



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1146835
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1146835

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc.**

7701 E Kellogg DR STE 710
Wichita, KS 67207

ATTN: Sean Deenihan / Pat

Mowry Trust #1-21

21-8s-25w Graham,KS

Start Date: 2013.05.28 @ 01:42:00

End Date: 2013.05.28 @ 07:15:30

Job Ticket #: 49132 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.05 @ 14:13:48



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 49132

DST#: 1

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.28 @ 01:42:00

Tool Information

Drill Pipe:	Length: 3725.00 ft	Diameter: 3.60 inches	Volume: 46.90 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 46.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3722.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3695.00	
Shut In Tool	5.00			3700.00	
Hydraulic tool	5.00			3705.00	
Jars	5.00			3710.00	
Safety Joint	3.00			3713.00	
Packer	5.00			3718.00	28.00 Bottom Of Top Packer
Packer	4.00			3722.00	
Stubb	1.00			3723.00	
Recorder	0.00	6772	Outside	3723.00	
Recorder	0.00	8845	Outside	3723.00	
Perforations	14.00			3737.00	
Change Over Sub	1.00			3738.00	
Drill Pipe	31.00			3769.00	
Change Over Sub	1.00			3770.00	
Bullnose	5.00			3775.00	53.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 49132

DST#: 1

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.28 @ 01:42:00

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud 100m	1.133

Total Length: 90.00 ft Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

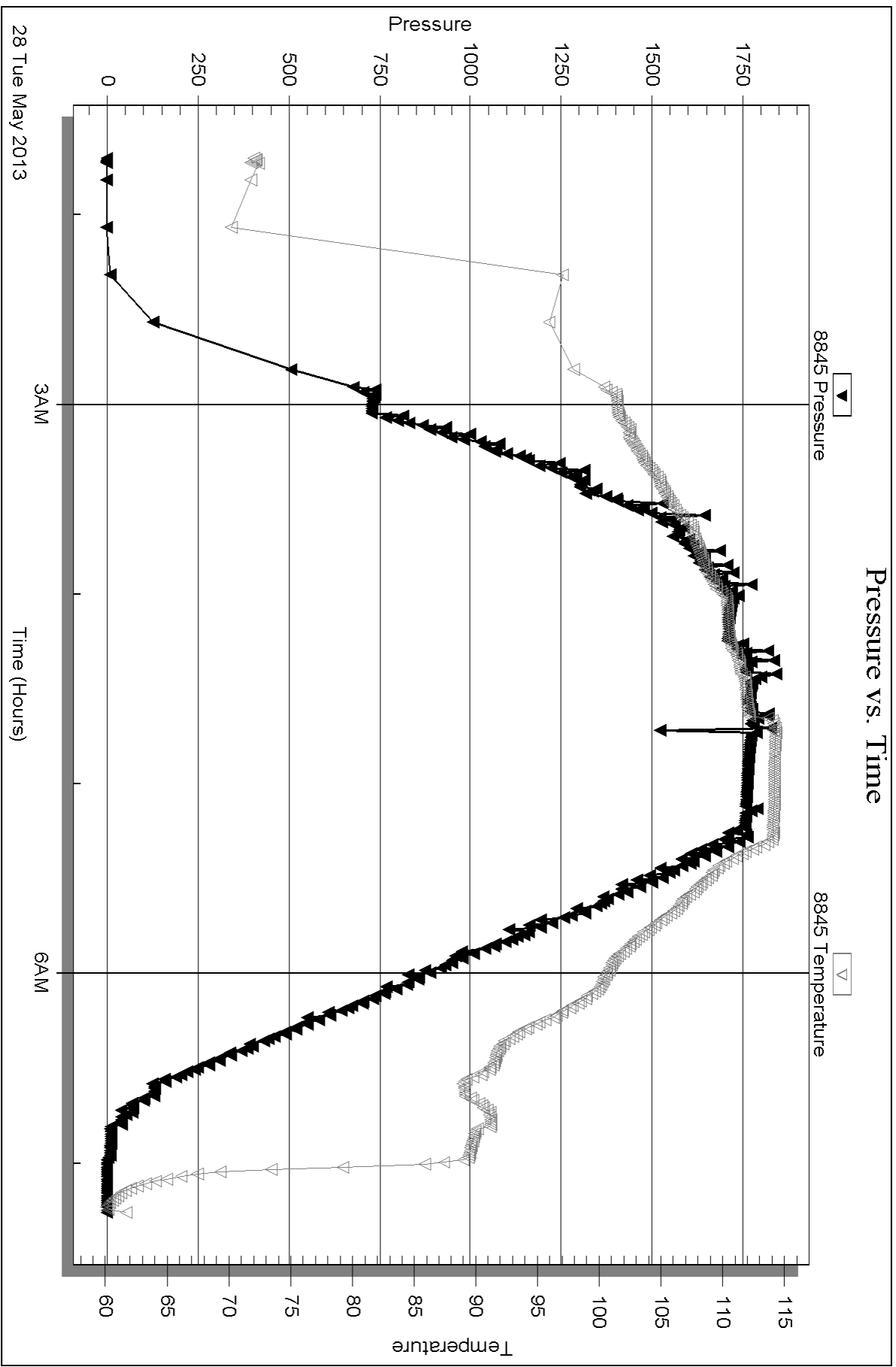
Recovery Comments:

Serial #: 8845

Outside Red Oak Energy, Inc.

Mowry Trust #1-21

DST Test Number: 1

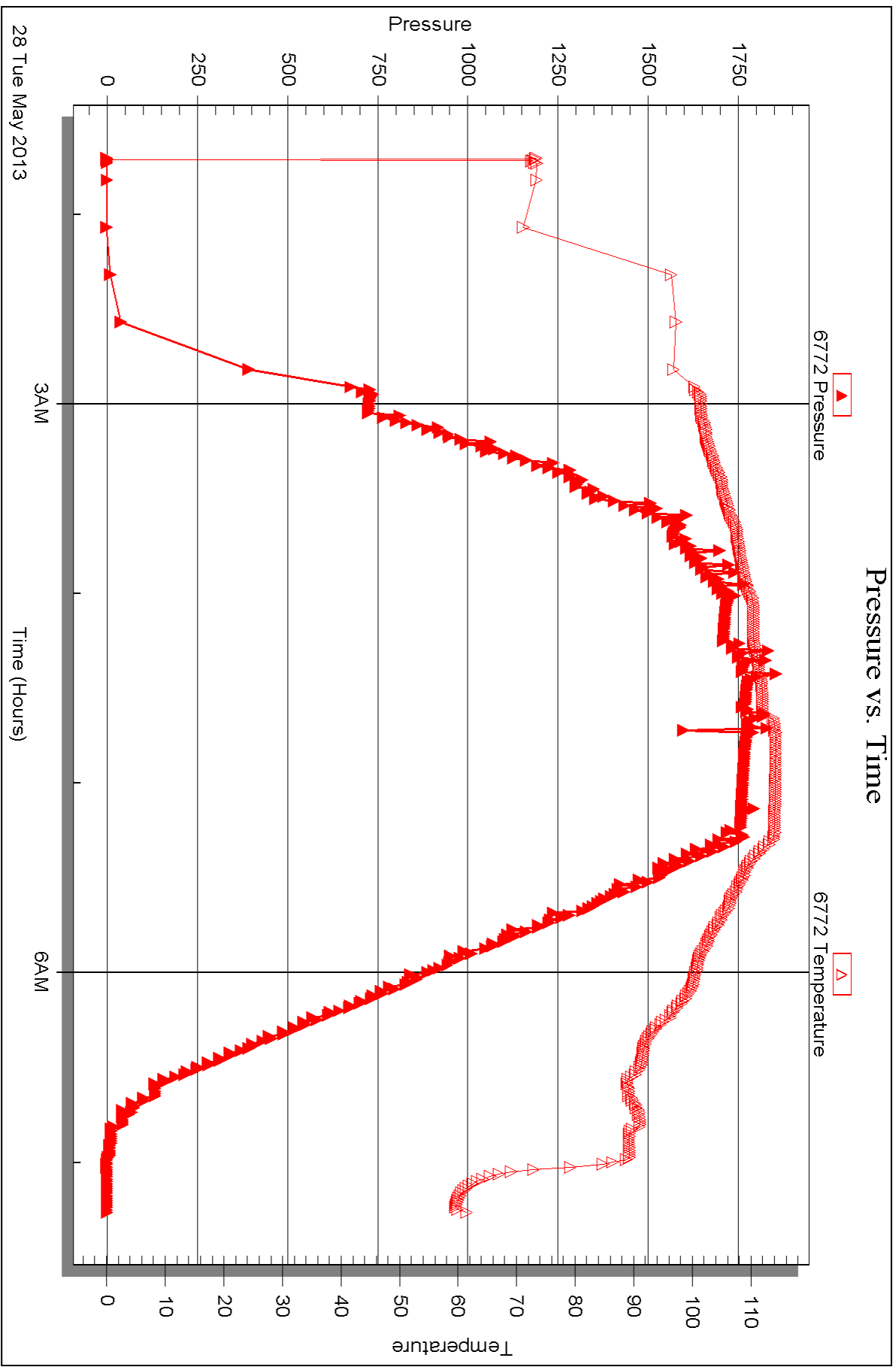


Serial #: 6772

Outside Red Oak Energy, Inc.

Mowry Trust #1-21

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc.**

7701 E Kellogg DR STE 710
Wichita, KS 67207

ATTN: Sean Deenihan / Pat

Mowry Trust #1-21

21-8s-25w Graham,KS

Start Date: 2013.05.28 @ 07:42:00

End Date: 2013.05.28 @ 14:18:15

Job Ticket #: 49133 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.05 @ 14:12:56



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

ATTN: Sean Deenihan / Pat

Job Ticket: 49133

DST#: 2

Test Start: 2013.05.28 @ 07:42:00

GENERAL INFORMATION:

Formation: " B "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:32:30

Time Test Ended: 14:18:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 3740.00 ft (KB) To 3775.00 ft (KB) (TVD)

Reference Elevations: 2442.00 ft (KB)

Total Depth: 3775.00 ft (KB) (TVD)

2434.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press @ RunDepth: 80.35 psig @ 3741.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.28 End Date: 2013.05.28

Last Calib.: 2013.05.28

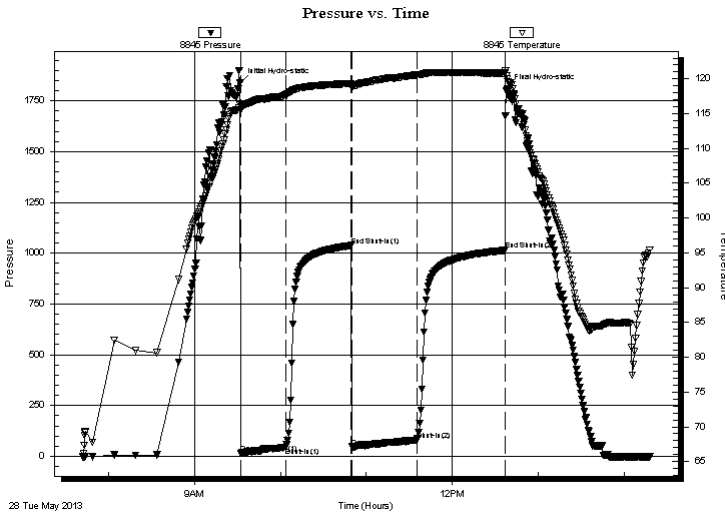
Start Time: 07:42:05 End Time: 14:18:14

Time On Btm: 2013.05.28 @ 09:32:15

Time Off Btm: 2013.05.28 @ 12:38:15

TEST COMMENT: IF: BOB @ 18 min.
IS: Bled off 4 min. No Return.
FF: BOB @ 16 min.
FS: Bled off 4 min. 1/2" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1837.89	116.34	Initial Hydro-static
1	15.52	115.44	Open To Flow (1)
32	44.23	117.66	Shut-In(1)
78	1037.53	119.33	End Shut-In(1)
78	46.26	118.81	Open To Flow (2)
124	80.35	120.58	Shut-In(2)
185	1014.28	120.82	End Shut-In(2)
186	1809.52	119.95	Final Hydro-static

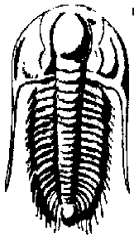
Recovery

Length (ft)	Description	Volume (bbl)
90.00	GOCM 20g 30o 50m	1.26
60.00	GO 30g 70o	0.84
0.00	270' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

21-8s-25w Graham, KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

ATTN: Sean Deenihan / Pat

Job Ticket: 49133

DST#: 2

Test Start: 2013.05.28 @ 07:42:00

GENERAL INFORMATION:

Formation: " B "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:32:30

Time Test Ended: 14:18:15

Interval: 3740.00 ft (KB) To 3775.00 ft (KB) (TVD)

Total Depth: 3775.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Reference Elevations: 2442.00 ft (KB)

2434.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6772 Outside

Press @ Run Depth: psig @ 3741.00 ft (KB)

Start Date: 2013.05.28 End Date: 2013.05.28

Start Time: 07:42:05 End Time: 14:18:14

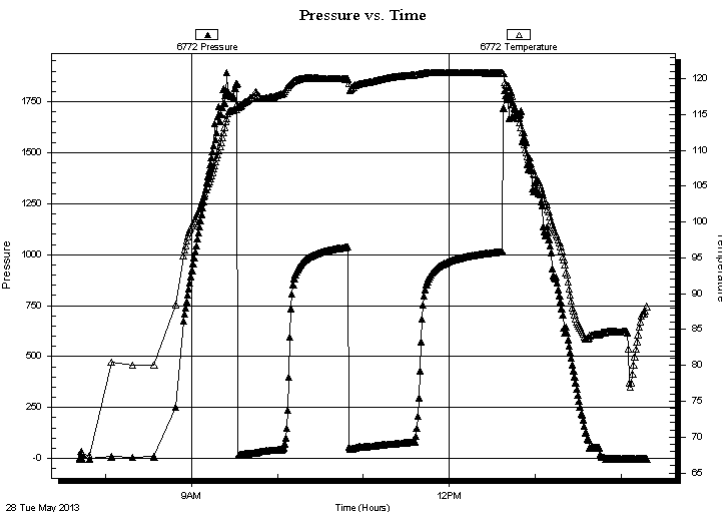
Capacity: 8000.00 psig

Last Calib.: 2013.05.28

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 18 min.
IS: Bled off 4 min. No Return.
FF: BOB @ 16 min.
FS: Bled off 4 min. 1/2" Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GOCM 20g 30o 50m	1.26
60.00	GO 30g 70o	0.84
0.00	270' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 49133

DST#: 2

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.28 @ 07:42:00

Tool Information

Drill Pipe:	Length: 3722.00 ft	Diameter: 3.80 inches	Volume: 52.21 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3740.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3713.00	
Shut In Tool	5.00			3718.00	
Hydraulic tool	5.00			3723.00	
Jars	5.00			3728.00	
Safety Joint	3.00			3731.00	
Packer	5.00			3736.00	28.00 Bottom Of Top Packer
Packer	4.00			3740.00	
Stubb	1.00			3741.00	
Recorder	0.00	6772	Outside	3741.00	
Recorder	0.00	8845	Outside	3741.00	
Perforations	29.00			3770.00	
Bullnose	5.00			3775.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 49133

DST#: 2

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.28 @ 07:42:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	GOCM 20g 30o 50m	1.262
60.00	GO 30g 70o	0.842
0.00	270' GIP	0.000

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

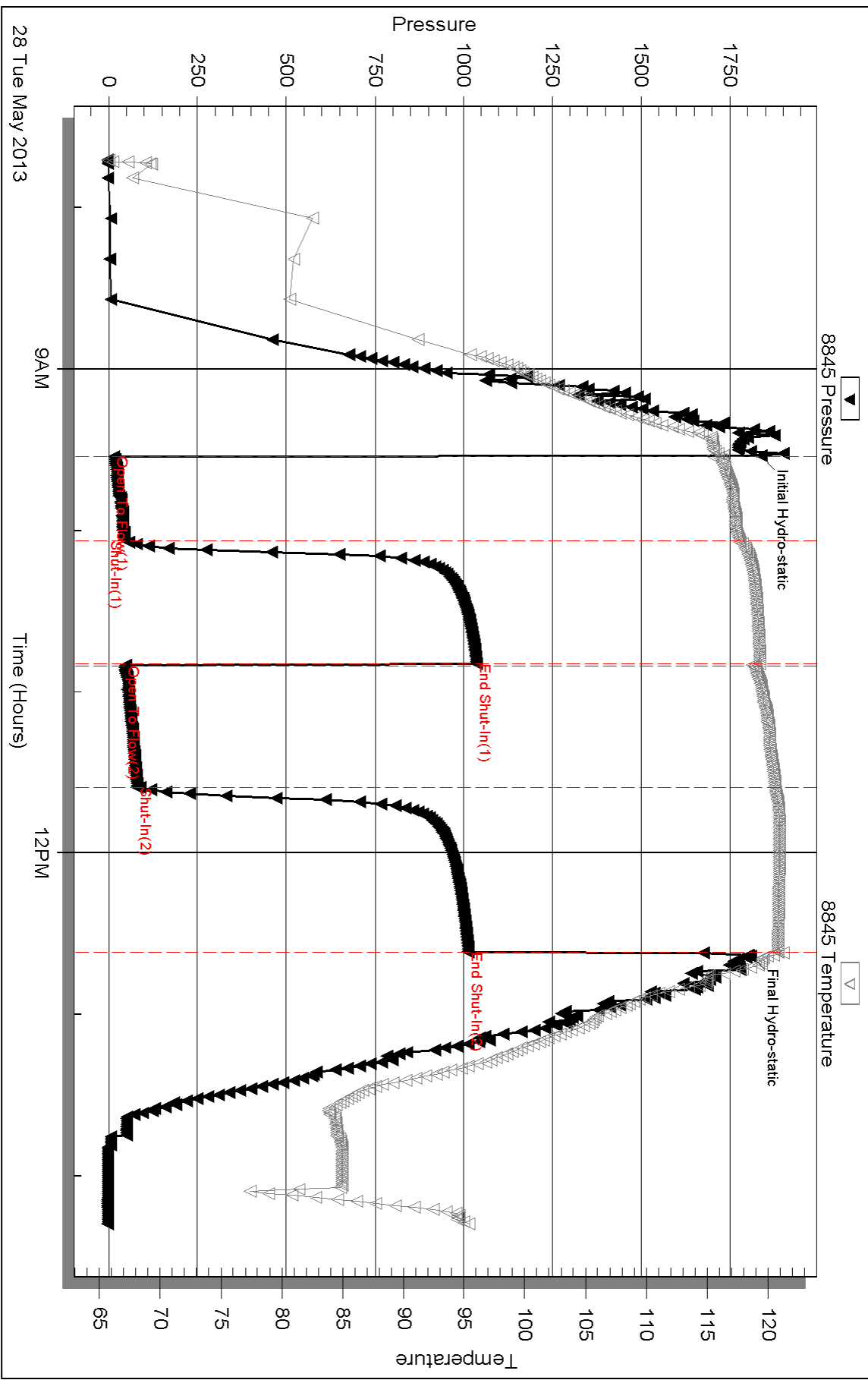
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: OIL API: 34 @ 90 degrees= 31 deg API

Pressure vs. Time

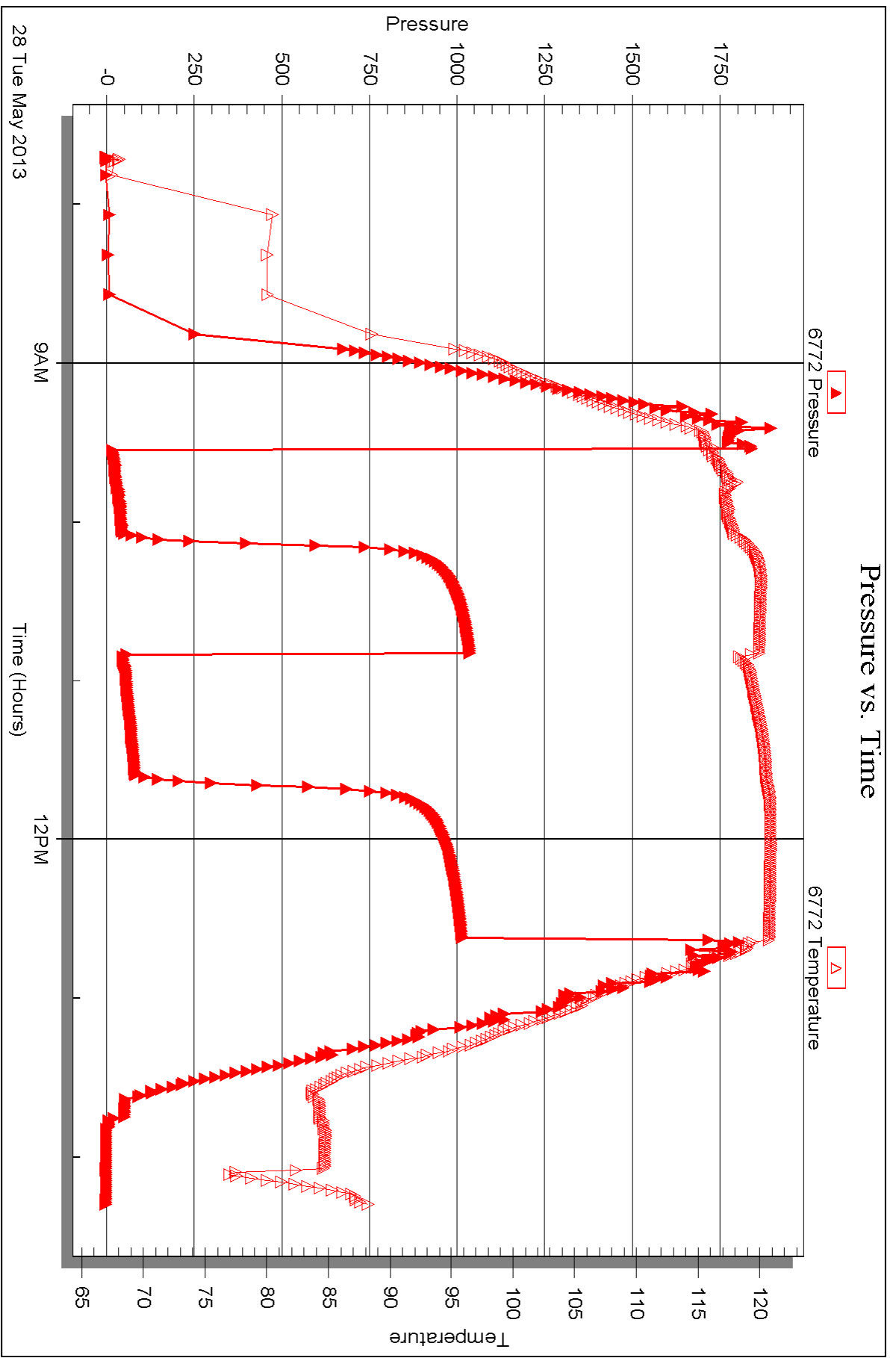


Serial #: 6772

Outside Red Oak Energy, Inc.

Mowry Trust #1-21

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 49133

Printed: 2013.06.05 @ 14:12:59



DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc.**

7701 E Kellogg DR STE 710
Wichita, KS 67207

ATTN: Sean Deenihan / Pat

Mowry Trust #1-21

21-8s-25w Graham,KS

Start Date: 2013.05.29 @ 03:52:00

End Date: 2013.05.29 @ 11:01:00

Job Ticket #: 49134 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.05 @ 14:10:26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

ATTN: Sean Deenihan / Pat

Job Ticket: 49134

DST#: 3

Test Start: 2013.05.29 @ 03:52:00

GENERAL INFORMATION:

Formation: " G "
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:55:00
 Time Test Ended: 11:01:00
 Interval: **3786.00 ft (KB) To 3846.00 ft (KB) (TVD)**
 Total Depth: 3846.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Sam Esparza
 Unit No: 64
 Reference Elevations: 2442.00 ft (KB)
 2434.00 ft (CF)
 KB to GR/CF: 8.00 ft

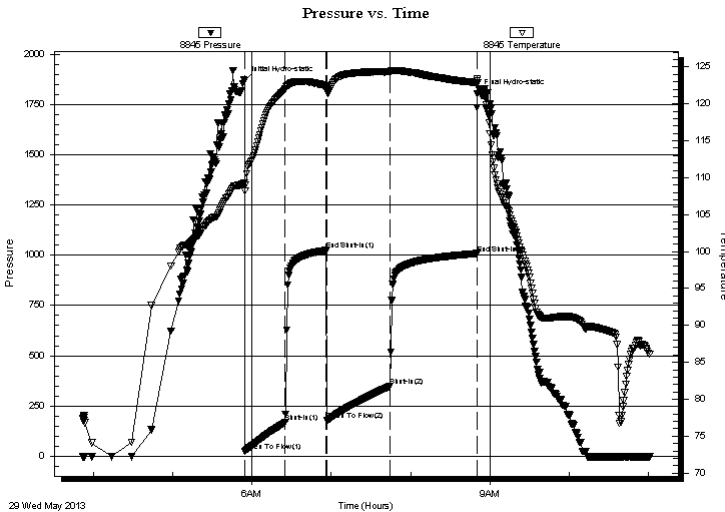
Serial #: 8845

Outside

Press @ Run Depth: 348.83 psig @ 3787.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.29 End Date: 2013.05.29 Last Calib.: 2013.05.29
 Start Time: 03:52:05 End Time: 11:00:59 Time On Btm: 2013.05.29 @ 05:54:45
 Time Off Btm: 2013.05.29 @ 08:50:30

TEST COMMENT: IF: BOB @ 6 min.
 IS: Bled off 5 min. 2" Return.
 FF: BOB @ 5 min.
 FS: Bled off 5 min. 9" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.95	109.28	Initial Hydro-static
1	25.97	108.26	Open To Flow (1)
31	169.46	122.01	Shut-In(1)
62	1024.39	122.46	End Shut-In(1)
62	180.16	121.92	Open To Flow (2)
110	348.83	124.35	Shut-In(2)
176	1008.45	122.88	End Shut-In(2)
176	1804.64	123.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MW 5m 95w	3.37
180.00	MW 20m 80w	2.52
120.00	GOWCM 5g 5o 40w 50m	1.68
180.00	GOWCM 5w 15o 20g 60m	2.52
70.00	GO 40g 60o	0.98
0.00	170' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 49134

DST#: 3

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.29 @ 03:52:00

Tool Information

Drill Pipe:	Length: 3788.00 ft	Diameter: 3.80 inches	Volume: 53.14 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 53.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3786.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Jars	5.00			3774.00	
Safety Joint	3.00			3777.00	
Packer	5.00			3782.00	28.00 Bottom Of Top Packer
Packer	4.00			3786.00	
Stubb	1.00			3787.00	
Recorder	0.00	6772	Outside	3787.00	
Recorder	0.00	8845	Outside	3787.00	
Perforations	21.00			3808.00	
Change Over Sub	1.00			3809.00	
Drill Pipe	31.00			3840.00	
Change Over Sub	1.00			3841.00	
Bullnose	5.00			3846.00	60.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 49134

DST#: 3

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.29 @ 03:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

71000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
240.00	MW 5m 95w	3.367
180.00	MW 20m 80w	2.525
120.00	GOWCM 5g 5o 40w 50m	1.683
180.00	GOWCM 5w 15o 20g 60m	2.525
70.00	GO 40g 60o	0.982
0.00	170' GIP	0.000

Total Length: 790.00 ft Total Volume: 11.082 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

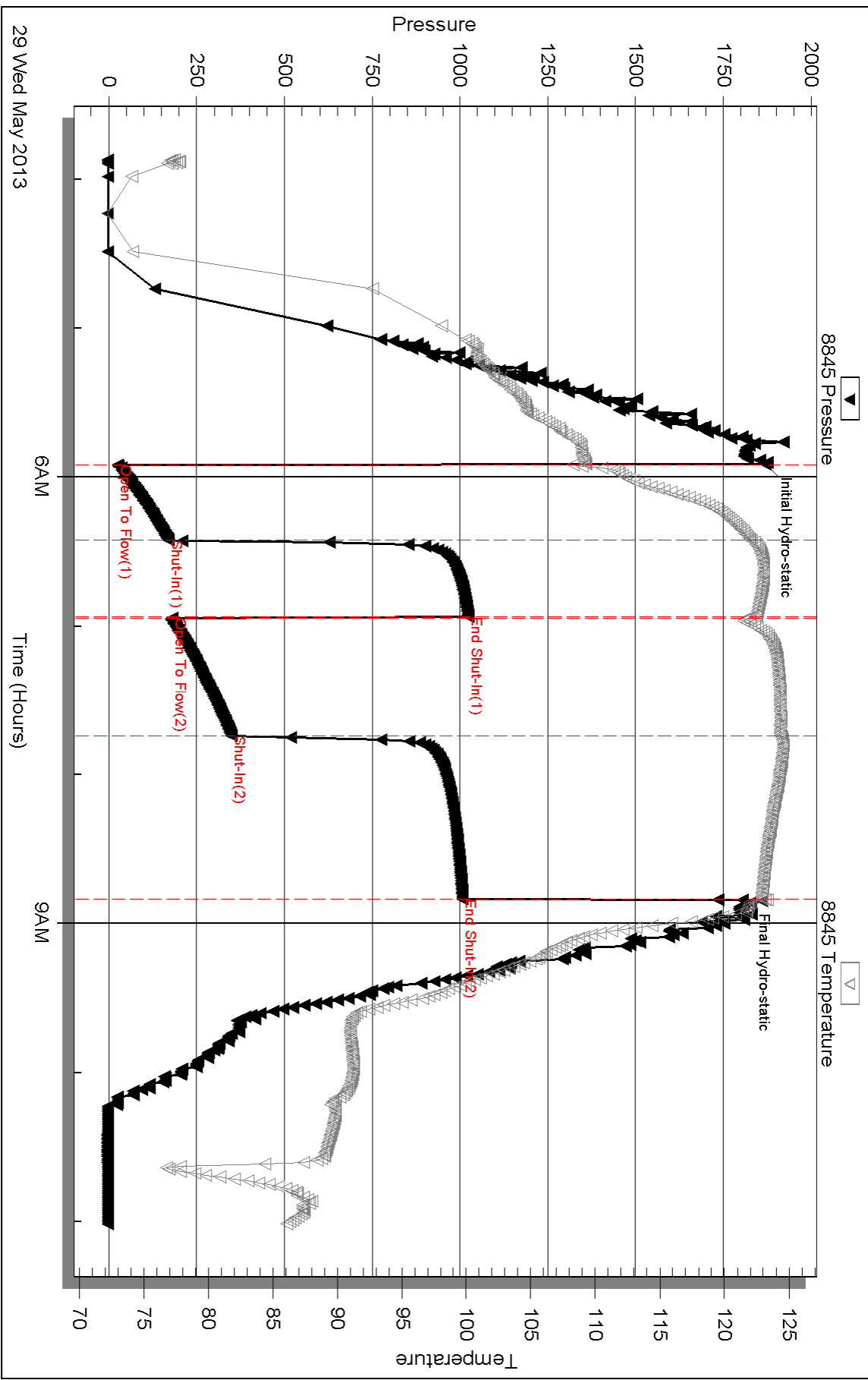
Laboratory Name:

Laboratory Location:

Recovery Comments: OIL API: 33 @ 80 degrees= 31 deg API

WATER SALINITY: .089 @ 80 degrees= 71,000 ppm

Pressure vs. Time

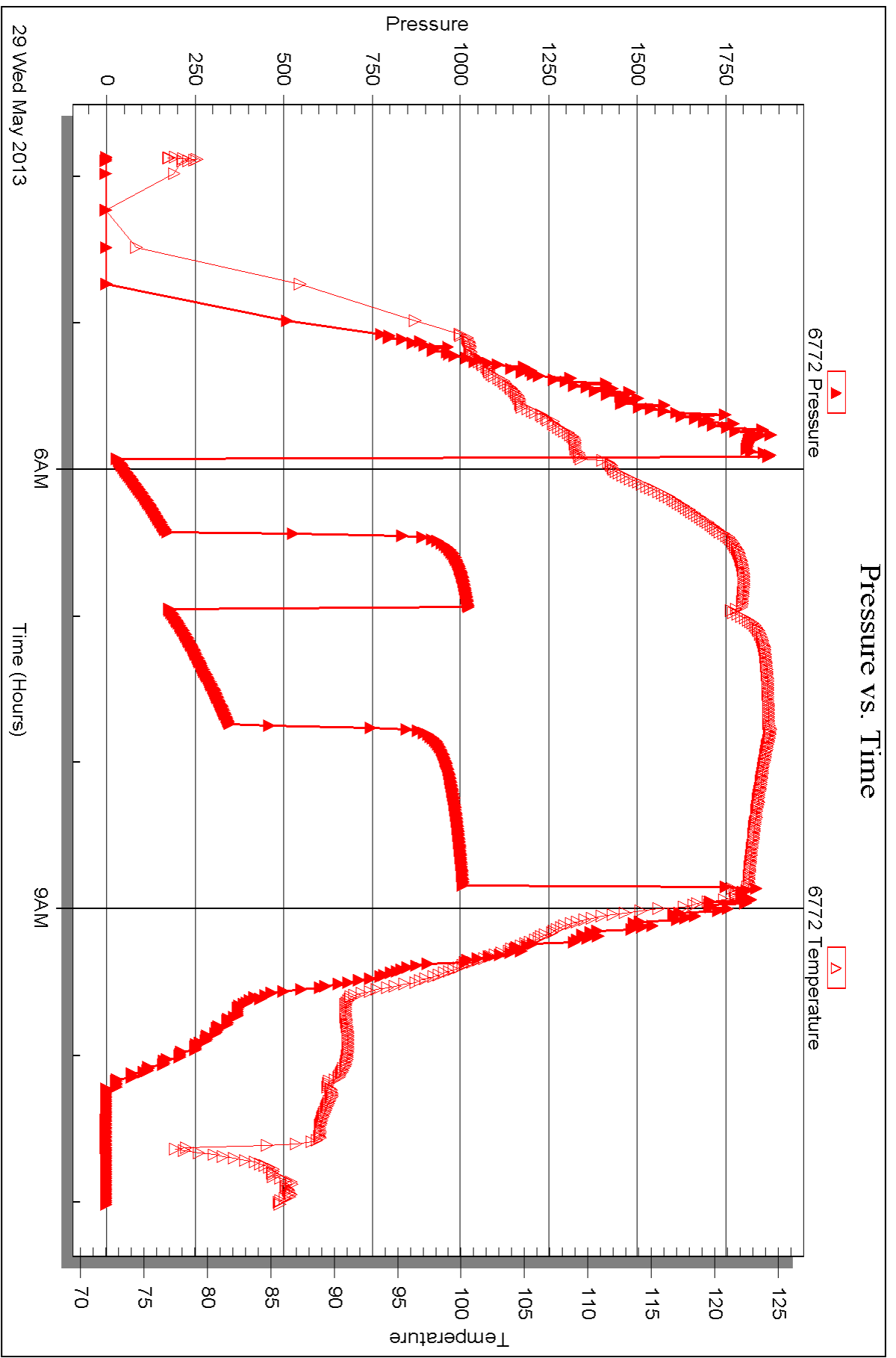


Serial #: 6772

Outside Red Oak Energy, Inc.

Mowry Trust #1-21

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 49134

Printed: 2013.06.05 @ 14:10:29



DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc.**

7701 E Kellogg DR STE 710
Wichita, KS 67207

ATTN: Sean Deenihan / Pat

Mowry Trust #1-21

21-8s-25w Graham,KS

Start Date: 2013.05.29 @ 18:38:00

End Date: 2013.05.30 @ 03:01:00

Job Ticket #: 52681 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.05 @ 14:09:41

Red Oak Energy, Inc. 21-8s-25w Graham,KS Mowry Trust #1-21 DST # 4 LKC " H " 2013.05.29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52681

DST#: 4

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.29 @ 18:38:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:05:00

Time Test Ended: 03:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 60

Interval: 3840.00 ft (KB) To 3870.00 ft (KB) (TVD)

Reference Elevations: 2442.00 ft (KB)

Total Depth: 3870.00 ft (KB) (TVD)

2434.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 26.06 psig @ 3841.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.29

End Date:

2013.05.30

Last Calib.: 2013.05.30

Start Time: 18:38:05

End Time:

03:00:59

Time On Btm: 2013.05.29 @ 22:04:00

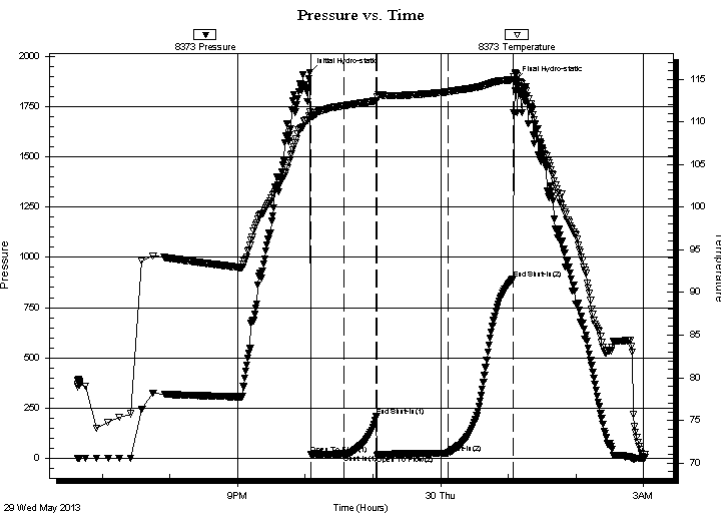
Time Off Btm: 2013.05.30 @ 01:06:30

TEST COMMENT: 30 IF - Surface blow built to 4"

30 ISI - No return

60 FF - 1 1/2" built to BoB @ 45 mins

60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1921.08	111.17	Initial Hydro-static
1	21.07	110.63	Open To Flow (1)
30	21.46	111.88	Shut-In(1)
59	208.24	112.49	End Shut-In(1)
60	16.21	112.89	Open To Flow (2)
123	26.06	113.53	Shut-In(2)
180	891.53	114.93	End Shut-In(2)
183	1879.35	115.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	GOCM - 10%G - 25%o - 65%M	0.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52681

DST#: 4

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.29 @ 18:38:00

Tool Information

Drill Pipe:	Length: 3818.00 ft	Diameter: 3.80 inches	Volume: 53.56 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 53.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3840.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3813.00	
Shut In Tool	5.00			3818.00	
Hydraulic tool	5.00			3823.00	
Jars	5.00			3828.00	
Safety Joint	3.00			3831.00	
Packer	5.00			3836.00	28.00 Bottom Of Top Packer
Packer	4.00			3840.00	
Packer - Shale	0.00			3840.00	
Stubb	1.00			3841.00	
Recorder	0.00	8373	Inside	3841.00	
Recorder	0.00	8356	Outside	3841.00	
Perforations	24.00			3865.00	
Bullnose	5.00			3870.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52681

DST#: 4

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.29 @ 18:38:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	GOCM - 10%G - 25%o - 65%M	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

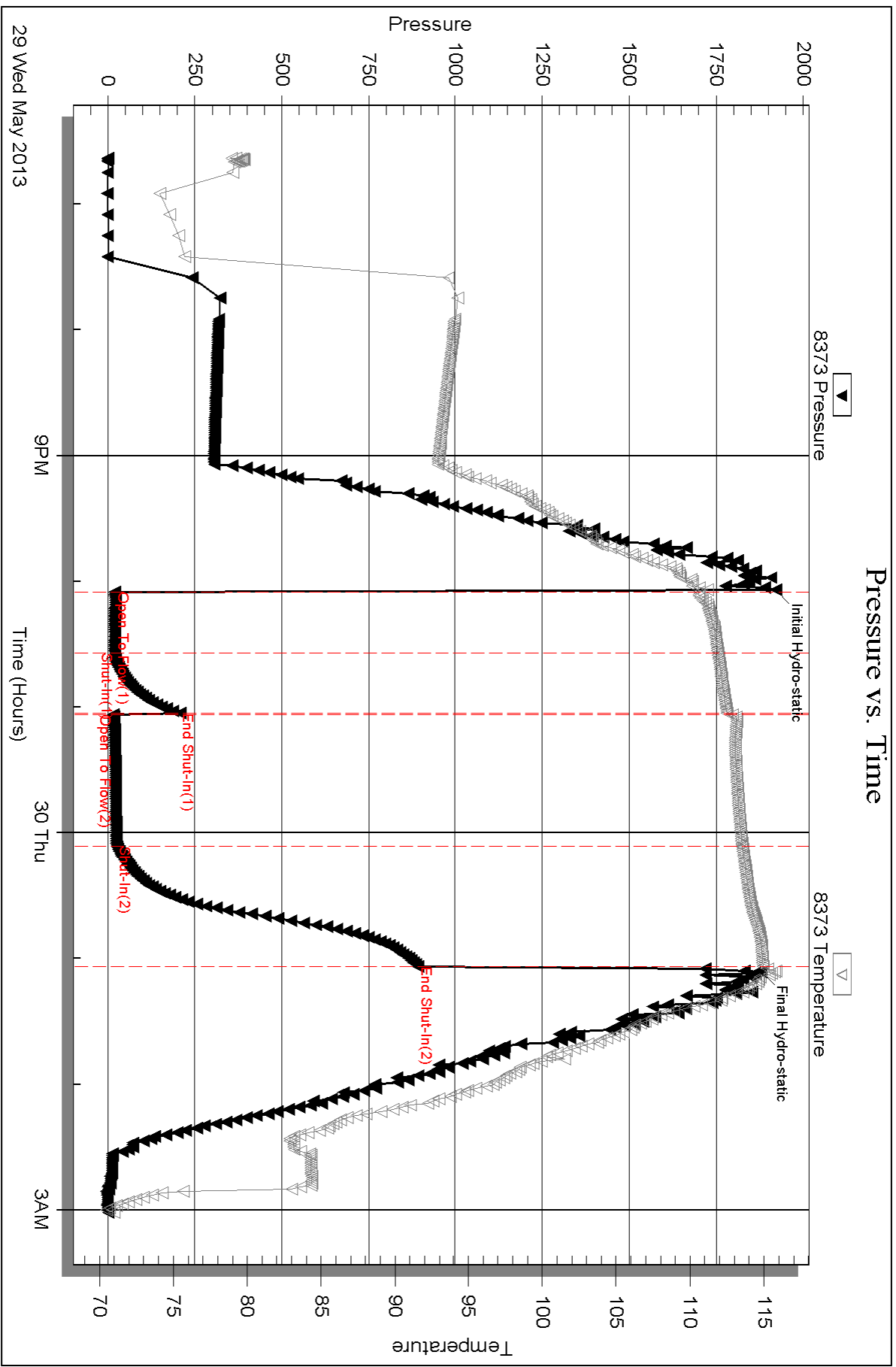
Num Gas Bombs: 0

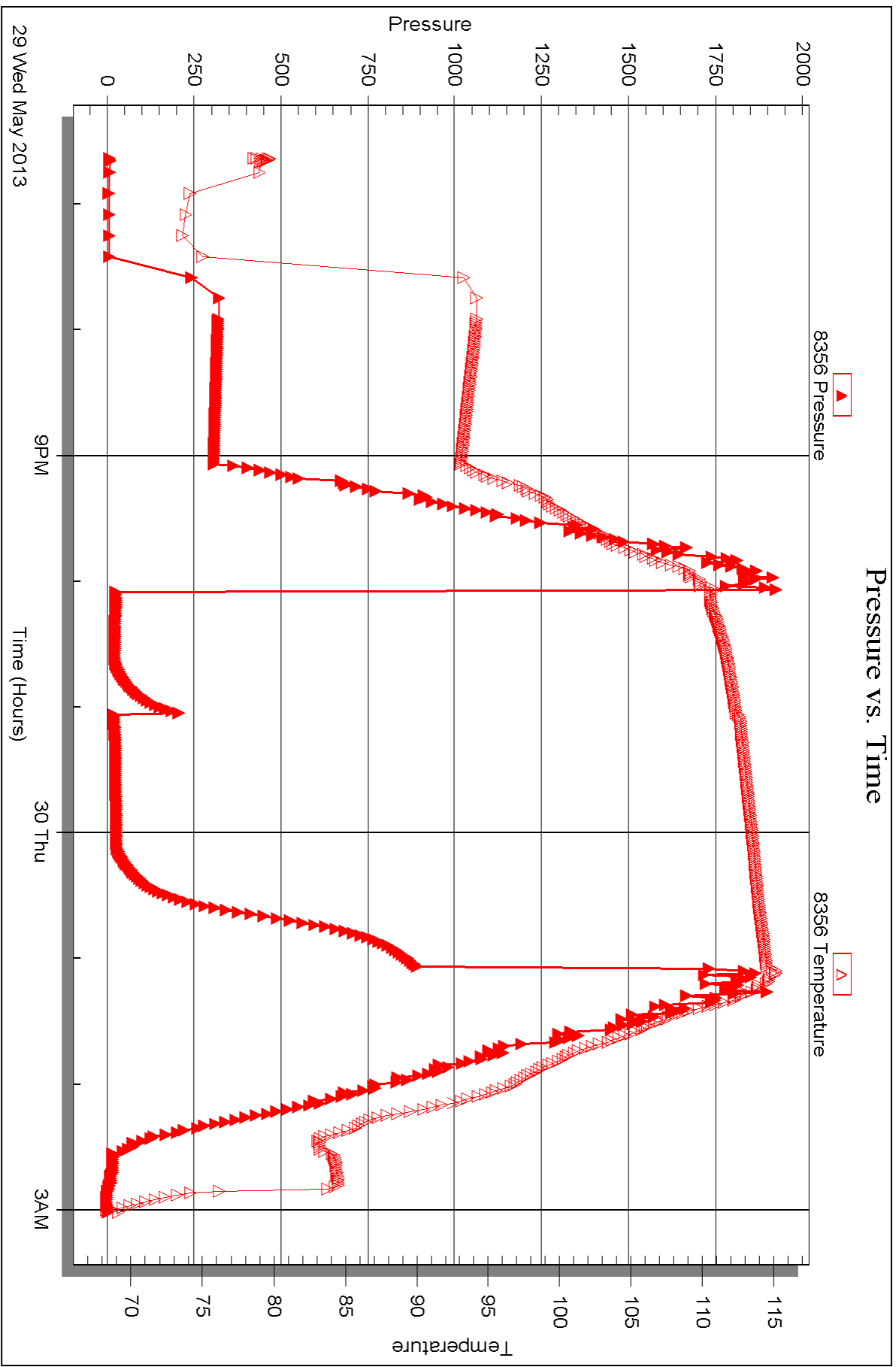
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 99' GIP





29 Wed May 2013

9 PM

Time (Hours)

30 Thu

3 AM



DRILL STEM TEST REPORT

Prepared For: **Red Oak Energy, Inc.**

7701 E Kellogg DR STE 710
Wichita, KS 67207

ATTN: Sean Deenihan / Pat

Mowry Trust #1-21

21-8s-25w Graham,KS

Start Date: 2013.05.30 @ 12:35:00

End Date: 2013.05.30 @ 23:53:30

Job Ticket #: 52682 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.05 @ 14:08:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52682

DST#: 5

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.30 @ 12:35:00

GENERAL INFORMATION:

Formation: **LKC "I - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:09:30

Time Test Ended: 23:53:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 60

Interval: 3868.00 ft (KB) To 3910.00 ft (KB) (TVD)

Reference Elevations: 2442.00 ft (KB)

Total Depth: 3910.00 ft (KB) (TVD)

2434.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8373 Outside

Press @ Run Depth: 1007.82 psig @ 3869.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.30

End Date: 2013.05.30

Last Calib.: 2013.05.30

Start Time: 12:35:05

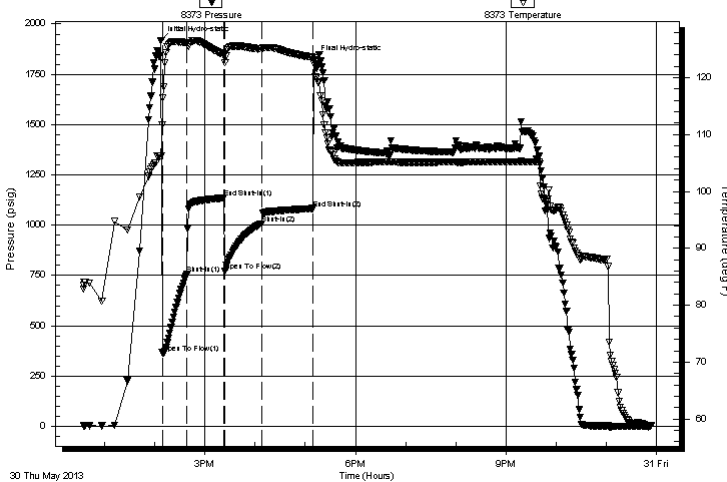
End Time: 23:53:30

Time On Btm: 2013.05.30 @ 14:07:30

Time Off Btm: 2013.05.30 @ 17:10:30

TEST COMMENT: 30 IF - BoB @ 1 min
45 ISI - BoB @ 5 mins
45 FF - BoB @ 1 min
60 FSI - BoB @ 1 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1918.55	106.25	Initial Hydro-static
2	364.50	116.36	Open To Flow (1)
31	758.14	126.07	Shut-In(1)
75	1135.55	124.01	End Shut-In(1)
77	773.88	122.57	Open To Flow (2)
120	1007.82	125.06	Shut-In(2)
182	1083.19	123.54	End Shut-In(2)
183	1825.04	122.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2927.00	GO - 15%G - 85%o	36.85

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52682

DST#: 5

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.30 @ 12:35:00

GENERAL INFORMATION:

Formation: **LKC " I - J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:09:30

Time Test Ended: 23:53:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 60

Interval: 3868.00 ft (KB) To 3910.00 ft (KB) (TVD)

Reference Elevations: 2442.00 ft (KB)

Total Depth: 3910.00 ft (KB) (TVD)

2434.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8356 Outside

Press @ Run Depth: psig @ 3869.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.30

End Date: 2013.05.30

Last Calib.: 2013.05.30

Start Time: 12:35:05

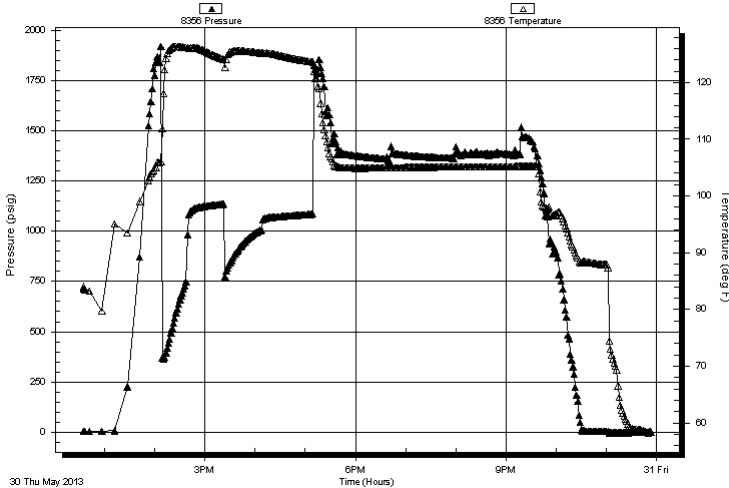
End Time: 23:53:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 IF - BoB @ 1 min
45 ISI - BoB @ 5 mins
45 FF - BoB @ 1 min
60 FSI - BoB @ 1 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
2927.00	GO - 15%G - 85%o	36.85

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52682

DST#: 5

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.30 @ 12:35:00

Tool Information

Drill Pipe:	Length: 3850.00 ft	Diameter: 3.60 inches	Volume: 48.47 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 48.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3868.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3841.00	
Shut In Tool	5.00			3846.00	
Hydraulic tool	5.00			3851.00	
Jars	5.00			3856.00	
Safety Joint	3.00			3859.00	
Packer	5.00			3864.00	28.00 Bottom Of Top Packer
Packer	4.00			3868.00	
Packer - Shale	0.00			3868.00	
Stubb	1.00			3869.00	
Recorder	0.00	8373	Outside	3869.00	
Recorder	0.00	8356	Outside	3869.00	
Perforations	36.00			3905.00	
Bullnose	5.00			3910.00	42.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

21-8s-25w Graham,KS

7701 E Kellogg DR STE 710
Wichita, KS 67207

Mowry Trust #1-21

Job Ticket: 52682

DST#: 5

ATTN: Sean Deenihan / Pat

Test Start: 2013.05.30 @ 12:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

45.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2927.00	GO - 15%G - 85%o	36.850

Total Length: 2927.00 ft Total Volume: 36.850 bbl

Num Fluid Samples: 0

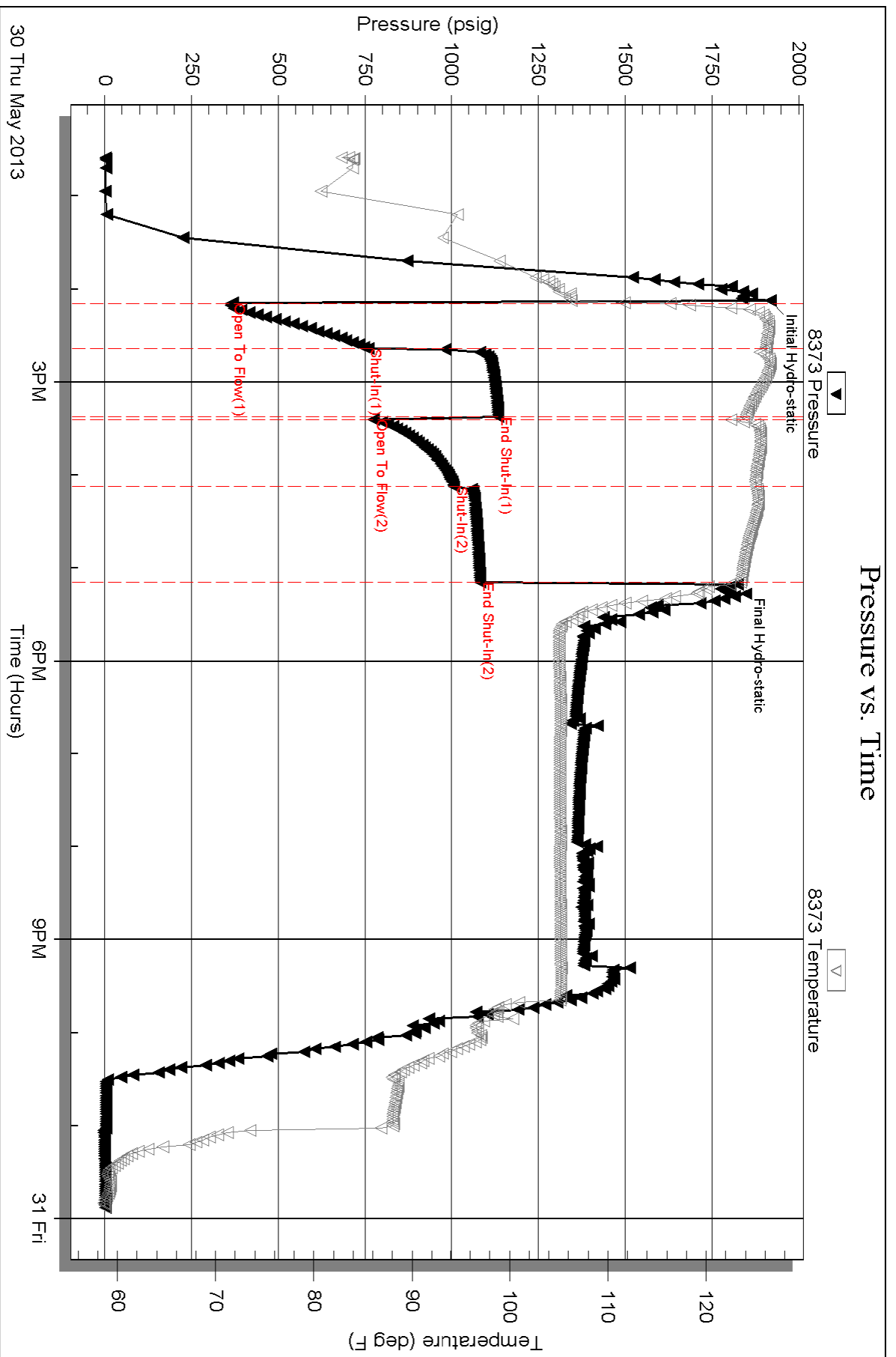
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: OIL API = 48 @ 82 DEG F = 45.8 @ 60 COR
913' GIP

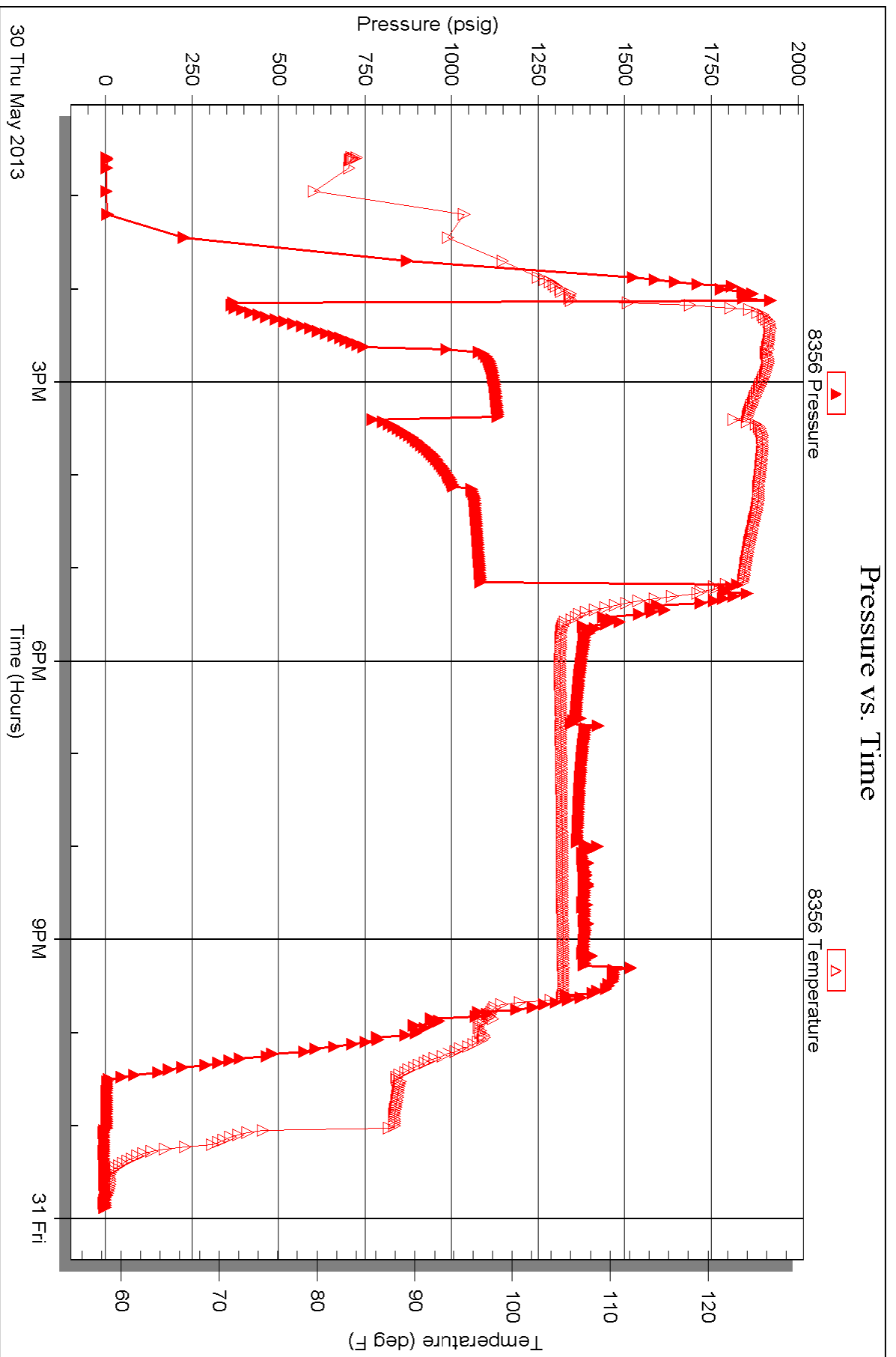


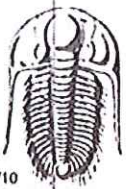
Serial #: 8356

Outside Red Oak Energy, Inc.

Mowry Trust #1-21

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49132

Well Name & No. Mowry Test #1-21 Test No. 1 Date 5/28/13
 Company Red Oak Energy, Inc. Elevation 2442 KB 2431 GL
 Address 7701 E Kellogg DR STE 710 Wichita, KS 67207
 Co. Rep / Geo. Sean Deenihan Rig Maverick #108
 Location: Sec. 21 Twp. 8S Rge. 25W Co. Graham State KS

Interval Tested 3722-3775 Zone Tested "B"
 Anchor Length 53' Drill Pipe Run 3725 Mud Wt. 8.9
 Top Packer Depth 3718 Drill Collars Run Ø Vis 44
 Bottom Packer Depth 3722 Wt. Pipe Run Ø WL 8.0
 Total Depth 3775 Chlorides 1200 ppm System LCM 2
 Blow Description IF:
ISL: Packer Failure
FF:
FSL:

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic Test 950 T-On Location 00:30
 (B) First Initial Flow Jars 250 T-Started 1:42
 (C) First Final Flow N/A Safety Joint 75 T-Open N/A
 (D) Initial Shut-In N/A Circ Sub NK T-Pulled N/A
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 7:15
 (F) Second Final Flow _____ Mileage 220 R/T Comments _____
126rt 196.30
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1470.30

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1470.30
 MP/POST Disc't _____

Approved By _____ Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49133

Well Name & No. Mowry Test #1-21 Test No. 2 Date 5/28/13
 Company Red Oak Energy, Inc Elevation 2442 KB 2434 GL
 Address 7701 E Kellogg DR STE 710 Wichita, KS 67207
 Co. Rep / Geo. Sean Deenihan Rig Maverick #108
 Location: Sec. 21 Twp. 8S Rge. 2SW Co. Graham State KS

Interval Tested 3746 - 3775 Zone Tested "B"
 Anchor Length 35' Drill Pipe Run 3722 Mud Wt. 8.9
 Top Packer Depth 3736 Drill Collars Run Ø Vis 44
 Bottom Packer Depth 3740 Wt. Pipe Run Ø WL 8.0
 Total Depth 3775 Chlorides 1000 ppm System LCM Ø

Blow Description IF: BoB @ 18 min.
ISI: Bled off 4 min. No Return.
FF: BoB @ 16. min.
FSI: Bled off 4 min. 1/2" Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Go</u>	<u>30</u>	<u>70</u>		
<u>90</u>	<u>GoCM</u>	<u>20</u>	<u>30</u>		<u>50</u>
<u>270'</u>	<u>GIP</u>				

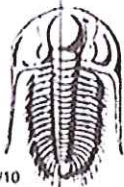
Rec Total 150' BHT 121 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1838</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>00:30</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:42</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:33</u>
(D) Initial Shut-In <u>1038</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>12:37</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:18</u>
(F) Second Final Flow <u>80</u>	<input checked="" type="checkbox"/> Mileage <u>22 RTT</u>	Comments <u>34 @ 90° = 31</u>
(G) Final Shut-In <u>1014</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1810</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby	Total <u>1475</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1475</u>	

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Approved By _____ Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49134

Well Name & No. Mowry Trust #1-21 Test No. 3 Date 5/29/13
 Company Red Oak Energy, Inc. Elevation 2442 KB 2434 GL
 Address 7701 E Kellogg DR STE 710 Wichita, KS 67207
 Co. Rep / Geo. Sean Deenihan Rig Maverick #108
 Location: Sec. 21 Twp. 8S Rge. 25W Co. Graham State KS

Interval Tested 3786-3846 Zone Tested "G"
 Anchor Length 60' Drill Pipe Run 3788 Mud Wt. 9.1
 Top Packer Depth 3782 Drill Collars Run Ø Vis 52
 Bottom Packer Depth 3786 Wt. Pipe Run Ø WL 7.8
 Total Depth 3846 Chlorides 1200 ppm System LCM 2

Blow Description IF: BoB 6 min.
IS: Bled off 5 min. 2" Return.
FP: BoB 5 min.
FS: Bled off 5 min. 9" Return

Rec	Feet of	%gas	%oil	%water	%mud
70	60	40	60		
180	60 WCM	20	15	5	60
220	60 WCM	5	5	40	50
180	MW			80	20
240	MW			95	5

Rec Total 790 BHT 123 Gravity 31 API RW .089 @ 80 °F Chlorides 71000 ppm

(A) Initial Hydrostatic	<u>1869</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>2:30</u>
(B) First Initial Flow	<u>26</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>3:52</u>
(C) First Final Flow	<u>169</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>5:55</u>
(D) Initial Shut-In	<u>1024</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>8:49</u>
(E) Second Initial Flow	<u>180</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>11:01</u>
(F) Second Final Flow	<u>349</u>	<input checked="" type="checkbox"/> Mileage	<u>220 R/T</u> 195.30	Comments	<u>33 @ 80": 31 Gravity</u>
(G) Final Shut-In	<u>1008</u>	<input type="checkbox"/> Sampler			<u>Loaded tools</u>
(H) Final Hydrostatic	<u>1805</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>45</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby		Total	<u>1670.30</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1670.30</u>		

Approved By Patrick Deenihan

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52681

Well Name & No. ~~2434~~ Mowry Trust 1-21 Test No. 04 Date 5/29/13
 Company Red Oak Energy Inc. Elevation 2442 KB 2434 GL
 Address 7701 E. Kellogg DR STE 710 Wichita, KS 67207
 Co. Rep / Geo. Pat Deenihan Rig Maverick 108
 Location: Sec. 21 Twp. 8S Rge. 25W Co. Graham State KS

Interval Tested 3840-3870 Zone Tested LKC "H"
 Anchor Length 30' Drill Pipe Run 3818' Mud Wt. 9.0
 Top Packer Depth 3835 Drill Collars Run 0' Vis 53
 Bottom Packer Depth 3840 Wt. Pipe Run 0' WL 7.2
 Total Depth 3870 Chlorides 1300 ppm System LCM 2

Blow Description IF - Surface blow built to 4"
ISI - No return
FF - 1 1/2" built to BoB @ 45 mins
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>25'</u>	<u>GOCM</u>	<u>10</u>	<u>25</u>	<u>65</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25' BHT 1150 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1921</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>17:45</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:38</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:03</u>
(D) Initial Shut-In <u>208</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>01:03</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:01</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>126 RT</u> 195.30	Comments <u>99' GIP</u>
(G) Final Shut-In <u>892</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1879</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1920.30</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1920.30</u>	

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52682

4/10

Well Name & No. Mowry Trust #1-21 Test No. 5 Date 5/30/13
 Company Red Oak Energy, Inc. Elevation 2442 KB 2434 GL
 Address 7701 E. Kellogg DR STE 710 Wichita, KS 67207
 Co. Rep / Geo. Pat Deenihan Rig Maverick 108
 Location: Sec. 21 Twp. 8S Rge. 25W Co. Graham State KS

Interval Tested 3868-3910 Zone Tested LKC "I-J"
 Anchor Length 42' Drill Pipe Run 3850' Mud Wt. 9.0
 Top Packer Depth 3863 Drill Collars Run 0' Vis 55
 Bottom Packer Depth 3868 Wt. Pipe Run 0' WL 7.2
 Total Depth 3910 Chlorides 1400 ppm System LCM 02

Blow Description IF - BoB @ 1 min
ISI - BoB @ 5 min
FF - BoB @ 1 min
FSI - BoB @ 1 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>2927'</u>	<u>60</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2927' BHT 125° Gravity 45.8 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1919 Test 1150 T-On Location 12:15
 (B) First Initial Flow 365 Jars 250 T-Started 12:35
 (C) First Final Flow 758 Safety Joint 75 T-Open 14:07
 (D) Initial Shut-In 1136 Circ Sub used 50 T-Pulled 17:07
 (E) Second Initial Flow 774 Hourly Standby x 3.5 325 T-Out 00:35
 (F) Second Final Flow 1008 Mileage 126 RT 195.30 Comments Gas to Surface
 (G) Final Shut-In 1083 Sampler — 913' GIP
 (H) Final Hydrostatic 1825 Straddle —
 Ruined Shale Packer —
 Ruined Packer —

Initial Open 30 Extra Packer — Extra Copies —
 Initial Shut-In 45 Extra Recorder — Sub Total 0
 Final Flow 45 Day Standby — Total 2295.30
 Final Shut-In 60 Accessibility — MP/DST Disc't —
 Sub Total 2295.30

Approved By _____ Our Representative [Signature]

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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/>

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

Sam Brownback, Governor

June 12, 2013

Debby Rogers
Red Oak Energy, Inc.
7701 E KELLOGG DR STE 710
PO BOX 783140
WICHITA, KS 67207-1738

Re: ACO1
API 15-065-23919-00-00
Mowry Trust 1-21
SW/4 Sec.21-08S-25W
Graham 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,
Debby Rogers

ALLIED OIL & GAS SERVICES, LLC

060300

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley

DATE <u>5/23/13</u>	SEC <u>21</u>	TWP <u>8</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30 Pm</u>	JOB FINISH <u>1:05 Pm</u>
LEASE <u>Truyst</u>	WELL # <u>1-21</u>	LOCATION <u>Morland 3W-15-1E-15</u>		COUNTY <u>Seaboard</u>	STATE <u>Mo.</u>		
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		E into					

CONTRACTOR Marplet 108 OWNER Same

TYPE OF JOB Surface CEMENT

HOLE SIZE 12 1/4 T.D. 265
 CASING SIZE 8 7/8 DEPTH 264.25
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX DEPTH
 MEAS. LINE MINIMUM
 CEMENT LEFT IN CSG. 15' SHOE JOINT
 PERFS.
 DISPLACEMENT 15.99

EQUIPMENT

PUMP TRUCK CEMENTER Domen Ravetto
 # 120 HELPER Tyler Flipse
 BULK TRUCK
 # 566-595 DRIVER Davin Hoek.
 BULK TRUCK
 #

REMARKS: Mix 180 sks Cement
Displace with water
Cement did Circulate

Thank you.

CHARGE TO: Red Oak Energy Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 264.95'
 PUMP TRUCK CHARGE \$1512.25
 EXTRA FOOTAGE
 MILEAGE 63 @ \$7.20 \$485.11
 MANIFOLD Surge @ \$275.00
1/4 mileage @ \$4.40 \$211.20
 TOTAL \$2579.56

PLUG & FLOAT EQUIPMENT

TOTAL _____

SALES TAX (if Any) _____
 TOTAL CHARGES 2,163.01
 DISCOUNT 1,874.9 IF PAID IN 30 DAYS
6,285.51 Net

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cement 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 Mash Fanning
 SIGNATURE _____

JOB LOG

SWIFT Services, Inc.

DATE 31 MAY 13 PAGE NO.

CUSTOMER Red Oak Energy WELL NO. 1-21 LEASE Mowley Trust JOB TYPE cement log string TICKET NO. 248376

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	PUMPING	GRINDING	
						52		175 SA-2 w/ 4" Flocc 300 sk SMD @ 4" flocc
								DV tool #43 2116' 15.5x52 casing - 4007'
								21.5 hgt Centrifuge: 1, 2, 3, 4, 5, 6, 8, 10, 12
								Exp. solids 32ea - jt-1-8 Bucket 11, 13
	02130							ON LOC TRK 114
	02200							attach 32 scotchens
	02330							start 5 1/2" x 1515 # casing in well
zone 1	02130							Drop ball - circulate - RACIPROCAL
	02245	4 3/4	12			200		Pump 50 gal mach flush
		4 3/4	20			200		Pump 20 bbl KCL flush
	0253	4 3/4	43			200		Mix SA-2 cement 125 sk @ 15.3 fpg
								Drop 1 1/2" stage plug
								washout pump & line
	0313	6 3/4				200		Displace plug
		6 3/4	52			200		switch to mud
	0330	6 3/4	95			1700		Land plug - 1st stage - along pump to truck
	0335							Drop bomb
								wash truck
	0350					1100		open DV tool
	0400							circulate well
	0600	4 3/4	20			200		Pump 20 bbl KCL flush
			18					Plug RH - MH 30SK - 20SK
								MIX SMD cement 250 sk @ 11.2 fpg
								Drop 2nd stage plug (250 sk)
	0652	6 3/4				φ		Displace plug
		6 3/4	38			700		→ cement to surface
	0700	6 3/4	44			1800		LAND 2nd stage plug - close DV
								Release pressure to truck - dried up
								wash truck
								Rack up
	0715							Job complete (250 sk mixed 30 top)
								Check
								ES&S TV, Flint & Blake