



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

O'Brien Energy Resources Corp.

20-32s-1e Sumner Co., Ks.

18 Congress St. STE 207
Portsmouth, NH. 03801

Weber # 1-20

Job Ticket: 54129

DST#: 1

ATTN: Pete Debenham

Test Start: 2014.07.31 @ 13:05:35

GENERAL INFORMATION:

Formation: **Simpson Sandstone**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 16:11:35

Time Test Ended: 03:26:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: **3993.00 ft (KB) To 4003.00 ft (KB) (TVD)**

Reference Elevations: 1218.00 ft (KB)

Total Depth: 4003.00 ft (KB) (TVD)

1208.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6773 Outside

Press@RunDepth: 834.29 psig @ 3994.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.31

End Date:

2014.08.01

Last Calib.:

2014.08.01

Start Time: 13:05:40

End Time:

03:26:50

Time On Btm:

2014.07.31 @ 16:06:05

Time Off Btm:

2014.07.31 @ 19:37:50

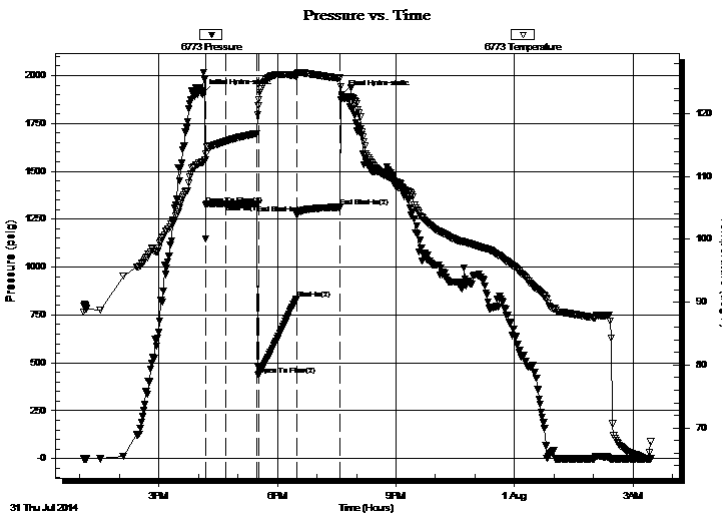
TEST COMMENT: IF: Weak blow . Surf., - 1/4". Dead in 15 mins.

IS: No blow .

FF: Strong blow . B.O.B. in 30 secs. Gauged gas. See gas report. G.T.S.

FS: Strong blow . B.O.B. Never bleed off.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1903.78	112.25	Initial Hydro-static
6	1324.61	113.62	Open To Flow (1)
36	1329.59	115.60	Shut-In(1)
83	1327.02	116.85	End Shut-In(1)
85	436.04	121.29	Open To Flow (2)
143	834.29	125.97	Shut-In(2)
209	1312.47	125.61	End Shut-In(2)
212	1900.56	122.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
139.00	GOCM	0.68
2910.00	Clean GO 100%	39.90
0.00	G.T.S. G.I.P. 100%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	12.00	41.88
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	12.00	41.88



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Brien Energy Resources Corp.

20-32s-1e Sumner Co., Ks.

18 Congress St. STE 207
Portsmouth, NH. 03801

Weber # 1-20

Job Ticket: 54129

DST#: 1

ATTN: Pete Debenham

Test Start: 2014.07.31 @ 13:05:35

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 9.29 in³
Resistivity: ohm.m
Salinity: 1600.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 1600 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
139.00	GOCM	0.684
2910.00	Clean GO 100%o	39.900
0.00	G.T.S. G.I.P. 100%g	0.000

Total Length: 3049.00 ft Total Volume: 40.584 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: MAS Pratt

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: G.T.S Gauged gas see gas report. Sampler chamber fluid. 4.8 CF gas. 1500 ML oil. 1500 ML gas.
Oil API corrected to 42.6 @ 60 degrees.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

O'Brien Energy Resources Corp.

20-32s-1e Sumner Co., Ks.

18 Congress St. STE 207
Portsmouth, NH. 03801

Weber # 1-20

Job Ticket: 54129

DST#: 1

ATTN: Pete Debenham

Test Start: 2014.07.31 @ 13:05:35

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.25	12.00	41.88
2	40	0.25	7.00	33.95
2	50	0.25	3.00	27.60
2	60	0.25	3.00	27.60

