



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GRAND MESA OPERATING

DBY # 2-16

1700 N WATERFRONT PKWY BLDG 600
WICHITA KS 67206

16-16S-33W SCOTT

Job Ticket: 43884

DST#: 5

ATTN: KENT MATSON

Test Start: 2011.09.15 @ 18:02:05

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:49:15

Time Test Ended: 02:42:15

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 35

Interval: **4324.00 ft (KB) To 4352.00 ft (KB) (TVD)**

Reference Elevations: 3048.00 ft (KB)

Total Depth: 4352.00 ft (KB) (TVD)

3037.00 ft (CF)

Hole Diameter: 6.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: **8373**

Inside

Press @ Run Depth: 1093.98 psig @ 4327.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.15

End Date:

2011.09.16

Last Calib.:

2011.09.16

Start Time: 18:02:00

End Time:

02:42:10

Time On Btm:

2011.09.15 @ 19:47:10

Time Off Btm:

2011.09.15 @ 22:33:54

TEST COMMENT:

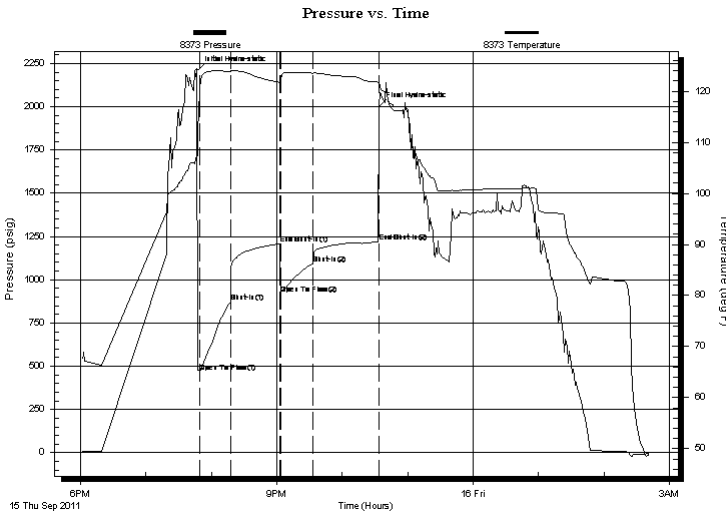
IF- BOB in 1min

IS- BOB in 11 1/2min

FF- BOB in 1min 15sec

FS- Surface Blow Built to 8 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.80	107.40	Initial Hydro-static
2	468.48	120.67	Open To Flow (1)
31	872.33	123.89	Shut-In(1)
76	1208.27	121.76	End Shut-In(1)
77	917.63	121.60	Open To Flow (2)
106	1093.98	123.56	Shut-In(2)
167	1219.84	121.80	End Shut-In(2)
167	1999.29	121.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	WGOCM 5%w 10%g 15%oil 70%m	1.37
320.00	WMGCO 5%w 10%m 10%g 75%oil	4.49
440.00	MGO 5%m 15%g 80%oil	6.17
1810.00	GO 25%g 75%oil	25.39
0.00	1394' GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 78.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	WGOCM 5%w 10%g 15%oil 70%m	1.366
320.00	WMGCO 5%w 10%m 10%g 75%oil	4.489
440.00	MGO 5%m 15%g 80%oil	6.172
1810.00	GO 25%g 75%oil	25.390
0.00	1394' GIP	0.000

Total Length: 2820.00 ft Total Volume: 37.417 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API is 33 @ 50f = 34

Pressure vs. Time

