

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Prospect Oil & Gas Corp

McClay #13

PO Box 837
Russell, KS 67665

12-9-17 Rooks, KS

Job Ticket: 43425

DST#: 1

ATTN: Brad Hutchinson

Test Start: 2011.07.23 @ 12:12:44

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:22:14
Time Test Ended: 17:17:44

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

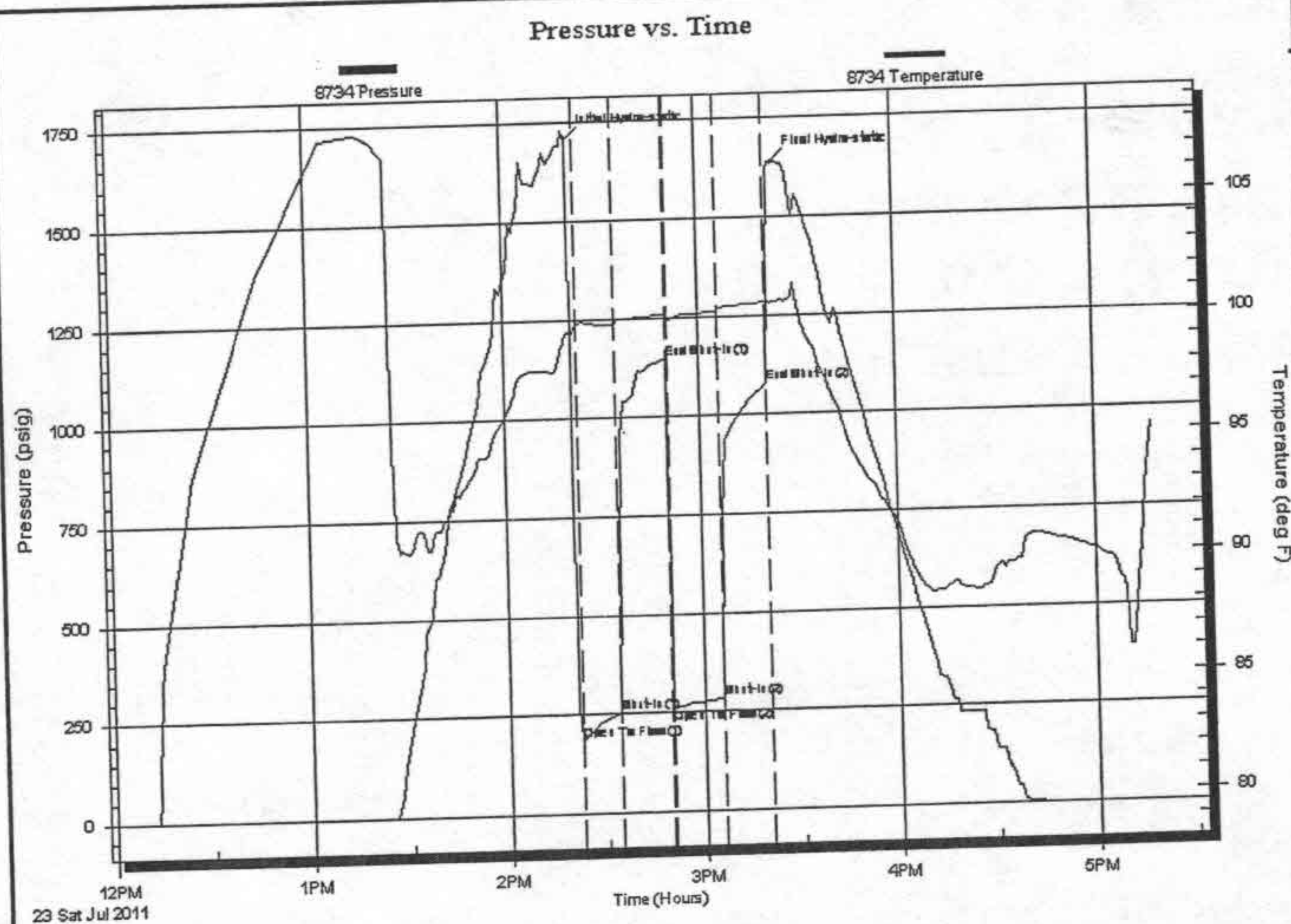
Interval: **3390.00 ft (KB) To 3438.00 ft (KB) (TVD)**
Total Depth: 3438.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2027.00 ft (KB)
2022.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8734 Outside
Press@RunDepth: 283.17 psig @ 3393.00 ft (KB)
Start Date: 2011.07.23 End Date: 2011.07.23
Start Time: 12:12:45 End Time: 17:17:44

Capacity: 8000.00 psig
Last Calib.: 2011.07.23
Time On Btm: 2011.07.23 @ 14:20:14
Time Off Btm: 2011.07.23 @ 15:23:14

TEST COMMENT: IFP - BOB 40 sec
ISI - no blow back
FFP - weak to good blow sur - 6"
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.50	99.52	Initial Hydro-static
2	185.81	99.86	Open To Flow (1)
14	252.60	99.83	Shut-In(1)
30	1147.22	100.19	End Shut-In(1)
30	263.26	99.95	Open To Flow (2)
46	283.17	100.27	Shut-In(2)
60	1075.76	100.62	End Shut-In(2)
63	1636.20	100.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	SOCM 5%O, 95%M	0.91
310.00	DRL MUD 100%	1.77

Gas Rates

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



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TOOL DIAGRAM

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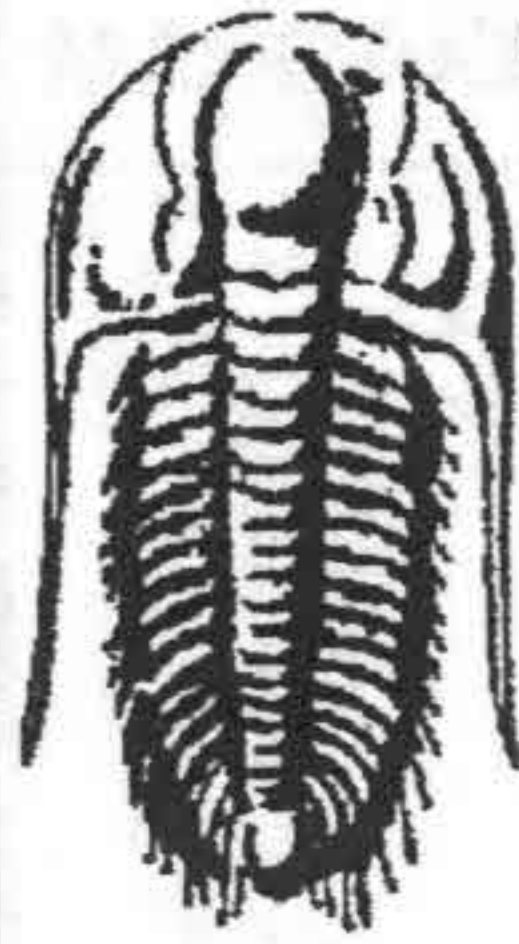
Tool Information

Drill Pipe:	Length: 2909.00 ft	Diameter: 3.80 inches	Volume: 40.81 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 468.00 ft	Diameter: 2.25 inches	Volume: 2.30 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	40000.00 lb
			<u>Total Volume: 43.11 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3390.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3375.00	
Hydraulic tool	5.00			3380.00	
Packer	5.00			3385.00	20.00 Bottom Of Top Packer
Packer	5.00			3390.00	
Stubb	1.00			3391.00	
Perforations	1.00			3392.00	
Change Over Sub	1.00			3393.00	
Recorder	0.00	8372	Inside	3393.00	
Recorder	0.00	8734	Outside	3393.00	
Blank Spacing	31.00			3424.00	
Change Over Sub	1.00			3425.00	
Perforations	10.00			3435.00	
Bullnose	3.00			3438.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 3800.00 ppm
Filter Cake: inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	SOCM 5%O, 95%M	0.910
310.00	DRL MUD 100%	1.770

Total Length: 495.00 ft Total Volume: 2.680 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

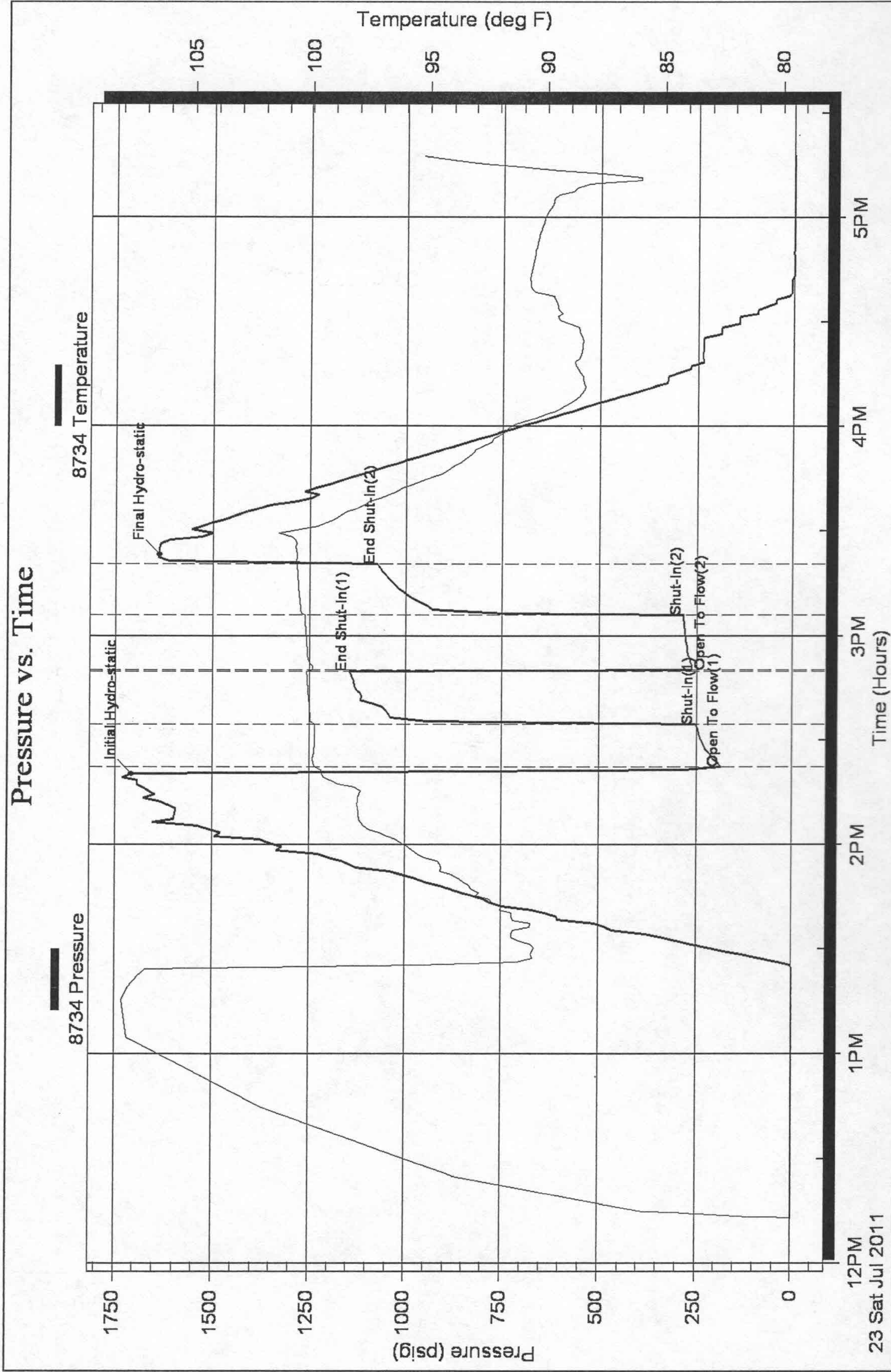
Recovery Comments:

Serial #: 8734

Outside Prospect Oil & Gas Corp

12-9-17 Rooks, KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 43425

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