



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Robert F Hembree
P. O. Box 542
Ness City KS 67560-0542
ATTN: Clint Musgrove

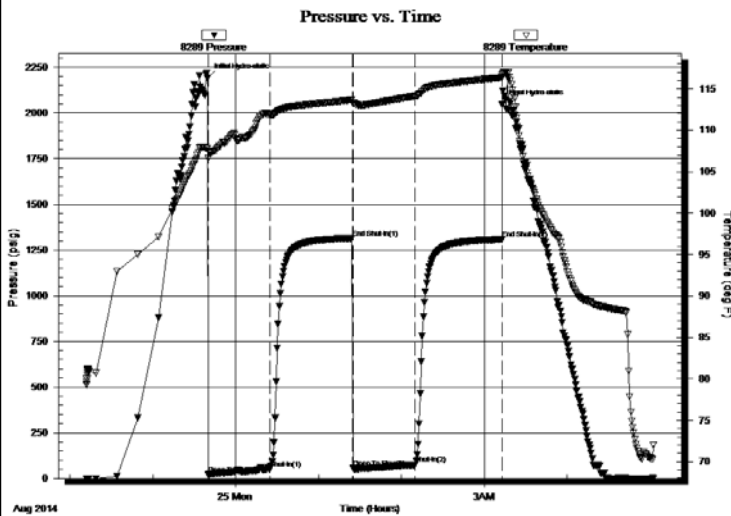
35 18s 24w Ness
Schwartzkopf K 2
Job Ticket: 56136 **DST#: 2**
Test Start: 2014.08.24 @ 22:12:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:40:00
Time Test Ended: 05:02:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 76
Interval: **4300.00 ft (KB) To 4343.00 ft (KB) (TVD)**
Reference Elevations: 2322.00 ft (KB)
Total Depth: 4343.00 ft (KB) (TVD) 2314.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8289 **Outside**
Press@RunDepth: 74.78 psig @ 4308.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.08.24 End Date: 2014.08.25 Last Calib.: 2014.08.25
Start Time: 22:12:02 End Time: 05:02:15 Time On Btm: 2014.08.24 @ 23:39:45
Time Off Btm: 2014.08.25 @ 03:12:45

TEST COMMENT: 45-IFP- Surface Blow Building to 7in.
60-ISIP- No Blow
45-FFP- Surface Blow Building to 8in.
60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2190.39	107.77	Initial Hydro-static
1	21.40	106.60	Open To Flow(1)
45	49.32	111.88	Shut-In(1)
105	1314.62	113.66	End Shut-In(1)
105	55.34	113.21	Open To Flow(2)
150	74.78	114.14	Shut-In(2)
213	1308.80	116.35	End Shut-In(2)
213	2043.87	116.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume(bbl)
30.00	WOCM 10%w 30%o 60%m	0.42
38.00	WMCO 5%w 20%m 75%o	0.53
67.00	CO 100%	0.94
0.00	52 GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.56 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5200.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WOCM 10%w 30%o 60%m	0.421
38.00	WMCO 5%w 20%m 75%o	0.533
67.00	CO 100%	0.940
0.00	52 GIP	0.000

Total Length: 135.00 ft Total Volume: 1.894 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8289

Outside

Robert F Hembree

Schwartzkopf K 2

DST Test Number: 2

