



**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: 43885

DST#: 6

ATTN: John Goldsmith

Test Start: 2011.09.16 @ 12:22:00

GENERAL INFORMATION:

Formation: **Lenapah**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:06:40

Time Test Ended: 20:26:54

Test Type: Conventional Bottom Hole

Tester: Will MacLean

Unit No: 35

Interval: 4370.00 ft (KB) To 4418.00 ft (KB) (TVD)

Reference Elevations: 3048.00 ft (KB)

Total Depth: 4418.00 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: 155.07 psig @ 4371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.16

End Date:

2011.09.16

Last Calib.:

2011.09.16

Start Time: 12:22:00

End Time:

20:26:54

Time On Btm:

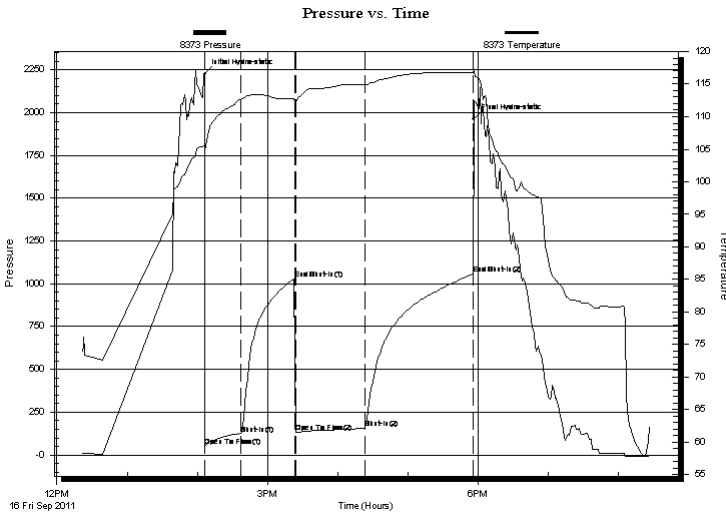
2011.09.16 @ 14:06:25

Time Off Btm:

2011.09.16 @ 17:56:24

TEST COMMENT: IF- BOB in 10min
IS- Surface Blow Built to 1 1/4"
FF- BOB in 9min
FS- Surface Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.03	105.46	Initial Hydro-static
1	52.49	104.72	Open To Flow (1)
31	123.71	112.68	Shut-In(1)
77	1030.09	112.72	End Shut-In(1)
78	132.31	112.19	Open To Flow (2)
137	155.07	114.87	Shut-In(2)
230	1058.38	116.84	End Shut-In(2)
230	1962.24	117.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MGO 35%g 35%oil 30%m	0.30
122.00	GOCM 20%g 35%oil 45%m	0.60
186.00	GOCM 30%g 30%oil 40%m	2.14
0.00	500' GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 6

ATTN: John Goldsmith

Test Start: 2011.09.16 @ 12:22:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	MGO 35%g 35%oil 30%m	0.305
122.00	GOCM 20%g 35%oil 45%m	0.600
186.00	GOCM 30%g 30%oil 40%m	2.145
0.00	500' GIP	0.000

Total Length: 370.00 ft

Total Volume: 3.050 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

