



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Vecta Oil & Gas LTD

575 Union BLVD # 208
Lakewood CO. 80288

ATTN: Ryan Scribner

17-14s-47w Cheyenne Co. CO

Crestone 33-17

Job Ticket: 50098

DST#: 2

Test Start: 2012.11.04 @ 07:51:27

GENERAL INFORMATION:

Formation: **Lower Marrow Keys**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:57

Time Test Ended: 16:20:57

Test Type: Conventional Straddle (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: 5270.00 ft (KB) To 5302.00 ft (KB) (TVD)

Total Depth: 5464.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 4265.00 ft (KB)

4255.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8373 Inside

Press @ Run Depth: 200.95 psig @ 5271.00 ft (KB)

Start Date: 2012.11.04

End Date:

2012.11.04

Start Time: 07:51:32

End Time:

16:20:56

Capacity: 8000.00 psig

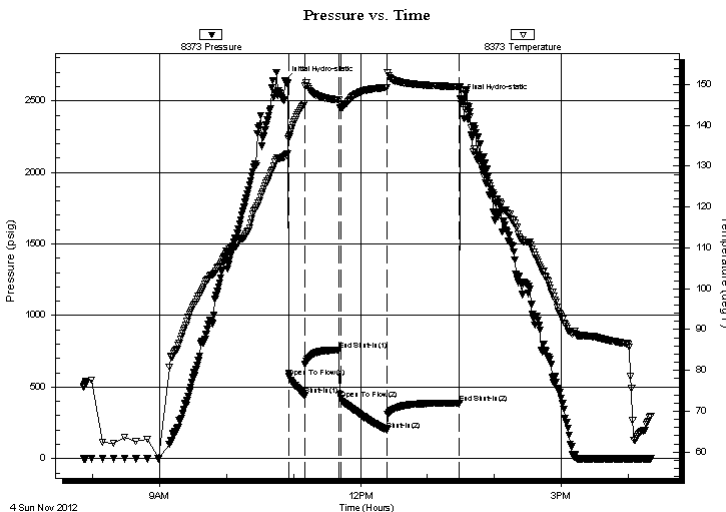
Last Calib.: 2012.11.04

Time On Btm: 2012.11.04 @ 10:52:27

Time Off Btm: 2012.11.04 @ 13:29:27

TEST COMMENT: IF: BOB gas to surface in 2 min.
IS: 21 min to bleed off. Surface blow built to 1/4.
FF: BOB.
FS: 15 min to bleed off. Surface blow built to 1.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2638.75	132.53	Initial Hydro-static
4	571.82	137.21	Open To Flow (1)
18	439.66	145.32	Shut-In(1)
48	757.56	146.18	End Shut-In(1)
50	417.49	144.36	Open To Flow (2)
91	200.95	149.21	Shut-In(2)
157	389.56	149.42	End Shut-In(2)
157	2514.58	149.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud 100% m	0.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	50.00	1005.92
Last Gas Rate	0.75	42.00	820.65
Max. Gas Rate	0.75	82.00	1402.66

* Recovery from multiple tests



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	mud 100%m	0.443

Total Length: 90.00 ft

Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

Vecta Oil & Gas LTD

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Crestone 33-17

Job Ticket: 50098

DST#: 2

ATTN: Ryan Scribner

Test Start: 2012.11.04 @ 07:51:27

Gas Rates Information

Temperature: 138 (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)
1	5	0.75	50.00	1005.92
1	5	0.75	50.00	937.05
1	10	0.75	80.00	1373.56
1	15	0.75	80.00	1373.56
2	5	0.75	40.00	791.54
2	10	0.75	80.00	1373.56
2	15	0.75	82.00	1402.66
2	20	0.75	75.00	1300.81
2	25	0.75	69.00	1213.51
2	30	0.75	60.00	1082.56
2	35	0.75	51.00	951.60
2	40	0.75	46.00	878.85
2	45	0.75	42.00	820.65

Serial #: 8373

Inside

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DST Test Number: 2

Pressure vs. Time

