DRILL STEM TEST REPORT

Sonoma Resources LLC

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El Dorado, Kansas 67042

ATTN: Bill Stout

22/26S/8E/Greenwood

CoFrank Ranch #2

Job Ticket: 18271 **DST#: 2**

Test Start: 2014.06.16 @ 19:35:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:23:30
Time Test Ended: 02:04:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/312

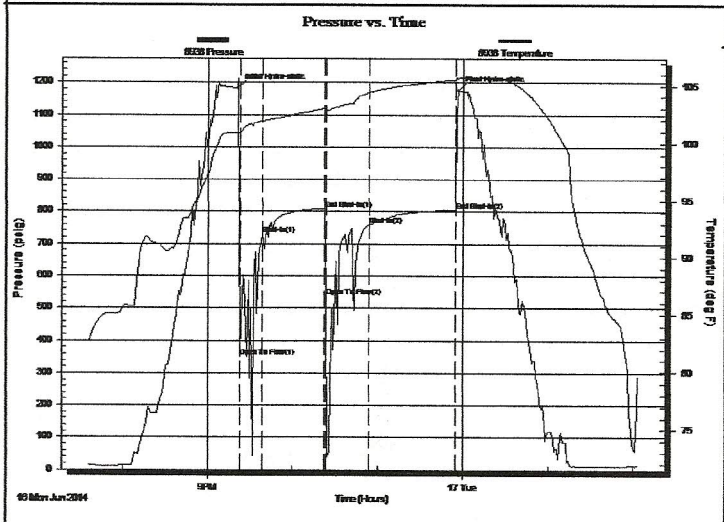
Interval: 2420.00 ft (KB) To 2435.00 ft (KB) (TVD)
Total Depth: 2435.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 1372.00 ft (KB)
1365.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8938 **Outside**

Press@RunDepth:	805.36 psig @	2432.00 ft (KB)		Capacity:	5000.00 psig
Start Date:	2014.06.16	End Date:	2014.06.17	Last Calib.:	2014.06.17
Start Time:	19:35:00	End Time:	02:04:00	Time On Btm:	2014.06.16 @ 21:21:00
				Time Off Btm:	2014.06.16 @ 23:56:30

TEST COMMENT:
1ST Open 15 Minutes/Weak surface blow /Blow died in 10 minutes
1ST Shut In 45 Minutes/No blow back
2ND Open 30 Minutes/After 4 minutes open weak surface blow lasted 2 minutes then dead
2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1182.67	100.88	Initial Hydro-static
2	351.01	100.83	Open To Flow (1)
18	728.22	101.92	Shut-In(1)
62	808.43	103.02	End Shut-In(1)
63	537.06	103.00	Open To Flow (2)
93	758.34	104.37	Shut-In(2)
154	805.36	105.51	End Shut-In(2)
156	1176.11	105.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud with show of oil in tool/Mud 100%	0.05

Gas Rates

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