



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co.

Campbell 1-17

202 W Main St.
Salem IL 62881

17-13-32 Logan, Ks

ATTN: Lansing A&B

Job Ticket: 039158

DST#: 3

Test Start: 2010.07.06 @ 20:45:05

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:30

Time Test Ended: 04:25:14

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 35

Interval: 4148.00 ft (KB) To 4184.00 ft (KB) (TVD)

Reference Elevations: 3027.00 ft (KB)

Total Depth: 4184.00 ft (KB) (TVD)

3017.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 289.31 psig @ 4149.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.06

End Date:

2010.07.07

Last Calib.:

2010.07.07

Start Time: 20:45:05

End Time:

04:25:14

Time On Btm:

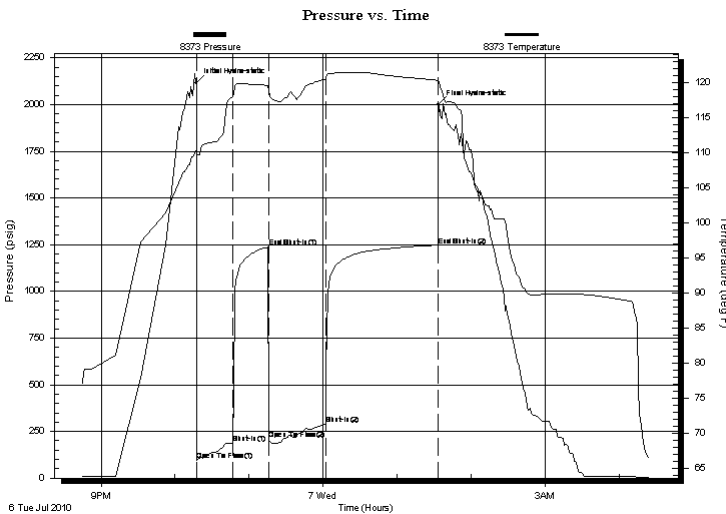
2010.07.06 @ 22:17:15

Time Off Btm:

2010.07.07 @ 01:33:44

TEST COMMENT: IF:B.O.B. in 12 min
IS:No return blow
FF:B.O.B in 8 min
FS:Return blow built to 3"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2115.38	110.31	Initial Hydro-static
1	97.44	109.59	Open To Flow (1)
30	188.93	117.94	Shut-In(1)
59	1235.45	119.49	End Shut-In(1)
59	209.23	118.93	Open To Flow (2)
105	289.31	120.44	Shut-In(2)
196	1246.03	120.27	End Shut-In(2)
197	2001.95	120.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GCMWO 3%g 15%w 30%m 52%o	2.35
186.00	GCMWO 5%g 5%w 5% m 85%o	2.61
248.00	GCMWO 5%g 5%m 15%w 70% o	3.48
62.00	Free oil 100% o	0.87

Gas Rates

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



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FLUID SUMMARY

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DST#: 3

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Test Start: 2010.07.06 @ 20:45:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
248.00	GCMWO 3% g 15%w 30%m 52%o	2.349
186.00	GCMWO 5%g 5%w 5% m 85%o	2.609
248.00	GCMWO 5%g 5%m 15%w 70% o	3.479
62.00	Free oil 100% o	0.870

Total Length: 744.00 ft Total Volume: 9.307 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 37 @ 70* corrected to 36 @ 60*

Pressure vs. Time

