



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N Bramblewood
 Wichita, Kansas
 67206+1094
 ATTN: Bryan Bynog

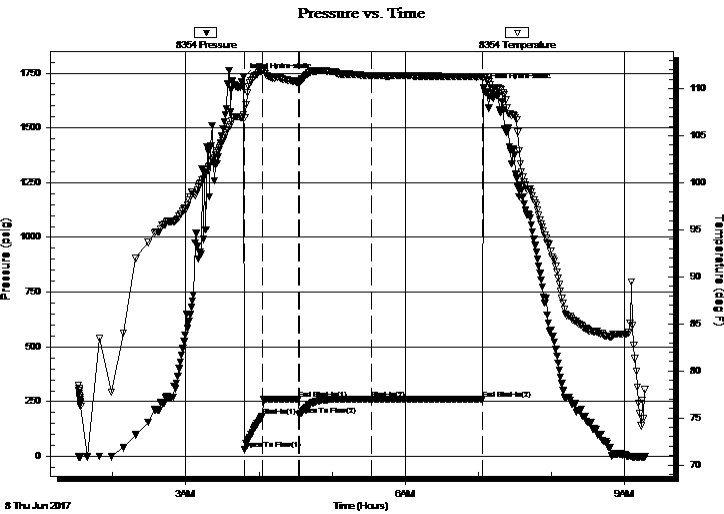
16/8S/23W/Graham
Bar B #1
 Job Ticket: 64785 **DST#: 2**
 Test Start: 2017.06.08 @ 01:32:00

GENERAL INFORMATION:

Formation: **LKC B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:48:30
 Time Test Ended: 09:16:30
 Interval: **3440.00 ft (KB) To 3460.00 ft (KB) (TVD)**
 Total Depth: 3460.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72 Hays/ 126
 Reference Elevations: 2181.00 ft (KB)
 2173.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8354 Inside
 Press@RunDepth: 261.05 psig @ 3462.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.08 End Date: 2017.06.08 Last Calib.: 2017.06.08
 Start Time: 01:32:05 End Time: 09:16:29 Time On Btm: 2017.06.08 @ 03:47:30
 Time Off Btm: 2017.06.08 @ 07:04:30

TEST COMMENT: I.F. 15 Minutes/ Blow built to BOB in 8 minutes
 I.S.I. 30 Minutes/ No blow back
 F.F. 60 Minutes/ Blow built to 8 inches in 20 minutes then died by 50 minutes
 F.S.I. 90 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.40	107.26	Initial Hydro-static
1	32.91	106.96	Open To Flow (1)
16	184.17	111.93	Shut-In(1)
45	260.82	110.60	End Shut-In(1)
46	187.88	110.55	Open To Flow (2)
105	261.05	111.42	Shut-In(2)
196	261.27	111.29	End Shut-In(2)
197	1682.84	111.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
404.00	MW with show of oil Mud 30% Water 70%	1.99
120.00	SOCMW Oil 2% Mud 48% Water 50%	0.59

Gas Rates

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



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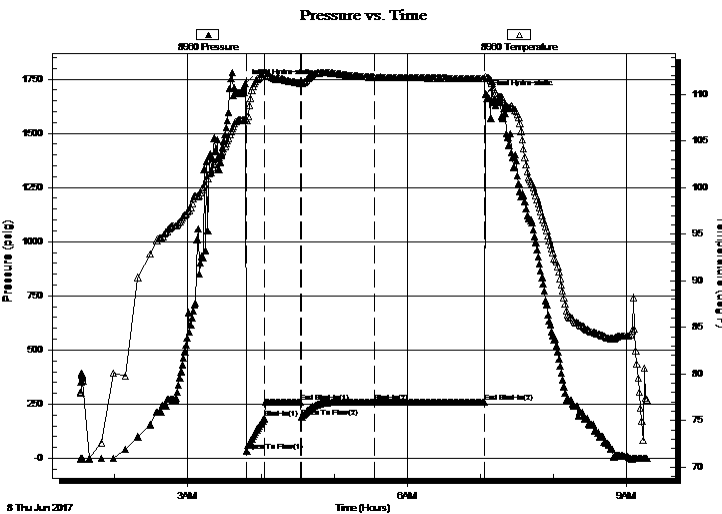
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 Tester: Ken Swinney
 Unit No: 72 Hays/ 126
 Reference Elevations: 2181.00 ft (KB)
 2173.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8960 Outside
 Press@RunDepth: 260.25 psig @ 3463.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.06.08 End Date: 2017.06.08 Last Calib.: 2017.06.08
 Start Time: 01:32:05 End Time: 09:16:29 Time On Btm: 2017.06.08 @ 03:47:30
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 F.F. 60 Minutes/ Blow built to 8 inches in 20 minutes then died by 50 minutes
 F.S.I. 90 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.29	107.45	Initial Hydro-static
1	32.55	107.22	Open To Flow (1)
16	183.54	112.29	Shut-In(1)
45	259.49	111.18	End Shut-In(1)
46	188.83	111.12	Open To Flow (2)
106	258.75	111.84	Shut-In(2)
196	260.25	111.70	End Shut-In(2)
197	1680.41	111.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
404.00	MW with show of oil Mud 30% Water 70%	1.99
120.00	SOCMW Oil 2% Mud 48% Water 50%	0.59

Gas Rates

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



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FLUID SUMMARY

Berexco LLC

16/8S/23W/Graham

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Wichita, Kansas
67206+1094
ATTN: Bryan Bynog

Bar B #1

Job Ticket: 64785

DST#: 2

Test Start: 2017.06.08 @ 01:32:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 21000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
404.00	MW with show of oil Mud 30% Water 70%	1.987
120.00	SOCMW Oil 2% Mud 48% Water 50%	0.590

Total Length: 524.00 ft Total Volume: 2.577 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Recovery Resistivity .31ohms @ 70 deg.

Pressure vs. Time

