



## DRILL STEM TEST REPORT

Prepared For: **Berexco LLC**

2020 N Bramblewood  
Wichita, KS 67206

ATTN: Ed Grieves

**19-26s-33w Finney,KS**

**Stone #1-19**

Start Date: 2011.07.02 @ 02:00:15

End Date: 2011.07.02 @ 12:14:45

Job Ticket #: 43163                      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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**TRILOBITE TESTING, INC.**

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 2020 N Bramblewood  
 Wichita, KS 67206  
 ATTN: Ed Grieves

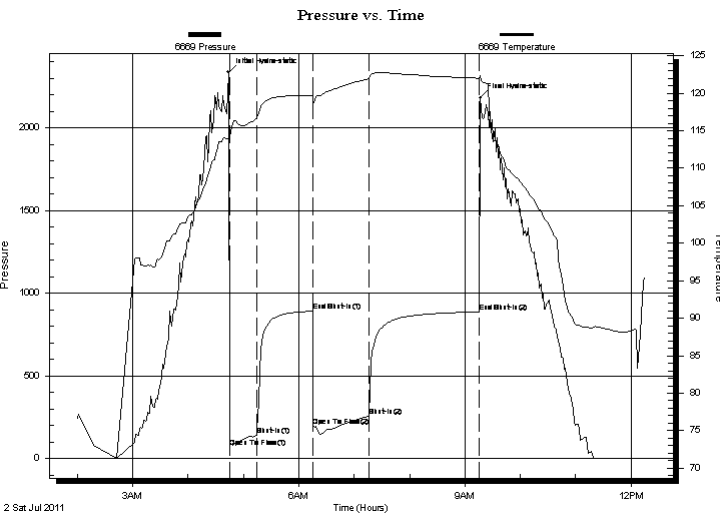
**Stone #1-19**  
**19-26s-33w Finney,KS**  
 Job Ticket: 43163 **DST#: 4**  
 Test Start: 2011.07.02 @ 02:00:15

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:45:00  
 Time Test Ended: 12:14:45  
 Interval: **4544.00 ft (KB) To 4558.00 ft (KB) (TVD)**  
 Total Depth: 4558.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Mike Roberts  
 Unit No: 48  
 Reference Elevations: 2937.00 ft (KB)  
 2925.00 ft (CF)  
 KB to GR/CF: 12.00 ft

**Serial #: 6669 Inside**  
 Press @ Run Depth: 258.26 psig @ 4545.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.07.02 End Date: 2011.07.02 Last Calib.: 2011.07.03  
 Start Time: 02:00:15 End Time: 12:14:45 Time On Btm: 2011.07.02 @ 04:43:30  
 Time Off Btm: 2011.07.02 @ 09:16:30

**TEST COMMENT:** IF:BOB in 20 Sec.  
 IS:Bled off BOB in 3 min gas to surface...died to 6" blow  
 FF:BOB in 3 min. gas to surface  
 FS:Bled off for 10 min.. BOB in 3 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.58	113.91	Initial Hydro-static
2	70.63	114.11	Open To Flow (1)
31	143.16	116.65	Shut-In(1)
92	892.05	119.69	End Shut-In(1)
92	195.14	119.21	Open To Flow (2)
153	258.26	121.93	Shut-In(2)
272	887.56	122.00	End Shut-In(2)
273	2180.35	122.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	w mwg 3%w 10%m 12%o 75%g	0.91
186.00	mcgo 20%m 40%g 40%o	0.91
279.00	gco 30%g 70%o	1.44
93.00	mcgo 5%m 45%g 50%o	1.30
93.00	free oil 100%o	1.30
0.00	GIP= 3720 feet	0.00

## Gas Rates

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



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**TOOL DIAGRAM**

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## Tool Information

Drill Pipe:	Length: 3889.00 ft	Diameter: 3.80 inches	Volume: 54.55 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: 643.00 ft	Diameter: 2.25 inches	Volume: 3.16 bbl	Weight to Pull Loose:	110000.0 lb
			<u>Total Volume: 57.71 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	96000.00 lb
Depth to Top Packer:	4544.00 ft			Final	97000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	35.00 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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Shut In Tool	5.00			4528.00	
Hydraulic tool	5.00			4533.00	
Safety Joint	2.00			4535.00	
Packer	5.00			4540.00	21.00 Bottom Of Top Packer
Packer	4.00			4544.00	
Stubb	1.00			4545.00	
Recorder	0.00	6669	Inside	4545.00	
Recorder	0.00	8358	Inside	4545.00	
Perforations	8.00			4553.00	
Bullnose	5.00			4558.00	14.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>35.00</b>				



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	w mog 3%w 10%m 12%o 75%g	0.915
186.00	mcgo 20%m 40%g 40%o	0.915
279.00	gco 30%g 70%o	1.445
93.00	mcgo 5%m 45%g 50%o	1.305
93.00	free oil 100%o	1.305
0.00	GIP= 3720 feet	0.000

Total Length: 837.00 ft

Total Volume: 5.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GIP= 3720 feet

### Pressure vs. Time

