



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Russell Oil Inc.
PO Box 8050
Edmond OK 73083
ATTN: Kit Noah

14-15s-14w-Russell Co.
Addington 'A' #3-14
Job Ticket: 58939 **DST#: 1**
Test Start: 2014.05.30 @ 22:00:16

GENERAL INFORMATION:

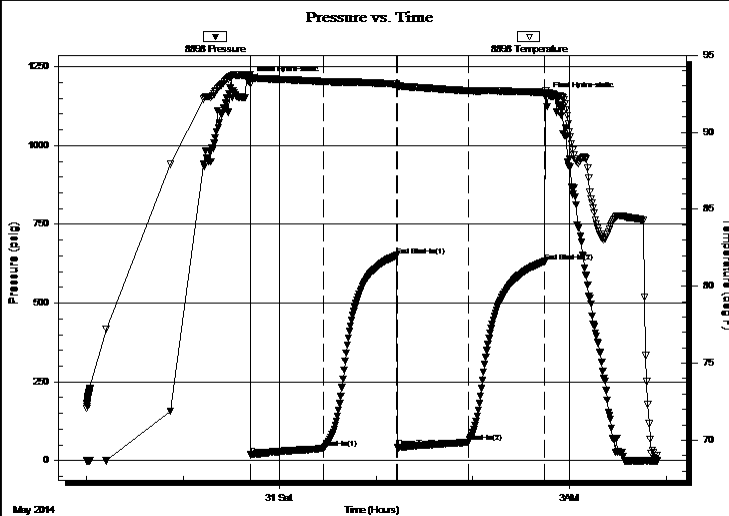
Formation: **Tarkio 1st and 2nd**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:41:46
Time Test Ended: 03:54:36
Interval: **2447.00 ft (KB) To 2497.00 ft (KB) (TVD)**
Total Depth: 2497.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Tate Lang
Unit No: 49
Reference Elevations: 1894.00 ft (KB)
1885.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8898

Outside

Press @ Run Depth: 57.48 psig @ 2457.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.30 End Date: 2014.05.31 Last Calib.: 2014.05.31
Start Time: 22:00:17 End Time: 03:54:36 Time On Btm: 2014.05.30 @ 23:41:36
Time Off Btm: 2014.05.31 @ 02:45:16

TEST COMMENT: Strong blow built to 10 in
Dead no blow back
B.O.B. in 30 mins
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1205.89	93.76	Initial Hydro-static
1	18.21	93.13	Open To Flow (1)
46	38.41	93.29	Shut-In(1)
91	650.81	93.13	End Shut-In(1)
92	42.85	92.99	Open To Flow (2)
136	57.48	92.69	Shut-In(2)
183	632.18	92.58	End Shut-In(2)
184	1155.90	92.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	100%O	0.03
30.00	OCM 20%O 80%M	0.42
62.00	MCW 40%M 60%W	0.87
0.00	90 GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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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:	38000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100%O	0.028
30.00	OCM 20%O 80%M	0.421
62.00	MCW 40%M 60%W	0.870
0.00	90 GIP	0.000

Total Length: 94.00 ft Total Volume: 1.319 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

