

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: Bennett & Shulte Oil Company
140 W. Wichita Avenue
Russell, KS 67665

ATTN: Frank Shulte

31-15-10Ellsworth,KS

Zvolanek 31-1

Start Date: 2011.05.23 @ 10:55:07

End Date: 2011.05.23 @ 15:54:37

Job Ticket #: 42393

DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Bennett & Shulte Oil Company

Zvolanek 31-1

31-15-10Ellsworth,KS

DST # 1

Arbuckle

2011.05.23



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bennett & Shulte Oil Company

Zvolansk 31-1

140 W. Wichita Avenue
Russell, KS 67665

31-15-10 Ellsworth, KS

ATTN: Frank Shulte

Job Ticket: 42393

DST#: 1

Test Start: 2011.05.23 @ 10:55:07

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	45.35 bbl	Tool Chased:	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3255.00 ft			Final:	53000.00 lb
Depth to Bottom Packer:	3261.00 ft				
Interval between Packers:	6.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3228.00	
Shut In Tool	5.00			3233.00	
Hydraulic tool	5.00			3238.00	
Jars	5.00			3243.00	
Safety Joint	2.00			3245.00	
Packer	5.00			3250.00	28.00 Bottom Of Top Packer
Packer	5.00			3255.00	
Stub	1.00			3256.00	
Perforations	1.00			3257.00	
Recorder	0.00	8673	Inside	3257.00	
Recorder	0.00	6668	Outside	3257.00	
Blank Off Sub	1.00			3258.00	
Blank Spacing	3.00			3261.00	6.00 Tool Interval
Packer	1.00			3262.00	
Recorder	0.00	6755	Below	3262.00	
Change Over Sub	1.00			3263.00	
Blank Spacing	31.00			3294.00	
Change Over Sub	1.00			3295.00	
Perforations	2.00			3297.00	
Anchor	3.00			3300.00	39.00 Bottom Packers & Anchor
Total Tool Length:		73.00			

Ref. No: 42393

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DRILL STEM TEST REPORT

FLUID SUMMARY

Bennett & Shulte Oil Company

Zvolanek 31-1

140 W Wichita Avenue
Russell, KS 67665

31-15-10 Ellsworth, KS

Job Ticket: 42393

DST#: 1

ATTN: Frank Shulte

Test Start: 2011.05.23 @ 10:55:07

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohmm

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil AFI:

Water Salinity:

36 deg AFI

16000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
780.00	M/W/Oil Scum	10.941
180.00	OCMV-20%O-75%W-5%MI	2.525
135.00	Free Oil	1.894

Total Length: 1095.00 ft

Total Volume: 15.360 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

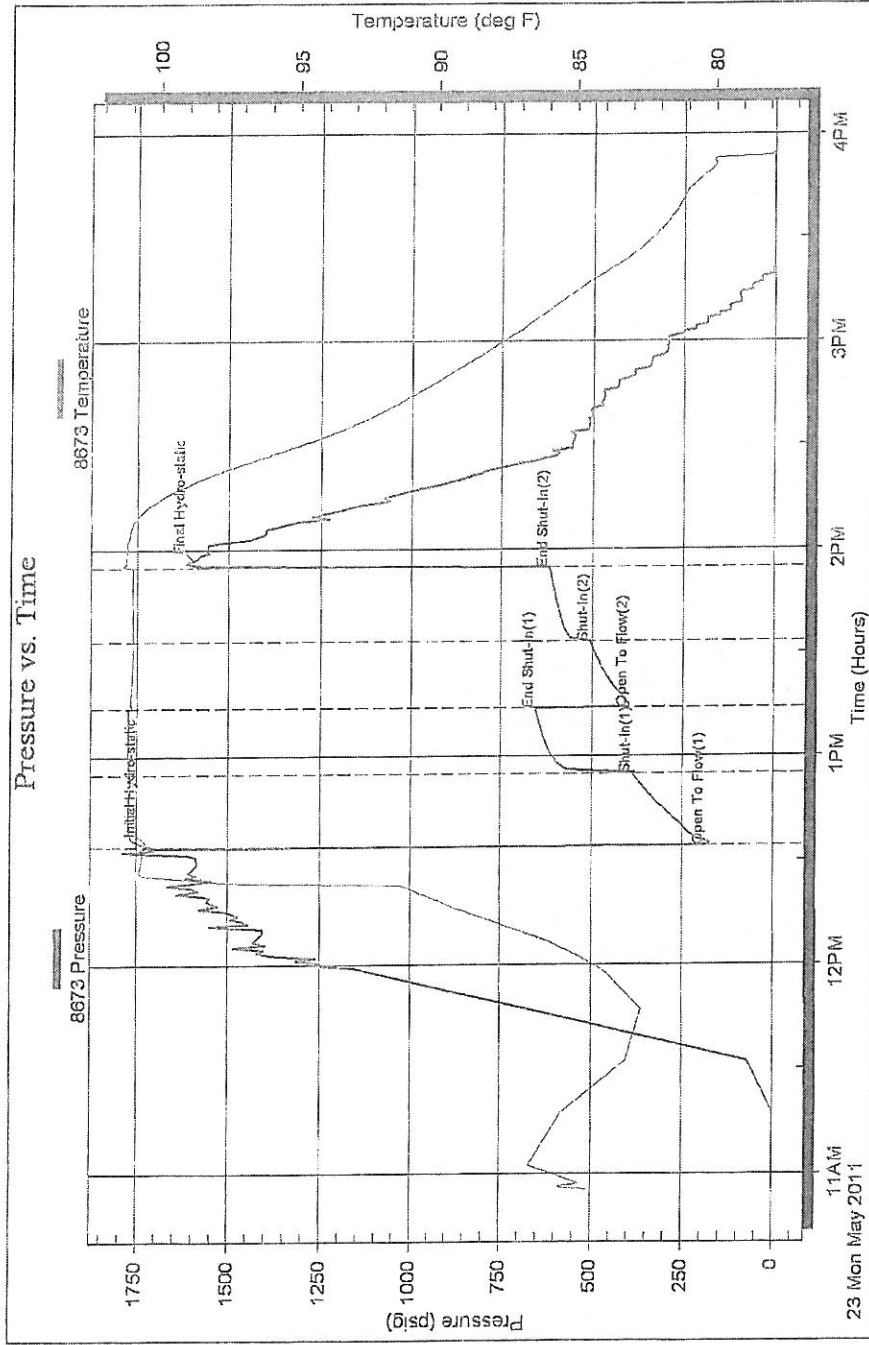
Serial #: 8673

Inside

Bennett & Shulte Oil Company

31-15-10Elsworth, KS

CST Test Number: 1



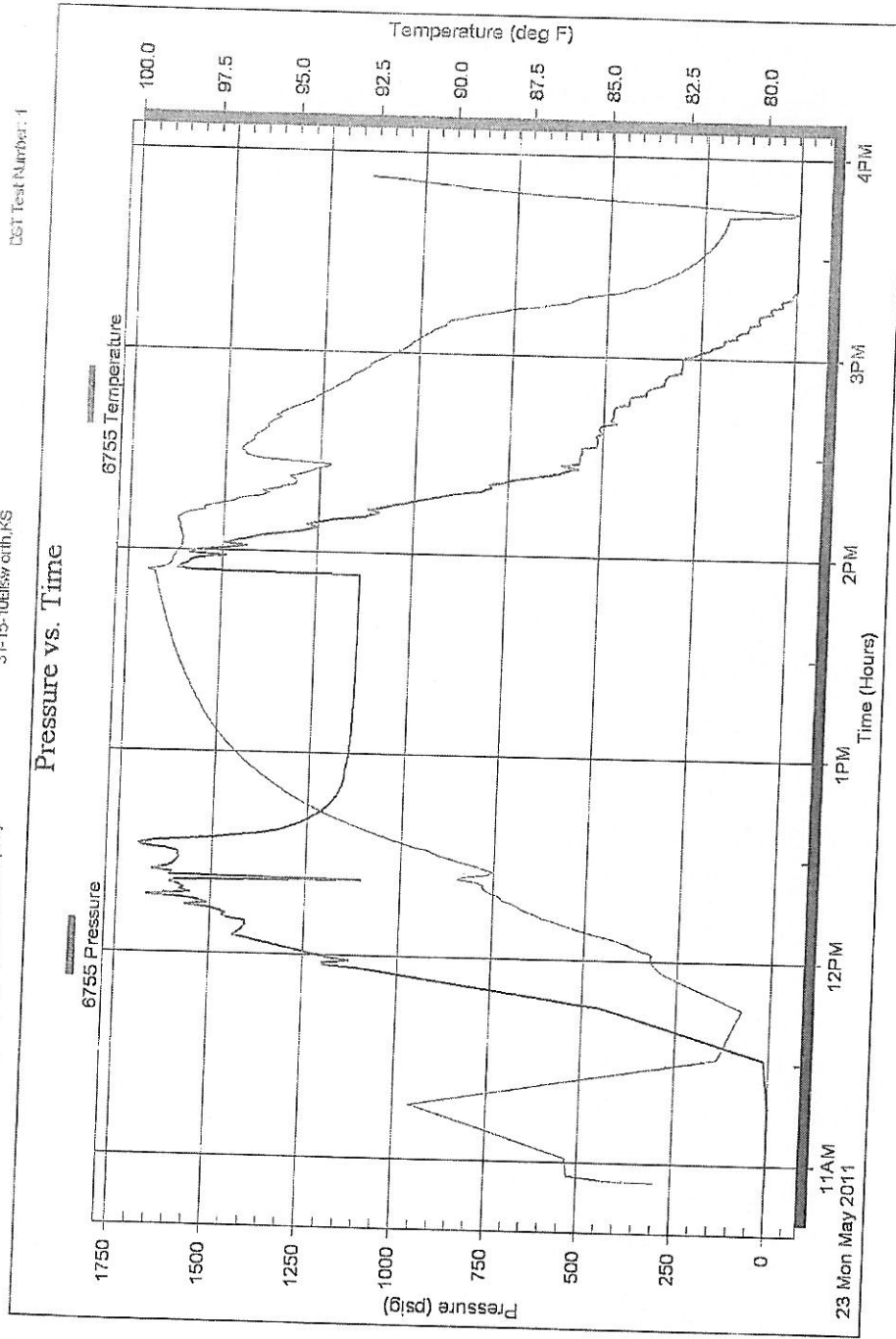
Serial #: 6755

Eslow (Stratight & Shuttle Oil Company

31-15-10B/5w orth KS

DOT Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

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Bennett & Shulte Oil Company

ATTN: Frank Shulte

Zvolanek 31-1

31-15-10 Ellsworth, KS

Job Ticket: 42393

EST#: 1

Test Start: 2011.05.23 @ 10:55:07

GENERAL INFORMATION:

Formation: Arbusckis
Deviated: No Whipslock ft (KB)
Time Tool Opened: 12:34:07
Time Test Ended: 15:54:37

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No. 54

Interval: 3255.00 ft (KB) To 3261.00 ft (KB) (TVD)

Total Depth: 3300.00 ft (KB) (TVD)

Reference Elevations: 1759.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition: Good

1752.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6755 Below (Straddle)

Press@RunDepth: psig @ 3262.00 ft (KB)

Capacity: 8000.00 psia

Start Date: 2011.05.23

End Date:

2011.05.23

Last Calib.:

2011.05.23

Start Time: 10:54:01

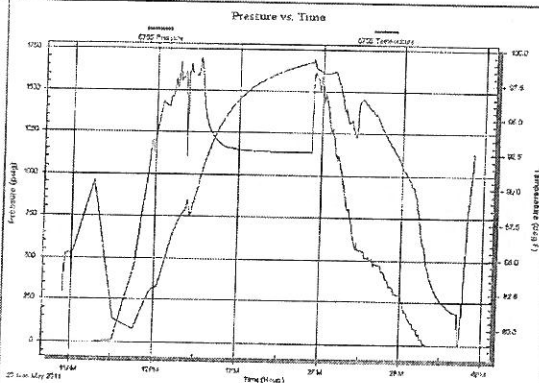
End Time:

15:52:29

Time On Blot

Time Off Btmg

TEST COMMENT: IFF-Strong, BOB in 1-1/2 Min.
ISI-Dead
FFF-Strong, BOB in 2-1/2 Min.
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
780.00	M/W/Oil Scum	10.94
180.00	OCMV-20%O-75%W-5%M	2.52
135.00	Free Oil	1.89

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TALOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bennett & Shulte Oil Company

140 W Wichita Avenue
Russell, KS 67665

ATTN: Frank Shulte

GENERAL INFORMATION:

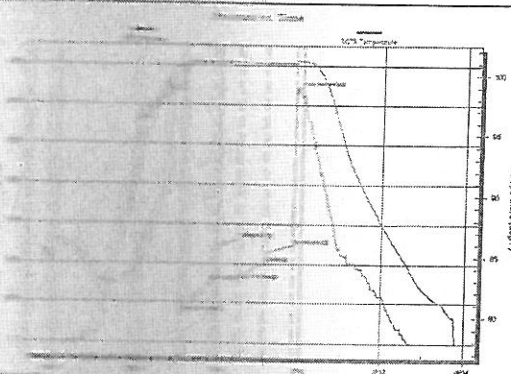
Location: Antelope
County: No. Whipstock
Well Name: 22240T
Well Depth: 1554.37
Interval: 3261.00 ft (KB) To 3261.00 ft (KB) (TVD)
Total Depth: 3261.00 ft (KB) (TVD)
Well Condition: 7.55 inches Hole Condition: Good

Section: 1554.37
Pressure: 105.35 psig @ 3257.00 ft (KB)
Date: 2011.05.23
Time: 10:55:03

End Date: 2011.05.23
End Time: 15:54:37

Depth: 3257.00 psig
Last Date: 2011.05.23
Time On Site: 2011.05.23 @ 12:50:37
Time Off Site: 2011.05.23 @ 15:55:07

Test Results: 1-1/2 Min.
2-1/2 Min.
3-1/2 Min.
4-1/2 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.52	100.00	Initial Pressure
1	167.31	100.00	Open to Flow
22	387.47	100.00	Stabilized
41	654.22	100.00	End of Test
41	396.60	100.00	Open to Flow
60	505.89	100.00	Stabilized
81	616.91	100.00	End of Test
82	1582.14	100.00	Final Pressure

Pressure	Volume (bbl)
105.35	10.94
105.35	2.52
105.35	1.89

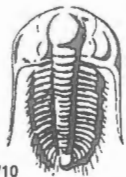
Gas Rates

Observed	Pressure (psig)	Gas Rate (Mcf/d)
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Talobite Testing, Inc.

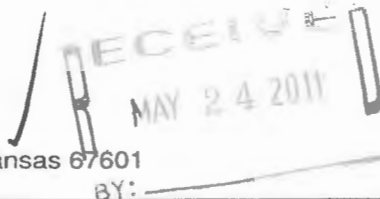
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**TRIBOLITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601



Test Ticket

NO. 042393 15802

Well Name & No. Zakolanc 31-1 Test No. 1 Date 5-23-11
 Company Bennett & Shulte Oil Company Elevation 1759 KB 1752 GL
 Address 140 W. Wichita Ave, Russell, KS. 67665
 Co. Rep / Geo. Frank Schulte Rig Royal #2
 Location: Sec. 31 Twp. 15s Rge. 10w Co. Ellsworth State KS

Interval Tested 3255-3261 Zone Tested Arbuckle
 Anchor Length 6' Drill Pipe Run 3197 Mud Wt. 9.4
 Top Packer Depth 3250 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3255 straddle @ 3261 Wt. Pipe Run 0 WL 8.8
 Total Depth 3300 RTD Chlorides 4,000 ppm System LCM 1 #

Blow Description IFP - Strong, BOB in 1 1/2 min.

FSI - Dead

FFP - Strong, BOB in 2 1/2 min.

FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
135	Free Oil				
180	OCMW				
780	MW / with oil scum				

Rec Total 1095 BHT 101° Gravity 36 API RW 327 @ 88° F Chlorides 16,000 ppm

(A) Initial Hydrostatic <u>1712</u>	☒ Test <u>1125-</u>	T-On Location <u>10:00</u>
(B) First Initial Flow <u>187</u>	☒ Jars <u>250-</u>	T-Started <u>10:53</u>
(C) First Final Flow <u>387</u>	☒ Safety Joint <u>75-</u>	T-Open <u>12:33</u>
(D) Initial Shut-In <u>654</u>	☐ Circ Sub	T-Pulled <u>13:53</u>
(E) Second Initial Flow <u>397</u>	☐ Hourly Standby	T-Out <u>15:55</u>
(F) Second Final Flow <u>506</u>	☒ Mileage <u>116 rt 110240</u>	Comments
(G) Final Shut-In <u>617</u>	☐ Sampler	
(H) Final Hydrostatic <u>1582</u>	☒ Straddle <u>600-</u>	

Initial Open 20
 Initial Shut-In 20
 Final Flow 20
 Final Shut-In 20

Sub Total 2212.40

Approved By

Our Representative

Tribolite 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.

Thank you