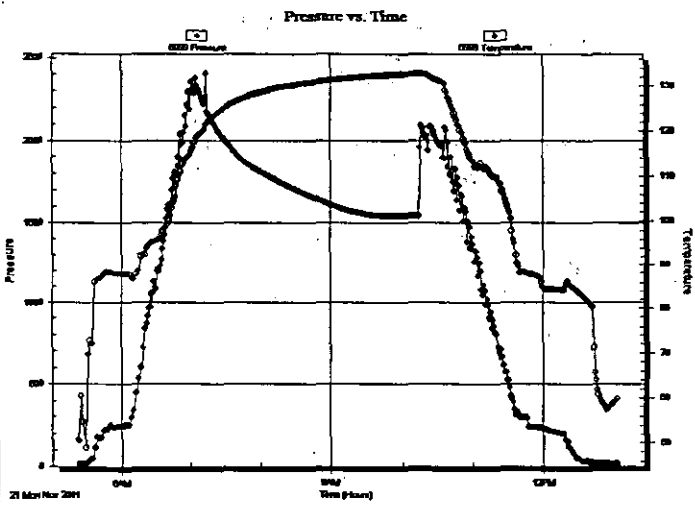
27-25s-16w-Edwards
Cudwey R-1
 Job Ticket: 17240 DST#: 3
 Test Start: 2011.11.21 @ 05:22:00

GENERAL INFORMATION:

Formation: **Drum**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: 07:45:30 Tester: **Dustin Ellis**
 Time Test Ended: 13:26:30 Unit No: **3315-GB-95**
 Interval: **4030.00 ft (KB) To 4058.00 ft (KB) (TVD)** Reference Elevations: **2081.00 ft (KB)**
 Total Depth: **4058.00 ft (KB) (TVD)** **2070.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **11.00 ft**

Serial #: **6999** **Outside**
 Press@RunDepth: psia @ **4479.85 ft (KB)** Capacity: **5000.00 psia**
 Start Date: **2011.11.21** End Date: **2011.11.21** Last Calib.: **2011.11.22**
 Start Time: **05:23:00** End Time: **13:03:30** Time On Btm: **Time Off Btm:**

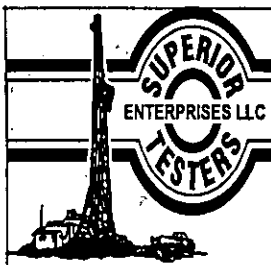
TEST COMMENT: 1st Open 30 minutes Fair building blow built to 6 inches in 30 minutes
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow built to 5 inches in 30 minutes
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
150.00	Water mud 100%	2.10

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17240

DST#: 3

ATTN: Herb

Test Start: 2011.11.21 @ 05:22:00

Tool Information

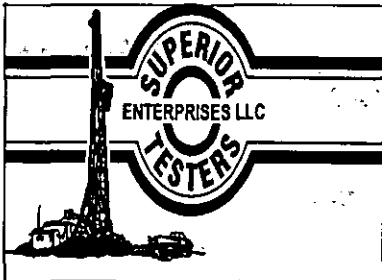
Drill Pipe:	Length: 3993.00 ft	Diameter: 3.80 inches	Volume: 56.01 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 56.01 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4030.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	452.85 ft			
Tool Length:	507.85 ft			
Number of Packers:	2	Diameter:	6.75 inches	

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3980.00	
Hydrolic Tool	5.00			3985.00	
Jars	6.00			3991.00	
Safety Joint	2.00			3993.00	
Top Packer	5.00			3998.00	
Bottom Packer	5.00			4003.00	
Anchor	17.00			4020.00	
Recorder	1.00	6806	Inside	4021.00	
Recorder	1.00	6663	Outside	4022.00	
Blank Off Sub	3.00			4025.00	
Packer	5.00			4030.00	55.00 Bottom Of Top Packer
Anchor	5.00			4035.00	
C.O. Sub	0.75			4035.75	
Drill Pipe	434.35			4470.10	
C.O. Sub	0.75			4470.85	
Anchor	8.00			4478.85	
Recorder	1.00	6999	Outside	4479.85	
Bull Plug	3.00			4482.85	452.85 Anchor Tool

Total Tool Length: 507.85



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy

27-25s-16w-Edwards

453 South Webb Road Suite 100 Wichita Kansas
67207

Cudwey R-1

Job Ticket: 17240

DST#: 3

ATTN: Herb

Test Start: 2011.11.21 @ 05:22:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API:
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Water mud 100%	2.104

Total Length: 150.00 ft Total Volume: 2.104 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

