



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Oil Co Inc
 400 Main St Box 237
 Vincennes IN 47501-0237
 ATTN: Wyatt Urban

27 6s 26w Sherdian KS
Ficken 1-27
 Job Ticket: 64516 **DST#: 1**
 Test Start: 2018.03.20 @ 02:59:00

GENERAL INFORMATION:

Formation: **LKC " C "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:06:01
 Time Test Ended: 10:55:00
 Interval: **3788.00 ft (KB) To 3810.00 ft (KB) (TVD)**
 Total Depth: 3810.00 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: 2646.00 ft (KB)
 2638.00 ft (CF)
 KB to GR/CF: 8.00 ft

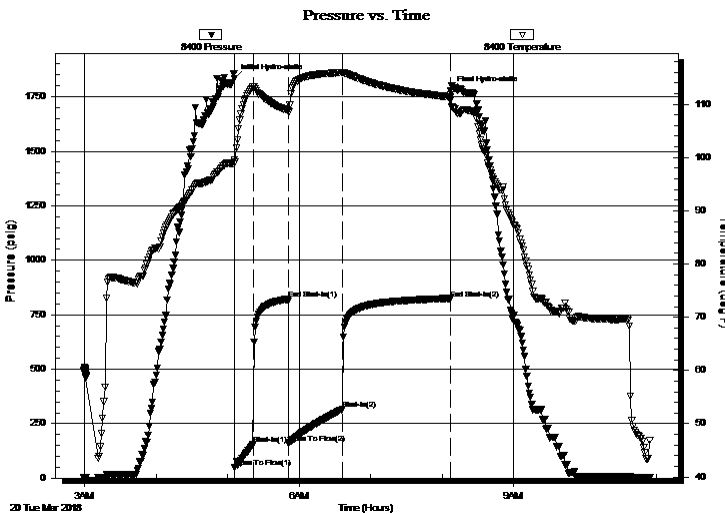
Serial #: 8400

Inside

Press@RunDepth: 316.75 psig @ 3789.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.03.20 End Date: 2018.03.20 Last Calib.: 2018.03.20
 Start Time: 02:59:01 End Time: 10:54:31 Time On Btm: 2018.03.20 @ 05:05:46
 Time Off Btm: 2018.03.20 @ 08:06:46

TEST COMMENT: 15-IFP- BOB in 6min.
 30-ISIP- Surface Blow in 2 1/2min.
 45-FFP- BOB in 8min.
 90-FSIP-Weak Surface Blow in 4min. Died in 26min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.30	99.59	Initial Hydro-static
1	48.60	99.09	Open To Flow (1)
16	154.13	113.26	Shut-In(1)
45	821.14	108.78	End Shut-In(1)
46	158.98	108.54	Open To Flow (2)
91	316.75	115.93	Shut-In(2)
181	824.25	111.39	End Shut-In(2)
181	1777.70	111.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	MCW 10% m 90% w W/ Oil Spots	6.76
0.00	60 GIP	0.00

Gas Rates

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



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FLUID SUMMARY

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Ficken 1-27
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Test Start: 2018.03.20 @ 02:59:00

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:	68000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 2.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
630.00	MCW 10%m 90%w W/ Oil Spots	6.759
0.00	60 GIP	0.000

Total Length: 630.00 ft Total Volume: 6.759 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Sampler 2000ml Water .160 @ 39 = 90000.....
.214 @ 37

Serial #: 8400

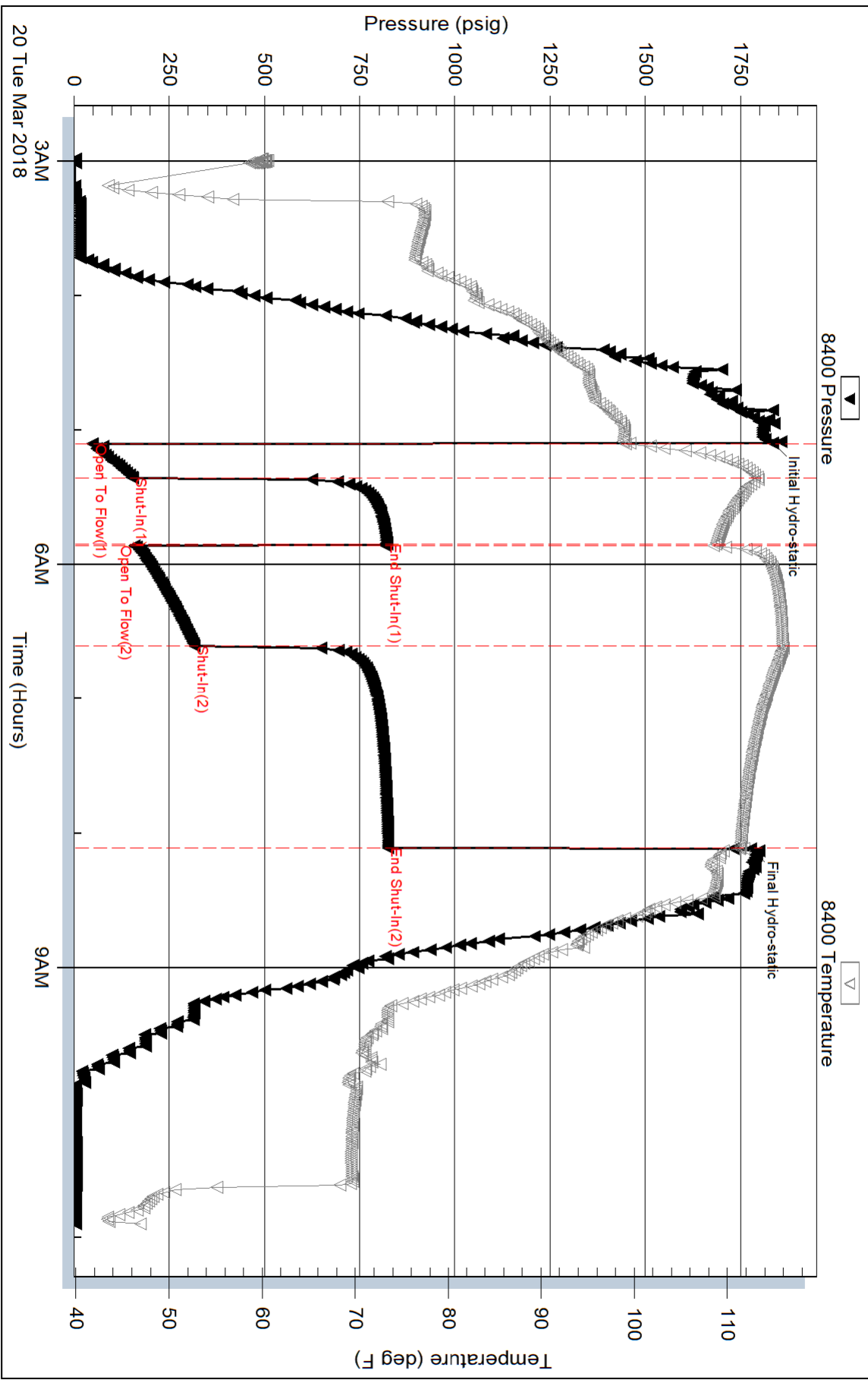
Inside

Pioneer Oil Co Inc

Ficken 1-27

DST Test Number: 1

Pressure vs. Time



Serial #: 8960

Outside Pioneer Oil Co Inc

Ficken 1-27

DST Test Number: 1

