



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah oil
606 W. ALBRO ST.
CLAFLIN KS.
67525
ATTN: Seth Everson /Mark C

SEC. 1 - 19 s. - 10 w. / Rice

J. Behnke owwo # 1

Job Ticket: 55287

DST#: 3

Test Start: 2014.06.02 @ 14:50:00

GENERAL INFORMATION:

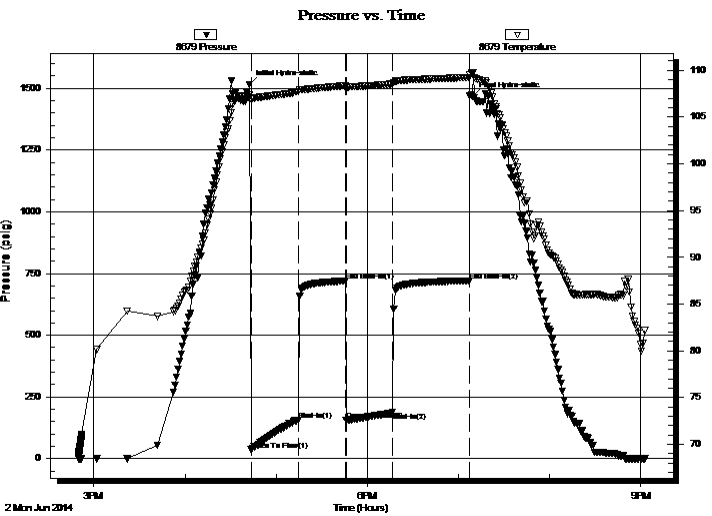
Formation: **KC. - "H"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 16:43:30
 Tester: Bob Hamel
 Time Test Ended: 21:03:00
 Unit No: 67
 Interval: **3020.00 ft (KB) To 3070.00 ft (KB) (TVD)**
 Reference Elevations: 1717.00 ft (KB)
 Total Depth: 3267.00 ft (KB) (TVD)
 1712.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Poor
 KB to GR/CF: 5.00 ft

Serial #: 8679

Outside

Press @ RunDepth: 189.37 psig @ 3058.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.02 End Date: 2014.06.02 Last Calib.: 2014.06.02
 Start Time: 14:50:01 End Time: 21:03:00 Time On Btm: 2014.06.02 @ 16:42:30
 Time Off Btm: 2014.06.02 @ 19:09:00

TEST COMMENT: I.F. - 30 - 1/4" INT BLOW BUILT TO (B.O.B. IN 18 MIN.)
 I.S.I. - 30 - NO B.B.
 F.F. - 30 - W.S.B. STARTED @ 1 MIN. BUILT TO (B.O.B. IN 27 MIN.)
 F.S.I. - 30 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1515.59	107.34	Initial Hydro-static
1	35.75	106.94	Open To Flow (1)
32	154.73	107.74	Shut-In(1)
63	720.03	108.39	End Shut-In(1)
64	156.90	107.97	Open To Flow (2)
94	189.37	108.55	Shut-In(2)
145	720.81	109.23	End Shut-In(2)
147	1467.72	109.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
272.00	S,O,S,M,W, 20%M 80%W (FEW OIL SPE) 1.52	
0.00	736' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



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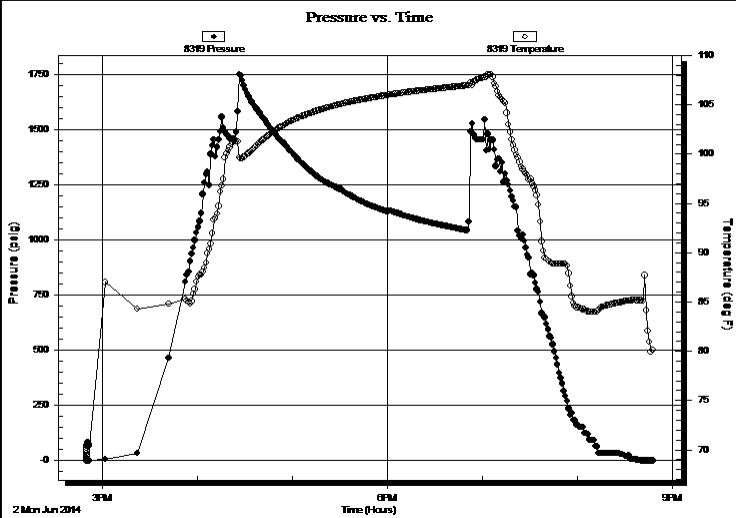
SEC. 1 - 19 s. - 10 w. / Rice
J. Behnke owwo # 1
Job Ticket: 55287 **DST#: 3**
Test Start: 2014.06.02 @ 14:50:00

GENERAL INFORMATION:

Formation: **KC. - "H"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 16:43:30 Tester: Bob Hamel
Time Test Ended: 21:03:00 Unit No: 67
Interval: 3020.00 ft (KB) To 3070.00 ft (KB) (TVD) Reference Elevations: 1717.00 ft (KB)
Total Depth: 3267.00 ft (KB) (TVD) 1712.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 8319 Below (Straddle)
Press @ Run Depth: psig @ 3072.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.02 End Date: 2014.06.02 Last Calib.: 2014.06.02
Start Time: 14:50:01 End Time: 20:47:30 Time On Btm:
Time Off Btm:

TEST COMMENT: I.F. - 30 - 1/4" INT BLOW BUILT TO (B.O.B. IN 18 MIN.)
I.S.I. - 30 - NO B.B.
F.F. - 30 - W.S.B. STARTED @ 1 MIN. BUILT TO (B.O.B. IN 27 MIN.)
F.S.I. - 30 - NO B.B.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
272.00	S,O,S,M,W, 20%M 80%W (FEW OIL SPE) 1.52	
0.00	736' G.I.P.	0.00

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

* Recovery from multiple tests



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FLUID SUMMARY

Darrah oil

SEC. 1 - 19 s. - 10 w. / Rice

606 W. ALBRO ST.
CLAFLIN KS.
67525

J. Behnke owwo # 1

Job Ticket: 55287

DST#: 3

ATTN: Seth Everson /Mark C

Test Start: 2014.06.02 @ 14:50:00

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 34000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
272.00	S,O,S,M,W, 20%M 80%W (FEW OIL SPECS)	1.520
0.00	736' G.I.P.	0.000

Total Length: 272.00 ft Total Volume: 1.520 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: R.W. = .12 @ 78 DEG.

CHLORIDES = 59,000 P.P.M.

Serial #: 8679

Outside Darrah oil

J. Behnke ow w o # 1

DST Test Number: 3

