



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc.

14-16s-34w-Scott CO, KS

202 W. Main St.
Salem, IL 62881

Radnor #2-14

Job Ticket: 56536

DST#: 2

ATTN: Wes Hansen

Test Start: 2014.05.21 @ 00:03:00

GENERAL INFORMATION:

Formation: **Marmaton 'A & B'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:42:45
 Time Test Ended: 08:49:15
 Interval: **4412.00 ft (KB) To 4465.00 ft (KB) (TVD)**
 Total Depth: 4465.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cornelio Landa III
 Unit No: 65
 Reference Elevations: 3129.00 ft (KB)
 3117.00 ft (CF)
 KB to GR/CF: 12.00 ft

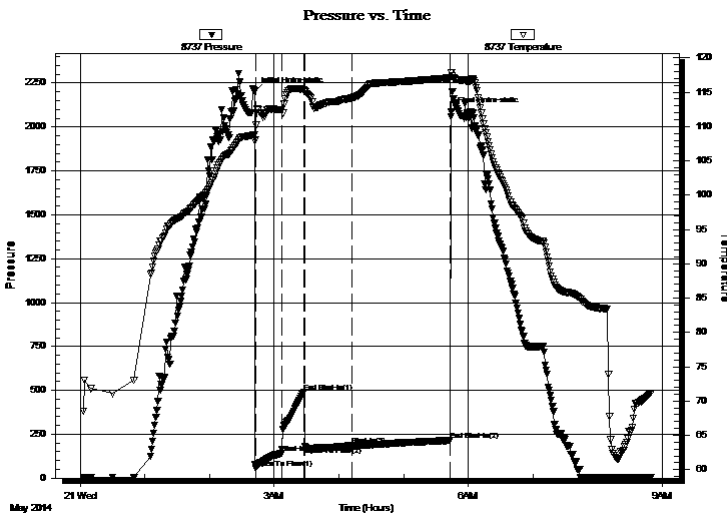
Serial #: 8737

Outside

Press@RunDepth: 185.55 psig @ 4415.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.21 End Date: 2014.05.21 Last Calib.: 2014.05.21
 Start Time: 00:03:15 End Time: 08:49:15 Time On Btm: 2014.05.21 @ 02:42:00
 Time Off Btm: 2014.05.21 @ 05:44:30

TEST COMMENT:

IF: B.o.b. in 4 min.
 IS: Bled off in 2 min.-Surface blow back-Built to 1/2 in.-Died back to surface blow back
 FF: Surface blow -Built to 7 in.-Died back to 5 1/2 in.
 FS: Bled off in 2 min.-Surface blow back-Built to 1/4 in. Blow back-Died back to surface blow back-Died in 50 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.43	108.83	Initial Hydro-static
1	57.46	108.13	Open To Flow (1)
25	142.31	112.42	Shut-In(1)
46	487.89	115.35	End Shut-In(1)
47	182.09	115.22	Open To Flow (2)
91	185.55	114.20	Shut-In(2)
182	214.81	117.08	End Shut-In(2)
183	2086.46	117.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP=504	0.00
63.00	Cgo 50g 50o	0.88
126.00	Cgo 30g 70o	1.77
189.00	Mco & G 25m 30o 45g	2.65
126.00	G & Ocm 30g 30o 40m	1.77

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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FLUID SUMMARY

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202 W. Main St.
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Job Ticket: 56536

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ATTN: Wes Hansen

Test Start: 2014.05.21 @ 00:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.55 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	GIP=504	0.000
63.00	Cgo 50g 50o	0.884
126.00	Cgo 30g 70o	1.767
189.00	Mco & G 25m 30o 45g	2.651
126.00	G & Ocm 30g 30o 40m	1.767

Total Length: 504.00 ft Total Volume: 7.069 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

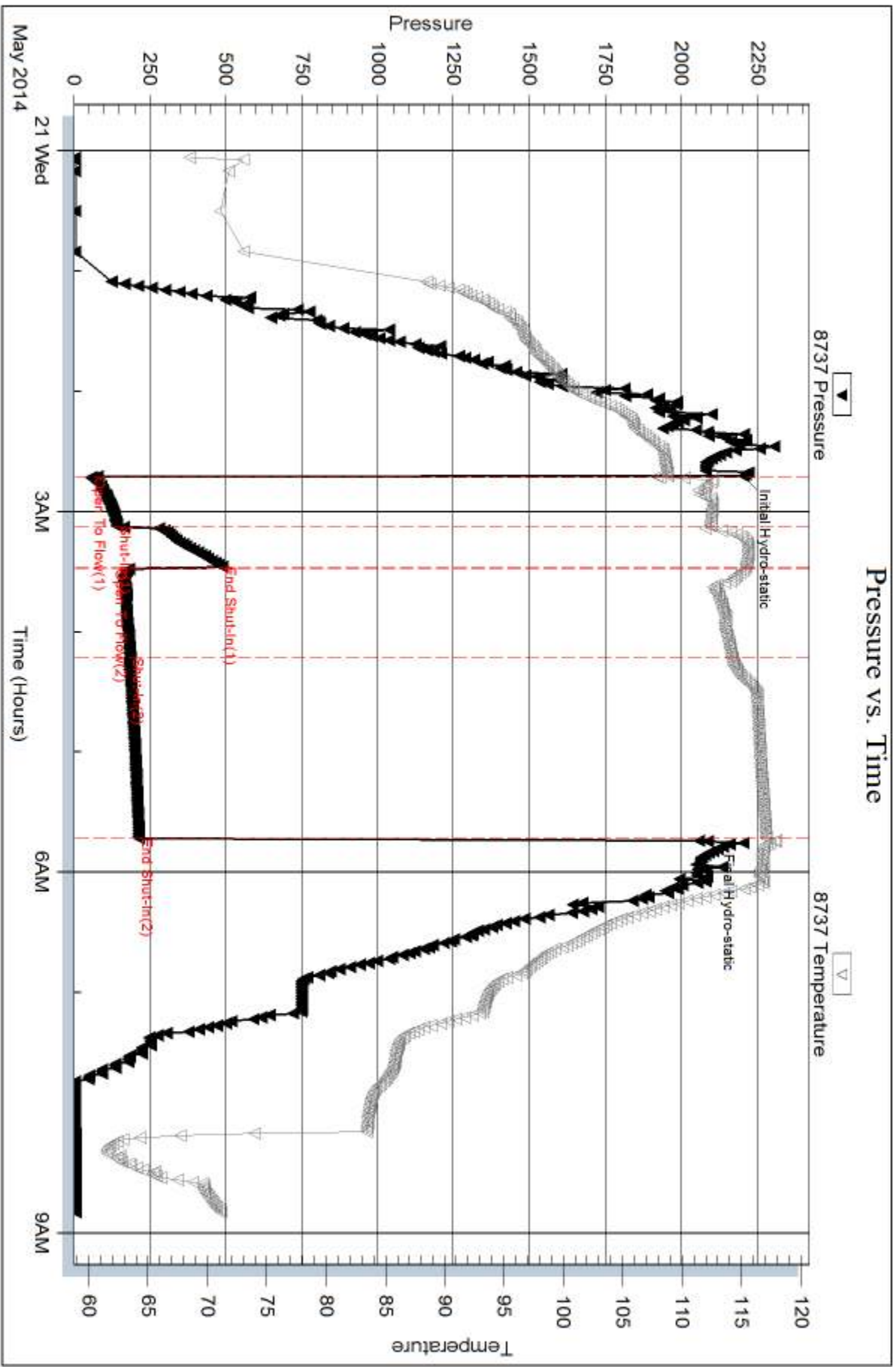
Recovery Comments: Gravity 38@70=37

Serial #: 8737

Outside Shakespeare Oil Co. Inc.

Radnor #2-14

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 56536

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