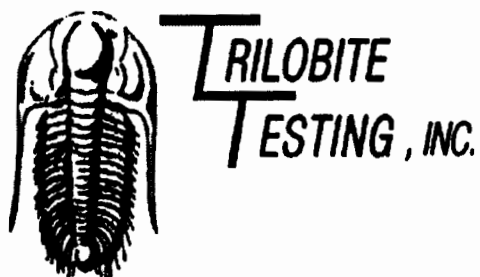


15-119-21246

13-33S-29W



DRILL STEM TEST REPORT

Prepared For: **OBrien Energy Resources**

18 Congress St. STE 207
Portsmouth NH, 03801

ATTN: Roger Pearson

13 33S 29W Meade KS

Meade Lake 1-13

Start Date: 2010.01.16 @ 04:55:05

End Date: 2010.01.16 @ 16:15:05

Job Ticket #: 37601 DST #: 1

KCC
FEB 16 2010
CONFIDENTIAL

RECEIVED
FEB 18 2010
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

O'Brien Energy Resources

18 Congress St. STE 207
Portsmouth NH, 03801

ATTN: Roger Pearson

Meade Lake 1-13

13 33S 29W Meade KS

Job Ticket: 37601

DST#: 1

Test Start: 2010.01.16 @ 04:55:05

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 08:11:55

Time Test Ended: 16:15:05

Test Type: **Conventional Bottom Hole**

Tester: **Mike Slemp**

Unit No: **28**

Interval: **5633.00 ft (KB) To 5732.00 ft (KB) (TVD)**

Total Depth: **5732.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2859.00 ft (KB)**

2847.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 6751

Inside

Press@RunDepth: **1148.06 psig @ 5665.00 ft (KB)**

Start Date: **2010.01.16**

End Date:

2010.01.16

Capacity: **8000.00 psig**

Last Calib.: **2010.01.16**

Start Time: **04:55:06**

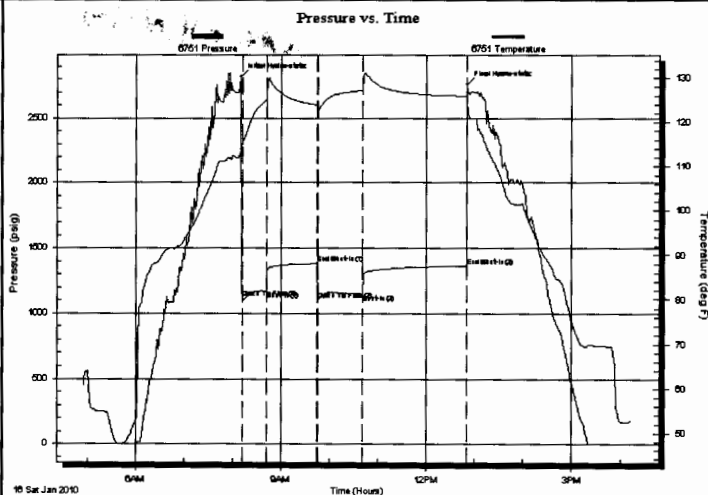
End Time:

16:15:05

Time On Btm: **2010.01.16 @ 08:09:35**

Time Off Btm: **2010.01.16 @ 12:50:20**

TEST COMMENT: IF- Strong blow , BOB ASAO, GTSin 2 min
IS- No blow back
FF- Strong blow , BOB ASAO, GTS ASAO
FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2818.69	112.22	Initial Hydro-static
3	1114.30	115.64	Open To Flow (1)
32	1170.05	125.08	Shut-In(1)
95	1379.95	123.98	End Shut-In(1)
96	1102.46	122.47	Open To Flow (2)
151	1148.06	127.23	Shut-In(2)
280	1364.13	125.98	End Shut-In(2)
281	2757.03	125.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%oil	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	160.00	5013.79
Last Gas Rate	1.00	200.00	6163.75
Max. Gas Rate	1.00	210.00	6451.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

OBrien Energy Resources

Meade Lake 1-13

18 Congress St. STE 207
Portsmouth NH, 03801

13 33S 29W Meade KS

Job Ticket: 37601

DST#: 1

ATTN: Roger Pearson

Test Start: 2010.01.16 @ 04:55:05

Tool Information

Drill Pipe:	Length: 5265.00 ft	Diameter: 3.80 inches	Volume: 73.85 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 352.00 ft	Diameter: 2.25 inches	Volume: 1.73 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	75.58 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	88000.00 lb
Depth to Top Packer:	5633.00 ft			Final	90000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	99.00 ft				
Tool Length:	129.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5604.00	
Shut In Tool	5.00			5609.00	
Sampler	3.00			5612.00	
Hydraulic tool	5.00			5617.00	
Jars	5.00			5622.00	
Safety Joint	2.00			5624.00	
Packer	5.00			5629.00	30.00 Bottom Of Top Packer
Packer	4.00			5633.00	
Stubb	1.00			5634.00	
Perforations	31.00			5665.00	
Recorder	0.00	8321	Inside	5665.00	
Recorder	0.00	6751	Inside	5665.00	
Change Over Sub	1.00			5666.00	
Drill Pipe	62.00			5728.00	
Change Over Sub	1.00			5729.00	
Bullnose	3.00			5732.00	99.00 Bottom Packers & Anchor
Total Tool Length:		129.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Energy Resources

Meade Lake 1-13

18 Congress St. STE 207
Portsmouth NH, 03801

13 33S 29W Meade KS

Job Ticket: 37601

DST#: 1

ATTN: Roger Pearson

Test Start: 2010.01.16 @ 04:55:05

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%oil	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler- 650psi- 18 cu/ft gas, No liquid



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

O'Brien Energy Resources

Meade Lake 1-13

18 Congress St. STE 207
Portsmouth NH, 03801

13 33S 29W Meade KS

Job Ticket: 37601

DST#: 1

ATTN: Roger Pearson

Test Start: 2010.01.16 @ 04:55:05

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)
1	10	1.00	160.00	5013.79
1	20	1.00	180.00	5588.77
1	30	1.00	180.00	5588.77
2	10	1.00	180.00	5588.77
2	20	1.00	190.00	5876.26
2	30	1.00	210.00	6451.23
2	40	1.00	210.00	6451.23
2	50	1.00	200.00	6163.75
2	60	1.00	200.00	6163.75

Serial #: 6751

Inside

OBrien Energy Resources

13 33S 29W Meade KS

DST Test Number: 1

Pressure vs. Time

