



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shakespeare Oil Co. Inc

34-16s-34w Scott Co. KS

202 W. Main St.
Salem IL 62881

Janzen # 1-34

Job Ticket: 49079

DST#: 1

ATTN: Steve Davis

Test Start: 2013.07.08 @ 21:10:00

GENERAL INFORMATION:

Formation: **LKC "H-1"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:12:10

Time Test Ended: 04:17:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 58

Interval: 4214.00 ft (KB) To 4285.00 ft (KB) (TVD)

Reference Elevations: 3126.00 ft (KB)

Total Depth: 4285.00 ft (KB) (TVD)

3119.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 56.53 psig @ 4215.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.08

End Date:

2013.07.09

Last Calib.:

2013.07.09

Start Time: 21:10:00

End Time:

04:17:39

Time On Btm:

2013.07.08 @ 23:11:55

Time Off Btm:

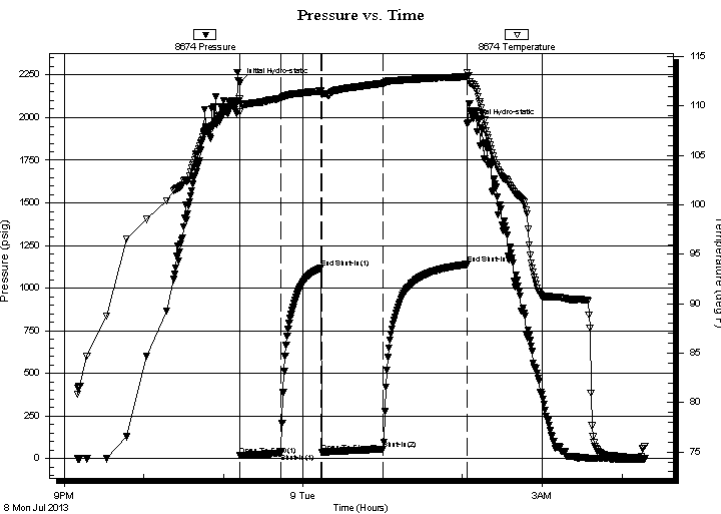
2013.07.09 @ 02:03:39

TEST COMMENT: IF- Weak Surface Blow 1/4"

IS- No Blow

FF- Weak Surface Blow in 20min

FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.71	110.69	Initial Hydro-static
1	17.47	109.39	Open To Flow (1)
32	32.76	110.77	Shut-In(1)
62	1118.78	111.51	End Shut-In(1)
62	36.32	111.17	Open To Flow (2)
109	56.53	112.30	Shut-In(2)
172	1139.62	112.97	End Shut-In(2)
172	1965.20	113.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 38%w 62%m	0.30
10.00	WCM 38%w 62%m A Few Oil Spots	0.05

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Steve Davis

Test Start: 2013.07.08 @ 21:10:00

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:

22000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	WCM 38%w 62%m	0.295
10.00	WCM 38%w 62%m A Few Oil Spots	0.049

Total Length: 70.00 ft Total Volume: 0.344 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .288 @ 76f = 22000

Serial #: 8674

Inside

Shakespeare Oil Co. Inc

Janzen # 1-34

DST Test Number: 1

