



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Trek AEC, LLC
 155 N Market Ste 710
 Wichita, KS 67202
 ATTN: Doug Davis

Sec. 4-8s-18w Rooks, KS

Hy Ground #1-4

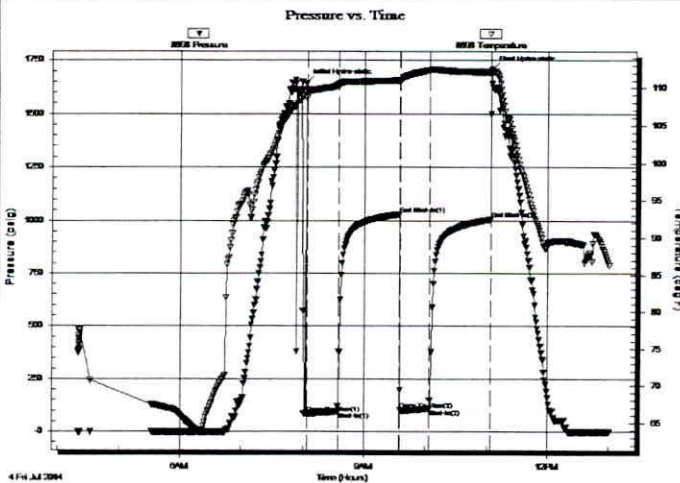
Job Ticket: 59386 DST#: 1
 Test Start: 2014.07.04 @ 04:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:03:30
 Time Test Ended: 13:00:19
 Interval: **3348.00 ft (KB) To 3373.00 ft (KB) (TVD)**
 Total Depth: 3373.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Phillip Gage
 Unit No: 77
 Reference Elevations: 1899.00 ft (KB)
 1894.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8898 Outside
 Press@RunDepth: 109.36 psig @ 3349.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.04 End Date: 2014.07.04 Last Calib.: 2014.07.04
 Start Time: 04:20:01 End Time: 13:00:19 Time On Btm: 2014.07.04 @ 08:03:20
 Time Off Btm: 2014.07.04 @ 11:04:30

TEST COMMENT: 30-IF-Built to 2 1/4"
 60-ISI-No Return
 30-FF-Built to 2"
 60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.26	109.71	Initial Hydro-static
1	86.93	108.64	Open To Flow (1)
31	95.79	110.36	Shut-In(1)
91	1029.66	111.01	End Shut-In(1)
93	102.67	110.92	Open To Flow (2)
121	109.36	112.33	Shut-In(2)
181	1005.28	112.12	End Shut-In(2)
182	1707.27	112.01	Final Hydro-static

Recovery

Length (ft)	Description	Volum. (bbl)
120.00	WOCM, 15%w, 15%o, 70%m	0.59
73.00	OCM, 20%o, 80%m	1.02
5.00	O, 100%o	0.07
0.00	GIP, 63'	0.00

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 59386 **DST#: 1**
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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	WOCM, 15%w, 15%o, 70%m	0.590
73.00	OCM, 20%o, 80%m	1.024
5.00	O, 100%c	0.070
0.00	GIP, 63'	0.000

Total Length: 198.00 ft Total Volume: 1.684 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

