



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita, KS 67206
 ATTN: Ed Grieves

22-30s-33w Haskell, KS

Risa 1-22

Job Ticket: 65573

DST#: 2

Test Start: 2019.11.18 @ 15:07:00

GENERAL INFORMATION:

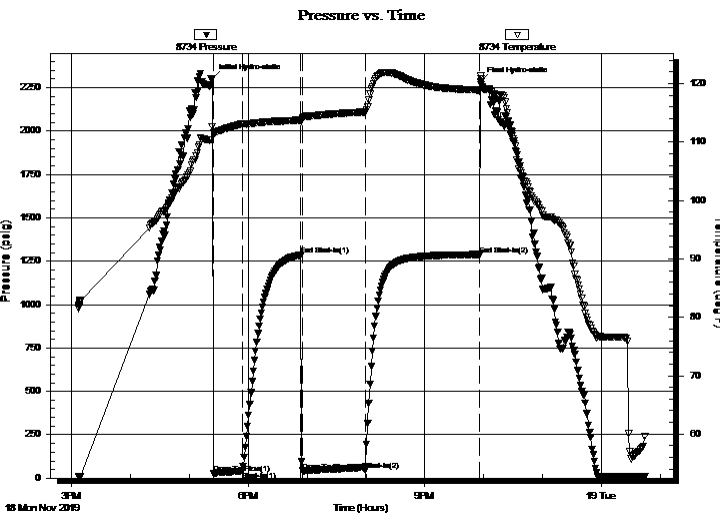
Formation: **KC " B "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:24:30
 Time Test Ended: 00:44:40
 Interval: **4656.00 ft (KB) To 4681.00 ft (KB) (TVD)**
 Total Depth: 4681.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: ft (KB)
 ft (CF)
 KB to GR/CF: ft

Serial #: 8734

Outside

Press@RunDepth: 48.26 psig @ 4657.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.18 End Date: 2019.11.19 Last Calib.: 2019.11.19
 Start Time: 15:07:01 End Time: 00:44:40 Time On Btm: 2019.11.18 @ 17:23:10
 Time Off Btm: 2019.11.18 @ 21:57:00

TEST COMMENT: 30-IF-B.O.B (11 inches) @ 30 secs (blow increased to 92")
 60-IS-No blow back
 60-FF-B.O.B(11 inches) ASAO (blow increased to 405 1/2") GTS @ 60 mins
 120-FS-Blow back built to 5"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2302.04	112.62	Initial Hydro-static
2	27.37	111.51	Open To Flow (1)
31	38.01	113.11	Shut-In(1)
91	1285.09	113.76	End Shut-In(1)
93	41.60	114.21	Open To Flow (2)
157	48.26	115.10	Shut-In(2)
273	1288.94	118.90	End Shut-In(2)
274	2284.84	121.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100% Mud	0.98
0.00	Oil spots in tool	0.00
0.00	4585' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	15.00	11.00



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 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
70.00	100% Mud	0.982
0.00	Oil spots in tool	0.000
0.00	4585' GIP	0.000

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

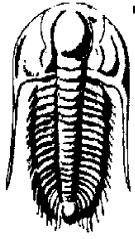
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	60	0.13	15.00	11.00

Pressure vs. Time

