



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil Co., Inc.

8-6S-38W Sherman, KS

202 W Main St.
Salem, IL 62881

Beims #1-8

Job Ticket: 65238

DST#: 1

ATTN: Tim Priest

Test Start: 2015.11.16 @ 08:05:00

GENERAL INFORMATION:

Formation: **LKC "C-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:40:00

Time Test Ended: 16:13:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4405.00 ft (KB) To 4460.00 ft (KB) (TVD)

Total Depth: 4460.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3539.00 ft (KB)

3529.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8653 Outside

Press @ Run Depth: 571.14 psig @ 4406.00 ft (KB)

Start Date: 2015.11.16

End Date: 2015.11.16

Start Time: 08:06:00

End Time: 16:13:30

Capacity: 8000.00 psig

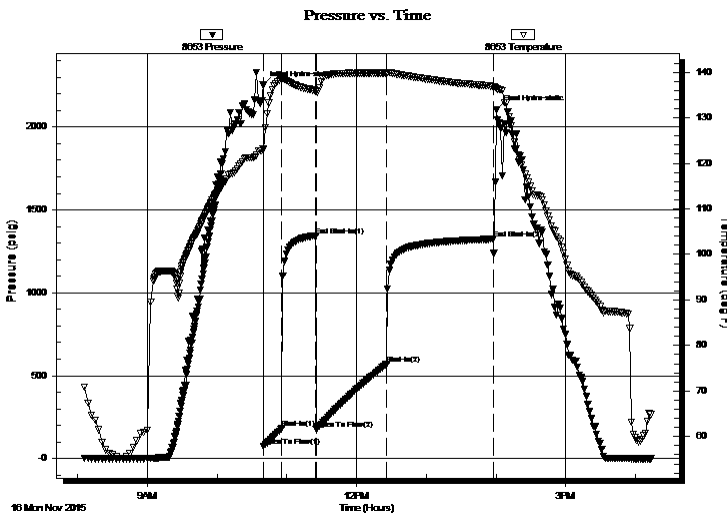
Last Calib.: 2015.11.16

Time On Btm: 2015.11.16 @ 10:39:30

Time Off Btm: 2015.11.16 @ 14:00:00

TEST COMMENT: 15 - IF- 1" Blow built to BoB in 7 min.
30 - IS- No Return
60 - FF- Blow built to BoB in 8 min.
90 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.67	123.26	Initial Hydro-static
1	72.87	122.95	Open To Flow (1)
16	180.81	138.50	Shut-In(1)
46	1344.49	135.97	End Shut-In(1)
46	174.34	135.79	Open To Flow (2)
107	571.14	139.80	Shut-In(2)
198	1324.43	136.90	End Shut-In(2)
201	2102.58	136.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
693.00	MW 5M 95W	9.72
252.00	MW 1M 90W	3.53
189.00	MW 30M 70W	2.65
103.00	MW 50M 50W	1.44

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 65238

DST#: 1

ATTN: Tim Priest

Test Start: 2015.11.16 @ 08:05:00

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:

23000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 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
693.00	MW 5M 95W	9.721
252.00	MW 1M 90W	3.535
189.00	MW 30M 70W	2.651
103.00	MW 50M 50W	1.445

Total Length: 1237.00 ft Total Volume: 17.352 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .31 @ 68 deg = 23,000ppm

