

RECEIVED
FEB 24 2003
KCS

ORIGINAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carrol Blvd
#214
Denton Texas 76201

ATTN: Hal Porter

28-12s-16w Ellis Ks

Deanna #28-1

Start Date: 2003.01.18 @ 00:33:50

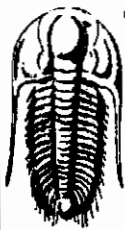
End Date: 2003.01.18 @ 07:58:49

Job Ticket #: 16737 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp

303 N Carrol Blvd
#214
Denton Texas 76201
ATTN: Hal Porter

Deanna #28-1

28-12s-16w Ellis Ks

Job Ticket: 16737

DST#: 1

Test Start: 2003.01.18 @ 00:33:50

GENERAL INFORMATION:

Formation: **Tor-- LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:45:49

Time Test Ended: 07:58:49

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3223.00 ft (KB) To 3335.00 ft (KB) (TVD)

Total Depth: 3335.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2064.00 ft (KB)

2059.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: 131.88 psig @ 3226.01 ft (KB)

Start Date: 2003.01.18

End Date:

2003.01.18

Start Time: 00:33:50

End Time:

07:58:49

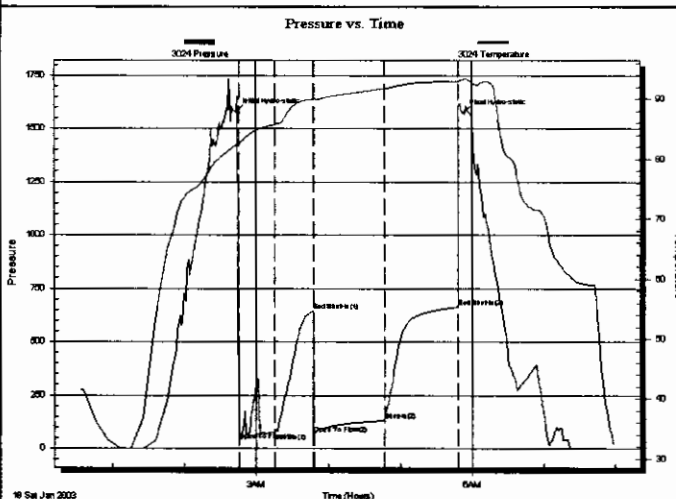
Capacity: 7000.00 psig

Last Calib.: 2003.01.18

Time On Btm: 2003.01.18 @ 02:43:49

Time Off Btm: 2003.01.18 @ 05:52:49

TEST COMMENT: FFP-wk to strg in 15 min
FFP-strg bl thru-out
Times 30-30-60-60
ISP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.19	82.37	Initial Hydro-static
2	34.89	82.62	Open To Flow (1)
32	73.04	85.73	Shut-In(1)
64	645.78	90.00	End Shut-In(1)
65	69.65	90.02	Open To Flow (2)
123	131.88	91.74	Shut-In(2)
185	662.20	92.98	End Shut-In(2)
189	1573.94	93.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	HO&GCM 25%gas 25%oil 50%mud	0.59
60.00	MGO 35%gas 35%oil 30%mud	0.84
60.00	Clean Oil	0.84
960.00	GIP	13.47

Gas Rates

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

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Imperial American Oil Corp 303 N Carrol Blvd #214 Denton Texas 76201 ATTN: Hal Porter		Deanna #28-1 28-12s-16w Ellis Ks Job Ticket: 16737 DST#: 1 Test Start: 2003.01.18 @ 00:33:50

Tool Information			
Drill Pipe:	Length: 3110.00 ft	Diameter: 3.80 inches	Volume: 43.63 bbl
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl
		Total Volume: 44.22 bbl	
Drill Pipe Above KB:	28.00 ft		
Depth to Top Packer:	3223.00 ft		
Depth to Bottom Packer:	ft		
Interval between Packers:	112.02 ft		
Tool Length:	133.02 ft		
Number of Packers:	2	Diameter:	6.75 inches
Tool Comments:			

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3203.00	
Shut In Tool	5.00			3208.00	
Hydraulic tool	5.00			3213.00	
Packer	5.00			3218.00	21.00 Bottom Of Top Packer
Packer	5.00			3223.00	
Stubb	1.00			3224.00	
Perforations	1.00			3225.00	
Change Over Sub	1.00			3226.00	
Recorder	0.01	3024	Inside	3226.01	
Blank Spacing	92.00			3318.01	
Change Over Sub	1.00			3319.01	
Perforations	13.00			3332.01	
Recorder	0.01	11085	Outside	3332.02	
Bullnose	3.00			3335.02	112.02 Bottom Packers & Anchor
Total Tool Length:				133.02	

101027

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY															
	Imperial American Oil Corp 303 N Carrol Blvd #214 Denton Texas 76201 ATTN: Hal Porter	Deanna #28-1 28-12s-16w Ellis Ks Job Ticket: 16737 DST#: 1 Test Start: 2003.01.18 @ 00:33:50																
Mud and Cushion Information																		
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 51.00 sec/qt Water Loss: 8.72 in ³ Resistivity: ohm.m Salinity: 7500.00 ppm Filter Cake: 1.00 inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig Oil API: 30 deg API Water Salinity: ppm																
Recovery Information																		
Recovery Table																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 55%;">Description</th> <th style="width: 30%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">120.00</td> <td>HO&GCM 25%gas 25%oil 50%mud</td> <td style="text-align: center;">0.590</td> </tr> <tr> <td style="text-align: center;">60.00</td> <td>MGO 35%gas 35%oil 30%mud</td> <td style="text-align: center;">0.842</td> </tr> <tr> <td style="text-align: center;">60.00</td> <td>Clean Oil</td> <td style="text-align: center;">0.842</td> </tr> <tr> <td style="text-align: center;">960.00</td> <td>GIP</td> <td style="text-align: center;">13.466</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	120.00	HO&GCM 25%gas 25%oil 50%mud	0.590	60.00	MGO 35%gas 35%oil 30%mud	0.842	60.00	Clean Oil	0.842	960.00	GIP	13.466
Length ft	Description	Volume bbl																
120.00	HO&GCM 25%gas 25%oil 50%mud	0.590																
60.00	MGO 35%gas 35%oil 30%mud	0.842																
60.00	Clean Oil	0.842																
960.00	GIP	13.466																
Total Length: 1200.00 ft		Total Volume: 15.740 bbl																
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:																
Laboratory Name:		Laboratory Location:																
Recovery Comments:																		

Serial #: 3024

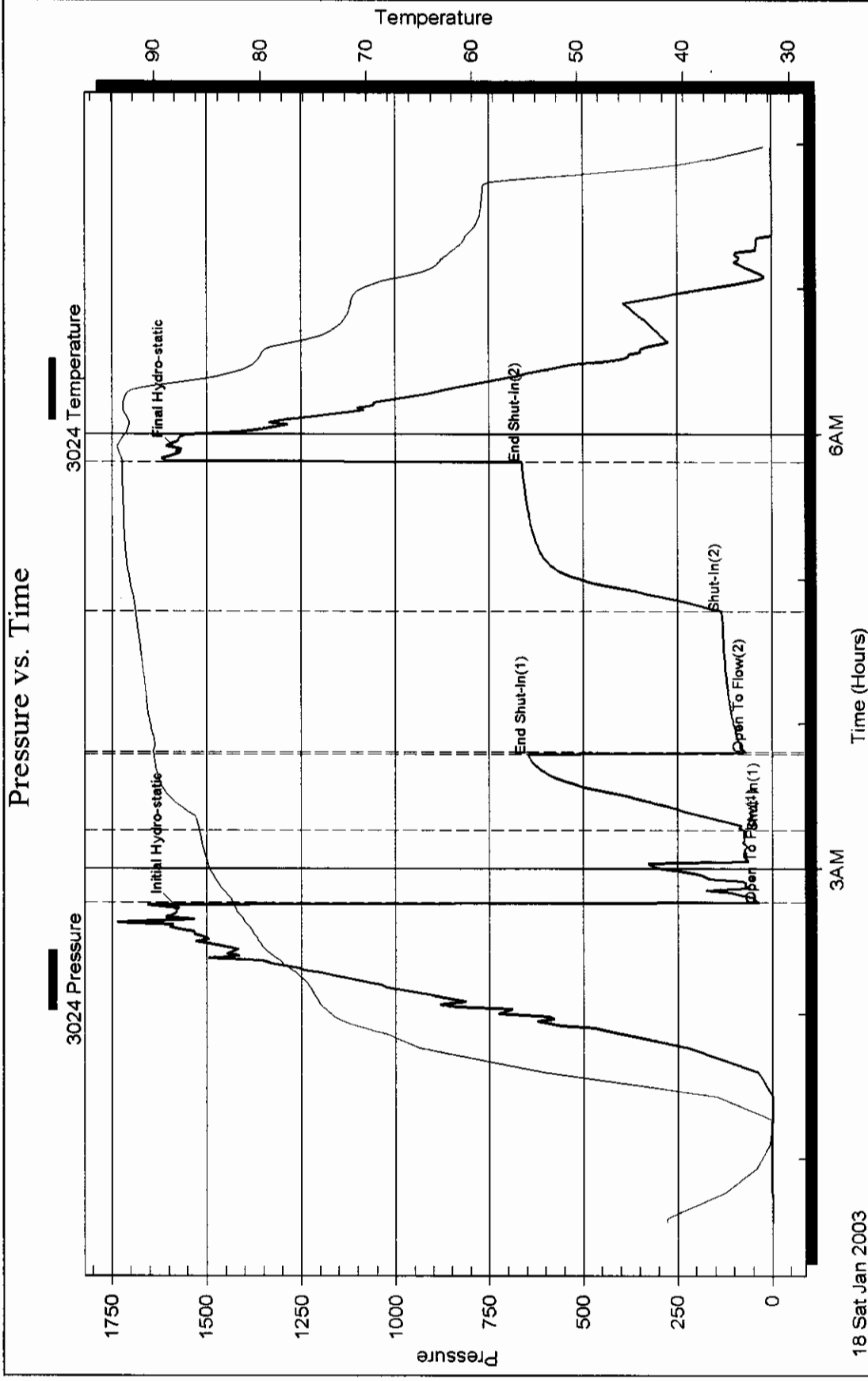
Imperial American Oil Corp

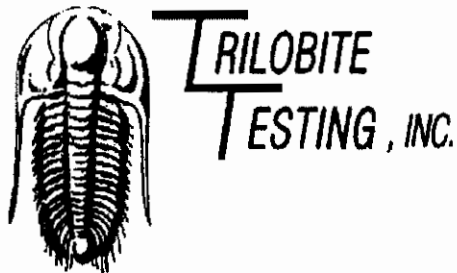
Inside

28-12s-16w Ellis Ks

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carol Blvd
#214
Denton Texas 76201

ATTN: Hal Porter

28-12s-16w Ellis Ks

Deanna #28-1

Start Date: 2003.01.18 @ 14:54:35

End Date: 2003.01.18 @ 21:13:34

Job Ticket #: 16738 DST #: 2

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp

Deanna #28-1

 303 N Carrol Blvd
 #214
 Denton Texas 76201
 ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16738

DST#: 2

Test Start: 2003.01.18 @ 14:54:35

GENERAL INFORMATION:

Formation: LKC E-G

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:30:04

Time Test Ended: 21:13:34

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3335.00 ft (KB) To 3376.00 ft (KB) (TVD)

Total Depth: 3376.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2064.00 ft (KB)

2059.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: 95.87 psig @ 3336.01 ft (KB)

Start Date: 2003.01.18

End Date:

2003.01.18

Start Time: 14:54:35

End Time:

21:13:34

Capacity: 7000.00 psig

Last Calib.: 2003.01.18

Time On Btm: 2003.01.18 @ 16:27:34

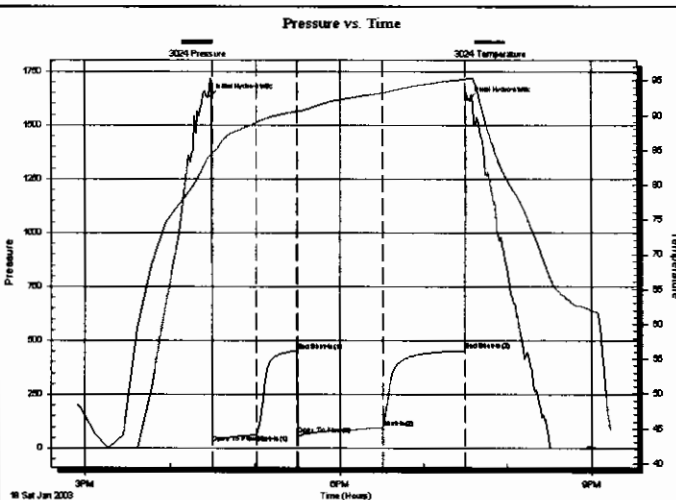
Time Off Btm: 2003.01.18 @ 19:32:34

TEST COMMENT: IFP-wk to strg in 11 min

FFP-wk to strg in 3 Min

Times 30-30-60-60

w k bl bk on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.30	84.02	Initial Hydro-static
3	23.29	84.59	Open To Flow (1)
34	62.74	88.95	Shut-In (1)
62	452.33	90.57	End Shut-In (1)
63	63.05	90.62	Open To Flow (2)
123	95.87	93.25	Shut-In (2)
182	453.02	95.17	End Shut-In (2)
185	1616.04	95.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MGO 20%gas 60%oil 20%mud	0.59
100.00	GMO 60%gas 35%oil 5%mud	1.40
1220.00	GIP	17.11

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Deanna #28-1

303 N Carrol Blvd
#214
Denton Texas 76201
ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16738 DST#: 2

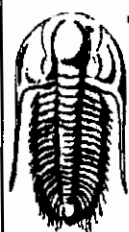
Test Start: 2003.01.18 @ 14:54:35

Tool Information

Drill Pipe:	Length: 3205.00 ft	Diameter: 3.80 inches	Volume: 44.96 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 45.55 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3335.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.02 ft			
Tool Length:	62.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Packer	5.00			3330.00	21.00 Bottom Of Top Packer
Packer	5.00			3335.00	
Stubb	1.00			3336.00	
Recorder	0.01	3024	Inside	3336.01	
Perforations	37.00			3373.01	
Recorder	0.01	11085	Outside	3373.02	
Bullnose	3.00			3376.02	41.02 Bottom Packers & Anchor
Total Tool Length:	62.02				


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Oil Corp

Deanna #28-1

 303 N Carrol Blvd
 #214
 Denton Texas 76201
 ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16738

DST#: 2

Test Start: 2003.01.18 @ 14:54:35

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.33 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MGO 20%gas 60%oil 20%mud	0.590
100.00	GMO 60%gas 35%oil 5%mud	1.403
1220.00	GIP	17.113

Total Length: 1440.00 ft

Total Volume: 19.106 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

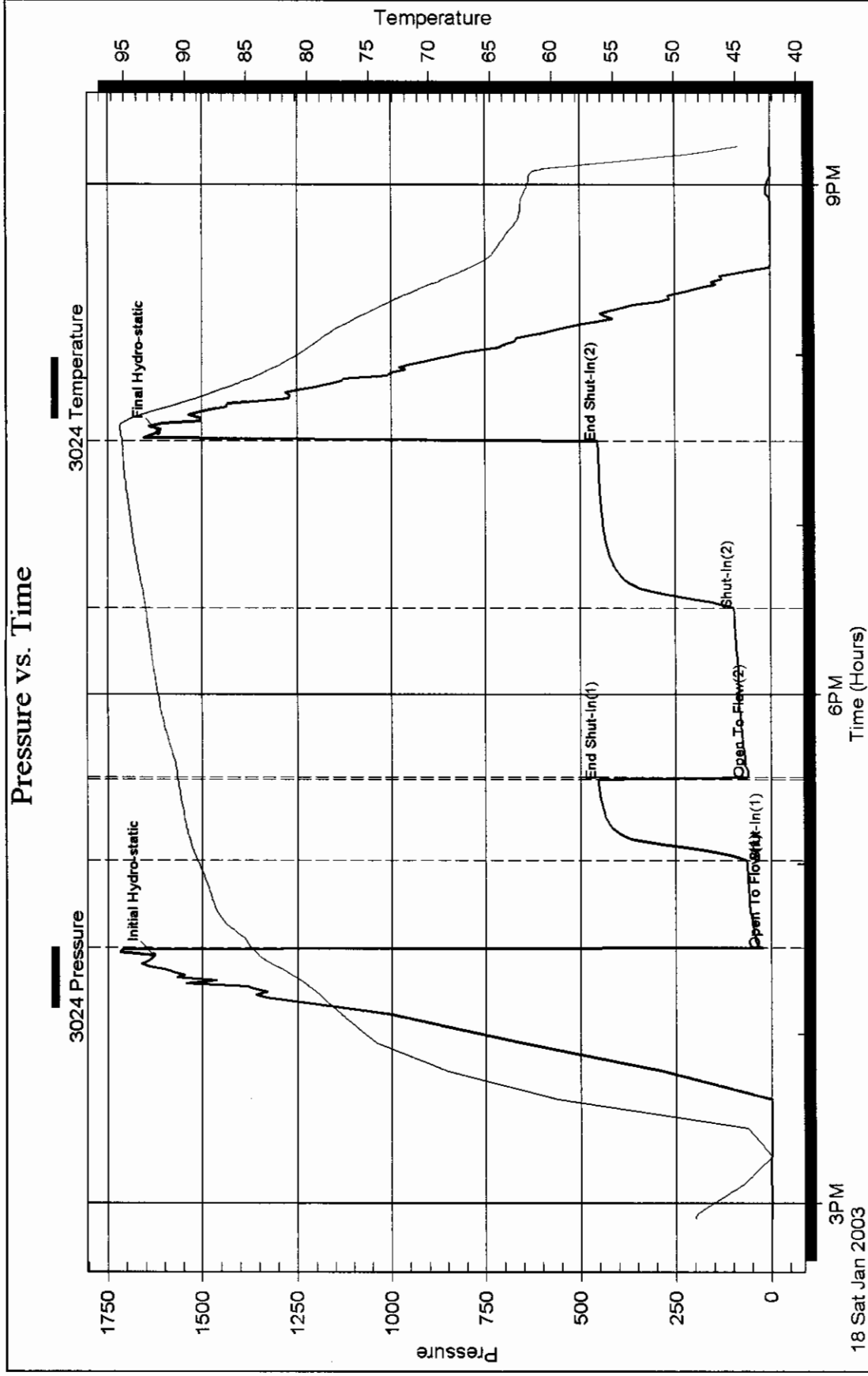
Serial #: 3024

Inside

Imperial American Oil Corp

28-12s-16w Ellis Ks

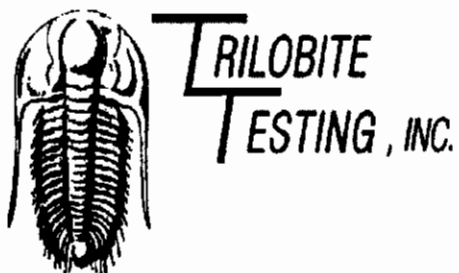
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 16738

Printed: 2003.01.21 @ 16:09:21 Page 5



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carrol Blvd
#214
Denton Texas 76201

ATTN: Hal Porter

28-12s-16w Ellis Ks

Deanna #28-1

Start Date: 2003.01.19 @ 07:22:26

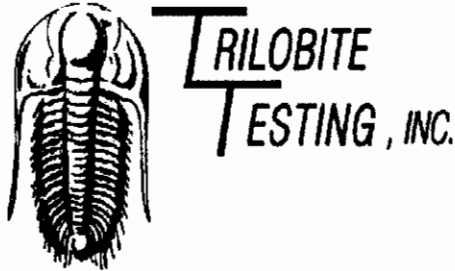
End Date: 2003.01.19 @ 14:10:55

Job Ticket #: 16739 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carrol Blvd
#214
Denton Texas 76201

ATTN: Hal Porter

28-12s-16w Ellis Ks

Deanna #28-1

Start Date: 2003.01.19 @ 07:22:26

End Date: 2003.01.19 @ 14:10:55

Job Ticket #: 16739 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp

303 N Carrol Blvd
#214
Denton Texas 76201
ATTN: Hal Porter

Deanna #28-1

28-12s-16w Ellis Ks

Job Ticket: 16739

DST#: 3

Test Start: 2003.01.19 @ 07:22:26

GENERAL INFORMATION:

Formation: LKC H-K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:13:55

Time Test Ended: 14:10:55

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3395.00 ft (KB) To 3500.00 ft (KB) (TVD)

Total Depth: 3500.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 2064.00 ft (KB)

2059.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: 123.43 psig @ 3404.01 ft (KB)

Start Date: 2003.01.19

End Date:

2003.01.19

Start Time: 07:22:26

End Time:

14:10:55

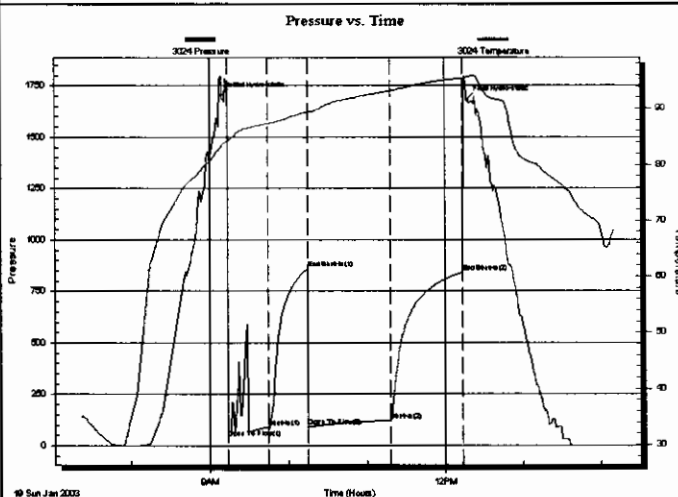
Capacity: 7000.00 psig

Last Calib.: 2003.01.19

Time On Btm: 2003.01.19 @ 09:09:25

Time Off Btm: 2003.01.19 @ 12:17:25

TEST COMMENT: FFP-w k to strg in 24 min
FFP-w k to strg in 28 min
Times 30-30-60-60
w k surface bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.59	83.49	Initial Hydro-static
5	38.13	84.29	Open To Flow (1)
35	89.18	87.30	Shut-In(1)
66	857.37	89.39	End Shut-In(1)
66	91.40	89.43	Open To Flow (2)
129	123.43	93.15	Shut-In(2)
185	841.88	95.42	End Shut-In(2)
188	1681.33	95.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MGO 10%gas 60 %oil 30%mud	1.43
90.00	GMO 50%gas 40%oil 10%mud	1.26
630.00	GIP	8.84

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Deanna #28-1

303 N Carrol Blvd
#214
Denton Texas 76201
ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16739

DST#: 3

Test Start: 2003.01.19 @ 07:22:26

Tool Information

Drill Pipe:	Length: 3268.00 ft	Diameter: 3.80 inches	Volume: 45.84 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 46.43 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3395.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.02 ft			
Tool Length:	126.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

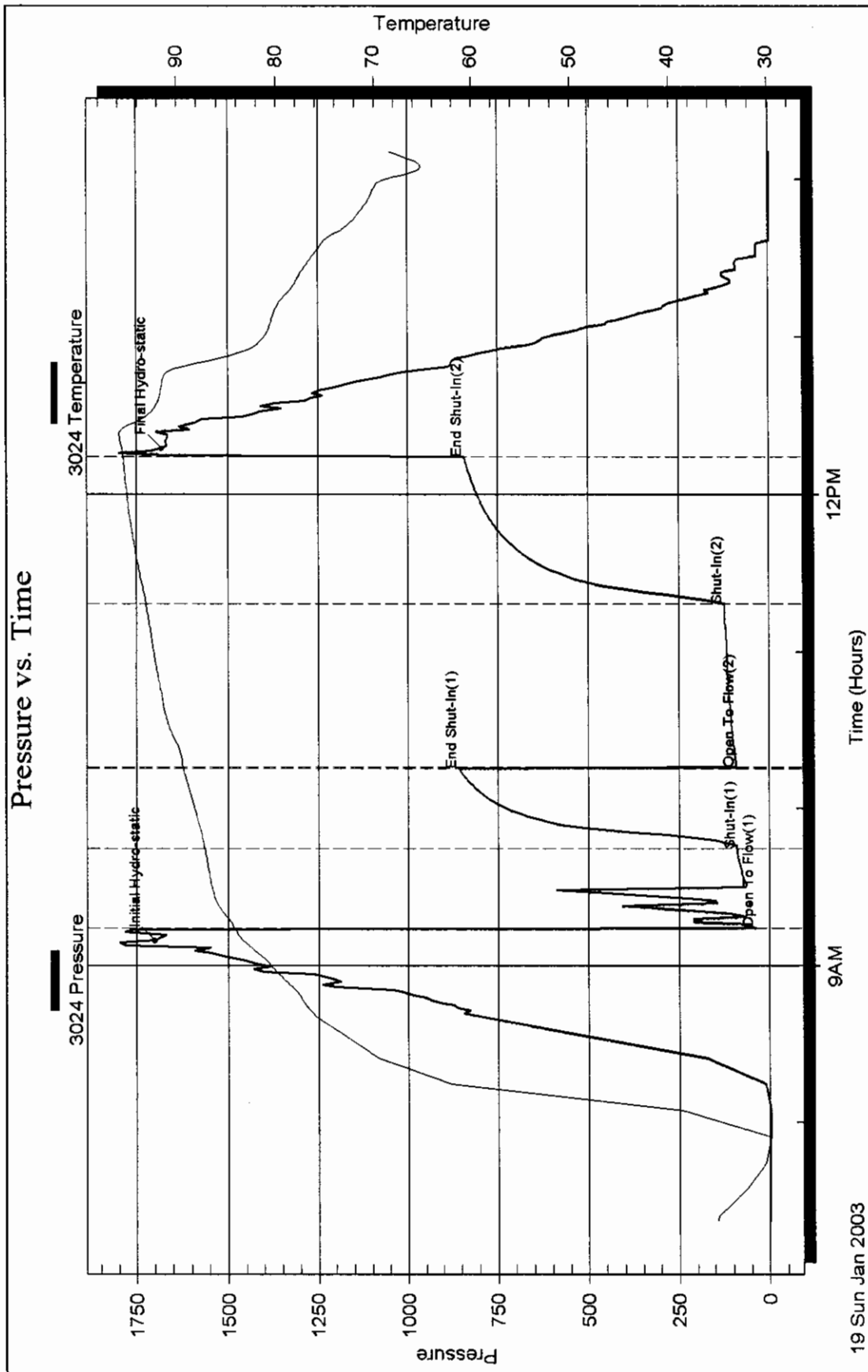
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3375.00	
Shut In Tool	5.00			3380.00	
Hydraulic tool	5.00			3385.00	
Packer	5.00			3390.00	21.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Perforations	7.00			3403.00	
Change Over Sub	1.00			3404.00	
Recorder	0.01	3024	Inside	3404.01	
Blank Spacing	62.00			3466.01	
Change Over Sub	1.00			3467.01	
Perforations	30.00			3497.01	
Recorder	0.01	11085	Outside	3497.02	
Bullnose	3.00			3500.02	105.02 Bottom Packers & Anchor

Total Tool Length: 126.02

101027

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY												
	Imperial American Oil Corp 303 N Carrol Blvd #214 Denton Texas 76201 ATTN: Hal Porter	Deanna #28-1 28-12s-16w Ellis Ks Job Ticket: 16739 DST#: 3 Test Start: 2003.01.19 @ 07:22:26													
Mud and Cushion Information															
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 5.00 sec/qt Water Loss: 8.34 in ³ Resistivity: ohm.m Salinity: 6500.00 ppm Filter Cake: 1.00 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															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 60%;">Description</th> <th style="width: 25%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">180.00</td> <td>MGO 10%gas 60 %oil 30%mud</td> <td style="text-align: center;">1.432</td> </tr> <tr> <td style="text-align: center;">90.00</td> <td>GMO 50%gas 40%oil 10%mud</td> <td style="text-align: center;">1.262</td> </tr> <tr> <td style="text-align: center;">630.00</td> <td>GIP</td> <td style="text-align: center;">8.837</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	180.00	MGO 10%gas 60 %oil 30%mud	1.432	90.00	GMO 50%gas 40%oil 10%mud	1.262	630.00	GIP	8.837
Length ft	Description	Volume bbl													
180.00	MGO 10%gas 60 %oil 30%mud	1.432													
90.00	GMO 50%gas 40%oil 10%mud	1.262													
630.00	GIP	8.837													
Total Length: 900.00 ft		Total Volume: 11.531 bbl													
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:													
Laboratory Name:		Laboratory Location:													
Recovery Comments:															

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carrol Blvd
#214
Denton Texas 76201

ATTN: Hal Porter

28-12s-16w Ellis Ks

Deanna #28-1

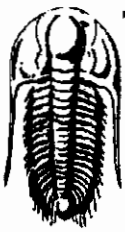
Start Date: 2003.01.19 @ 21:58:00

End Date: 2003.01.20 @ 04:30:29

Job Ticket #: 16740 DST #: 4

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

101027


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp

Deanna #28-1

 303 N Carrol Blvd
 #214
 Denton Texas 76201
 ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16740

DST#: 4

Test Start: 2003.01.19 @ 21:58:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:45:29

Time Test Ended: 04:30:29

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3506.00 ft (KB) To 3547.00 ft (KB) (TVD)

Reference Elevations: 2064.00 ft (KB)

Total Depth: 3547.00 ft (KB) (TVD)

2059.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 3024

Inside

Press@RunDepth: 71.36 psig @ 3507.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.01.19

End Date:

2003.01.20

Last Calib.: 2003.01.20

Start Time: 21:58:00

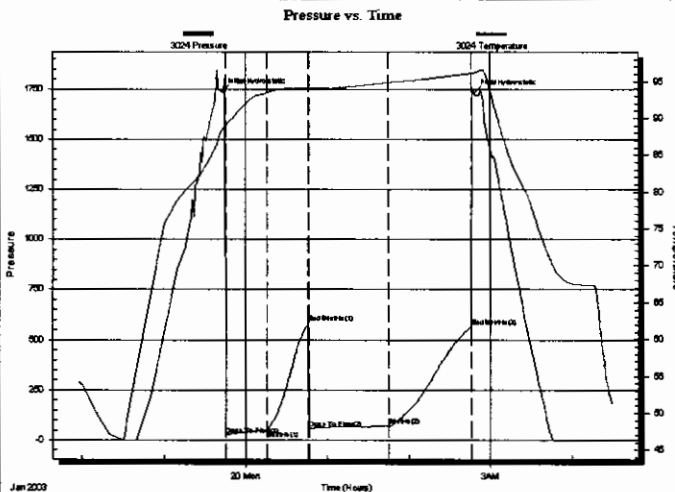
End Time:

04:30:29

Time On Btm: 2003.01.19 @ 23:42:59

Time Off Btm: 2003.01.20 @ 02:48:29

TEST COMMENT: IFP-wk bl thru-out 1/2" to 2" bl
 FFP-wk bl 1" to 1 1/2" bl
 Times 30-30-60-60
 no bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.02	88.36	Initial Hydro-static
3	24.55	89.01	Open To Flow (1)
33	49.95	93.46	Shut-In(1)
63	584.91	94.02	End Shut-In(1)
64	57.42	94.03	Open To Flow (2)
122	71.36	94.84	Shut-In(2)
183	566.01	96.09	End Shut-In(2)
186	1728.47	96.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HO&GCM 5%gas 20%oil 75%mud	0.30
75.00	Clean Oil	0.51

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Deanna #28-1

303 N Carrol Blvd
#214
Denton Texas 76201
ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16740

DST#: 4

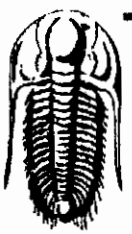
Test Start: 2003.01.19 @ 21:58:00

Tool Information

Drill Pipe:	Length: 3392.00 ft	Diameter: 3.80 inches	Volume: 47.58 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 48.17 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	3506.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.02 ft			
Tool Length:	62.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

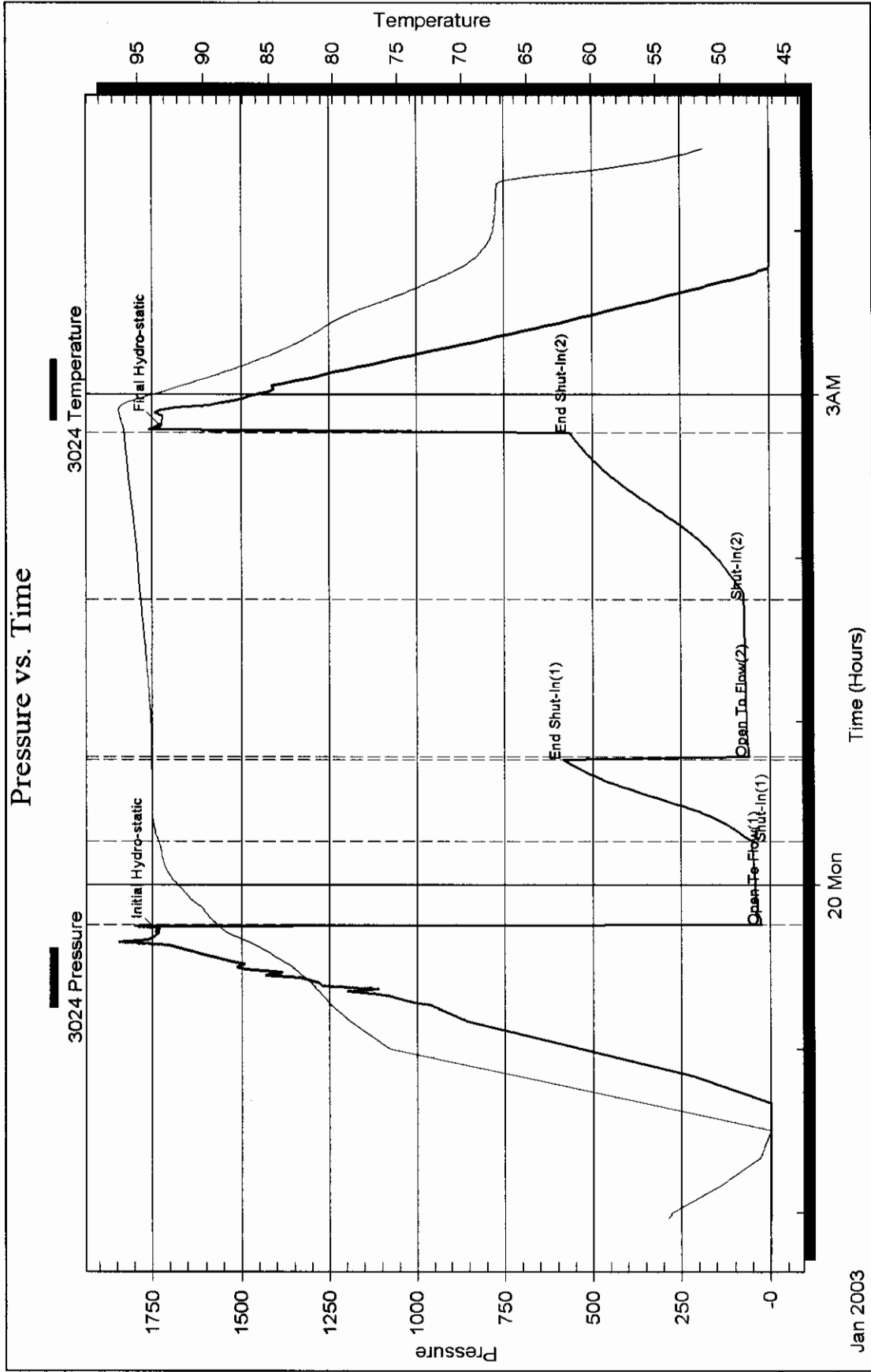
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3486.00	
Shut In Tool	5.00			3491.00	
Hydraulic tool	5.00			3496.00	
Packer	5.00			3501.00	21.00 Bottom Of Top Packer
Packer	5.00			3506.00	
Stubb	1.00			3507.00	
Recorder	0.01	3024	Inside	3507.01	
Perforations	37.00			3544.01	
Recorder	0.01	11085	Outside	3544.02	
Bullnose	3.00			3547.02	41.02 Bottom Packers & Anchor
Total Tool Length:	62.02				

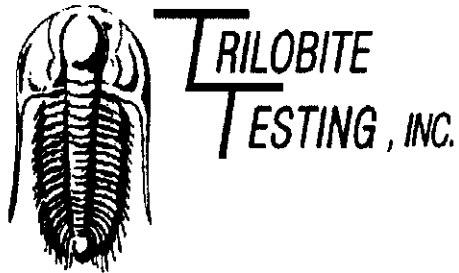
 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY
	Imperial American Oil Corp 303 N Carrol Blvd #214 Denton Texas 76201 ATTN: Hal Porter	Deanna #28-1 28-12s-16w Ellis Ks Job Ticket: 16740 DST#: 4 Test Start: 2003.01.19 @ 21:58:00	

Mud and Cushion Information			
Mud Type: Gel Chem	Cushion Type:	Oil API:	22 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.36 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
60.00	HO&GCM 5%gas 20%oil 75%mud	0.295
75.00	Clean Oil	0.505

Total Length: 135.00 ft	Total Volume: 0.800 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		





DRILL STEM TEST REPORT

Prepared For: **Imperial American Oil Corp**

303 N Carrol Blvd
#214
Denton Texas 76201

ATTN: Hal Porter

28-12s-16w Ellis Ks

Deanna #28-1

Start Date: 2003.01.20 @ 10:59:38

End Date: 2003.01.20 @ 17:07:07

Job Ticket #: 16741 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oil Corp

Deanna #28-1

 303 N Carrol Blvd
 #214
 Denton Texas 76201
 ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16741

DST#: 5

Test Start: 2003.01.20 @ 10:59:38

GENERAL INFORMATION:

Formation: **Arbuckle**Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 12:46:07

Time Test Ended: 17:07:07

Test Type: **Conventional Bottom Hole**Tester: **Ray Schwager**Unit No: **16**Interval: **3549.00 ft (KB) To 3558.00 ft (KB) (TVD)**Reference Elevations: **2064.00 ft (KB)**Total Depth: **3558.00 ft (KB) (TVD)****2059.00 ft (CF)**Hole Diameter: **7.85 inches** Hole Condition: **Fair**KB to GR/CF: **5.00 ft**Serial #: **3024**

Inside

Press@RunDepth: **82.39 psig @ 3550.01 ft (KB)**Capacity: **7000.00 psig**Start Date: **2003.01.20**

End Date:

2003.01.20

Last Calib.:

2003.01.20Start Time: **10:59:38**

End Time:

17:07:07

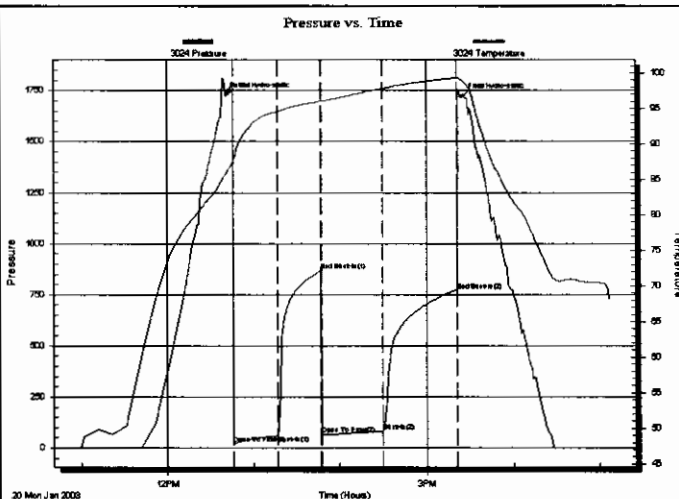
Time On Btm:

2003.01.20 @ 12:41:37

Time Off Btm:

2003.01.20 @ 15:24:37

TEST COMMENT: IFP-wk to fr bl 1/2" to 4 bl
 FFP-w k bl thru-out 1/2" to 1" bl
 Times 30-30-45-45
 w k surface bl on shut-in



PRESSURE SUMMARY

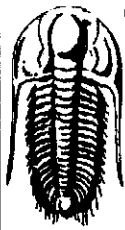
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1724.91	86.14	Initial Hydro-static
5	18.54	87.66	Open To Flow (1)
35	59.32	94.59	Shut-In (1)
66	866.04	96.06	End Shut-In (1)
66	64.29	96.10	Open To Flow (2)
108	82.39	97.83	Shut-In (2)
159	769.77	99.36	End Shut-In (2)
163	1718.74	98.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MO 20%oil 5%water 75%mud	0.30
135.00	Clean Oil	1.35
45.00	GP	0.63

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oil Corp

Deanna #28-1

303 N Carrol Blvd
#214
Denton Texas 76201
ATTN: Hal Porter

28-12s-16w Ellis Ks

Job Ticket: 16741

DST#: 5

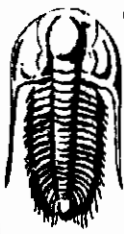
Test Start: 2003.01.20 @ 10:59:38

Tool Information

Drill Pipe:	Length: 3424.00 ft	Diameter: 3.80 inches	Volume: 48.03 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 48.62 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	3549.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.01 ft			
Tool Length:	30.01 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3529.00	
Shut In Tool	5.00			3534.00	
Hydraulic tool	5.00			3539.00	
Packer	5.00			3544.00	21.00 Bottom Of Top Packer
Packer	5.00			3549.00	
Stubb	1.00			3550.00	
Recorder	0.01	3024	Inside	3550.01	
Perforations	5.00			3555.01	
Bullnose	3.00			3558.01	9.01 Bottom Packers & Anchor
Total Tool Length:	30.01				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY												
	Imperial American Oil Corp 303 N Carrol Blvd #214 Denton Texas 76201 ATTN: Hal Porter		Deanna #28-1 28-12s-16w Ellis Ks Job Ticket: 16741 DST#: 5 Test Start: 2003.01.20 @ 10:59:38												
Mud and Cushion Information															
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 48.00 sec/qt Water Loss: 8.78 in ³ Resistivity: ohm.m Salinity: 7500.00 ppm Filter Cake: 1.00 inches		Cushion Type: Cushion Length: ft Cushion Volume: bbl Gas Cushion Type: Gas Cushion Pressure: psig													
		Oil API: 22 deg API Water Salinity: ppm													
Recovery Information															
Recovery Table															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 55%;">Description</th> <th style="width: 30%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">60.00</td> <td>MO 20%oil 5%water 75%mud</td> <td style="text-align: center;">0.295</td> </tr> <tr> <td style="text-align: center;">135.00</td> <td>Clean Oil</td> <td style="text-align: center;">1.347</td> </tr> <tr> <td style="text-align: center;">45.00</td> <td>GIP</td> <td style="text-align: center;">0.631</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	60.00	MO 20%oil 5%water 75%mud	0.295	135.00	Clean Oil	1.347	45.00	GIP	0.631
Length ft	Description	Volume bbl													
60.00	MO 20%oil 5%water 75%mud	0.295													
135.00	Clean Oil	1.347													
45.00	GIP	0.631													
Total Length: 240.00 ft		Total Volume: 2.273 bbl													
Num Fluid Samples: 0		Num Gas Bombs: 0 Serial #:													
Laboratory Name:		Laboratory Location:													
Recovery Comments:															

Serial #: 3024

Inside

Imperial American Oil Corp

28-12s-16w Ellis Ks

DST Test Number: 5

