

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1155187

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW □ 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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY								
Confidentiality Requested								
Date:								
Confidential Release Date:								
Wireline Log Received								
Geologist Report Received								
UIC Distribution								
ALT I III Approved by: Date:								

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to	ng and shut-in pressu surface test, along w	ires, whe ith final c	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	atic pressures, ed.	bottom hole temp	erature, fluid recovery,
Final Radioactivity Log, files must be submitted						igs must be em	alled to kcc-wei	i-iogs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional Sh	neets)	Ye	es No		L		on (Top), Depth		Sample
Samples Sent to Geolo	es No		Nam	e		Тор	Datum		
Cores Taken Electric Log Run		□ Ye	es No						
List All E. Logs Run:									
		Repo	CASING ort all strings set-c		Ne		tion, etc.		
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTIN	NG / SQL	 EEZE RECORD)		
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks Used Type and Percent Additives					
Perforate Protect Casing Plug Back TD Plug Off Zone									
Plug Oil Zone									
Did you perform a hydraulic Does the volume of the total Was the hydraulic fracturin	al base fluid of the hydra	aulic fractu	uring treatment ex		-	Yes Yes Yes	No (If No,	skip questions 2 ar skip question 3) fill out Page Three	,
Shots Per Foot			RD - Bridge Plug: Each Interval Perf				acture, Shot, Cem Amount and Kind of	ent Squeeze Recor f Material Used)	d Depth
TUBING RECORD:	Size:	Set At:		Packer A	t:	Liner Run:	Yes	No	
Date of First, Resumed P	roduction, SWD or ENF	IR.	Producing Meth	od:	g 🗌	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er E	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION	N OF GAS:		N	IETHOD OF	COMPI F	ETION:		PRODUCTION	ON INTERVAL:
Vented Sold	Used on Lease		Open Hole	Perf.	Dually	Comp. Co	mmingled		
(If vented, Subn			Other (Specify)		(Submit A	9CO-5) (Sul	bmit ACO-4)		

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	Kelly 1-33
Doc ID	1155187

All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity Log
Microresistivity Log
Borehole Compensated Sonic Log
Computer Processed Interpretation
Geologic Report
Mud Log

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	Kelly 1-33
Doc ID	1155187

Tops

Name	Тор	Datum			
Queen Hill	3280	-1295			
Heebner	3386	-1401			
Douglas	3419	-1434			
Brown Lime	3495	-1510			
Lansing	3504	-1519			
Base KC	3735	-1750			
Conglomerate Chert	3808	-1823			
Viola	3855	-1870			
Simpson	3882	-1897			
Simpson Sand	3918	-1933			
Arbuckle	3923	-1938			

OPERATOR

Younger Energy Company Company: 9415 E. Harry Address: Suite 403, Bldg. 400

Wichita, KS 67207 Contact Geologist:

Contact Phone Nbr: 316-681-2542 Well Name: Kelly #1-33

Sec. 33 - T21S - R15W Location: API: 15-145-21718-0000 Pool: Field: Wildcat Kansas State: Country: USA

Scale 1:240 Imperial

Well Name: Kelly #1-33

Surface Location: Sec. 33 - T21S - R15W **Bottom Location:**

API: 15-145-21718-0000

License Number: 30705

Spud Date: 6/15/2013 Time: 00:00 Region: Pawnee County **Drilling Completed:** Time: 15:15 6/22/2013

Surface Coordinates: 2310' FSL & 330' FEL

Bottom Hole Coordinates:

Ground Elevation: 1973.00ft K.B. Elevation: 1985.00ft

3200.00ft Logged Interval: Total Depth: 4010.00ft Formation: Arbuckle

Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

To:

4010.00ft

Vertical Well Type: Latitude: Longitude:

2310' FSL N/S Co-ord: E/W Co-ord: 330' FEL

LOGGED BY

Keith Reavis

Consulting Geologist

Company: Keith Reavis, Inc. Address: 3420 22nd Street Great Bend, KS 67530

620-617-4091

Logged By: KLG #136 Name: Keith Reavis

CONTRACTOR

Contractor: **Duke Drilling Company** Rig #:

Rig Type: mud rotary Spud Date: 6/15/2013

DRILLING WELL

Phone Nbr:

Time: 00:00 TD Date: 6/22/2013 Time: 15:15 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1985.00ft **Ground Elevation:** 1973.00ft K.B. to Ground: 12.00ft

NOTES

Due to negative results obtained from drill stem testing, electrical log analysis and formation sample analyses, it was determined that the Kelly #1-33 be plugged and abandoned as a dry test.

A Bloodhound gas detection system operated by Bluestem Environmental was employed on this well. ROP and gas curves were imported into this mudlog. Gamma ray and caliper curves from the electrical log suite were also imported.

The samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted, Keith Reavis

Younger Energy Company well comparison sheet

COMPARISON WELL

Kelly #1-33 2310' FSL ⊊ 330' FEL Sec. 33-218-15W					Pro	od. Inc - NW NE SW Sec. 34-		3-1	F & M - Johnston #1 NE NW NE Sec. 34-218-15W			
	1973 GL 1985 KB				198	2 KB	Structural Relationship		1969 KB		Struct Relati	ural onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample Log		Log	Sub-Sea	a Sample Lo	
Queen Hill	3277	-1292	3280	-1295	3270	-1288	-4	-7	3254	-1285	-7	-10
Heebner	3385	-1400	3386	-1401	3374	-1392	-8	-9	3358	-1389	-11	-12
Douglas	3419	-1434	3419	-1434	3408	-1426	-8	-8	3392	-1423	-11	-11
Brown Lime	3495	-1510	3495	-1510	3484	-1502	-8	-8	3466	-1497	-13	-13
Lansing	3505	-1520	3504	-1519	3493	-1511	-9	-8	3478	-1509	-11	-10
Lansing H	3632	-1647	3630	-1645	3623	-1641	-6	-4	3601	-1632	-15	-13
Base KC	3736	-1751	3735	-1750	3728	-1746	-5	-4	3709	-1740	-11	-10
Congl chert	3808	-1823	3808	-1823	?				?			
Viola	3856	-1871	3855	-1870	3840	-1858	-13	-12	3806	-1837	-34	-33
Simpson	3883	-1898	3882	-1897	3868	-1886	-12	-11	3840	-1871	-27	-26
Simpson Sand	3920	-1935	3918	-1933	3922	-1940	5	7	3861	-1892	-43	-41
Arbuckle	3924	-1939	3923	-1938	3926	-1944	5	6	np			
Total Depth	4010	-2025	4012	-2027	3957	-1975	-50	-52	3902	-1933	-92	-94

Formation Queen Hill Heebner Douglas Brown Lime ansing ansing H Base KC Congl chert Viola Simpson Simpson Sand Arbuckle

otal Depth

		Struct			
198	0 KB	Relations			
Log	Sub-Sea	Sample	Log		
3270	-1290	-2	-5		
3375	-1395	-5	-6		
3410	-1430	-4	-4		
3486	-1506	-4	-4		
3496	-1516	-4	-3		
3724	-1744	-7	-6		
?					
3832	-1852	-19	-18		
3854	-1874	-24	-23		
3912	-1932	-3	-1		
3918	-1938	-1	0		
3922	-1942	-83	-85		

COMPARISON WELL F & M - M. Shartz B#1

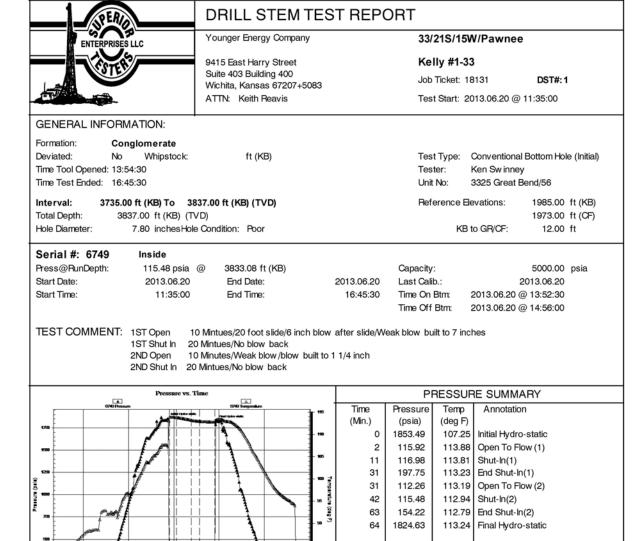
> rotary depth rotary depth

COMPARISON WELL

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
06/19/2013	3152	Geologist Keith Reavis on location @ 1145 hrs, 3300 ft., drilling ahead Topeka, Heebner, Douglas, Lansing
06/20/2013	3800	drilling to Base KC, short trip at 3740 ft., resume drilling, Marmaton, Conglomerate chert/sand, show and gas kick warrant test, TOH for DST #1 conduct and complete DST #1, successful test, TIH w/bit, resume drilling
06/21/2013	3881	show and kick in lower chert (Viola?) warrants test, TOH for DST #2, conducting DST #2, plugged tool, TIH, recondition, spot pill, TOH and back in with tools, conduct and complete DST #3, successful test, TIH w/bit resume drilling
06/22/2013	3935	basal Simpson sand and Arbuckle had show and kick warranting test, conducting DST #4, tool plugged, TIH w/bit, rathole ahead for TD, TD 4010 ft, 1515 hrs, ctch, spot pill on bottom, TOH for logs, conduct logging operations, geologist released midnight

Drill Stem Test #1



Gas Rates Description Volume (bbl) Choke (inches) Pressure (psia) 70.00 Mud 100% 0.98

Ref. No: 18131

Superior Testers Enterprises LLC

Printed: 2013.06.20 @ 17:04:15

Gas Rate (Mct/d)

Drill Stem Test #2 - Misrun Plugged Tool



DRILL STEM TEST REPORT

Younger Energy Company

ft (KB)

33/21S/15W/Pawnee

9415 East Harry Street Kelly #1-33

Suite 403 Building 400 Job Ticket: 18132 DST#: 2 Wichita, Kansas 67207+5083 ATTN: Keith Reavis Test Start: 2013.06.21 @ 04:01:00

GENERAL INFORMATION:

Viola Whipstock: Deviated: No

Time Tool Opened: 06:01:30 Time Test Ended: 09:04:00

3853.00 ft (KB) To 3881.00 ft (KB) (TVD) 3881.00 ft (KB) (TVD) Total Depth: Hole Diameter:

7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney

Unit No: 3325 Great Bend/56

Reference ⊟evations: 1985.00 ft (KB) 1973.00 ft (OF) KB to GR/CF: 12.00 ft

Gas Rate (Mct/d)

Serial #: 6749

Press@RunDepth: 936.73 psia @ 3877.00 ft (KB) 5000.00 psia Capacity: Start Date: 2013.06.21 End Date: 2013.06.21 Last Calib.: 2013.06.21 Start Time: 04:01:00 End Time: 09:04:00 Time On Btm: 2013.06.21 @ 06:01:00 Time Off Btm: 2013.06.21 @ 07:30:00

10 Mintues/13 foot slide/Blow at 5 3/4 inch after slide/Weak build to 6 1/4 inch TEST COMMENT: 1ST Open

1ST Shut In 30 Mintues/No blow back 15 Mintues/Dead no blow/Flush tool didnt help

2ND Open 2ND Shut In 30 Mintues/No blow back

1		Pressure v		PRESSURE SUMMARY						
	759 759 759 759 759 759 759 759 759 759	CAP Process Sept 1 to 1	The second secon	- 18 - 18 - 18 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	Temperature (deg F)	Time (Min.) 0 1 10 41 42 56 87 89	Pressure (psia) 1893.65 658.52 1656.37 1640.36 1681.18 936.73 1495.13 1861.02	(deg F) 109.71 110.03 114.53 113.97 113.98 113.79 114.16 114.48	Initial I- Open Shut-In End SI Open Shut-In End SI	hut-In(1) To Flow (2) n(2) hut-In(2) hydro-static
	L # //		у	V-1 (11)						
	Length (ft) Description Volume (bbl)					Choke (inches) Pressure (psia)				

L					1				
Ī		Recovery		Gas Rates					
l	Length (ft)	Description	Volume (bbl)				Choke (inch	es) Pressure (psia)	Gas F
l	75.00	Mud 100%	1.05					•	
l									
l				\Box					
l									
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l									
L	<u> </u>		<u>'</u>						
	Superior Te	esters Enterprises LLC			Printed: 20	013.06.21 @ 09:1	7:55		

Drill Stem Test #3



DRILL STEM TEST REPORT

Younger Energy Company 33/21S/15W/Pawnee

Kelly #1-33 9415 East Harry Street Suite 403 Building 400 Job Ticket: 18133 Wichita, Kansas 67207+5083 ATTN: Keith Reavis Test Start: 2013.06.21 @ 14:04:00

GENERAL INFORMATION:

Time Test Ended: 19:39:30

Formation: Viola Whipstock: Deviated: ft (KB) Time Tool Opened: 15:56:30

3849.00 ft (KB) To 3881.00 ft (KB) (TVD) Interval:

3881.00 ft (KB) (TVD) Total Depth: Hole Diameter: 7.80 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial) Tester: Ken Swinney

DST#: 3

12.00 ft

Unit No: 3325 Great Bend/56 1985.00 ft (KB) Reference Elevations: 1973.00 ft (OF)

Printed: 2013.06.21 @ 19:49:28

33/21S/15W/Pawnee

Ken Swinney

DST#:4

5000.00 psia

2013.06.22

2013.06.22 @ 06:53:30

2013.06.22 @ 08:17:00

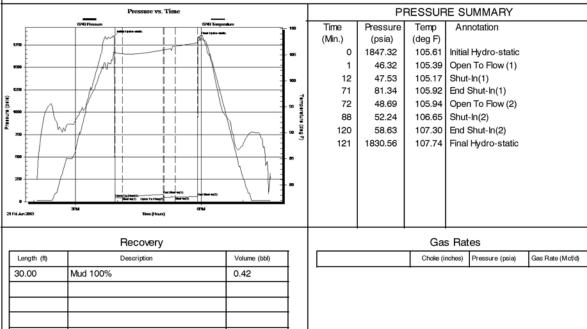
KB to GR/CF:

Serial #: 6749 Inside 52.24 psia @ 3872.00 ft (KB)

Press@RunDepth: Capacity: 5000.00 psia Start Date: 2013.06.21 2013.06.21 2013.06.21 End Date: Last Calib.: Time On Btm: 2013.06.21 @ 15:55:30 Time Off Btm: 2013.06.21 @ 17:56:00 Start Time: 14:04:00 End Time: 19:39:30

TEST COMMENT: 1ST Open 10 Minutes/Weak blow/Blow built to 1 inch 1ST Shut In 60 Minutes/No blow back

2ND Open 17 Mintues/Dead no blow /Flush tool didnt help 2ND Shut In 30 Minutes/No blow back



Ref. No: 18133

Drill Stem Test #4 - Misrun Plugged Tool



Time Tool Opened: 06:56:30

Time Test Ended: 10:00:00

Press@RunDepth:

Start Date:

Start Time:

Superior Testers Enterprises LLC

Younger Energy Company

DRILL STEM TEST REPORT

9415 East Harry Street Kelly #1-33 Suite 403 Building 400 Job Ticket: 18134 Wichita, Kansas 67207+5083

2013.06.22

10:00:00

(Min.)

ATTN: Keith Reavis Test Start: 2013.06.22 @ 04:39:00 Simpson/Arbuckle Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) No

3935.00 ft (KB) (TVD) Total Depth: Hole Diameter: 7.80 inches Hole Condition: Poor Serial #: 6749 Inside

1344.09 psia @

04:39:00

2013.06.22

Unit No: 3325 Great Bend/56 1985.00 ft (KB) 3875.00 ft (KB) To 3935.00 ft (KB) (TVD) Reference Elevations: 1973.00 ft (OF) KB to GR/CF: 12.00 ft

Capacity:

(psia)

Last Calib.:

Time On Btm:

Time Off Btm:

(deg F)

Tester:

TEST COMMENT: 1ST Open 10 Minutes/12 foot slide/blow at 7 inches after slide/Surging blow built to 9 1/2 inches 1ST Shut In 30 Minutes/No blow back

17 Minutes/Few bubbles at open/Flush tool/Weak surface blow for 1 minute 2ND Open 2ND Shut In 20 Mintues/No blow back

PRESSURE SUMMARY Time Pressure I Temp Annotation

3931.30 ft (KB)

End Date:

End Time:

799 799 799 799 799 799 799 799 799 799	ONA THE DEALS	190 190 190 190 190 190 190 190 190 190	0 3 13 42 43 59 80 84	1875.15 763.96 1371.97 1338.85 1140.52 1344.09 1771.85 1853.89	112.16 C 115.88 S 115.41 E 115.45 C 115.44 S 115.63 E	nitial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	
	Recovery				Gas	Rates	
Length (ft)	Description	Volume (bbl)			Choke (inch	hes) Pressure (psia)	Gas Rate (Mcf/d)
105.00	Mud 100%	1.47					

Ref. No: 18134 Printed: 2013.06.22 @ 10:12:52

shale, grn

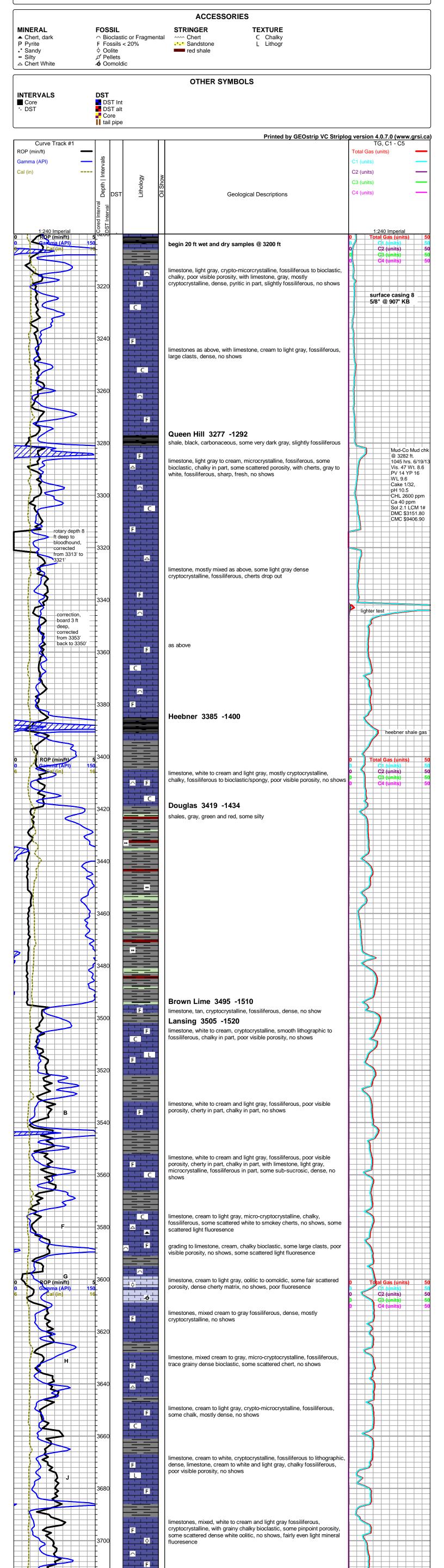
Superior Testers Enterprises LLC

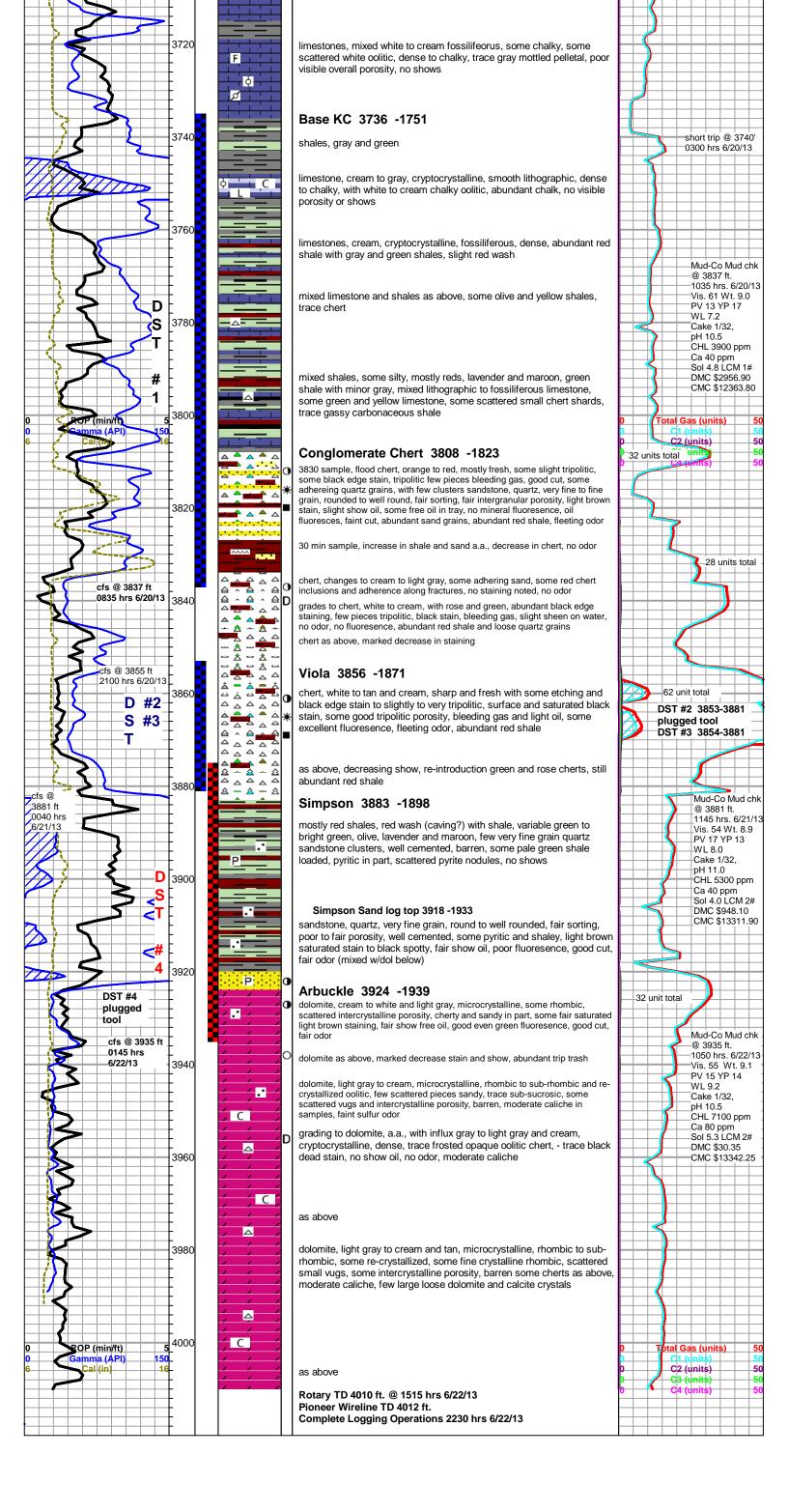


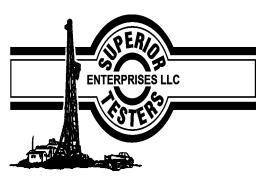


shale, red









Prepared For: Younger Energy Company

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

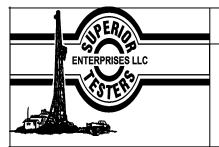
ATTN: Keith Reavis

Kelly #1-33

33/21S/15W/Pawnee

Start Date: 2013.06.20 @ 11:35:00 End Date: 2013.06.20 @ 16:45:30 Job Ticket #: 18131 DST #: 1

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



Younger Energy Company

9415 East Harry Street Kelly #1-33

Suite 403 Building 400 Wichita, Kansas 67207+5083

ATTN: Keith Reavis

Relly #1-33

33/21S/15W/Pawnee

Job Ticket: 18131 **DST#:1**

Test Start: 2013.06.20 @ 11:35:00

GENERAL INFORMATION:

Formation: Conglomerate

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:54:30 Time Test Ended: 16:45:30

Interval: 3735.00 ft (KB) To 3837.00 ft (KB) (TVD)

Total Depth: 3837.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney

Unit No: 3325 Great Bend/56

Reference Elevations: 1985.00 ft (KB)

1973.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6749 Inside

Press@RunDepth: 115.48 psia @ 3833.08 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.06.20
 End Date:
 2013.06.20
 Last Calib.:
 2013.06.20

 Start Time:
 11:35:00
 End Time:
 16:45:30
 Time On Btm:
 2013.06.20 @ 13:52:30

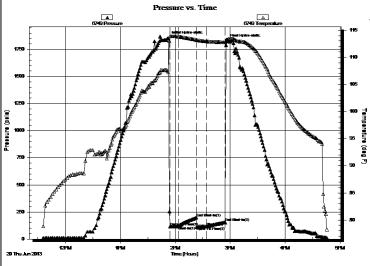
 Time Off Btm:
 2013.06.20 @ 14:56:00

TEST COMMENT: 1ST Open 10 Mintues/20 foot slide/6 inch blow after slide/Weak blow built to 7 inches

1ST Shut In 20 Mintues/No blow back

2ND Open 10 Minutes/Weak blow/blow built to 1 1/4 inch

2ND Shut In 20 Mintues/No blow back



	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1853.49	107.25	Initial Hydro-static
	2	115.92	113.88	Open To Flow (1)
	11	116.98	113.81	Shut-In(1)
	31	197.75	113.23	End Shut-In(1)
	31	112.26	113.19	Open To Flow (2)
	42	115.48	112.94	Shut-In(2)
,	63	154.22	112.79	End Shut-In(2)
,	64	1824.63	113.24	Final Hydro-static

PRESSURE SUMMARY

Recovery

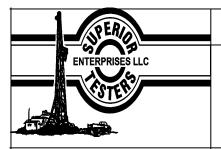
Description	Volume (bbl)
Mud 100%	0.98

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

Superior Testers Enterprises LLC

Ref. No: 18131

Printed: 2013.06.20 @ 17:04:15



Younger Energy Company

9415 East Harry Street Kelly #1-33

Suite 403 Building 400 Wichita, Kansas 67207+5083

ATTN: Keith Reavis

33/21S/15W/Pawnee

Job Ticket: 18131 DST#: 1

Test Start: 2013.06.20 @ 11:35:00

GENERAL INFORMATION:

Conglomerate Formation:

Deviated: Whipstock: ft (KB)

Time Tool Opened: 13:54:30 Time Test Ended: 16:45:30

3735.00 ft (KB) To 3837.00 ft (KB) (TVD) Interval:

Total Depth: 3837.00 ft (KB) (TVD)

7.80 inches Hole Condition: Poor Hole Diameter:

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney Unit No:

3325 Great Bend/56

Reference Elevations: 1985.00 ft (KB)

1973.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6838 Outside

Press@RunDepth: 5000.00 psia 273.18 psia @ 3834.08 ft (KB) Capacity:

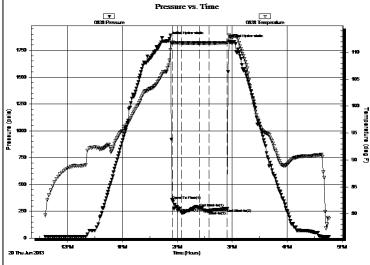
Start Date: 2013.06.20 End Date: 2013.06.20 Last Calib.: 2013.06.20 Start Time: 11:35:00 End Time: 16:46:00 Time On Btm: 2013.06.20 @ 13:51:30 Time Off Btm: 2013.06.20 @ 14:57:00

TEST COMMENT: 1ST Open 10 Mintues/20 foot slide/6 inch blow after slide/Weak blow built to 7 inches

1ST Shut In 20 Mintues/No blow back

2ND Open 10 Minutes/Weak blow/blow built to 1 1/4 inch

2ND Shut In 20 Mintues/No blow back



		PI	KESSUR	E SUIVIIVIARY
	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1856.81	108.47	Initial Hydro-static
	4	351.94	111.81	Open To Flow (1)
	13	236.87	111.72	Shut-In(1)
,	33	282.59	111.73	End Shut-In(1)
3	33	284.29	111.73	Open To Flow (2)
	43	249.39	111.72	Shut-In(2)
•	63	273.18	111.78	End Shut-In(2)
9	66	1830.24	112.93	Final Hydro-static

DRESSLIRE SLIMMARY

Recovery

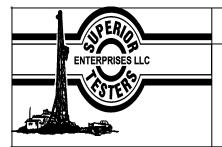
Description	Volume (bbl)
Mud 100%	0.98

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

Superior Testers Enterprises LLC

Ref. No: 18131

Printed: 2013.06.20 @ 17:04:15



TOOL DIAGRAM

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083 **Kelly #1-33**Job Ticket: 18131

DST#: 1

ATTN: Keith Reavis

Test Start: 2013.06.20 @ 11:35:00

Tool Information

Drill Pipe: Length: 3718.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 0.00 ft Diameter:

 18.00 ft
 Diameter:
 3.80 inches Volume:
 52.15 bbl

 0.00 ft
 Diameter:
 0.00 inches Volume:
 0.00 bbl

 0.00 ft
 Diameter:
 0.00 inches Volume:
 0.00 bbl

Total Volume:

52.15 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 80000.00 lb

Drill Pipe Above KB: 10.00 ft
Depth to Top Packer: 3735.00 ft

Tool Chased 20.00 ft String Weight: Initial 51000.00 lb

Printed: 2013.06.20 @ 17:04:16

Depth to Bottom Packer: ft

Final 51000.00 lb

Interval between Packers: 102.08 ft Tool Length: 129.08 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			3713.00		
Hydrolic Tool	5.00			3718.00		
Jars	5.00			3723.00		
Safety Joint	2.00			3725.00		
Packer	5.00			3730.00	27.00	Bottom Of Top Packer
Packer	5.00			3735.00		
Perforations	6.00			3741.00		
Change Over Sub	0.75			3741.75		
Drill Pipe	61.58			3803.33		
Change Over Sub	0.75			3804.08		
Anchor	28.00			3832.08		
Recorder	1.00	6749	Inside	3833.08		
Recorder	1.00	6838	Outside	3834.08		
Bullnose	3.00			3837.08	102.08	Bottom Packers & Anchor

Ref. No: 18131

Total Tool Length: 129.08



FLUID SUMMARY

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083 **Kelly #1-33**Job Ticket: 18131

DST#:1

ATTN: Keith Reavis

Test Start: 2013.06.20 @ 11:35:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 7.20 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 3900.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100%	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

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

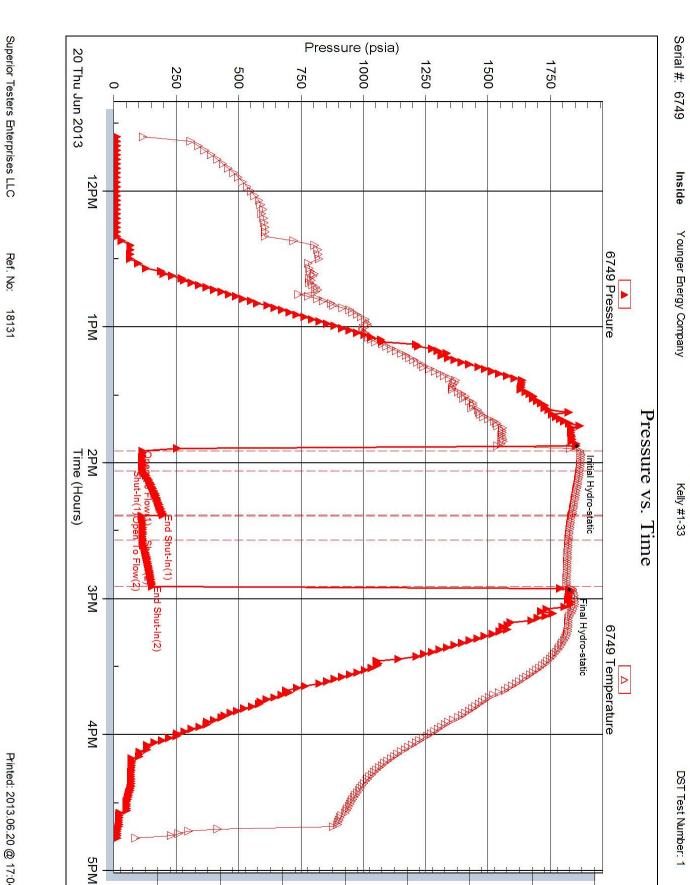
Laboratory Name: Laboratory Location:

Ref. No: 18131

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2013.06.20 @ 17:04:16



Temperature (deg F)

Serial #: 6838

Outside

Younger Energy Company

Pressure vs. Time

Final Hydro-static

110

105

□ ▽ □ 6838 Temperature

Kelly #1-33

DST Test Number: 1

3PM

4PM

5PM

85

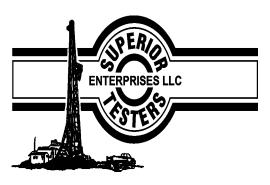
90

95

Temperature (deg F)

100

80



Prepared For: Younger Energy Company

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

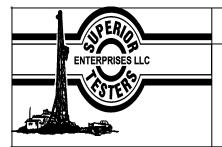
ATTN: Keith Reavis

Kelly #1-33

33/21S/15W/Pawnee

Start Date: 2013.06.21 @ 04:01:00 End Date: 2013.06.21 @ 09:04:00 Job Ticket #: 18132 DST #: 2

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



Younger Energy Company

Kelly #1-33

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18132

DST#: 2

ATTN: Keith Reavis

Test Start: 2013.06.21 @ 04:01:00

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 06:01:30 Tester: Ken Sw inney
Time Test Ended: 09:04:00 Unit No: 3325 Great Bend/56

Interval: 3853.00 ft (KB) To 3881.00 ft (KB) (TVD)

Total Depth: 3881.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1985.00 ft (KB)

1973.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6749 Inside

Press@RunDepth: 936.73 psia @ 3877.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.06.21
 End Date:
 2013.06.21
 Last Calib.:
 2013.06.21

 Start Time:
 04:01:00
 End Time:
 09:04:00
 Time On Btm:
 2013.06.21 @ 06:01:00

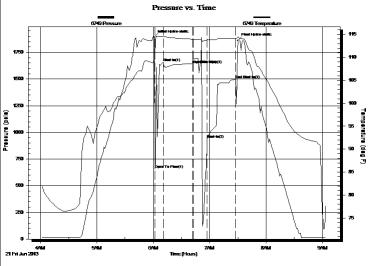
Time Off Btm: 2013.06.21 @ 07:30:00

TEST COMMENT: 1ST Open 10 Mintues/13 foot slide/Blow at 5 3/4 inch after slide/Weak build to 6 1/4 inch

1ST Shut In 30 Mintues/No blow back

2ND Open 15 Mintues/Dead no blow /Flush tool didnt help

2ND Shut In 30 Mintues/No blow back



	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1893.65	109.71	Initial Hydro-static
	1	658.52	110.03	Open To Flow (1)
	10	1656.37	114.53	Shut-In(1)
	41	1640.36	113.97	End Shut-In(1)
	42	1681.18	113.98	Open To Flow (2)
	56	936.73	113.79	Shut-In(2)
à	87	1495.13	114.16	End Shut-In(2)
9	89	1861.02	114.48	Final Hydro-static

PRESSURE SUMMARY

Recovery

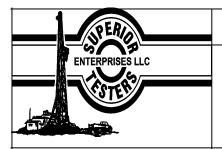
1.05

Gas Rates Choke (inches) | Pressure (psia) | Gas Rate (Mct/d)

Superior Testers Enterprises LLC

Ref. No: 18132

Printed: 2013.06.21 @ 09:17:55



Younger Energy Company

Kelly #1-33

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18132

33/21S/15W/Pawnee

DST#: 2

ATTN: Keith Reavis

Test Start: 2013.06.21 @ 04:01:00

Test Type: Conventional Bottom Hole (Initial)

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:30 Tester: Ken Sw inney
Time Test Ended: 09:04:00 Unit No: 3325 Great Bend/56

Interval: 3853.00 ft (KB) To 3881.00 ft (KB) (TVD) Reference Elevations: 1985.00 ft (KB)

Total Depth: 3881.00 ft (KB) (TVD) 1973.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 6838 Outside

Press@RunDepth: 1495.17 psia @ 3878.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.06.21
 End Date:
 2013.06.21
 Last Calib.:
 2013.06.21

 Start Time:
 04:01:00
 End Time:
 09:04:00
 Time On Btm:
 2013.06.21 @ 06:00:00

Time Off Btm: 2013.06.21 @ 07:30:00

Time

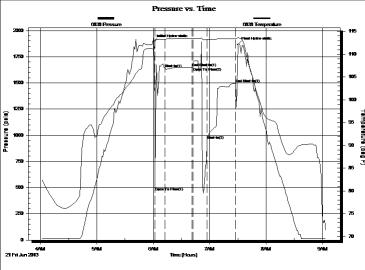
Pressure

TEST COMMENT: 1ST Open 10 Mintues/13 foot slide/Blow at 5 3/4 inch after slide/Weak build to 6 1/4 inch

1ST Shut In 30 Mintues/No blow back

2ND Open 15 Mintues/Dead no blow /Flush tool didnt help

2ND Shut In 30 Mintues/No blow back



	(Min.)	(psia)	(deg F)	
	0	1894.42	111.10	Initial Hydro-static
	2	461.97	112.68	Open To Flow (1)
	13	1641.58	113.33	Shut-In(1)
.	41	1649.02	113.53	End Shut-In(1)
Temperature	42	1648.82	113.53	Open To Flow (2)
etur:	57	954.97	113.23	Shut-In(2)
(d e	88	1495.17	113.42	End Shut-In(2)
J	90	1867.23	113.74	Final Hydro-static

PRESSURE SUMMARY
re Temp Annotation

Recovery

1.05

Gas Rates Choke (inches) | Pressure (psia) | Gas Rate (Mct/d)

Printed: 2013.06.21 @ 09:17:55

Superior Testers Enterprises LLC Ref. No: 18132



TOOL DIAGRAM

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400

Kelly #1-33 Job Ticket: 18132

DST#: 2

Wichita, Kansas 67207+5083 ATTN: Keith Reavis

Test Start: 2013.06.21 @ 04:01:00

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length: Length:

Length: 3845.00 ft Diameter: 0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 53.94 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl

53.94 bbl

Total Volume:

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 80000.00 lb

Drill Pipe Above KB: 19.00 ft Depth to Top Packer: 3853.00 ft Tool Chased 13.00 ft String Weight: Initial 51000.00 lb

Depth to Bottom Packer: ft Interval betw een Packers: 28.00 ft Final 51000.00 lb

Printed: 2013.06.21 @ 09:17:55

55.00 ft Tool Length:

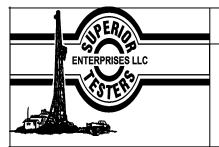
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3831.00		
Hydrolic Tool	5.00			3836.00		
Jars	5.00			3841.00		
Safety Joint	2.00			3843.00		
Packer	5.00			3848.00	27.00	Bottom Of Top Packer
Packer	5.00			3853.00		
Anchor	23.00			3876.00		
Recorder	1.00	6749	Inside	3877.00		
Recorder	1.00	6838	Outside	3878.00		
Bullnose	3.00			3881.00	28.00	Bottom Packers & Anchor

Ref. No: 18132

Total Tool Length: 55.00



FLUID SUMMARY

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18132

Serial #:

Printed: 2013.06.21 @ 09:17:56

Kelly #1-33

DST#: 2

ATTN: Keith Reavis

Test Start: 2013.06.21 @ 04:01:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 7.20 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 3900.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Mud 100%	1.052

Total Length: 75.00 ft Total Volume: 1.052 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Ref. No: 18132

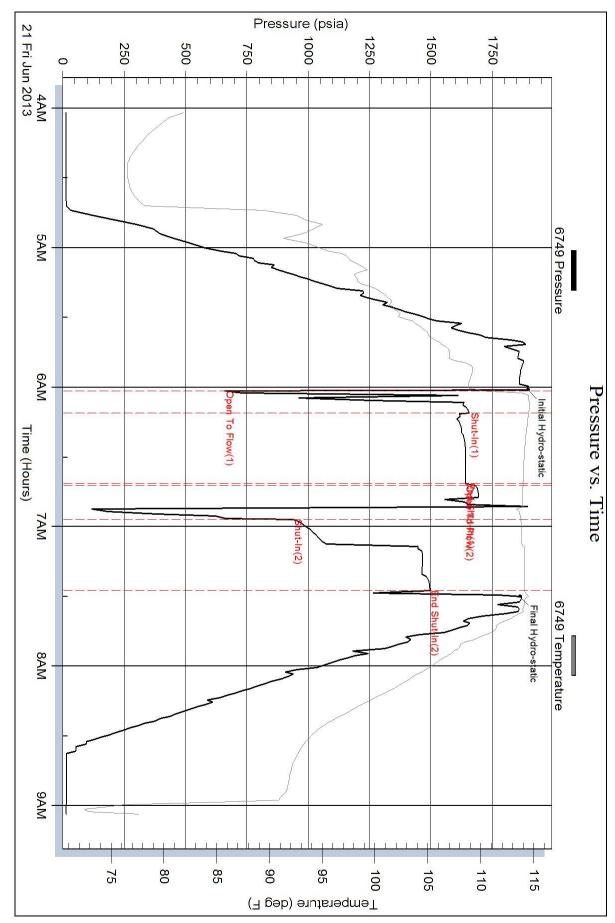
Recovery Comments:

Printed: 2013.06.21 @ 09:17:56

Serial #: 6749

Inside

Kelly #1-33



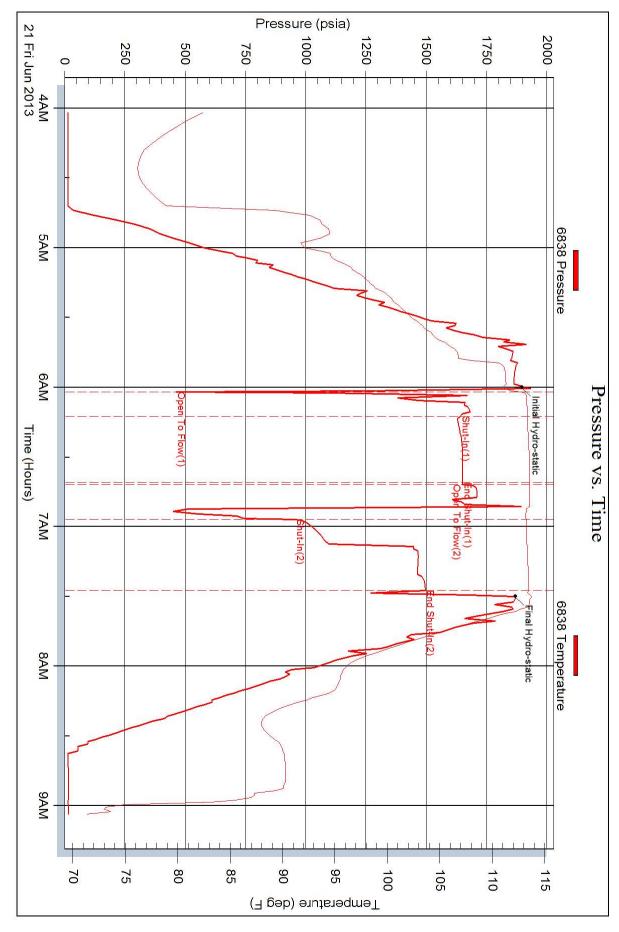
Printed: 2013.06.21 @ 09:17:56

Serial #: 6838

Outside

Younger Energy Company







Prepared For: Younger Energy Company

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

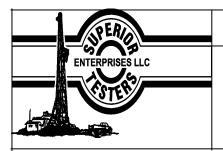
ATTN: Keith Reavis

Kelly #1-33

33/21S/15W/Pawnee

Start Date: 2013.06.21 @ 14:04:00 End Date: 2013.06.21 @ 19:39:30 Job Ticket #: 18133 DST #: 3

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



Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18133

Tester:

Unit No:

Kelly #1-33

DST#: 3

ATTN: Keith Reavis

Test Start: 2013.06.21 @ 14:04:00

GENERAL INFORMATION:

Formation: Viola

Interval:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:56:30 Time Test Ended: 19:39:30

3849.00 ft (KB) To 3881.00 ft (KB) (TVD)

Total Depth: 3881.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial)

3325 Great Bend/56

Ken Sw inney

Reference Elevations: 1985.00 ft (KB)

1973.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6749 Inside

Press@RunDepth: 3872.00 ft (KB) 5000.00 psia 52.24 psia @ Capacity:

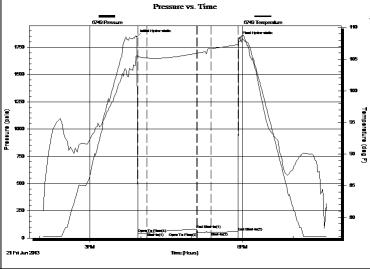
Start Date: 2013.06.21 End Date: 2013.06.21 Last Calib.: 2013.06.21 Start Time: 14:04:00 End Time: 19:39:30 Time On Btm: 2013.06.21 @ 15:55:30 Time Off Btm: 2013.06.21 @ 17:56:00

TEST COMMENT: 1ST Open 10 Minutes/Weak blow/Blow built to 1 inch

1ST Shut In 60 Minutes/No blow back

2ND Open 17 Mintues/Dead no blow/Flush tool didnt help

2ND Shut In 30 Minutes/No blow back



	I KESSOKE SOMMAKI						
Ī	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	0	1847.32	105.61	Initial Hydro-static			
	1	46.32	105.39	Open To Flow (1)			
	12	47.53	105.17	Shut-In(1)			
	71	81.34	105.92	End Shut-In(1)			
Tamparatura (dag	72	48.69	105.94	Open To Flow (2)			
	88	52.24	106.65	Shut-In(2)			
(d	120	58.63	107.30	End Shut-In(2)			
9	121	1830.56	107.74	Final Hydro-static			

Cac Datas

PRESSURE SUMMARY

Recovery

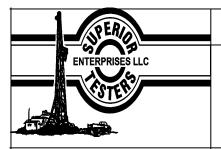
Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.42

Odo Natos					
Chalco (inabaa)	Drocoure (poie)	Coo Roto (Mof/d)			

Superior Testers Enterprises LLC

Ref. No: 18133

Printed: 2013.06.21 @ 19:49:28



Younger Energy Company

Kelly #1-33

Tester:

Unit No:

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18133

33/21S/15W/Pawnee

DST#: 3

ATTN: Keith Reavis

Test Start: 2013.06.21 @ 14:04:00

GENERAL INFORMATION:

Formation: Viola

Interval:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:56:30 Time Test Ended: 19:39:30

3849.00 ft (KB) To 3881.00 ft (KB) (TVD)

Total Depth: 3881.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Ken Sw inney

3325 Great Bend/56

Reference Elevations: 1985.00 ft (KB)

1973.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6838 Outside

Press@RunDepth: 62.21 psia @ 3873.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.06.21
 End Date:
 2013.06.21
 Last Calib.:
 2013.06.21
 2013.06.21

 Start Time:
 14:04:00
 End Time:
 19:40:00
 Time On Btm:
 2013.06.21 @ 17:56:00

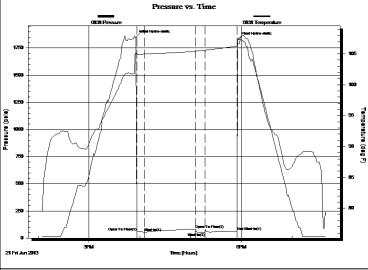
 Time Off Btm:
 2013.06.21 @ 17:56:00

TEST COMMENT: 1ST Open 10 Minutes/Weak blow/Blow built to 1 inch

1ST Shut In 60 Minutes/No blow back

2ND Open 17 Mintues/Dead no blow/Flush tool didnt help

2ND Shut In 30 Minutes/No blow back



	FINESSUINE SUIVIIVIAINT						
1	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	0	1848.04	105.15	Initial Hydro-static			
	1	58.65	104.94	Open To Flow (1)			
	10	53.11	104.99	Shut-In(1)			
.	71	84.14	105.45	Open To Flow (2)			
	82	51.43	105.59	Shut-In(2)			
	120	62.21	106.26	End Shut-In(1)			
	121	1829.65	106.62	Final Hydro-static			
,							

Gas Rates

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.42
		·

Odo Natos						
Choka (inahaa)	Drocoure (poie)	Coo Roto (Mof/d)				

Superior Testers Enterprises LLC

Ref. No: 18133

Printed: 2013.06.21 @ 19:49:28



TOOL DIAGRAM

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400

Job Ticket: 18133

Kelly #1-33

DST#: 3

2000.00 lb

Wichita, Kansas 67207+5083 ATTN: Keith Reavis

Test Start: 2013.06.21 @ 14:04:00

Printed: 2013.06.21 @ 19:49:29

Tool Information

Drill Pipe: Length: 3840.00 ft Diameter: 3.80 inches Volume: 53.87 bbl Tool Weight: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 20000.00 lb Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight to Pull Loose: 90000.00 lb Total Volume: 53.87 bbl Tool Chased

Drill Pipe Above KB: 18.00 ft Depth to Top Packer: 3849.00 ft

1.00 ft String Weight: Initial 51000.00 lb Final 51000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 27.00 ft 54.00 ft Tool Length:

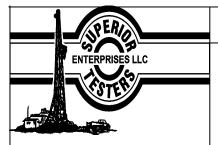
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments: Replaced damaged packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3827.00		
Hydrolic Tool	5.00			3832.00		
Jars	5.00			3837.00		
Safety Joint	2.00			3839.00		
Packer	5.00			3844.00	27.00	Bottom Of Top Packer
Packer	5.00			3849.00		
Anchor	22.00			3871.00		
Recorder	1.00	6749	Inside	3872.00		
Recorder	1.00	6838	Outside	3873.00		
Bullnose	3.00			3876.00	27.00	Bottom Packers & Anchor

Ref. No: 18133

Total Tool Length: 54.00



FLUID SUMMARY

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18133

Kelly #1-33

DST#: 3

ATTN: Keith Reavis

Test Start: 2013.06.21 @ 14:04:00

Printed: 2013.06.21 @ 19:49:29

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API ppm

Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity:

Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psia

Salinity: 5300.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	0.421

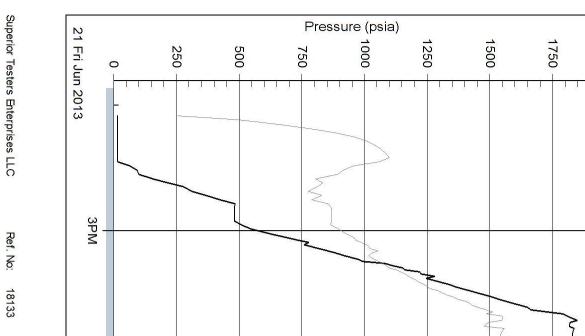
30.00 ft Total Volume: 0.421 bbl Total Length:

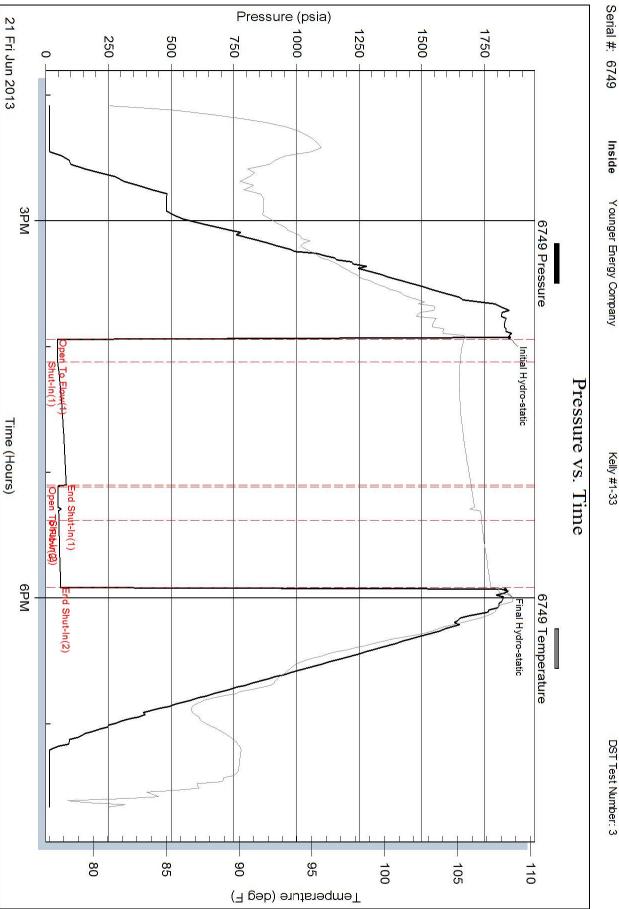
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Ref. No: 18133

Recovery Comments:



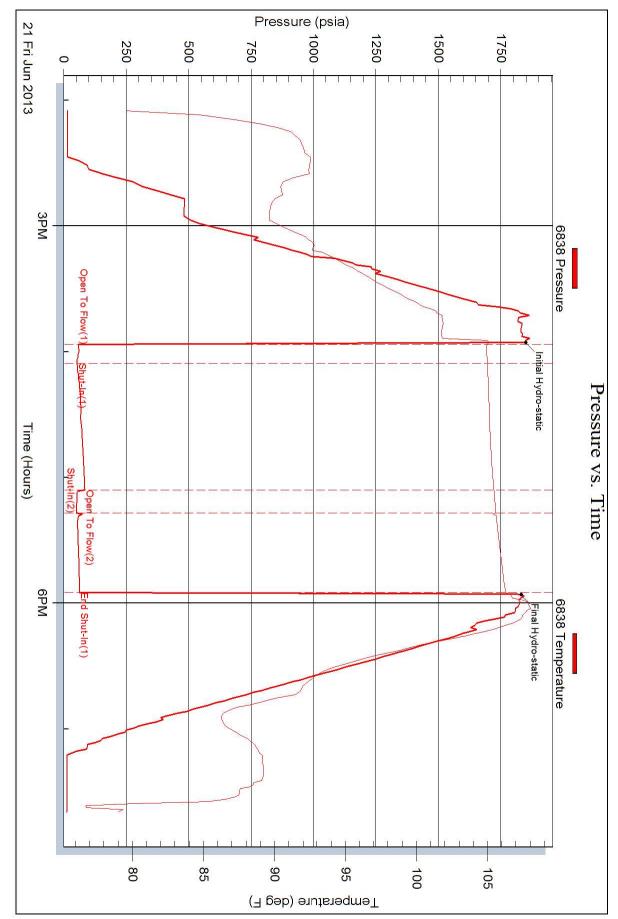


Printed: 2013.06.21 @ 19:49:29

Serial #: 6838

Outside

Younger Energy Company





Prepared For: Younger Energy Company

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

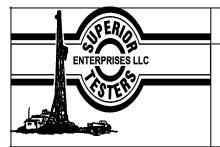
ATTN: Keith Reavis

Kelly #1-33

33/21S/15W/Pawnee

Start Date: 2013.06.22 @ 04:39:00 End Date: 2013.06.22 @ 10:00:00 Job Ticket #: 18134 DST #: 4

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



Younger Energy Company

33/21S/15W/Pawnee

Kelly #1-33

Tester:

Unit No:

9415 East Harry Street Suite 403 Building 400

Wichita, Kansas 67207+5083

Job Ticket: 18134 DST#: 4

ATTN: Keith Reavis Test Start: 2013.06.22 @ 04:39:00

GENERAL INFORMATION:

Formation: Simpson/Arbuckle

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 06:56:30 Time Test Ended: 10:00:00

3875.00 ft (KB) To 3935.00 ft (KB) (TVD) Interval:

Total Depth: 3935.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor

3325 Great Bend/56 Reference Elevations: 1985.00 ft (KB)

Ken Sw inney

1973.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6749 Inside

5000.00 psia Press@RunDepth: 1344.09 psia @ 3931.30 ft (KB) Capacity:

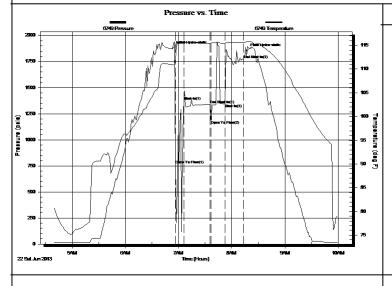
Start Date: 2013.06.22 End Date: 2013.06.22 Last Calib.: 2013.06.22 Start Time: 04:39:00 End Time: 10:00:00 Time On Btm: 2013.06.22 @ 06:53:30 Time Off Btm: 2013.06.22 @ 08:17:00

TEST COMMENT: 1ST Open 10 Minutes/12 foot slide/blow at 7 inches after slide/Surging blow built to 9 1/2 inches

1ST Shut In 30 Minutes/No blow back

2ND Open 17 Minutes/Few bubbles at open/Flush tool/Weak surface blow for 1 minute

2ND Shut In 20 Mintues/No blow back



PRESSURE SUMMARY					
Pressure	Temn	∆ nnotation			

IIIIE	riessule	remp	Affilolation
(Min.)	(psia)	(deg F)	
0	1875.15	110.92	Initial Hydro-static
3	763.96	112.16	Open To Flow (1)
13	1371.97	115.88	Shut-In(1)
42	1338.85	115.41	End Shut-In(1)
43	1140.52	115.45	Open To Flow (2)
59	1344.09	115.44	Shut-In(2)
80	1771.85	115.63	End Shut-In(2)
84	1853.89	115.87	Final Hydro-static

Recovery

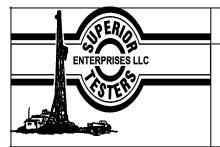
Description	Volume (bbl)
Mud 100%	1.47
	·

Ref. No: 18134

Gas Rates

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

Printed: 2013.06.22 @ 10:12:52



Younger Energy Company

33/21S/15W/Pawnee

Kelly #1-33

Tester:

Unit No:

9415 East Harry Street Suite 403 Building 400

Wichita, Kansas 67207+5083

ATTN: Keith Reavis

Job Ticket: 18134 **DST#: 4**

Test Start: 2013.06.22 @ 04:39:00

Ken Sw inney

3325 Great Bend/56

1973.00 ft (CF)

GENERAL INFORMATION:

Formation: Simpson/Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 06:56:30 Time Test Ended: 10:00:00

Interval: 3875.00 ft (KB) To 3935.00 ft (KB) (TVD) Reference Elevations: 1985.00 ft (KB)

Total Depth: 3935.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor KB to GR/CF: 12.00 ft

Serial #: 6838 Outside

Press@RunDepth: 1748.13 psia @ 3932.30 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2013.06.22
 End Date:
 2013.06.22
 Last Calib.:
 2013.06.22

 Start Time:
 04:39:00
 End Time:
 10:00:00
 Time On Btm:
 2013.06.22 @ 06:53:30

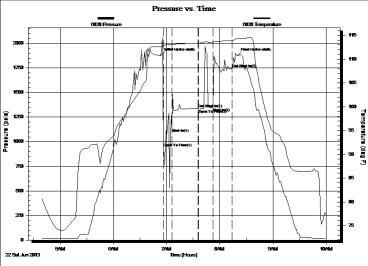
Time Off Btm: 2013.06.22 @ 08:20:00

TEST COMMENT: 1ST Open 10 Minutes/12 foot slide/blow at 7 inches after slide/Surging blow built to 9 1/2 inches

1ST Shut In 30 Minutes/No blow back

2ND Open 17 Minutes/Few bubbles at open/Flush tool/Weak surface blow for 1 minute

2ND Shut In 20 Mintues/No blow back



1	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1877.48	112.59	Initial Hydro-static
	3	940.03	112.95	Open To Flow (1)
	13	1091.16	112.97	Shut-In(1)
	42	1339.35	113.41	End Shut-In(1)
	43	1283.23	113.39	Open To Flow (2)
	59	1345.12	113.57	Shut-In(2)
, ,	81	1748.13	113.94	End Shut-In(2)
•	87	1876.63	114.28	Final Hydro-static

PRESSURE SUMMARY

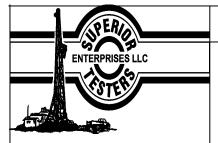
Recovery

Description	Volume (bbl)
Mud 100%	1.47
	·

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

Superior Testers Enterprises LLC Ref. No: 18134

Printed: 2013.06.22 @ 10:12:52



TOOL DIAGRAM

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Job Ticket: 18134

Kelly #1-33

DST#:4

ATTN: Keith Reavis

Test Start: 2013.06.22 @ 04:39:00

Tool Information

Drill Pipe: Length: 3866.00 ft Diameter: 3.80
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00
Drill Collar: Length: 0.00 ft Diameter: 0.00

3.80 inches Volume: 54.23 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl

54.23 bbl

Total Volume:

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 75000.00 lb

Drill Pipe Above KB: 18.00 ft
Depth to Top Packer: 3875.00 ft

Tool Chased 12.00 ft String Weight: Initial 51000.00 lb

Printed: 2013.06.22 @ 10:12:52

Depth to Bottom Packer: ft Interval between Packers: 60.30 ft

Final 51000.00 lb

Tool Length: 87.30 ft

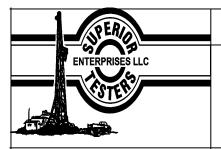
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3853.00		
Hydrolic Tool	5.00			3858.00		
Jars	5.00			3863.00		
Safety Joint	2.00			3865.00		
Packer	5.00			3870.00	27.00	Bottom Of Top Packer
Packer	5.00			3875.00		
Perforations	2.00			3877.00		
Change Over Sub	0.75			3877.75		
Drill Pipe	31.80			3909.55		
Change Over Sub	0.75			3910.30		
Anchor	20.00			3930.30		
Recorder	1.00	6749	Inside	3931.30		
Recorder	1.00	6838	Outside	3932.30		
Bullnose	3.00			3935.30	60.30	Bottom Packers & Anchor

Ref. No: 18134

Total Tool Length: 87.30



FLUID SUMMARY

Younger Energy Company

33/21S/15W/Pawnee

9415 East Harry Street Suite 403 Building 400 Wichita, Kansas 67207+5083

Serial #:

Kelly #1-33

Job Ticket: 18134

DST#: 4

ATTN: Keith Reavis

Test Start: 2013.06.22 @ 04:39:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: 9.00 lb/gal ft Water Salinity: ppm

Viscosity: 54.00 sec/qt Cushion Volume: bbl

Water Loss: $8.00 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psia

Salinity: 5300.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	Mud 100%	1.473

Total Volume: 1.473 bbl Total Length: 105.00 ft

Num Fluid Samples: 0 Num Gas Bombs: 0

Ref. No: 18134

Laboratory Name: Laboratory Location:

Recovery Comments:

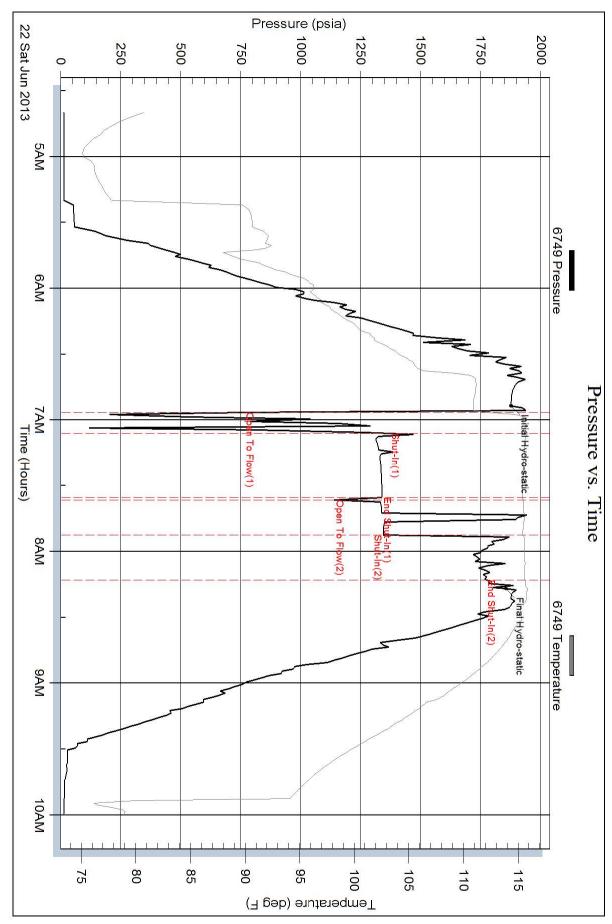
Superior Testers Enterprises LLC

Printed: 2013.06.22 @ 10:12:52

Printed: 2013.06.22 @ 10:12:52

Serial #: 6749

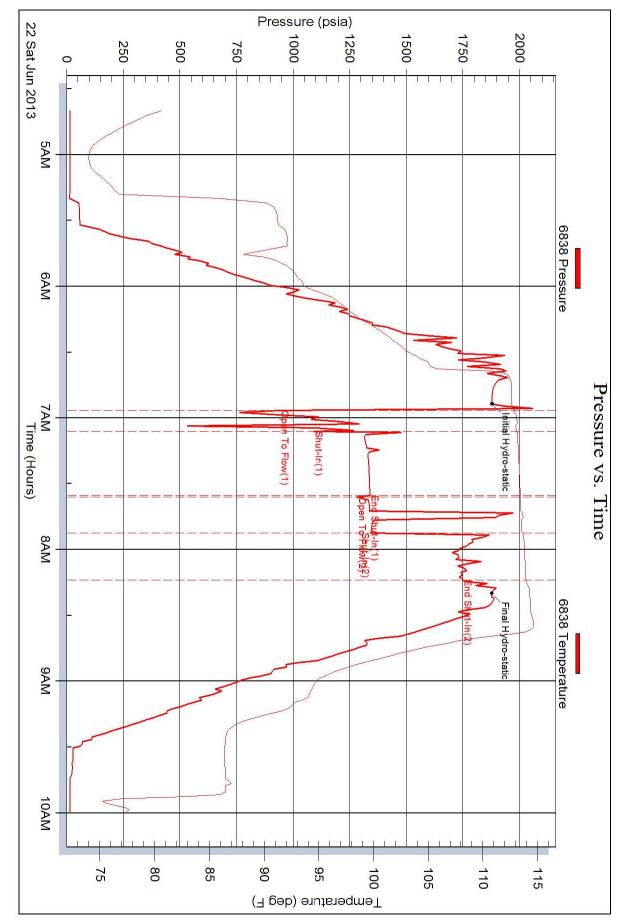
Inside



Printed: 2013.06.22 @ 10:12:52

Serial #: 6838

Outside





PO Box 93999 Southlake, TX 76092

Voice:

(817) 546-7282

Fax:

(817) 246-3361

Bill To:

Younger Energy Co. 9415 E. Harry St. STE #403

Wichita, KS 67207-5083

INVOICE

Invoice Number: 136914

Invoice Date: Jun 16, 2013 1

Page:

RECEIVED JUL 1 2013

Now Includes:



Customer ID	Field Ticket #	Payment	Гегте
Youn	60443	Net 30 D	
Job Location	Camp Location	Service Date	
KS1-01	Great Bend	V	Due Date
		Jun 16, 2013	7/16/13

Quantity	item	Description	Unit Price	Amount
		Kelly #1-33	-11.67	Amount
150.00	MAT	Class A Common	17.90	0.005.00
3.00	1	Gel	23.40	2,685.00
8.00	MAT	Chloride	1	70.20
76.00	MAT	Fio Seal	64.00	512.00
305.00	MAT	Lightweight	2.97	225.72
502.40	SER	Cubic Feet	16.50	5,032.50
432.00	SER	Ton Mileage	2.48	1,245.95
1.00	SER	Surface	2.60	1,123.20
20.00		Pump Truck Mileage	2,058.50	2,058.50
1		Manifold Head Rental	7.70	154.00
20.00		Light Vehicle Mileage	275.00	275.00
1.00		8.5/8 Rubber Plug	4.40	88.00
1.00		8.5/8 Baffle Plate	76.25	76.25
	CEMENTER		67.50	67.50
	EQUIP OPER	Dustin Chambers		
	OPER ASSIST	Mike Scothorn		
	OPER ASSIST	Kevin Weighous		
1.00	OF LN A33131	Marlyn Spangenberg		
		Sembar's		

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

3,771.61

ONLY IF PAID ON OR BEFORE Jul 11, 2013

Subtotal	10.010
Sales Tax	13,613.82
	719.54
Total Invoice Amount	14,333.36
Payment/Credit Applied	
TOTAL	1/10206

180311

10,561.75

ALLIED OIL & GAS SERVICES, LLC 060443

REMIT TO P.O. BOX 93999	.U. # 20-66514/5 SEI	RVICE POINT:	
SOUTHLAKE, TEXAS 76092	321		Berl f5
DATE 6-16-13 SEC. 33 TWP. RANGE 15W	CALLED OUT ON LOCATION	JOB START	JOB FINISH
LEASE Kelly WELL# 1-33 LOCATION Dynche	2 4K-19 UN 1/12N	COUNTY	STATE
OLD OR NEW (Circle one)			
CONTRACTOR Dake Dalling IF 1 TYPE OF JOB SING GIR	OWNER		
HOLE SIZE 12/4 T.D.	CEMENT		
CASING SIZE 454 DEPTH 9/0	AMOUNT ORDERED 305	5KS 65401	SEA 384.
TUBING SIZE DEPTH	Do Lloy, gel 34 LC Yat	1/2	,
DRILL PIPE 1/2 DEPTH	150 9kg Closs 4 3	51C 24.98	/
TOOL DEPTH			_
PRES. MAX MINIMUM MEAS. LINE SHOE IOINT	COMMON/5台	@ 17.90	Z.682. ₫₽
31102101111	POZMIX	@	
CEMENT LEFT IN CSG. 40f7 PERFS.	GEL 3	@ 23.40	70.20
DISPLACEMENT 55,41 bbls Fresh were	CHLORIDE	@64.00	215.00
	ASC		
EQUIPMENT	Alaskal 76	@ 2.77	225. 72
	Abblied Lite w+ 30	_@	
PUMPTRUCK CEMENTER DUSTIN Chambers	HARRED Lite WT 30		2.032. SE
# 366 HELPER MIKE Scothorn		@	
BULK TRUCK # 344-175 DRIVER K-eyla Localiback			
# 344-175 DRIVER Kewn Weighnes BULKTRUCK		_ @	_
BULK I KUCK			
#70/2-112 DRIVER Marlyn Spangleburg	HANDLING 502.40	@ 2.48	12 y 5, 55
,	MILEAGE 432	2.60	1123.20
REMARKS:	•		10.894.
Perino Shale fresh, good Almes		IOIAL	10.917
mix 3054Ks 65/35 6/201 3/100 /4 910	SERVI	CE	
MIX 150 5/63 6/669 A 34/06 24/-10-61	SERVI	CE	
4hout Down of he leage, plays	DEPTH OF JOB 910		
Displace 55.41 Bb/s Frey Loary	PUMP TRUCK CHARGE	2058.50	
land plug pressure 600 #	EXTRA FOOTAGE	@	
Dlug Down 5635 pm	MILEAGE HUM 20	@ 7.70	154.00
cenery did withhort	MANIFOLD HEad Rent	@ 275.00	275-00
		@4.40	88.00
1/ -			
CHARGE TO: Younger Energy			
STREET		TOTAL	2.5 75.
· · · · · · · · · · · · · · · · · · ·			
CITYSTATEZIP	PLUG & FLOAT	EQUIPMENT	г
	1-9510 Rubber when	@ 76.25	
	1-85/11 Battle Alame	@ 67.30	
To: Allied Oil & Gas Services, LLC.		@	
You are hereby requested to rent cementing equipment			
nd furnish cementer and helper(s) to assist owner or		@	
ontractor to do work as is listed. The above work was			
one to satisfaction and supervision of owner agent or		TOTAL	143. 25
ontractor. I have read and understand the "GENERAL		IOIAL .	
ERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)		
and the state of t		82	
	TOTAL CHARGES 13.61 DISCOUNT	1.61	
RINTED NAME XI) CO CONSTRUCTION	DISCOUNT	IF PAID	IN 30 DAYS
11 1	9847	21	
IGNATURE X S	/. 0 12	* -	
/long k Kanti			
- vant tours			



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282 (817) 246-3361

Bill To:

Younger Energy Co. 9415 E. Harry St. STE #403

Wichita, KS 67207-5083

Invoice Number: 137072

Invoice Date: Jun 23, 2013

Page: 1

Now Includes:



Customer ID	Field Ticket#	Payment	Terms
Youn	60516	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Jun 23, 2013	7/23/13

0	10 mm			
Quantity	Item	Description	Unit Price	Amount
		Kelly #1-32		
132.00	MAT	Class A Common	17.90	2,362.80
88.00	MAT	Pozmix	9.35	822.80
8.00	MAT	Gel	23.40	187.20
55.00	MAT	Flo Seal	2.97	163.35
236.99	SER	Cubic Feet	2.48	587.73
197.75	SER	Ton Mileage	2.60	514.15
1.00	SER	Rotary Plug	2,810.84	2,810.84
20.00	SER	Pump Truck Mileage	7.70	154.00
20.00	SER	Light Vehicle Mileage	4.40	88.00
1.00	CEMENTER	Joshua Isaac		
1.00	EQUIP OPER	Charles Kinyon		
1.00	OPER ASSIST	Ben Newell		
		Plugging Coment		
		08		

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

2,153.44

ONLY IF PAID ON OR BEFORE Jul 18, 2013

Subtotal	7,690.87
Sales Tax	638.34
Total Invoice Amount	8,329.21
Payment/Credit Applied	
TOTAL	8,329.21
	(. m = 0)

ALLIED OIL & GAS SERVICES, LLC 060516 Federal Tax I.D. # 20-8651475

SOUTHLAKE, TEXAS 76092		SERV	ICE POINT:	Berl &
DATE G-23-13 SEC 33 TWP. RANGE	15 CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE Kelly WELL# 1-32 LOCATIO	N Radium to K/9	4W 1/2N	COUNTY PUNDE	STATE
OLD OR NEW (Circle one)	to	160 . 20	1 AUTIEL	1703
	-	· · ·	J	
CONTRACTOR DUKE CIRILLY # 1	OWNER			
TYPE OF JOB KOLNY Ping	<u> </u>			
HOLE SIZE 124 T.D. CASING SIZE 8% DEPTH	CEMENT	2 70	5/01	1
	AMOUNT O	RDERED 220	THE CHES	84 665
	010	0x. 19 Fls		
TOOL DEPTH	710	-		
PRES. MAX MINIMUM	COMMON	132	@ 17.90	2.362.8°
MEAS. LINE SHOE JOINT	POZMIX	88	@ 9.35	822.80
CEMENT LEFT IN CSG. AU	GEL	8	@ 23.40	187.20
PERFS.	CHLORIDE		_@	
DISPLACEMENT Freih regree	ASC		_@	
EQUIPMENT	- Plat	real 55		7 163.30
_			_@	
PUMPTRUCK CEMENTER Such ISQUE			^	
# 399 HELPER Charels Fin	(m)		_@ @	
DUIL & TOLICK / . '	· · · · · · · · · · · · · · · · · · ·		_ @	
# 341 DRIVER BONN EVEL			_ <u> </u>	
BULK TRUCK				
# DRIVER	HANDLING	236.99	@ 2.48	587, 73
	MILEAGE _	9.88 x 20 X	2.60	514.15
REMARKS:			TOTAL	4.638.°
1 50=165 - 4010 FL		SERVI	CE	
2 50 - 997				
3 40 - 240	DEPTH OF J	10B 4010	89	
4 to Go	PUMP TRUC	CK CHARGE 2	810. 57	
		DTAGE Hum 20	_@ _@_7-70	154.00
Rigdon				101:-
13. 9 (10 pm	——— MANIFOLD	Lum 20	-@ <u></u>	88.00
				
CHARGE TO: Yourge Energy Comfo	<u></u>	-		
CHARGE TO: 100 19 19 19 19 19 19 19 19 19 19 19 19 19	7		TOTAL	<u>3.052. ×</u>
STREET	<u>/</u>		20 11 12	
CITYSTATEZI	P			
		PLUG & FLOAT	. EGOTIME	A.T.
¥			_ @	
			_@	
To: Allied Oil & Gas Services, LLC.				
You are hereby requested to rent cementing ea	mbment —			
and furnish cementer and helper(s) to assist o	vner or			
contractor to do work as is listed. The above			TATOT 4	
done to satisfaction and supervision of owner			IOIAL	·
contractor. I have read and understand the "G	ENERAL SALESTAY	(If Anul		
TERMS AND CONDITIONS" listed on the re	verse side. SALES TAX	7 / 6 -	87	_ _
20 12 20 10	TOTAL CHA	ARGES 7.690. 2.153. 5.53	VV	
PRINTED NAMEX MIKE CONFITE	V DISCOUNT	4.133.	IF PAI	D IN 30 DAYS
1	7	25	7 42	= =
V. M. 1- 1/2 H- All.		5.5 5	1	
SIGNATURE North Hopfy	 _			
KLAMME YOU				
10000				

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

August 15, 2013

Diane Rebstock Younger Energy Company 9415 E. HARRY STREET, SUITE 403 BUILDING 400 WICHITA, KS 67207-5083

Re: ACO1 API 15-145-21718-00-00 Kelly 1-33 SE/4 Sec.33-21S-15W Pawnee County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Diane Rebstock