



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: 65239

DST#: 2

ATTN: Tim Priest

Test Start: 2015.11.17 @ 08:20:00

GENERAL INFORMATION:

Formation: **LKC "H-I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:36:00

Time Test Ended: 16:24:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4500.00 ft (KB) To 4570.00 ft (KB) (TVD)

Reference Elevations: 3539.00 ft (KB)

Total Depth: 4570.00 ft (KB) (TVD)

3529.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8653 Outside

Press@RunDepth: 36.42 psig @ 4501.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.11.17 End Date: 2015.11.17

Last Calib.: 1899.12.30

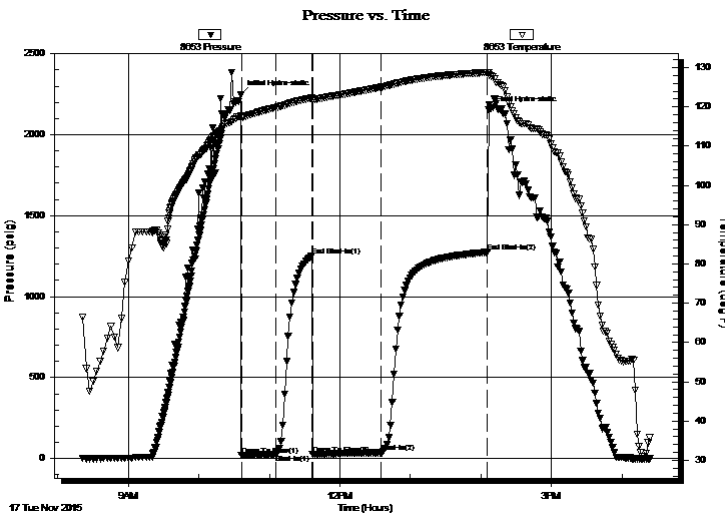
Start Time: 08:21:00 End Time: 16:24:00

Time On Btm: 2015.11.17 @ 10:35:30

Time Off Btm: 2015.11.17 @ 14:06:30

TEST COMMENT: 30 - IF- 1/2" Blow built to 1 1/4"
30 - IS- No Return
60 - FF- Surface Blow started at 5 min. Built to 2 1/4"
90 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.86	117.67	Initial Hydro-static
1	19.50	117.17	Open To Flow (1)
30	24.65	119.80	Shut-In(1)
61	1249.87	122.27	End Shut-In(1)
61	28.06	121.83	Open To Flow (2)
120	36.42	125.00	Shut-In(2)
210	1274.56	128.76	End Shut-In(2)
211	2151.12	128.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 30o 70M	0.42
5.00	Free Oil 100o	0.07

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 65239

DST#: 2

ATTN: Tim Priest

Test Start: 2015.11.17 @ 08:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 30o 70M	0.421
5.00	Free Oil 100o	0.070

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 29 @ 70 deg = 28 corrected

Serial #: 8653

Outside Shakespeare Oil Co., Inc.

Beins #1-8

DST Test Number: 2

