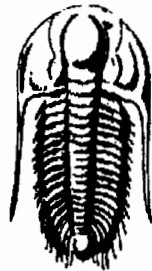


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**TRILOBITE
TESTING, INC.**

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DRILL STEM TEST REPORT

Prepared For: **Oxy USA**

PO BOX 2528
Liberal KS 67905

ATTN: Tom Heflin

7-34S-35W Stevens KS

Lohrens A-1

Start Date: 2001.06.29 @ 22:04:08

End Date: 2001.06.30 @ 08:49:06

Job Ticket #: 13406 DST #: 1

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RELEASED

OCT 07 2002

FROM CONFIDENTIAL

Oxy USA

Lohrens A-1

7-34S-35W Stevens KS

DST # 1

Morrow SS

2001.06.29

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Oxy USA

PO BOX 2528
Liberal KS 67905

ATTN: Tom Heflin

Lohrens A-1

7-34S-35W Stevens KS

Job Ticket: 13406

DST#: 1

Test Start: 2001.06.29 @ 22:04:08

GENERAL INFORMATION:

Formation: **Morrow SS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:32:36

Time Test Ended: 08:49:06

Interval: **6145.00 ft (KB) To 6159.00 ft (KB) (TVD)**

Total Depth: 6159.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

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Test Type: Conventional Bottom Hole

Tester: Allan Moodie

Unit No: 20

Reference Elevations: 3032.00 ft (KB)

3020.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 3027

Inside

Press@RunDepth: 241.19 psig @ 6147.00 ft (KB)

Start Date: 2001.06.29

End Date:

2001.06.30

Start Time: 22:04:08

End Time:

08:49:06

Capacity: 7000.00 psig

Last Calib.: 2001.01.02

Time On Btm: 2001.06.30 @ 01:29:21

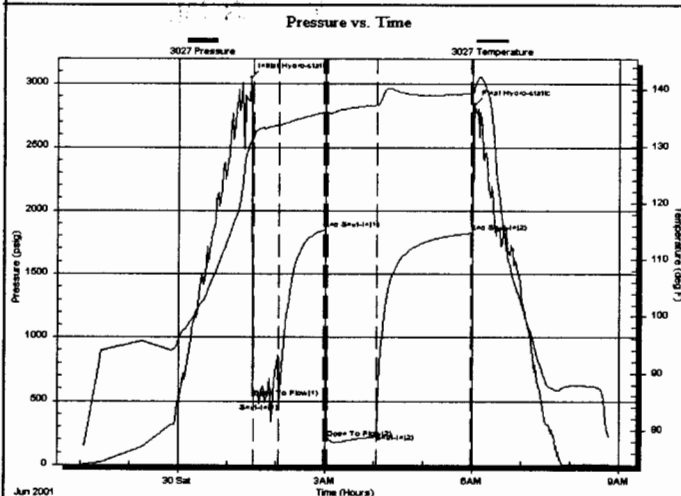
Time Off Btm: 2001.06.30 @ 06:02:51

TEST COMMENT: IF- strong blow 7 min to bob

ISI- no blow back

FF- strong blow bob as soon as open gas surfaced in 45 min

FSI- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3048.97	130.91	Initial Hydro-static
4	515.58	131.83	Open To Flow (1)
34	476.29	133.80	Shut-In(1)
89	1845.51	135.98	End Shut-In(1)
94	205.10	136.06	Open To Flow (2)
154	241.19	137.27	Shut-In(2)
269	1822.64	139.41	End Shut-In(2)
274	2838.50	140.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Oxy USA

Lohrens A-1

PO BOX 2528
Liberal KS 67905

7-34S-35W Stevens KS

Job Ticket: 13406

DST#: 1

ATTN: Tom Heflin

Test Start: 2001.06.29 @ 22:04:08

Tool Information

Drill Pipe:	Length: 5514.00 ft	Diameter: 3.80 inches	Volume: 77.35 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 635.00 ft	Diameter: 2.25 inches	Volume: 3.12 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 80.47 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 102000.0 lb
Depth to Top Packer:	6145.00 ft			Final 104000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			6116.00	
S.I. Tool	5.00			6121.00	
Sampler	3.00			6124.00	
HMV	5.00			6129.00	
Jars	5.00			6134.00	
Safety Joint	2.00			6136.00	
Packer	5.00			6141.00	30.00 Bottom Of Top Packer
Packer	4.00			6145.00	
Stubb	1.00			6146.00	
Perforations	1.00			6147.00	
Recorder	0.00	3027	Inside	6147.00	
Perforations	10.00			6157.00	
Recorder	0.00	11019	Outside	6157.00	
Bullnose	2.00			6159.00	14.00 Bottom Packers & Anchor

Total Tool Length: 44.00

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TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Oxy USA

Lohrens A-1

PO BOX 2528
Liberal KS 67905

7-34S-35W Stevens KS

Job Ticket: 13406

DST#: 1

ATTN: Tom Heflin

Test Start: 2001.06.29 @ 22:04:08

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00		0.000

Total Length: ft Total Volume: bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

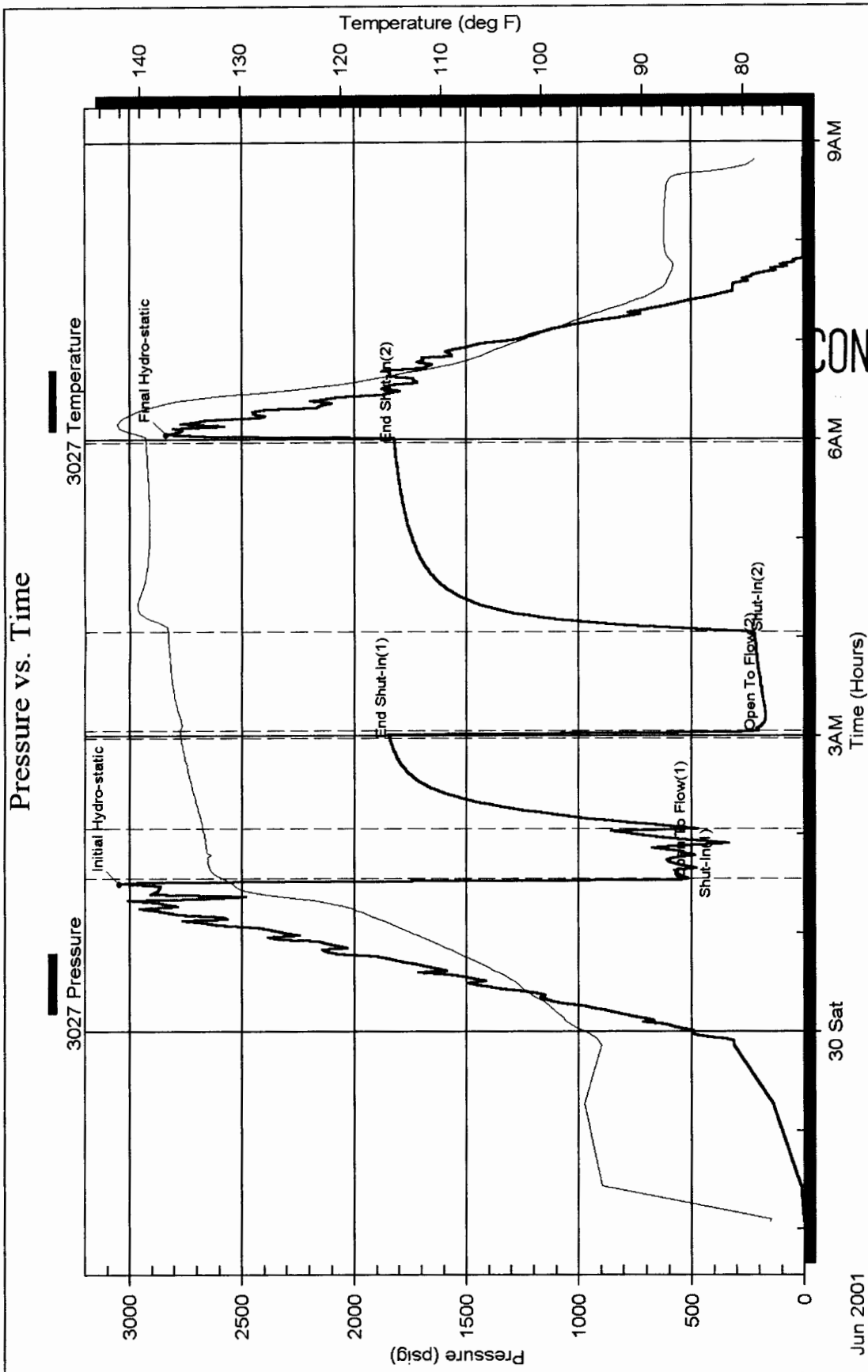
Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments: 2.0 cubic ft of gas at 150 psi

Pressure vs. Time



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Ref. No: 13406

Trilobite Testing, Inc