

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pelican Hill Oil & Gas, Inc.**

1401 N El Camino Real
Ste 207
San Clemente, CA 92672

ATTN: AL Downing

26 14s 21w Trego KS

Groff Trust #1-26

Start Date: 2009.09.22 @ 13:15:03

End Date: 2009.09.22 @ 18:15:33

Job Ticket #: 35464 DST #: 1

15-195-22623

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Pelican Hill Oil & Gas, Inc.

Groff Trust #1-26

26 14s 21w Trego KS

DST # 1

LKC "C"

2009.09.22



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Job Ticket: 35464 **DST#: 1**
Test Start: 2009.09.22 @ 13:15:03

GENERAL INFORMATION:

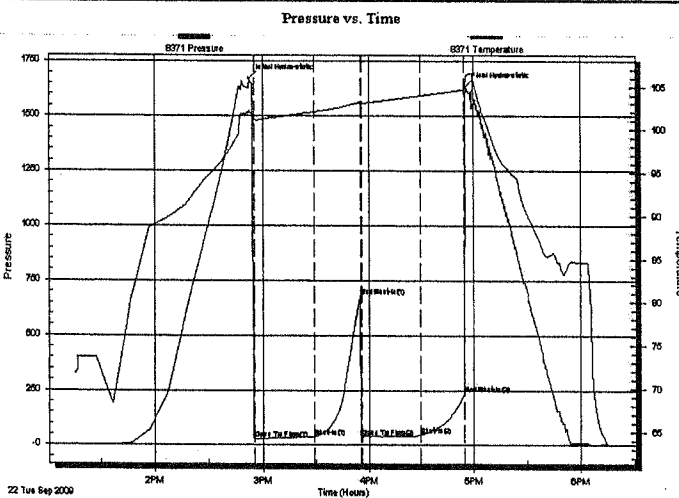
Formation: **LKC "C"**
 Deviated: **No Whipstock** ft (KB)
 Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **14:55:33**
 Tester: **Brett Dickinson**
 Time Test Ended: **18:15:33**
 Unit No: **41**
 Interval: **3421.00 ft (KB) To 3487.00 ft (KB) (TVD)**
 Reference Elevations: **2105.00 ft (KB)**
 Total Depth: **3487.00 ft (KB) (TVD)**
2094.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition:
 KB to GR/CF: **11.00 ft**

Serial #: 8371

Inside

Press@RunDepth: **46.03 psig @ 3425.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2009.09.22** End Date: **2009.09.22** Last Callb.: **2009.09.22**
 Start Time: **13:15:08** End Time: **18:15:32** Time On Btm: **2009.09.22 @ 14:52:33**
 Time Off Btm: **2009.09.22 @ 16:55:33**

TEST COMMENT: IF- 1.25in blow
 ISI-No blow
 FF-1.75in blow
 ISI-No blow



PRESSURE SUMMARY

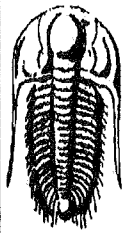
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.87	102.14	Initial Hydro-static
3	29.81	101.16	Open To Flow (1)
36	37.65	102.04	Shut-In(1)
63	680.10	103.15	End Shut-In(1)
64	38.68	102.98	Open To Flow(2)
97	46.03	103.93	Shut-In(2)
122	236.10	104.67	End Shut-In(2)
123	1636.56	105.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 20%O 80%M	0.15

Gas Rates

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



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TOOL DIAGRAM

Pelican Hill Oil & Gas, Inc.

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ATTN: AL Downing

26 14s 21w Trego KS

Job Ticket: 35464

DST#: 1

Test Start: 2009.09.22 @ 13:15:03

Tool Information

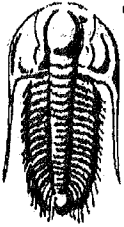
Drill Pipe:	Length: 3102.00 ft	Diameter: 3.80 inches	Volume: 43.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 69000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3421.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3406.00	
Hydraulic tool	5.00			3411.00	
Packer	5.00			3416.00	20.00 Bottom Of Top Packer
Packer	5.00			3421.00	
Stubb	1.00			3422.00	
Perforations	3.00			3425.00	
Recorder	0.00	8018	Inside	3425.00	
Recorder	0.00	8371	Inside	3425.00	
Perforations	25.00			3450.00	
Change Over Sub	1.00			3451.00	
Blank Spacing	32.00			3483.00	
Change Over Sub	1.00			3484.00	
Bullnose	3.00			3487.00	66.00 Bottom Packers & Anchor

Total Tool Length: 86.00



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FLUID SUMMARY

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ATTN: AL Downing

26 14s 21w Trego KS

Job Ticket: 35464 **DST#: 1**
Test Start: 2009.09.22 @ 13:15:03

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:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: inches			

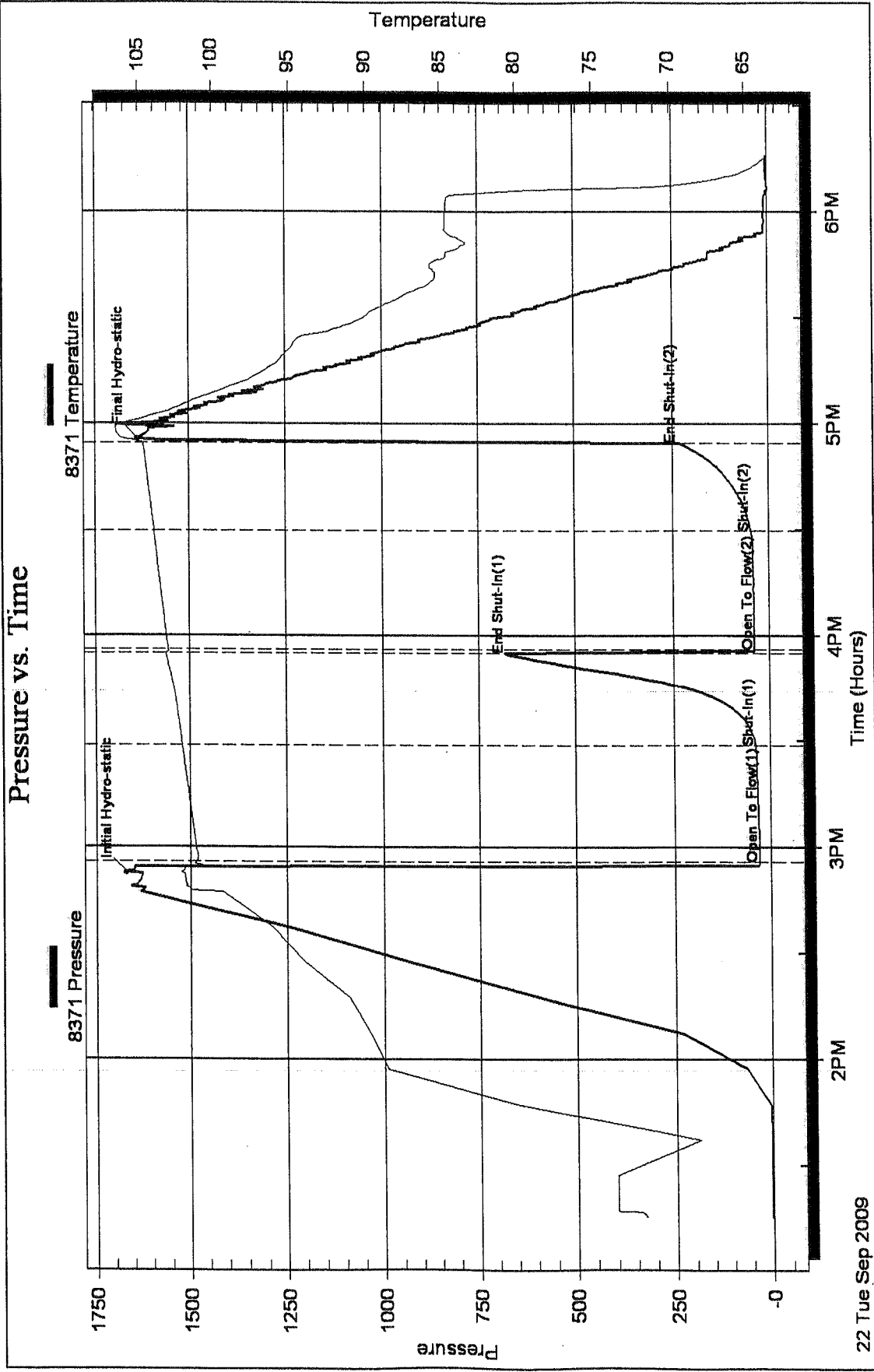
Recovery Information

Recovery Table

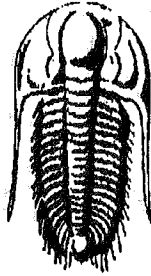
Length ft	Description	Volume bbl
30.00	OCM 20%O 80%M	0.148

Total Length: 30.00ft Total Volume: 0.148 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



22 Tue Sep 2009



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Groff Trust #1-26

Start Date: 2009.09.23 @ 15:21:36

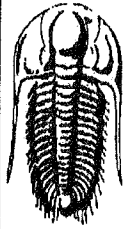
End Date: 2009.09.23 @ 23:38:06

Job Ticket #: 35465 DST #: 2

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ATTN: AL Downing

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Job Ticket: 35465

DST#: 2

Test Start: 2009.09.23 @ 15:21:36

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:25:36

Time Test Ended: 23:38:06

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 41

Interval: **3770.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Total Depth: 3810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2105.00 ft (KB)

2094.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8371

Inside

Press@RunDepth: 133.21 psig @ 3774.00 ft (KB)

Start Date: 2009.09.23

End Date:

2009.09.23

Capacity: 8000.00 psig

Last Calib.: 2009.09.23

Start Time: 15:21:41

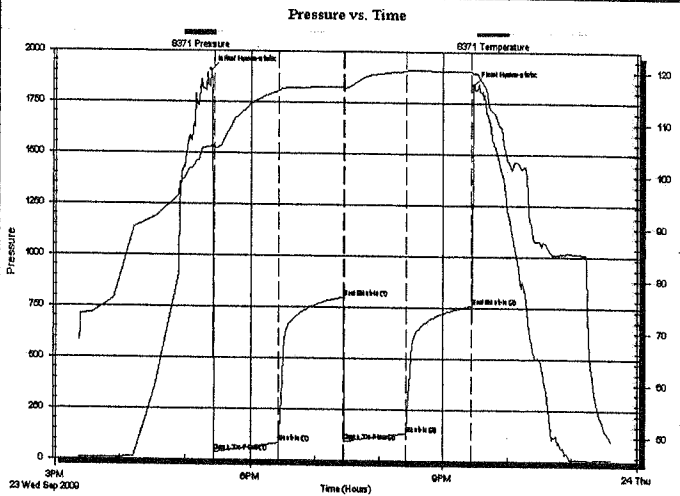
End Time:

23:38:05

Time On Btm: 2009.09.23 @ 17:23:06

Time Off Btm: 2009.09.23 @ 21:28:05

TEST COMMENT: IF- BOB in 40min
IS- Very weak surface blow died in 28min
FF- 7in blow
FSI- Very weak surface blow died in 14min



PRESSURE SUMMARY

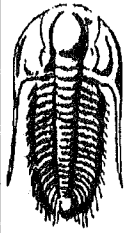
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.09	105.44	Initial Hydro-static
3	34.89	105.11	Open To Flow (1)
63	83.84	116.19	Shut-In(1)
123	797.42	117.09	End Shut-In(1)
124	92.11	116.82	Open To Flow (2)
182	133.21	120.11	Shut-In(2)
243	758.81	120.10	End Shut-In(2)
245	1835.25	119.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OMCW 5%O 10%M 85%W	0.30
60.00	OMCW 5%O 40%M 55%W	0.30
60.00	MCO 20%M 10%G 70%O	0.30
100.00	GO 20%G 80%O	0.49
0.00	150ft GIP	0.00

Gas Rates

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



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Job Ticket: 35465

DST#: 2

Test Start: 2009.09.23 @ 15:21:36

Tool Information

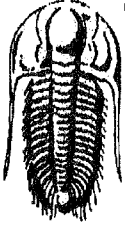
Drill Pipe:	Length: 3448.00 ft	Diameter: 3.80 inches	Volume: 48.37 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 310.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3770.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3755.00	
Hydraulic tool	5.00			3760.00	
Packer	5.00			3765.00	20.00 Bottom Of Top Packer
Packer	5.00			3770.00	
Stubb	1.00			3771.00	
Perforations	3.00			3774.00	
Recorder	0.00	8018	Inside	3774.00	
Recorder	0.00	8371	Inside	3774.00	
Change Over Sub	1.00			3775.00	
Blank Spacing	31.00			3806.00	
Change Over Sub	1.00			3807.00	
Bullnose	3.00			3810.00	40.00 Bottom Packers & Anchor

Total Tool Length: 60.00



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Job Ticket: 35465 DST#: 2
Test Start: 2009.09.23 @ 15:21:36

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 31000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6300.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OMCW 5%O 10%M 85%W	0.295
60.00	OMCW 5%O 40%M 55%W	0.295
60.00	MCO 20%M 10%G 70%O	0.295
100.00	GO 20%G 80%O	0.492
0.00	150ft GIP	0.000

Total Length: 280.00 ft Total Volume: 1.377 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

