



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Suemaaur Explor&Prod. LLC
 539 N. Carancahua
 Suite 1100
 Corpus Christi, Texas 78401
 ATTN: Andrew Grubb, Larry N

5-7s-28w Sheridan
Schamberger #1-5
 Job Ticket: 64750 **DST#: 1**
 Test Start: 2016.10.23 @ 02:16:04

GENERAL INFORMATION:

Formation: **LKC G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:38:14
 Time Test Ended: 09:46:58
 Interval: **4006.00 ft (KB) To 4023.00 ft (KB) (TVD)**
 Total Depth: 4023.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: ft (KB)
 ft (CF)
 KB to GR/CF: ft

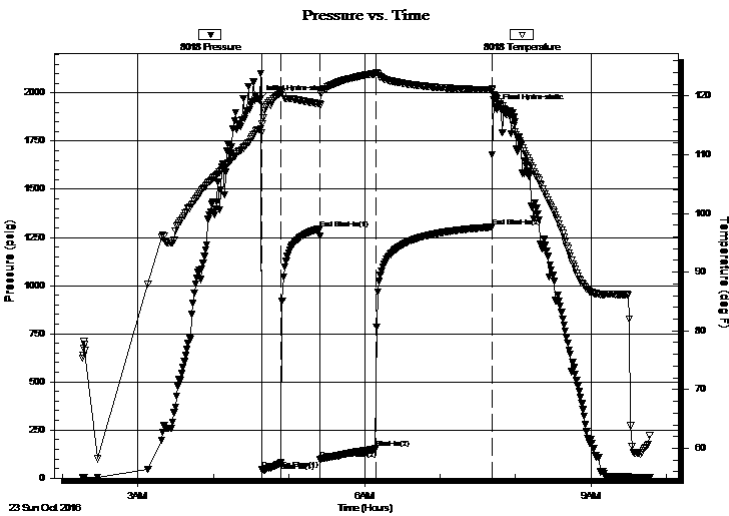
Serial #: 8018

Inside

Press@RunDepth: 152.43 psig @ 4007.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.23 End Date: 2016.10.23 Last Calib.: 2016.10.23
 Start Time: 02:16:04 End Time: 09:46:58 Time On Btm: 2016.10.23 @ 04:36:29
 Time Off Btm: 2016.10.23 @ 07:44:43

TEST COMMENT: 15-IFP-w k to a gd bl 1/2 to 8 bl
 30-ISIP-1/8"bl bk
 45-FFP-w k to a strg bl in 29 min
 90-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.37	114.28	Initial Hydro-static
2	46.29	113.79	Open To Flow (1)
18	79.69	120.53	Shut-In(1)
48	1294.94	118.65	End Shut-In(1)
49	95.86	118.45	Open To Flow (2)
93	152.43	123.82	Shut-In(2)
185	1303.80	121.02	End Shut-In(2)
189	1918.17	119.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Water	0.61
62.00	SOCMW 5%O30%M65%W	0.31
30.00	HO&GCWM10%G30%O20%W40%M	0.42
95.00	CO	1.33
0.00	365' GIP	0.00

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 3803.00 ft	Diameter: 3.80 inches	Volume: 53.35 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4006.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3978.00	
Shut In Tool	5.00			3983.00	
Hydraulic tool	5.00			3988.00	
Jars	5.00			3993.00	
Safety Joint	3.00			3996.00	
Packer	5.00			4001.00	29.00 Bottom Of Top Packer
Packer	5.00			4006.00	
Stubb	1.00			4007.00	
Recorder	0.00	8018	Inside	4007.00	
Recorder	0.00	8700	Outside	4007.00	
Perforations	13.00			4020.00	
Bullnose	3.00			4023.00	17.00 Bottom Packers & Anchor

Total Tool Length: 46.00



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FLUID SUMMARY

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Mud and Cushion Information

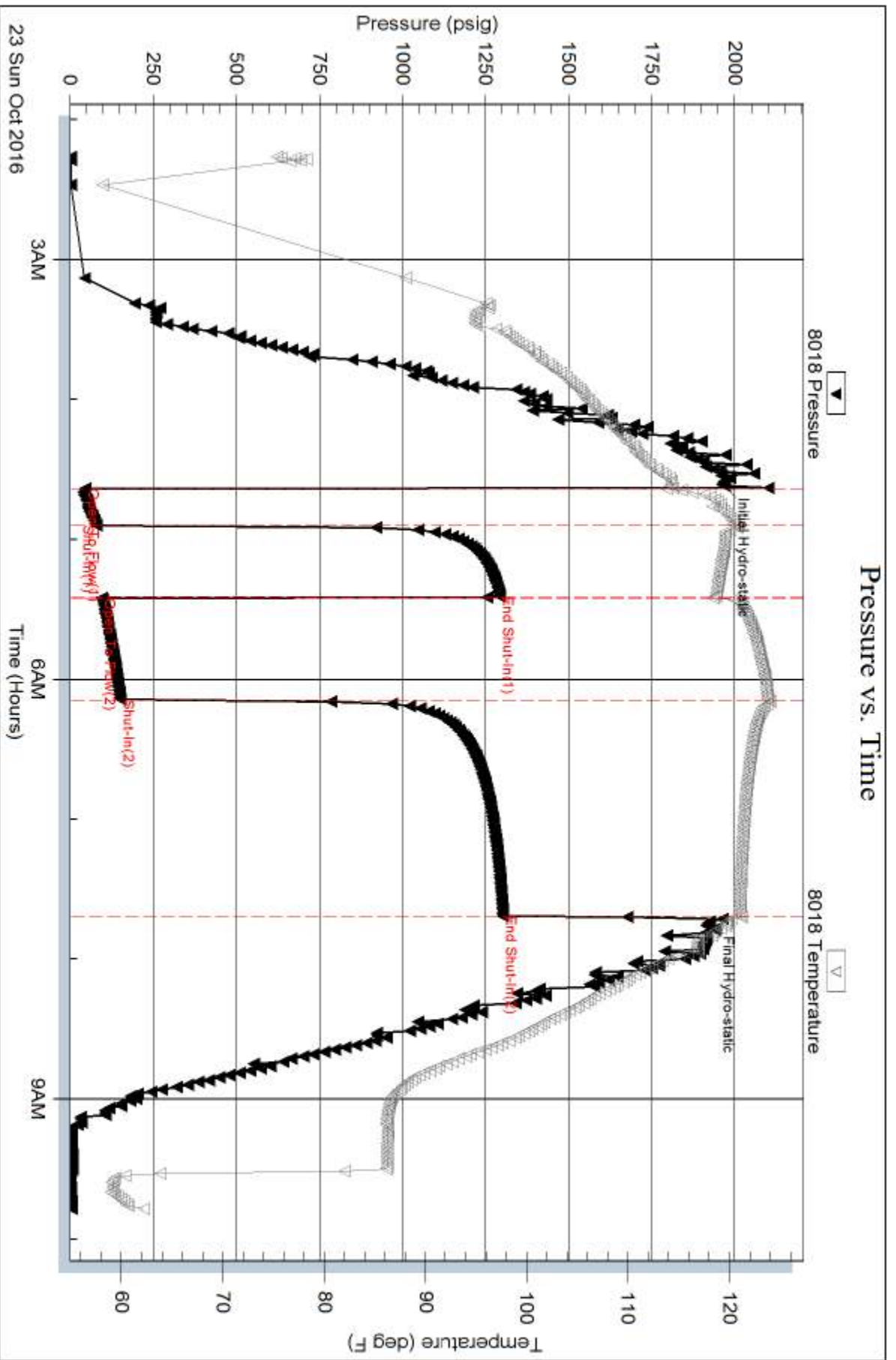
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 68000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.80 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Water	0.610
62.00	SOCMW 5%O30%M65%W	0.314
30.00	HO&GCWM10%G30%O20%W40%M	0.421
95.00	CO	1.333
0.00	365' GIP	0.000

Total Length: 311.00 ft Total Volume: 2.678 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .12@65F



Serial #: 8700

Outside Suenor Explor&Prod, LLC

Schanberger #1-5

DST Test Number: 1

