



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Abercrombie Energy, LLC

9-20s-34w Scott Co. KS

10209 W Central STE 2
Wichita KS, 67212

Moore 1-9

Job Ticket: 48921

DST#: 2

ATTN: Wes Hanson

Test Start: 2012.11.10 @ 04:15:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:15

Time Test Ended: 13:54:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4483.00 ft (KB) To 4500.00 ft (KB) (TVD)

Reference Elevations: 3069.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3059.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 745.97 psig @ 4484.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.10

End Date:

2012.11.10

Last Calib.:

2012.11.10

Start Time: 04:15:15

End Time:

13:54:30

Time On Btm:

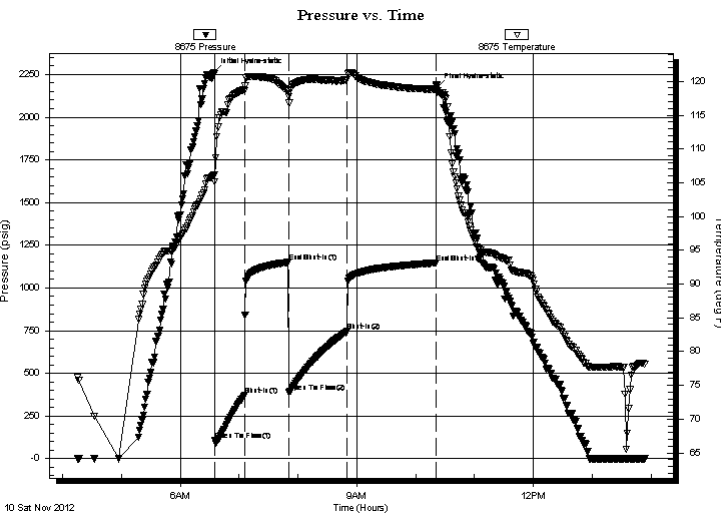
2012.11.10 @ 06:34:00

Time Off Btm:

2012.11.10 @ 10:21:45

TEST COMMENT:

B.O.B. in 1 min
Bled off for 5 min. B.O.B. in 12 min.
B.O.B. in 2 1/2 min.
Bled off for 5 min. B.O.B. in 23 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2262.09	106.09	Initial Hydro-static
2	106.59	105.08	Open To Flow (1)
32	373.39	118.59	Shut-In(1)
77	1150.24	118.50	End Shut-In(1)
77	391.51	117.75	Open To Flow (2)
136	745.97	120.22	Shut-In(2)
227	1145.34	118.80	End Shut-In(2)
228	2171.62	118.45	Final Hydro-static

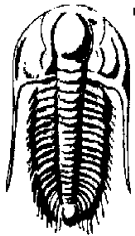
Recovery

Length (ft)	Description	Volume (bbl)
0.00	2108 Feet Gas In Pipe	0.00
640.00	gco 10%G 90%O	8.98
620.00	gco 30%G 70%O	8.70
864.00	gco 15%G 85%O	12.12
186.00	mcw go 10%M 20%W 30%G 40%O	2.61

Gas Rates

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

* Recovery from multiple tests



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Moore 1-9

Job Ticket: 48921

DST#: 2

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GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:35:15

Time Test Ended: 13:54:30

Interval: **4483.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Total Depth: 4500.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Reference Elevations: 3069.00 ft (KB)

3059.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8650 Outside

Press @ Run Depth: psig @ 4484.00 ft (KB)

Start Date: 2012.11.10

End Date:

2012.11.10

Capacity: 8000.00 psig

Last Calib.:

2012.11.10

Start Time: 04:15:15

End Time:

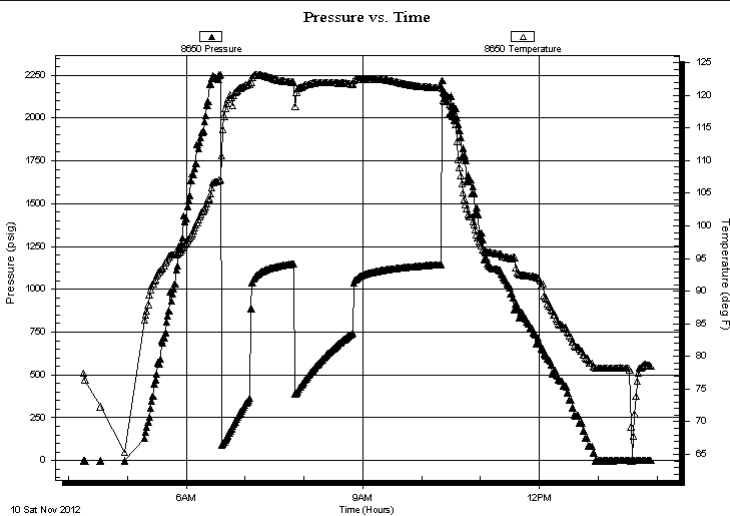
13:54:15

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. in 1 min
 Bled off for 5 min. B.O.B. in 12 min.
 B.O.B. in 2 1/2 min.
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PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2108 Feet Gas In Pipe	0.00
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Gas Rates

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



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FLUID SUMMARY

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Moore 1-9

Job Ticket: 48921

DST#: 2

ATTN: Wes Hanson

Test Start: 2012.11.10 @ 04:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	2108 Feet Gas In Pipe	0.000
640.00	gco 10%G 90%O	8.978
620.00	gco 30%G 70%O	8.697
864.00	gco 15%G 85%O	12.120
186.00	mcw go 10%M 20%W 30%G 40%O	2.609

Total Length: 2310.00 ft Total Volume: 32.404 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 35 @ 70 F = 34

RW: .20 @ 70 F = 35,000

Pressure vs. Time

