



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Darrah Oil Company LLC

22 - 2S. - 27W Decatur, KS

125 N. Market
Suite 1425
Wichita, KS 67202
ATTN: Roger Martin

Long # 3-22

Job Ticket: 65345

DST#: 1

Test Start: 2019.03.18 @ 11:42:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:35:20

Time Test Ended: 18:12:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

Interval: 3463.00 ft (KB) To 3474.00 ft (KB) (TVD)

Reference Elevations: 2627.00 ft (KB)

Total Depth: 3474.00 ft (KB) (TVD)

2622.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8959

Inside

Press@RunDepth: 27.14 psig @ 3464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.03.18

End Date:

2019.03.18

Last Calib.:

2019.03.18

Start Time: 11:42:01

End Time:

18:12:50

Time On Btm:

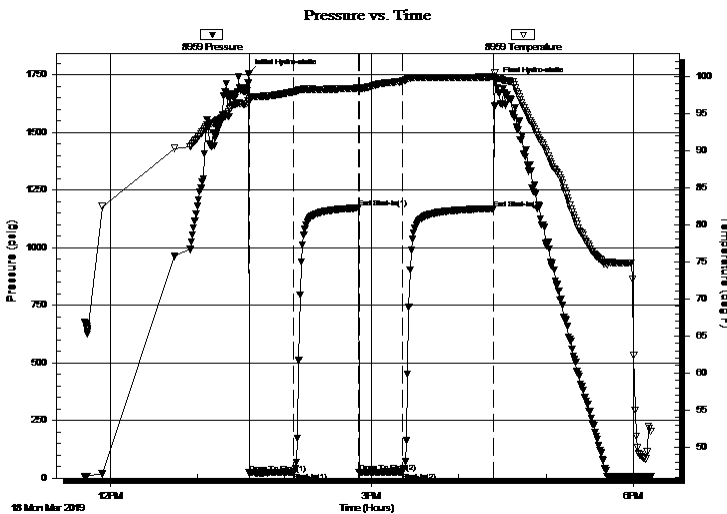
2019.03.18 @ 13:35:10

Time Off Btm:

2019.03.18 @ 16:25:30

TEST COMMENT: 30-IF-S.blow built to 1"
45-ISI-No blow
30-FF-Weak surface blow built to 1/2"
60-FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.17	97.18	Initial Hydro-static
1	22.88	96.65	Open To Flow (1)
31	25.35	97.87	Shut-In(1)
76	1172.80	98.39	End Shut-In(1)
76	25.78	98.08	Open To Flow (2)
106	27.14	99.32	Shut-In(2)
169	1170.36	99.91	End Shut-In(2)
171	1721.88	99.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 3%O, 97%M	0.14
0.00	Tool Sample OSM 5%O 95%M	0.00

Gas Rates

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



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FLUID SUMMARY

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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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 3%O, 97%M	0.140
0.00	Tool Sample OSM 5%O 95%M	0.000

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8734

Outside

Darrah Oil Company LLC

Long #3-22

DST Test Number: 1

