



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

IA Operating Inc
9915 W 21st St Ste B
Wichita KS 67205
ATTN: Jeff Lawler

21 8s 26w Sheridan
Archer # 21-2
Job Ticket: 62393 **DST#: 1**
Test Start: 2015.07.22 @ 11:11:00

GENERAL INFORMATION:

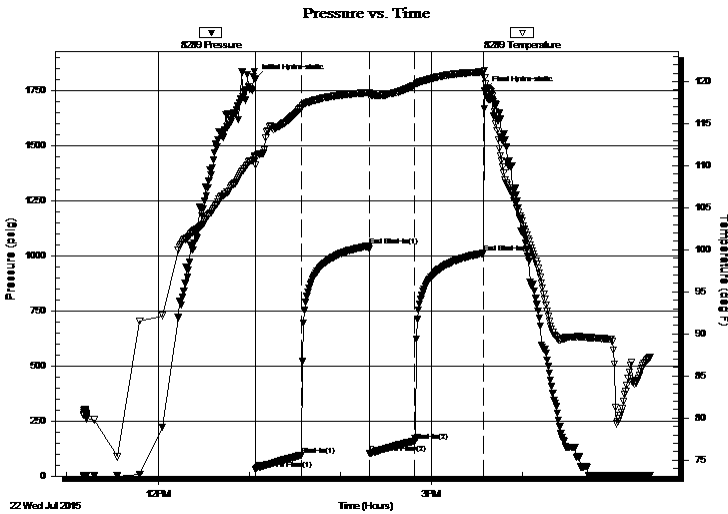
Formation: **LKC " C & D "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:04:15
Time Test Ended: 17:24:00
Interval: **3613.00 ft (KB) To 3650.00 ft (KB) (TVD)**
Total Depth: 3650.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 2421.00 ft (KB)
2413.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 159.29 psig @ 3618.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.07.22 End Date: 2015.07.22 Last Calib.: 2015.07.22
Start Time: 11:11:02 End Time: 17:24:15 Time On Btm: 2015.07.22 @ 13:04:00
Time Off Btm: 2015.07.22 @ 15:35:15

TEST COMMENT: 30-IF- BOB in 17min.
45-ISI- No Blow
30-FF- BOB in 22min.
45-FSI- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.48	111.20	Initial Hydro-static
1	30.05	110.05	Open To Flow (1)
31	95.38	116.88	Shut-In(1)
75	1044.32	118.66	End Shut-In(1)
76	103.77	118.34	Open To Flow (2)
105	159.29	119.54	Shut-In(2)
151	1011.35	121.13	End Shut-In(2)
152	1749.26	120.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil Specked MCW 45% m 55% w	0.59
248.00	MCW %5m 95%w	3.48

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:	90000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Oil Specked MCW 45% _m 55% _w	0.587
248.00	MCW %5 _m 95% _w	3.479

Total Length: 310.00 ft Total Volume: 4.066 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .069 @ 90

