



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration, Inc

Unruh # 1-33

P.O.Box 401
Fairfield, IL 62837

33-27s-18w Kiowa Co

Job Ticket: 039211

DST#: 3

ATTN: Jon Christensen

Test Start: 2010.10.16 @ 07:41:57

GENERAL INFORMATION:

Formation: **Mississippi Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:41:57

Time Test Ended: 17:16:57

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: 4750.00 ft (KB) To 4806.00 ft (KB) (TVD)

Reference Elevations: 2224.00 ft (KB)

Total Depth: 4806.00 ft (KB) (TVD)

2213.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6798 Inside

Press @ Run Depth: 81.05 psig @ 4755.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.16

End Date: 2010.10.16

Last Calib.: 2010.10.16

Start Time: 07:41:58

End Time: 17:16:57

Time On Btm: 2010.10.16 @ 10:39:57

Time Off Btm: 2010.10.16 @ 14:44:27

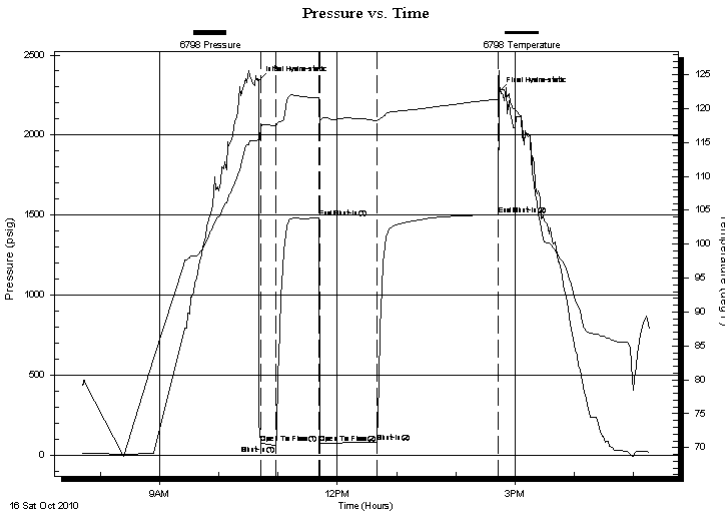
TEST COMMENT: IF: Strong blow . B.O.B. in 30 secs. GTS in 14 mins. (see gas flow report.)

IS: No blow .

FF: Strong blow . B.O.B. immediately.

FS: Very weak surface blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2342.49	115.34	Initial Hydro-static
2	72.77	117.03	Open To Flow (1)
18	62.10	117.52	Shut-In(1)
61	1482.57	121.56	End Shut-In(1)
63	71.58	118.14	Open To Flow (2)
121	81.05	118.20	Shut-In(2)
243	1502.10	121.39	End Shut-In(2)
245	2271.80	123.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	SG&OCM 10%g 3%o 87%m	0.60
0.00	4632' GIP	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	42.04
Last Gas Rate			
Max. Gas Rate	0.25	28.00	67.42



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FLUID SUMMARY

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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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: 0.21 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	SG&OCM 10%g 3%o 87%m	0.605
0.00	4632' GIP	0.000
0.00		0.000

Total Length: 123.00 ft Total Volume: 0.605 bbl

Num Fluid Samples: 0

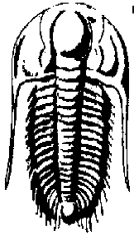
Num Gas Bombs: 1

Serial #: JA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

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Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.25	12.00	42.04
2	20	0.25	18.00	51.56
2	30	0.25	20.00	54.73
2	40	0.25	24.00	61.08
2	50	0.25	26.00	64.25
2	60	0.25	28.00	67.42
0	-	-999999.00	-999999.00	-999999.00

Pressure vs. Time

