

### DRILL STEM TEST REPORT

Prepared For: **Dark Horse Oil Company**

34861 Forest Park Dr  
Elizabeth CO 80107-7879

ATTN: Paul Gunzelman

**29 2S 27W Decatur KS**

**Uehlin #1-29**

Start Date: 2006.07.23 @ 21:13:37

End Date: 2006.07.24 @ 03:57:20

Job Ticket #: 24183                      DST #: 1

*15-039-20983-00-00*

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**OCT 26 2006**

**KCC WICHITA**

Dark Horse Oil Company

Uehlin #1-29

29 2S 27W Decatur KS

DST # 1

Lancing/B

2006.07.23



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Dark Horse Oil Company  
34861 Forest Park Dr  
Elizabeth CO 80107-7879  
ATTN: Paul Gunzelman

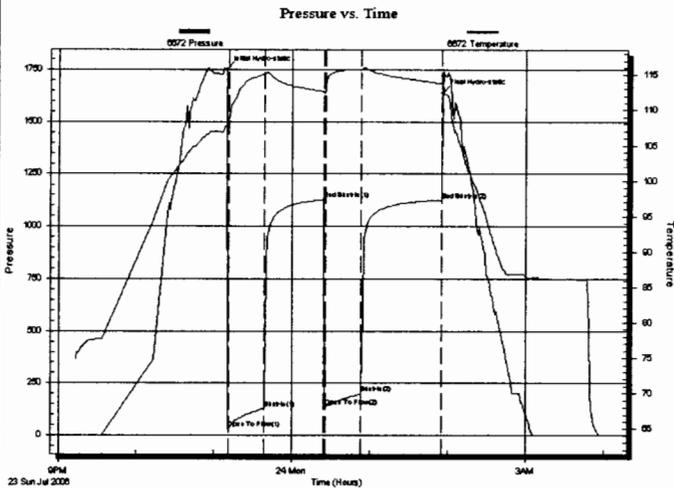
**Uehlin #1-29**  
**29 2S 27W Decatur KS**  
Job Ticket: 24183      **DST#: 1**  
Test Start: 2006.07.23 @ 21:13:37

### GENERAL INFORMATION:

Formation: **Lancing/ B**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 23:10:50  
Time Test Ended: 03:57:20  
Interval: **3590.00 ft (KB) To 3615.00 ft (KB) (TVD)**  
Total Depth: **3615.00 ft (KB) (TVD)**  
Hole Diameter: **7.80 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole**  
Tester: **Michael Shinn**  
Unit No: **18**  
Reference Elevations: **2617.00 ft (KB)**  
**2612.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6672**      **Inside**  
Press@RunDepth: **200.36 psig @ 3590.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2006.07.23**      End Date: **2006.07.24**      Last Calib.: **2006.07.24**  
Start Time: **21:13:37**      End Time: **03:57:20**      Time On Btm: **2006.07.23 @ 23:09:50**  
Time Off Btm: **2006.07.24 @ 01:55:35**

TEST COMMENT: **F BOB in 15 min**  
**IS No Return**  
**FF BOB in 16 min**  
**ISI No Return**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.83	107.83	Initial Hydro-static
1	31.37	108.31	Open To Flow (1)
30	129.69	115.08	Shut-in(1)
75	1127.15	112.62	End Shut-in(1)
76	137.53	112.67	Open To Flow (2)
104	200.36	115.79	Shut-in(2)
166	1126.38	113.80	End Shut-in(2)
166	1638.86	114.01	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
450.00	Salt water 100%W	5.22

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Dark Horse Oil Company  
34861 Forest Park Dr  
Elizabeth CO 80107-7879  
ATTN: Paul Gunzelman

**Uehlin #1-29**  
**29 2S 27W Decatur KS**  
Job Ticket: 24183      **DST#: 1**  
Test Start: 2006.07.23 @ 21:13:37

**Tool Information**

Drill Pipe:	Length: 3471.00 ft	Diameter: 3.80 inches	Volume: 48.69 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 62000.00 lb
			<u>Total Volume: 49.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3590.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3573.00	
Hydraulic tool	5.00			3578.00	
Safety Joint	2.00			3580.00	
Packer	5.00			3585.00	22.00      Bottom Of Top Packer
Packer	5.00			3590.00	
Recorder	0.00	6672	Inside	3590.00	
Perforations	20.00			3610.00	
Recorder	0.00	11020	Inside	3610.00	
Bullnose	5.00			3615.00	25.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>47.00</b>				

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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dark Horse Oil Company

**Uehlin #1-29**

34861 Forest Park Dr  
Elizabeth CO 80107-7879

**29 2S 27W Decatur KS**

Job Ticket: 24183

**DST#: 1**

ATTN: Paul Gunzelman

Test Start: 2006.07.23 @ 21:13:37

## 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: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	Saltwater 100%W	5.219

Total Length: 450.00 ft

Total Volume: 5.219 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6672

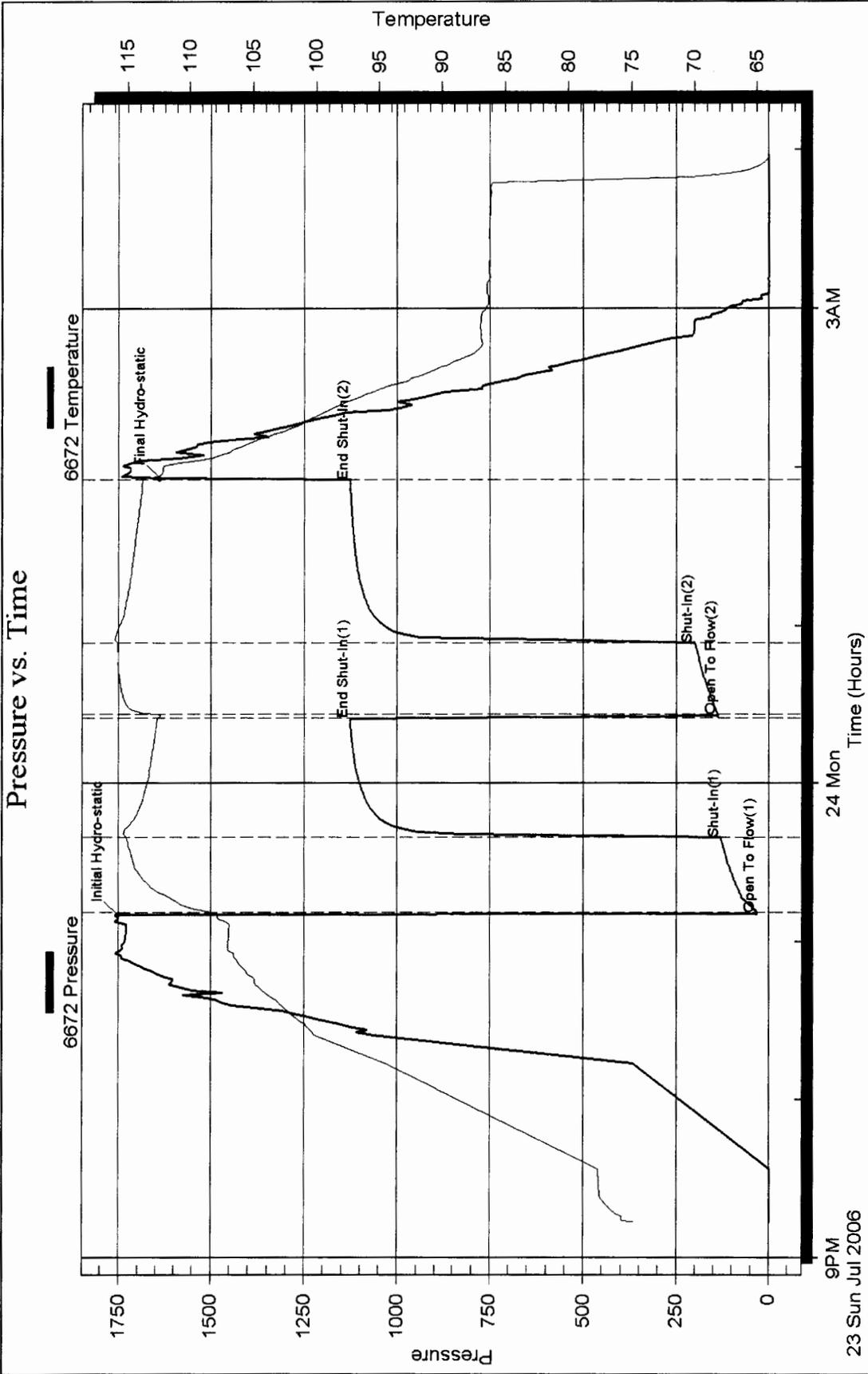
Inside

Dark Horse Oil Company

29 S 27W Decatur KS

DST Test Number: 1

### Pressure vs. Time

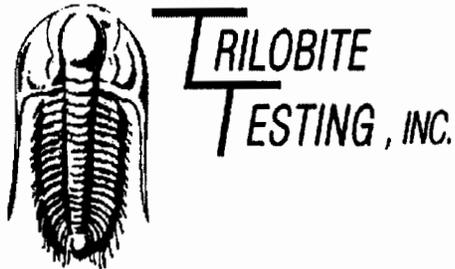


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White Testing, Inc

Ref. No: 24183

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## DRILL STEM TEST REPORT

Prepared For: **Dark Horse Oil Company**

34861 Forest Park Dr  
Elizabeth CO 80107-7879

ATTN: Paul Gunzelman

**29 2S 27W Decatur KS**

**Uehlin #1-29**

Start Date: 2006.07.24 @ 12:30:39

End Date: 2006.07.24 @ 18:00:37

Job Ticket #: 24184                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Dark Horse Oil Company

Uehlin #1-29

29 2S 27W Decatur KS

DST # 2

Lancing/ E.G

2006.07.24



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Dark Horse Oil Company  
34861 Forest Park Dr  
Elizabeth CO 80107-7879  
ATTN: Paul Gunzelman

**Uehlin #1-29**  
**29 2S 27W Decatur KS**  
Job Ticket: 24184      **DST#: 2**  
Test Start: 2006.07.24 @ 12:30:39

## GENERAL INFORMATION:

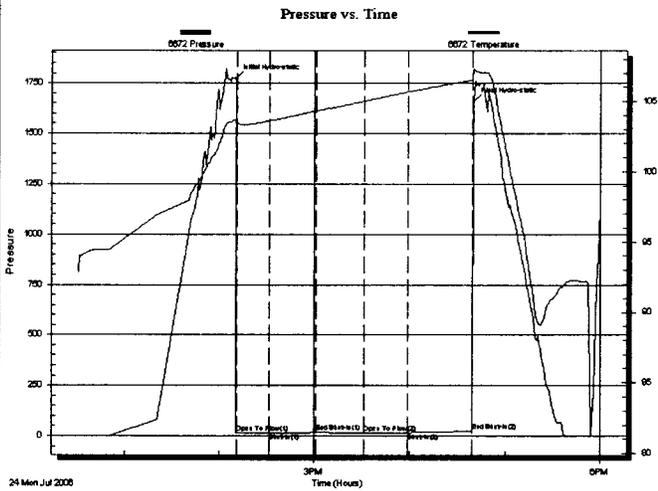
Formation: **Lancing/ E,G**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 14:11:22  
 Time Test Ended: 18:00:37  
 Interval: **3619.00 ft (KB) To 3664.00 ft (KB) (TVD)**  
 Total Depth: **3664.00 ft (KB) (TVD)**  
 Hole Diameter: **7.80 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Michael Shinn**  
 Unit No: **18**  
 Reference Elevations: **2617.00 ft (KB)**  
**2612.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

## Serial #: 6672

**Inside**

Press@RunDepth: **16.21 psig @ 3623.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2006.07.24** End Date: **2006.07.24** Last Calib.: **2006.07.24**  
 Start Time: **12:30:39** End Time: **18:00:37** Time On Btm: **2006.07.24 @ 14:10:37**  
 Time Off Btm: **2006.07.24 @ 16:40:07**

TEST COMMENT: **IF Weak surface blow died in 8 min**  
**IS No Return**  
**FF No Blow**  
**ISI No Return**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.73	103.68	Initial Hydro-static
1	12.88	103.42	Open To Flow (1)
22	13.40	103.60	Shut-In (1)
51	17.60	104.32	End Shut-In (1)
82	14.10	105.01	Open To Flow (2)
109	16.21	105.65	Shut-In (2)
149	23.40	106.52	End Shut-In (2)
150	1661.50	107.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%M	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Dark Horse Oil Company

**Uehlin #1-29**

34861 Forest Park Dr  
Elizabeth CO 80107-7879

**29 2S 27W Decatur KS**

Job Ticket: 24184

**DST#: 2**

ATTN: Paul Gunzelman

Test Start: 2006.07.24 @ 12:30:39

### Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 65000.00 lb
			<b>Total Volume: 49.52 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3619.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3602.00	
Hydraulic tool	5.00			3607.00	
Safety Joint	2.00			3609.00	
Packer	5.00			3614.00	22.00 Bottom Of Top Packer
Packer	5.00			3619.00	
Perforations	3.00			3622.00	
Change Over Sub	1.00			3623.00	
Recorder	0.00	6672	Inside	3623.00	
Drill Pipe	31.00			3654.00	
Change Over Sub	1.00			3655.00	
Perforations	4.00			3659.00	
Recorder	0.00	11020	Inside	3659.00	
Bullnose	5.00			3664.00	45.00 Bottom Packers & Anchor

**Total Tool Length: 67.00**

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TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dark Horse Oil Company

**Uehlin #1-29**

34861 Forest Park Dr  
Elizabeth CO 80107-7879

**29 2S 27W Decatur KS**

Job Ticket: 24184      **DST#: 2**

ATTN: Paul Gunzelman

Test Start: 2006.07.24 @ 12:30:39

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 90.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%M	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6672

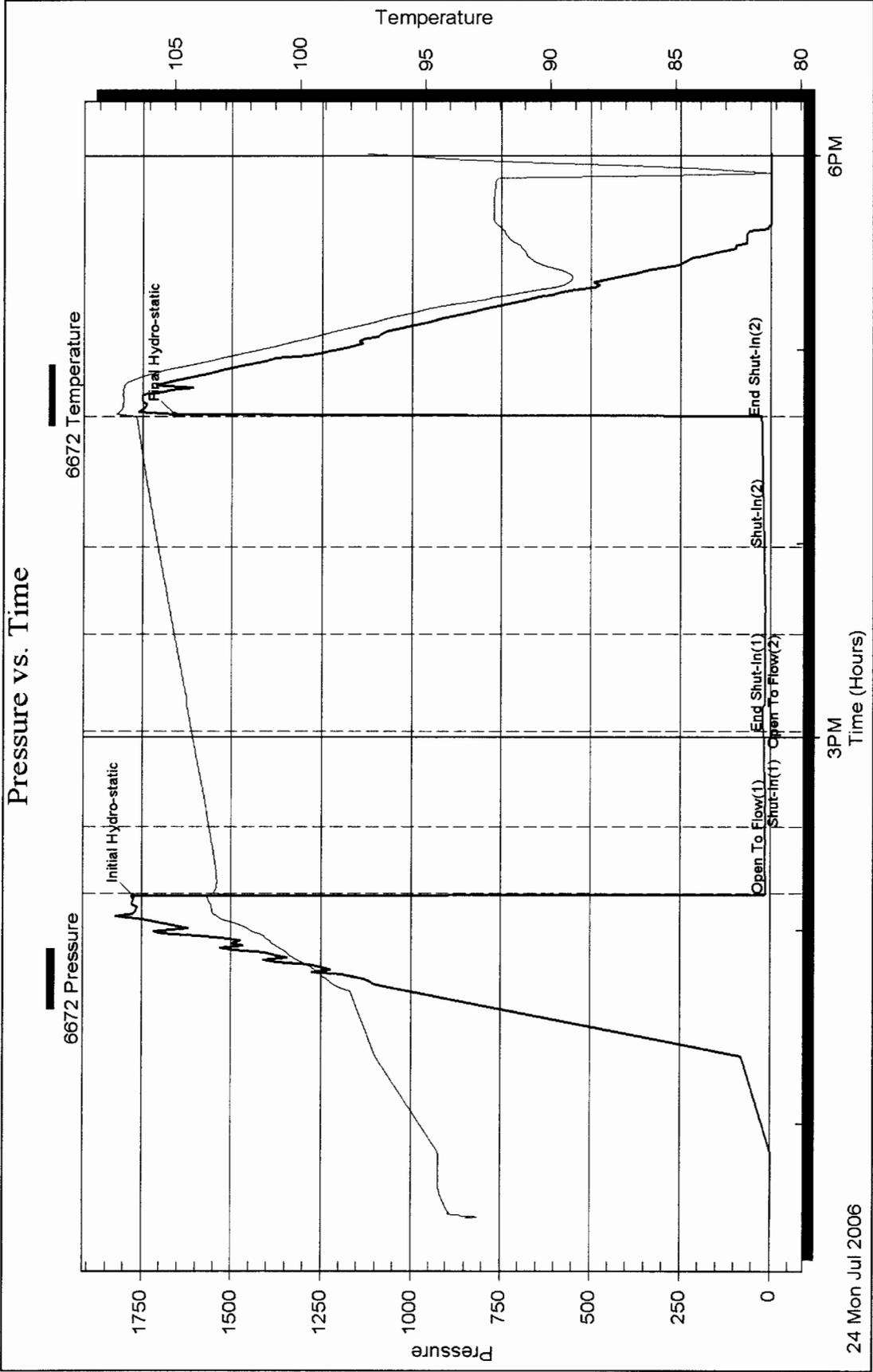
Inside

Dark Horse Oil Company

29 2S 27W Decatur KS

DST Test Number: 2

### Pressure vs. Time



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## DRILL STEM TEST REPORT

Prepared For: **Dark Horse Oil Company**

34861 Forest Park Dr  
Elizabeth CO 80107-7879

ATTN: Paul Gunzelman

**29 2S 27W Decatur KS**

**Uehlin #1-29**

Start Date: 2006.07.25 @ 04:51:04

End Date: 2006.07.25 @ 10:31:47

Job Ticket #: 24185                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Dark Horse Oil Company

Uehlin #1-29

29 2S 27W Decatur KS

DST # 3

Lancing/ J/K

2006.07.25



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dark Horse Oil Company  
 34861 Forest Park Dr  
 Elizabeth CO 80107-7879  
 ATTN: Paul Gunzelman

**Uehlin #1-29**  
**29 2S 27W Decatur KS**  
 Job Ticket: 24185      **DST#: 3**  
 Test Start: 2006.07.25 @ 04:51:04

**GENERAL INFORMATION:**

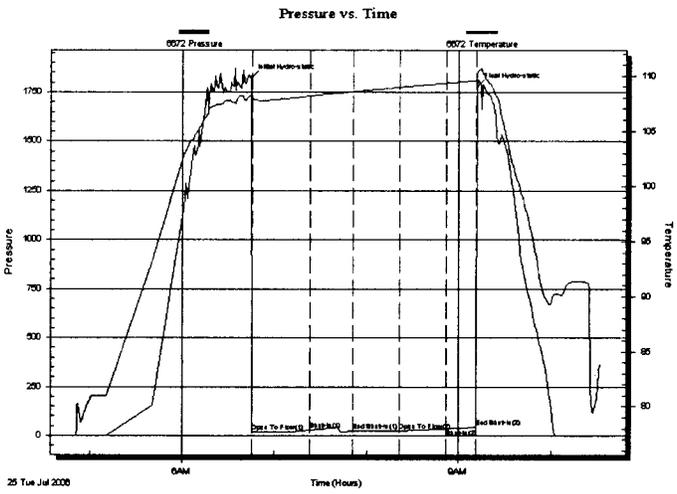
Formation: **Lancing/ J,K**  
 Deviated: **No Whipstock:**      **ft (KB)**  
 Time Tool Opened: 06:46:02  
 Time Test Ended: 10:31:47  
 Interval: **3665.00 ft (KB) To 3764.00 ft (KB) (TVD)**  
 Total Depth: **3615.00 ft (KB) (TVD)**  
 Hole Diameter: **7.80 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Michael Shinn**  
 Unit No: **18**  
 Reference Elevations: **2617.00 ft (KB)**  
    **2612.00 ft (CF)**  
    **KB to GR/CF: 5.00 ft**

**Serial #: 6672**

**Inside**

Press@RunDepth: **36.05 psig @ 3675.00 ft (KB)**  
 Start Date: **2006.07.25**      End Date: **2006.07.25**  
 Start Time: **04:51:04**      End Time: **10:31:47**  
 Capacity: **7000.00 psig**  
 Last Calib.: **2006.07.25**  
 Time On Btm: **2006.07.25 @ 06:45:17**  
 Time Off Btm: **2006.07.25 @ 09:11:47**

**TEST COMMENT:** IF Weak surface blow died in 15 min  
 IS No Return  
 FF No Blow  
 ISI No Return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.73	108.18	Initial Hydro-static
1	19.92	107.89	Open To Flow (1)
39	28.95	108.16	Shut-In(1)
66	22.14	108.55	End Shut-In(1)
96	24.88	108.95	Open To Flow (2)
127	36.05	109.34	Shut-In(2)
146	43.40	109.57	End Shut-In(2)
147	1779.25	110.12	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%M	0.02

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Dark Horse Oil Company  
34861 Forest Park Dr  
Elizabeth CO 80107-7879  
ATTN: Paul Gunzelman

**Uehlin #1-29**  
**29 2S 27W Decatur KS**  
Job Ticket: 24185      **DST#: 3**  
Test Start: 2006.07.25 @ 04:51:04

**Tool Information**

Drill Pipe:	Length: 3531.00 ft	Diameter: 3.80 inches	Volume: 49.53 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 65000.00 lb
			<u>Total Volume: 50.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3665.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	120.00 ft			
Number of Packers:	2	Diameter: inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3648.00	
Hydraulic tool	5.00			3653.00	
Safety Joint	2.00			3655.00	
Packer	5.00			3660.00	22.00      Bottom Of Top Packer
Packer	5.00			3665.00	
Perforations	9.00			3674.00	
Change Over Sub	1.00			3675.00	
Recorder	0.00	6672	Inside	3675.00	
Drill Pipe	62.00			3737.00	
Change Over Sub	1.00			3738.00	
Perforations	20.00			3758.00	
Recorder	0.00	11020	Inside	3758.00	
Bullnose	5.00			3763.00	98.00      Bottom Packers & Anchor

**Total Tool Length: 120.00**

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## DRILL STEM TEST REPORT

FLUID SUMMARY

Dark Horse Oil Company

Uehlin #1-29

34861 Forest Park Dr  
Elizabeth CO 80107-7879

29 2S 27W Decatur KS

Job Ticket: 24185

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2006.07.25 @ 04:51:04

### 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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

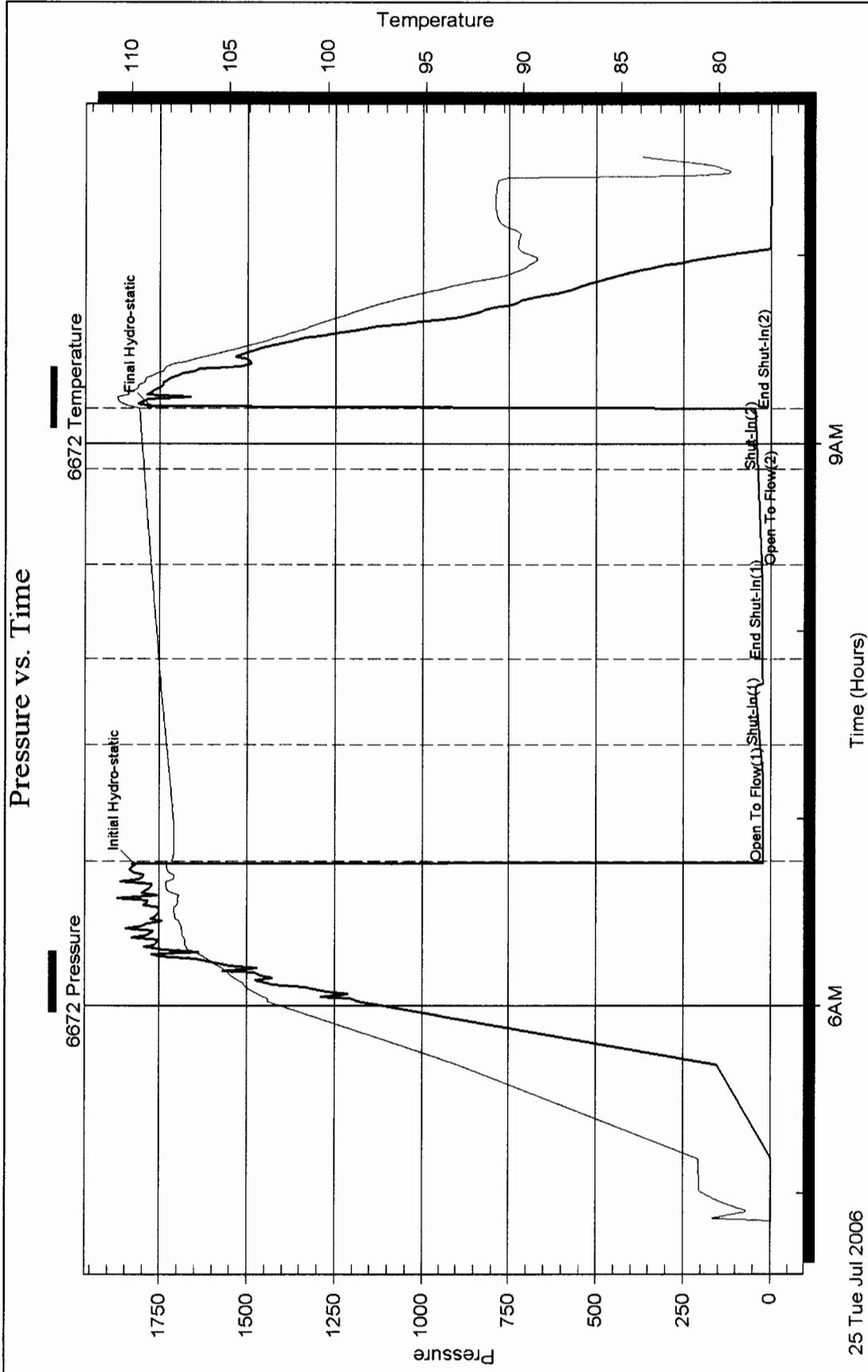
29 2S 27W Decatur KS

Dark Horse Oil Company

Inside

Serial #: 6672

### Pressure vs. Time



25 Tue Jul 2006

9AM

6AM

Time (Hours)

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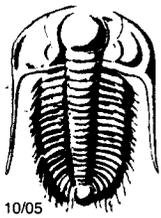
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Truett Testing, Inc

Ref. No: 24185

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# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24183

## Test Ticket

Well Name & No. Uehlin #1-29 Test No. 1 Date 7-23-06  
 Company Dark Horse Oil Company Zone Tested Lancing 1 B  
 Address 34861 Forest Park Drive Elizabeth Co 66010 Elevation 2617 KB 2612 GL  
 Co. Rep / Geo. Paul Lunzelman Rig WW #4  
 Location: Sec. 29 Twp. 25 Rge. 27w Co. Decatur State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3590' 3615' Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 46,000  
 Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 62,000  
 Top Packer Depth 3585' Tool Weight 1500  
 Bottom Packer Depth 3590' Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 3615' Wt. Pipe Run  Drill Collar Run 120'  
 Mud Wt. 8.8 LCM 1 Vis. 64 WL 6.4 Drill Pipe Size 4 1/2 x H Ft. Run 3471'

Blow Description IF; B.O.B. in 15 min.  
IS; No Return.  
FF; B.O.B. in 16 min.  
ISE; No Return

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>450'</u>	Feet of <u>Saltwater</u>	%gas	%oil <u>100</u> %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud

BHT 113 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.98 @ 72 °F Chlorides \_\_\_\_\_ ppm Recovery 64000 Chlorides 700 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1752</u> PSI	<u>1752</u> PSI	<u>6672</u>	<u>X#1000</u>
(B) First Initial Flow Pressure	<u>31</u> PSI	<u>31</u> PSI	(depth) <u>3590'</u>	Jars
(C) First Final Flow Pressure	<u>130</u> PSI	<u>130</u> PSI	Recorder No. _____	Safety Jt. <u>X#7500</u>
(D) Initial Shut-In Pressure	<u>1127</u> PSI	<u>1127</u> PSI	(depth) _____	Circ Sub <u>X NIC</u>
(E) Second Initial Flow Pressure	<u>138</u> PSI	<u>138</u> PSI	Recorder No. <u>11020</u>	Sampler _____
(F) Second Final Flow Pressure	<u>200</u> PSI	<u>200</u> PSI	(depth) <u>3610'</u>	Straddle _____
(G) Final Shut-In Pressure	<u>1126</u> PSI	<u>1126</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1733</u> PSI	<u>1733</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>X 235</u>

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Approved By Paul Lunzelman

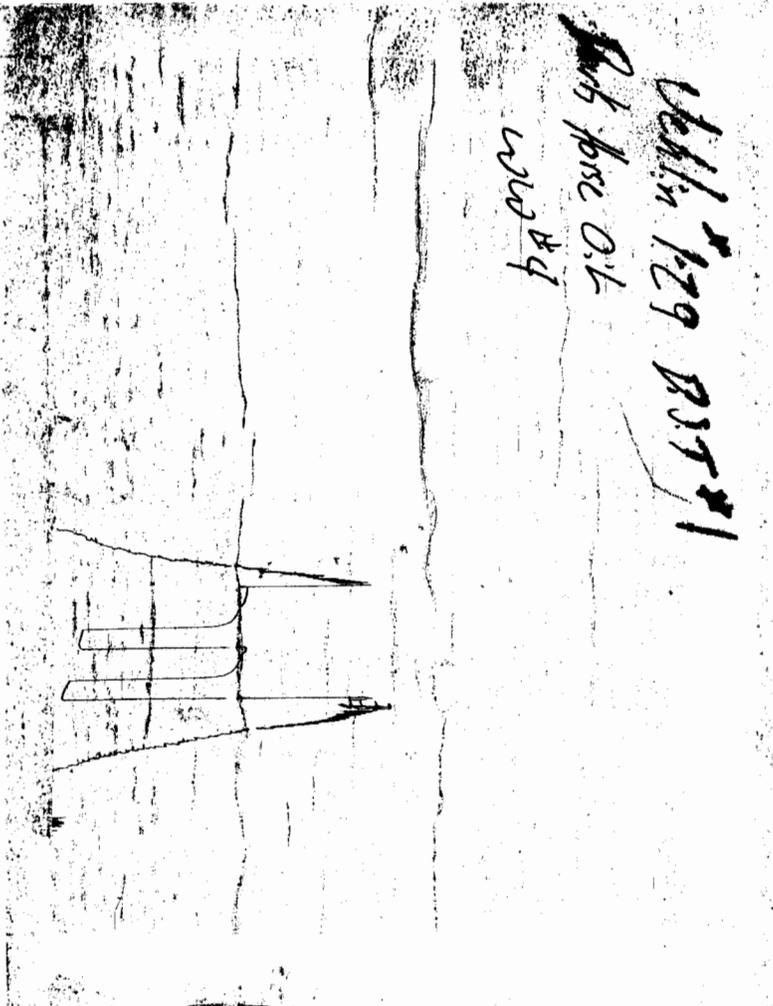
Our Representative [Signature]

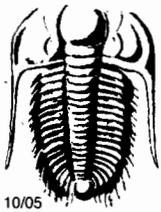
T-On Location	<u>21:00 p.m.</u>	Sub Total:	_____
T-Started	<u>22:50 p.m.</u>	Std. By	_____
T-Open	<u>00:45 a.m.</u>	Acc. Chg:	<b>RECEIVED</b>
T-Pulled	<u>03:30 a.m.</u>	Other:	<u>OCT 26 2006</u>
T-Out	<u>05:30 a.m.</u>	Total:	<b>KCC WICHITA</b>

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**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24184

## Test Ticket

Well Name & No. Uchlin #1-29 Test No. 2 Date 7-24-06  
 Company Duck Horse Oil Company Zone Tested Lancing / EIL  
 Address 34861 Forest Park Drive Elizabeth, Co 80107 Elevation 2617 KB 2612 GL  
 Co. Rep / Geo. Paul Gunzelman Rig WW#4  
 Location: Sec. 29 Twp. 2S Rge. 27W Co. DeCatur State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3619' 3664' Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000  
 Anchor Length 45 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth 3614' Tool Weight 1,500  
 Bottom Packer Depth 3619' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3664' Wt. Pipe Run ✓ Drill Collar Run 120'  
 Mud Wt. 9.0 LCM 1.5 Vis. 58 WL 6.4 Drill Pipe Size 4 1/2 x 11 Ft. Run 3488'

Blow Description IF; weak surface blow, died in 8 min.  
IS; No Return  
FF; No blow  
IS; No Return

Recovery - Total Feet 2' GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 2' Feet of Mud %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water 100 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 107 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 3,600 ppm System

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud		<u>1822</u> PSI	<u>6672</u>	<u>#1,000.09</u>
(B) First Initial Flow Pressure		<u>13</u> PSI	(depth) <u>3619</u>	Jars _____
(C) First Final Flow Pressure		<u>14</u> PSI	Recorder No. _____	Safety Jt. x <u>175.00</u>
(D) Initial Shut-In Pressure		<u>18</u> PSI	(depth) _____	Circ Sub x <u>NIC</u>
(E) Second Initial Flow Pressure		<u>14</u> PSI	Recorder No. <u>11020</u>	Sampler _____
(F) Second Final Flow Pressure		<u>16</u> PSI	(depth) <u>3659</u>	Straddle _____
(G) Final Shut-In Pressure		<u>23</u> PSI	<b>Initial Opening</b> <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1762</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

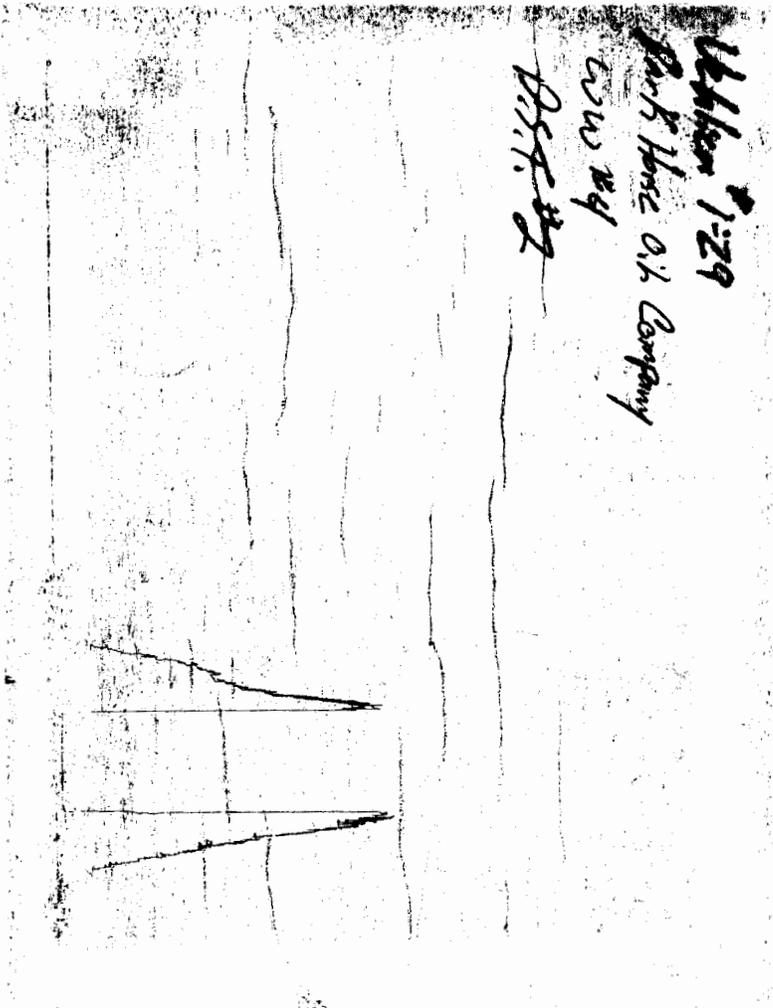
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Approved By Paul Gunzelman  
 Our Representative [Signature]

Final Flow 30 Ruined Packer \_\_\_\_\_  
 Final Shut-In 60 Mileage 201  
 T-On Location 12:00 pm Sub Total: \_\_\_\_\_  
 T-Started 13:05 pm Std. By RECEIVED  
 T-Open 14:43 pm Acc. Chg: OCT 26 2006  
 T-Pulled 17:13 pm Other: \_\_\_\_\_  
 T-Out 18:30 pm Total: KCC WICHITA

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.



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OCT 26 2006  
KCC WICHITA



**Test Ticket**

Well Name & No. Uchln 1-29 Test No. 3 Date 7-25-06  
 Company Dark Horse Oil Company Zone Tested Lancing / J.K.  
 Address 34864 Forest Park Drive Elizabeth, Co 80107 Elevation 2617 KB 2612 GL  
 Co. Rep / Geo. Paul Lunzelman Rig WW#4  
 Location: Sec. 29 Twp. 25 Rge. 27w Co. DeCatur State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3665' 3764' Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 43,000  
 Anchor Length 99' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 64,000  
 Top Packer Depth 3660' Tool Weight 1,500  
 Bottom Packer Depth 3665' Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth 3764' Wt. Pipe Run  Drill Collar Run 120'  
 Mud Wt. 9.4 LCM Tace Vis. 54 WL 6.4 Drill Pipe Size 4 1/2 x H Ft. Run 3531'

Blow Description 25' Weak Surface blow, died in 15 min.  
25' No Return  
FF; No Blow  
25' No Return

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>5'</u>	Feet of <u>5' Mud</u>	%gas	%oil %water <u>100</u> %mud
Rec. _____	Feet of _____	%gas	%oil %water _____ %mud
Rec. _____	Feet of _____	%gas	%oil %water _____ %mud
Rec. _____	Feet of _____	%gas	%oil %water _____ %mud
Rec. _____	Feet of _____	%gas	%oil %water _____ %mud

BHT 110 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1837</u> PSI	<u>6672</u>	<u>x #1000.00</u>
(B) First Initial Flow Pressure	<u>20</u> PSI	(depth) <u>3665'</u>	Jars _____
(C) First Final Flow Pressure	<u>29</u> PSI	Recorder No. _____	Safety Jt. <u>x #75.00</u>
(D) Initial Shut-In Pressure	<u>22</u> PSI	(depth) _____	Circ Sub <u>x N/C</u>
(E) Second Initial Flow Pressure	<u>25</u> PSI	Recorder No. <u>11020</u>	Sampler _____
(F) Second Final Flow Pressure	<u>36</u> PSI	(depth) <u>3759'</u>	Straddle _____
(G) Final Shut-In Pressure	<u>43</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1786</u> PSI	Initial Shut-In <u>30</u>	Shale Packer <u>#200.00</u>
		Final Flow <u>30</u>	Ruined Packer <u>#200.00</u>
		Final Shut-In <u>60</u>	Mileage <u>201</u>

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Approved By Paul Lunzelman  
 Our Representative [Signature]

T-On Location 04:00 a.m.  
 T-Started 04:56 a.m.  
 T-Open 06:50 a.m.  
 T-Pulled 9:20 a.m.  
 T-Off 10:30 a.m.

Sub Total: \_\_\_\_\_  
 Std. By \_\_\_\_\_  
 Acc. Chg: **RECEIVED**  
 Other: OCT 26 2006  
 Total: \_\_\_\_\_

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OCT 26 2005  
KCC WICHITA

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

