



DRILL STEM TEST REPORT

Prepared For: **Coral CoastPetroleum**

8100 E 22nd St N Wichita KS 67226

ATTN: Derek Patterson

Stephens #9

21-32s-21w Clark

Start Date: 2013.07.08 @ 18:41:00

End Date: 2013.07.09 @ 05:12:30

Job Ticket #: 17004 DST #: 1

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

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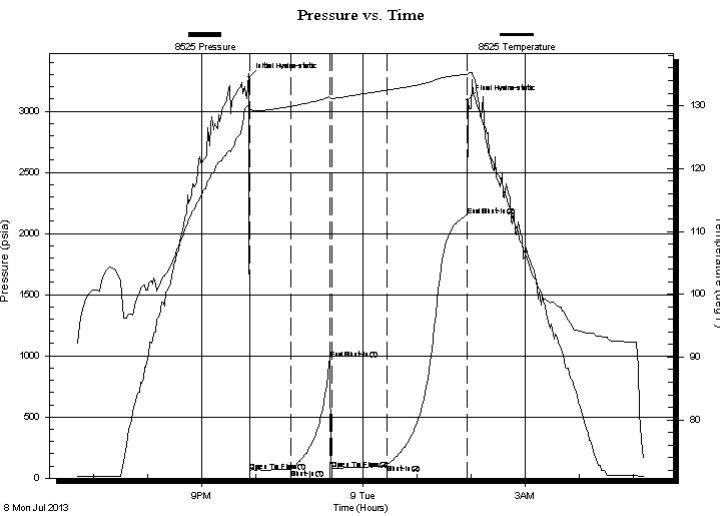
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 21:54:30 Tester: Jared Scheck
 Time Test Ended: 05:12:30 Unit No: 3320-Great Bend-
 Interval: **6442.00 ft (KB) To 6472.00 ft (KB) (TVD)** Reference Elevations: 2132.00 ft (KB)
 Total Depth: 6472.00 ft (KB) (TVD) 2122.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8525

Press@RunDepth: 2149.05 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.07.08 End Date: 2013.07.09 Last Calib.: 2013.07.09
 Start Time: 18:41:00 End Time: 05:13:30 Time On Btm: 2013.07.08 @ 21:52:30
 Time Off Btm: 2013.07.09 @ 01:56:00

TEST COMMENT: 1st Opening 45 Minutes-Weak blow built bottom of bucket in 29 minutes flushed tool 5 minutes into open
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 2 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	3278.59	130.29	Initial Hydro-static
1	55.72	129.61	Open To Flow (1)
47	73.77	129.88	Shut-In(1)
90	975.54	131.45	End Shut-In(1)
92	73.84	131.17	Open To Flow (2)
154	113.06	132.47	Shut-In(2)
243	2149.05	135.00	End Shut-In(2)
244	3093.34	135.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	gas oil w ater cut mud	0.56
0.00	10% gas 10% oil 10% w ater 70% mud	0.00
60.00	gas oil w ater cut mud	0.84
0.00	10% gas 10% oil 30% w ater 50% mud	0.00
0.00	480 gas in pipe	0.00
0.00	chlorides 80,000 resistivity .8@65degree	0.00

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 6441.00 ft	Diameter: 3.80 inches	Volume: 90.35 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 90.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 95000.00 lb
Depth to Top Packer:	6442.00 ft			Final 95000.00 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: ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			6419.00	
Hydraulic Tool	5.00			6424.00	
Jars	6.00			6430.00	
Safety Joint	2.00			6432.00	
Packer	5.00			6437.00	28.00 Bottom Of Top Packer
Packer	5.00			6442.00	
Anchor	25.00			6467.00	
Recorder	1.00	6731	Inside	6468.00	
Recorder	1.00	8525	Outside	6469.00	
Bullnose	3.00			6472.00	30.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



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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:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 7900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	gas oil w ater cut mud	0.561
0.00	10% gas 10% oil 10% w ater 70% mud	0.000
60.00	gas oil w ater cut mud	0.842
0.00	10% gas 10% oil 30% w ater 50% mud	0.000
0.00	480 gas in pipe	0.000
0.00	chlorides 80,000 resistivity .8@65degree	0.000

Total Length: 100.00 ft Total Volume: 1.403 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: ruined packer

