

15-175-21493-0001

3-35s-31w



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S. Voss Ste #150 Houston TX 77057

ATTN: Jim Hall

3-35S-31W Seward KS

Floyd #2 OWWO

Start Date: 2005.11.29 @ 19:12:08

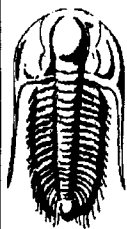
End Date: 2005.11.30 @ 08:34:47

Job Ticket #: 22343 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

Landmark Resources, Inc.

1616 S. Voss Ste #150 Houston TX 77057

ATTN: Jim Hall

Floyd #2 OWWO

3-35S-31W Seward KS

Job Ticket: 22343

DST#: 1

Test Start: 2005.11.29 @ 19:12:08

GENERAL INFORMATION:

Formation: **Novinger**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:35:08

Time Test Ended: 08:34:47

Test Type: Conventional Straddle

Tester: Chris Hagman

Unit No: 34

Interval: **5321.00 ft (KB) To 5351.00 ft (KB) (TVD)**

Total Depth: 5482.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2739.00 ft (KB)

2728.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6752

Inside

Press@RunDepth: 300.73 psig @ 5323.00 ft (KB)

Start Date: 2005.11.29

End Date:

2005.11.30

Start Time: 19:12:08

End Time:

08:34:48

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2005.11.29 @ 22:31:47

Time Off Btm: 2005.11.30 @ 03:50:57

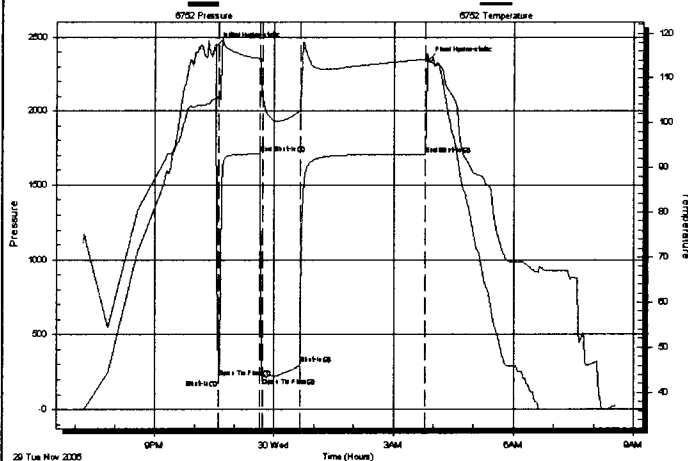
TEST COMMENT: IF: BOB ASAO, GTS 3 min., strong steadily building blow

IS: No blow back

FF: BOB GTS ASAO, strong steadily dying blow

FS: Blow back immediately, BOB 5 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2439.71	105.35	Initial Hydro-static
4	211.52	106.04	Open To Flow (1)
5	201.43	106.08	Shut-In (1)
66	1710.57	114.39	End Shut-In (1)
71	213.43	106.14	Open To Flow (2)
127	300.73	102.38	Shut-In (2)
316	1708.08	114.20	End Shut-In (2)
320	2339.75	114.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	85%W,15%M	0.61
124.00	10%G,60%O,15%W,15%M	0.61
439.00	20%G,75%O,5%M	6.16

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	10.00	701.47
Last Gas Rate	0.75	20.00	537.32
Max. Gas Rate	0.75	28.00	662.28



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, Inc.

1616 S. Voss Ste #150 Houston TX 77057

ATTN: Jim Hall

Floyd #2 OWWO

3-35S-31W Seward KS

Job Ticket: 22343

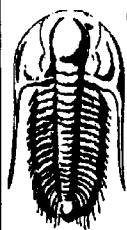
DST#: 1

Test Start: 2005.11.29 @ 19:12:08

Tool Information

Drill Pipe:	Length: 5061.00 ft	Diameter: 3.80 inches	Volume: 70.99 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 72.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5321.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	5347.00 ft			
Interval between Packers:	26.00 ft			
Tool Length:	189.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5294.00	
Shut In Tool	5.00			5299.00	
Hydraulic tool	5.00			5304.00	
Jars	5.00			5309.00	
Safety Joint	3.00			5312.00	
Packer	5.00			5317.00	28.00 Bottom Of Top Packer
Packer	4.00			5321.00	
Stubb	1.00			5322.00	
Perforations	1.00			5323.00	
Recorder	0.00	6752	Inside	5323.00	
Perforations	23.00			5346.00	
Recorder	0.00	13752	Inside	5346.00	
Blank Off Sub	1.00			5347.00	26.00 Tool Interval
Packer	4.00			5351.00	
Stubb	1.00			5352.00	
Change Over Sub	1.00			5353.00	
Drill Pipe	125.00			5478.00	
Change Over Sub	1.00			5479.00	
Recorder	0.00	13630	Below	5479.00	
Bullnose	3.00			5482.00	135.00 Bottom Packers & Anchor
Total Tool Length:	189.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc.

Floyd #2 OWWO

1616 S. Voss Ste #150 Houston TX 77057

3-35S-31W Seward KS

Job Ticket: 22343

DST#: 1

ATTN: Jim Hall

Test Start: 2005.11.29 @ 19:12:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

92000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	85%W,15%M	0.610
124.00	10%G,60%O,15%W,15%M	0.610
439.00	20%G,75%O,5%M	6.158

Total Length: 687.00 ft Total Volume: 7.378 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW=138@47F=92000ppm

API=38@50=39



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Landmark Resources, Inc.

Floyd #2 OWWO

1616 S. Voss Ste #150 Houston TX 77057

3-35S-31W Seward KS

Job Ticket: 22343

DST#: 1

ATTN: Jim Hall

Test Start: 2005.11.29 @ 19:12:08

Gas Rates Information

Temperature: 59 deg C

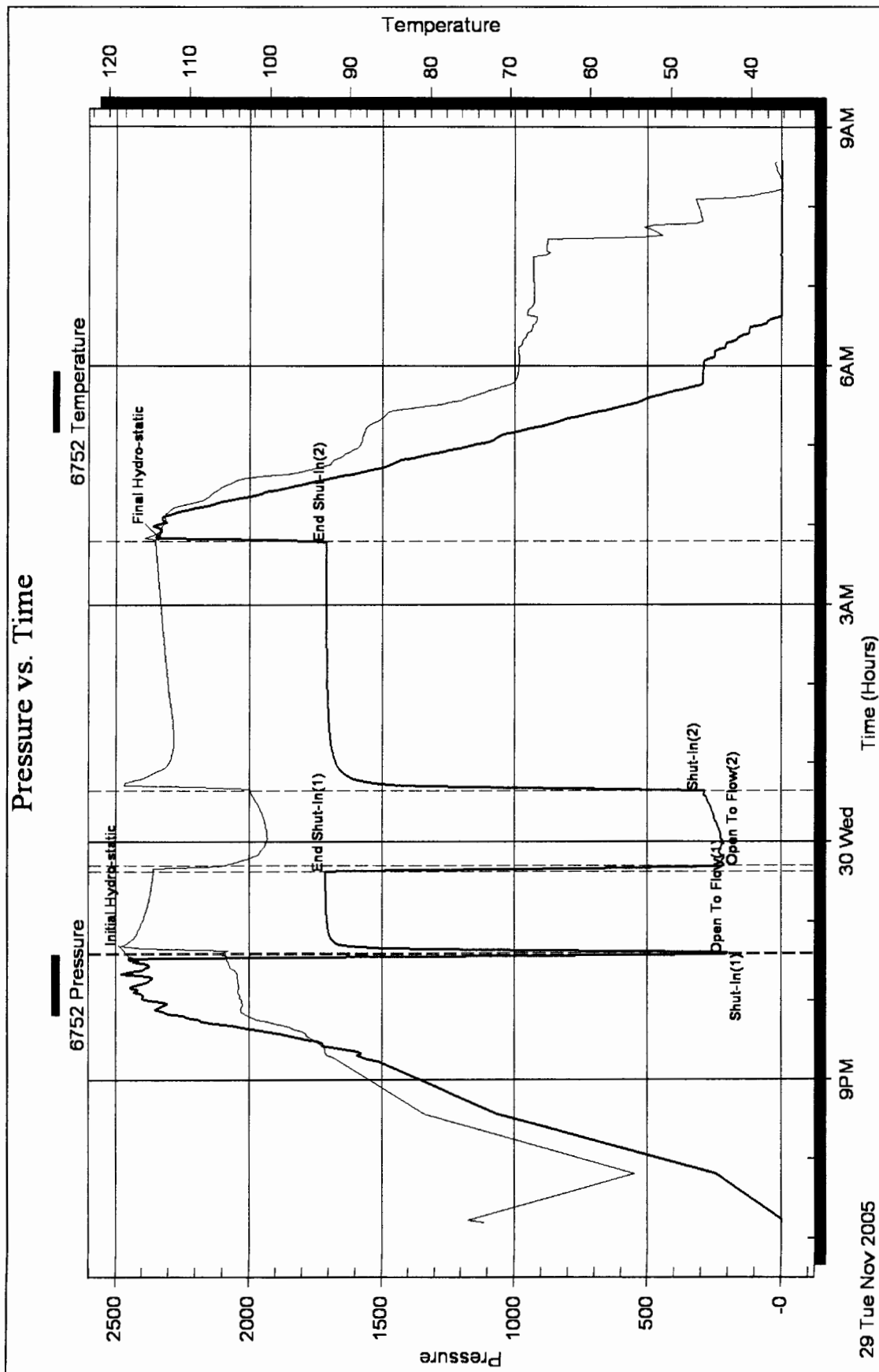
Relative Density: 0.65

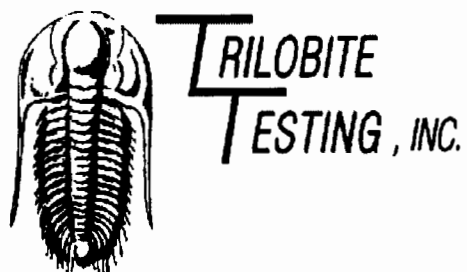
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	1.00	10.00	701.47
2	20	0.75	28.00	662.28
2	30	0.75	28.00	662.28
2	40	0.75	24.00	599.80
2	50	0.75	20.00	537.32
2	60	0.75	20.00	537.32

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S. Voss Ste #150 Houston TX 77057

ATTN: Jim Hall

3-35S-31W Seward KS

Floyd #2 OWWO

Start Date: 2005.12.03 @ 05:30:54

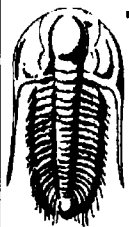
End Date: 2005.12.03 @ 18:14:39

Job Ticket #: 22904 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

Landmark Resources, Inc.

1616 S. Voss Ste #150 Houston TX 77057

ATTN: Jim Hall

Floyd #2 OWWO

3-35S-31W Seward KS

Job Ticket: 22904

DST#: 2

Test Start: 2005.12.03 @ 05:30:54

GENERAL INFORMATION:

Formation: **Chester**

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

Time Tool Opened: 09:02:24

Time Test Ended: 18:14:39

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **5967.00 ft (KB) To 6142.00 ft (KB) (TVD)**

Total Depth: **6142.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2739.00 ft (KB)**

2728.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6769 **Inside**

Press@RunDepth: **58.12 psig @ 6127.00 ft (KB)**

Start Date: **2005.12.03**

End Date:

2005.12.03

Start Time: **05:30:56**

End Time:

18:14:39

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2005.12.03 @ 09:00:54**

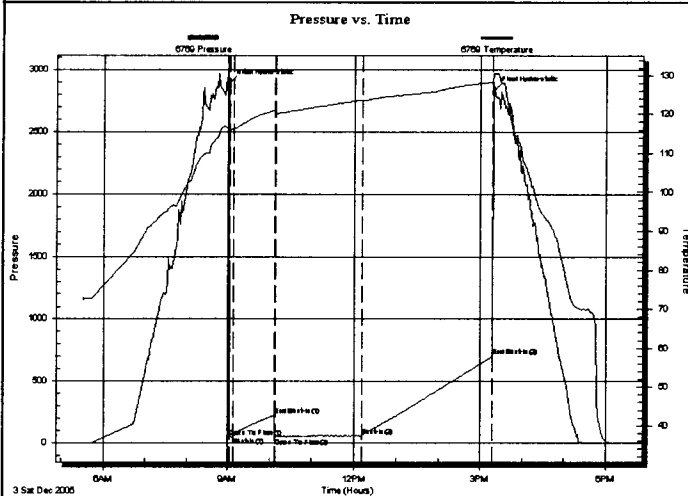
Time Off Btm: **2005.12.03 @ 15:20:24**

TEST COMMENT: IF- Very weak building blow, 2.5' in bucket.

IS- No blow back.

FF- Weak building blow, 9' in bucket.

FS- No blow back.



PRESSURE SUMMARY

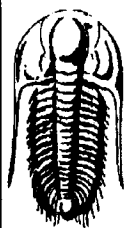
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2889.48	116.56	Initial Hydro-static
2	45.39	115.62	Open To Flow (1)
7	51.10	116.23	Shut-In(1)
67	227.15	120.93	End Shut-In(1)
68	43.78	120.56	Open To Flow (2)
190	58.12	123.60	Shut-In(2)
377	700.56	128.23	End Shut-In(2)
380	2839.55	130.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	100% Mud, with trace of water.	0.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, Inc.

1616 S. Voss Ste #150 Houston TX 77057

ATTN: Jim Hall

Floyd #2 OWWO

3-35S-31W Seward KS

Job Ticket: 22904

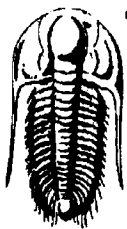
DST#: 2

Test Start: 2005.12.03 @ 05:30:54

Tool Information

Drill Pipe:	Length: 5593.00 ft	Diameter: 3.80 inches	Volume: 78.46 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: 25000.00 lb
Drill Collar:	Length: 372.00 ft	Diameter: 2.25 inches	Volume: 1.83 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	80.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5967.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	175.00 ft			
Tool Length:	202.00 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			5941.00	
Shut In Tool	5.00			5946.00	
Hydraulic tool	5.00			5951.00	
Jars	5.00			5956.00	
Safety Joint	2.00			5958.00	
Packer	5.00			5963.00	27.00 Bottom Of Top Packer
Packer	4.00			5967.00	
Stubb	1.00			5968.00	
Perforations	1.00			5969.00	
Change Over Sub	1.00			5970.00	
Drill Pipe	156.00			6126.00	
Change Over Sub	1.00			6127.00	
Recorder	0.00	6769	Inside	6127.00	
Perforations	11.00			6138.00	
Recorder	0.00	6724	Outside	6138.00	
Bullnose	4.00			6142.00	175.00 Bottom Packers & Anchor
Total Tool Length:	202.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc.

Floyd #2 OWWO

1616 S. Voss Ste #150 Houston TX 77057

3-35S-31W Seward KS

Job Ticket: 22904

DST#: 2

ATTN: Jim Hall

Test Start: 2005.12.03 @ 05:30:54

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	100% Mud, w with trace of water.	0.615

Total Length: 125.00 ft

Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

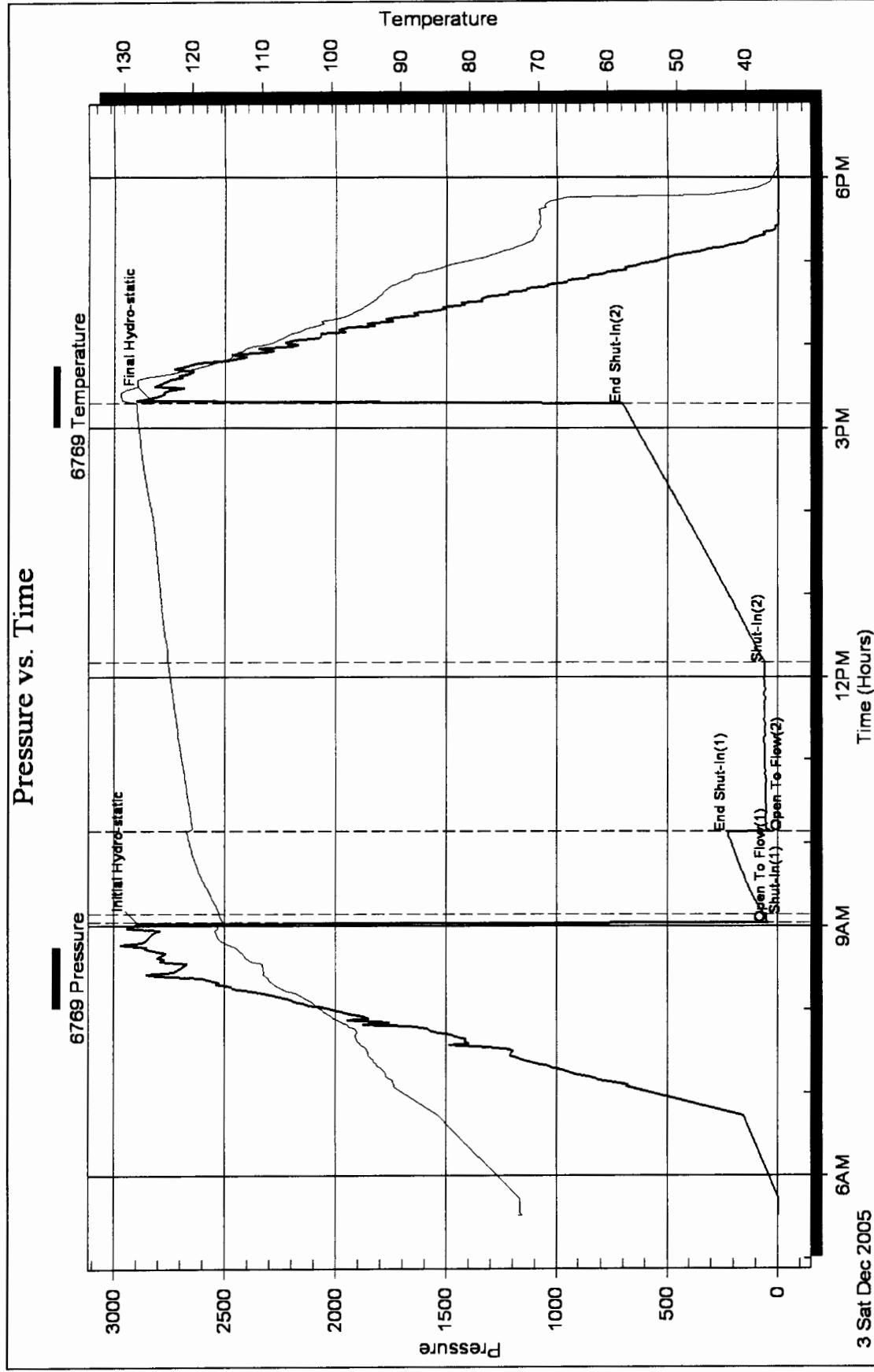
Serial #: 6769

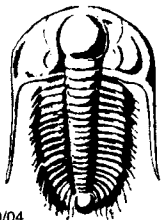
Inside

Landmark Resources, Inc.

3-35S-31W Sew and KS

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22343

Test Ticket

Well Name & No. Flayed #2 OWL20 Test No. 1 Date 11-29-05
 Company Landmark Resources, Inc. Zone Tested Nowinger
 Address 1616 S. Voss, Suite #150 Houston TX 77057 Elevation 2753 KB 2728 GL
 Co. Rep / Geo. J'n Hall Cont. Murfin 22 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 35S Rge. 31W Co. Seward State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5321-5351 Initial Str Wt./Lbs. 78K Unseated Str Wt./Lbs. 80K
 Anchor Length 30' Wt. Set Lbs. 20K Wt. Pulled Loose/Lbs. 100K
 Top Packer Depth 5316 Tool Weight 2K
 Bottom Packer Depth 5321 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 5482 Wt. Pipe Run N.A. Drill Collar Run 248
 Mud Wt. 8.6 LCM 3# Vis. 45 WL 8.8 Drill Pipe Size 4.5 XH Ft. Run 5061

Blow Description IF: BOB ASD, CATS 3 min., strong building blow

IS: No blow back

FP: BOB CATS ASD, strong steadily dying blow

FST: Blow back immediately, BOB 5 min.

Recovery - Total Feet 687 GIP 4622 Ft. in DC 248 Ft. in DP 439
 Rec. 124 Feet of Muddy water %gas _____ %oil _____ 85%water 15% mud
 Rec. 124 Feet of Muddy water gas cut oil 10%gas 60%oil 15%water 15% mud
 Rec. 439 Feet of Muddy gas cut oil 20%gas 75%oil %water 5% mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 114 °F Gravity 38 °API D @ 150 °F Corrected Gravity 39 °API
 RW 138 @ 47 °F Chlorides 9200 ppm Recovery _____ Chlorides 3200 ppm System

AK-1

Alpine

(A) Initial Hydrostatic Mud	<u>2440</u> PSI	Recorder No.	<u>6752 (1912)</u>	Test ✓ straddle	<u>1200</u>
(B) First Initial Flow Pressure	<u>212</u> PSI	(depth)	<u>5323</u>	Jars ✓	<u>200</u>
(C) First Final Flow Pressure	<u>201</u> PSI	Recorder No.	<u>13752 (inside)</u>	Safety Jt. ✓	<u>50</u>
(D) Initial Shut-In Pressure	<u>1711</u> PSI	(depth)	<u>5346</u>	Circ Sub	
(E) Second Initial Flow Pressure	<u>213</u> PSI	Recorder No.	<u>13630 (outside)</u>	Sampler	
(F) Second Final Flow Pressure	<u>301</u> PSI	(depth)	<u>5475</u>	Straddle ✓	<u>250</u>
(G) Final Shut-In Pressure	<u>1708</u> PSI	Initial Opening	<u>3</u>	Ext. Packer ✓ x 1.0	<u>150</u>
(Q) Final Hydrostatic Mud	<u>2340</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer ✓ x 2.0	<u>300</u>
		Final Flow	<u>60</u>	Ruined Packer ✓ x 1.0	<u>250</u>
		Final Shut-In	<u>180</u>	Mileage x 100	<u>100</u>
		T-On Location	<u>1800</u>	Sub Total:	<u>2250</u>
		T-Started	<u>1915</u>	Std. By <u>45</u>	<u>200</u>
		T-Open	<u>2235</u>	Other	<u>37.5</u>
		T-Pulled	<u>0338</u>	Total:	<u>2737.5</u>
		T-Out	<u>0830</u>		

Approved By JR Hall

Our Representative [Signature]

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.



GAS VOLUME REPORT

Landmark

OPERATOR

Flight 07

WELL NAME AND NO.

DST

IF BOB ASAD, GPS 3 min., strong blinking beam

BT: No blow back

FF: BOB GETS ASKED, STRESS, STEADILY DROPPING BLIND

FSD

Remarks: *Flammable*

CHART PAGE

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

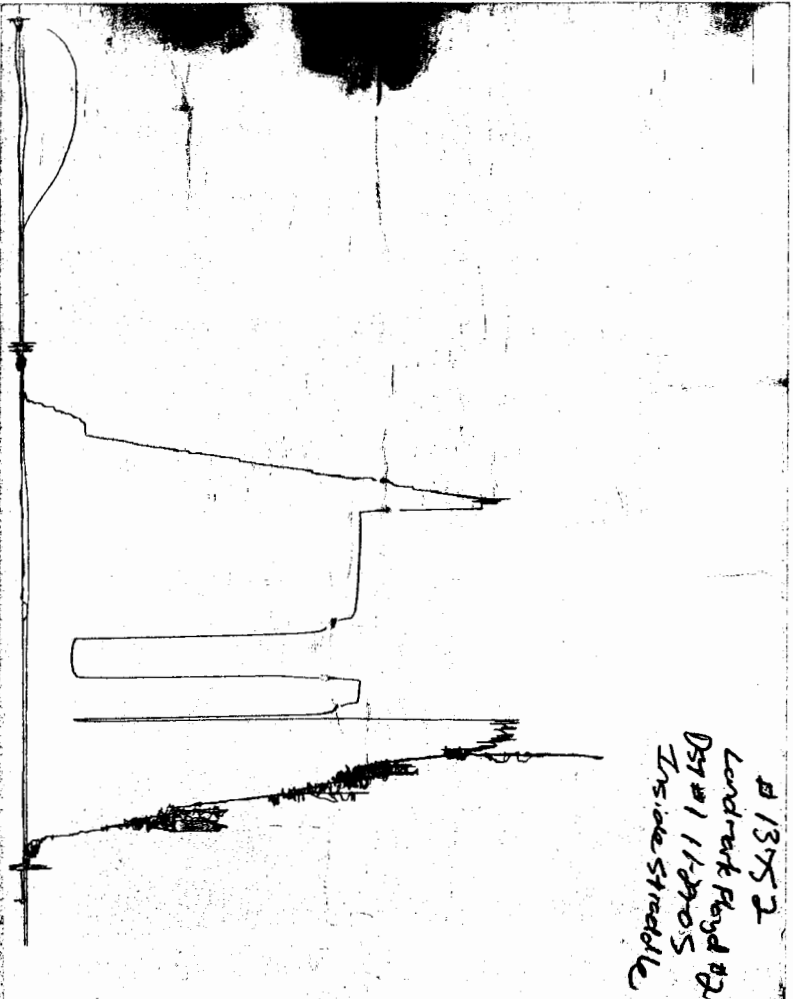
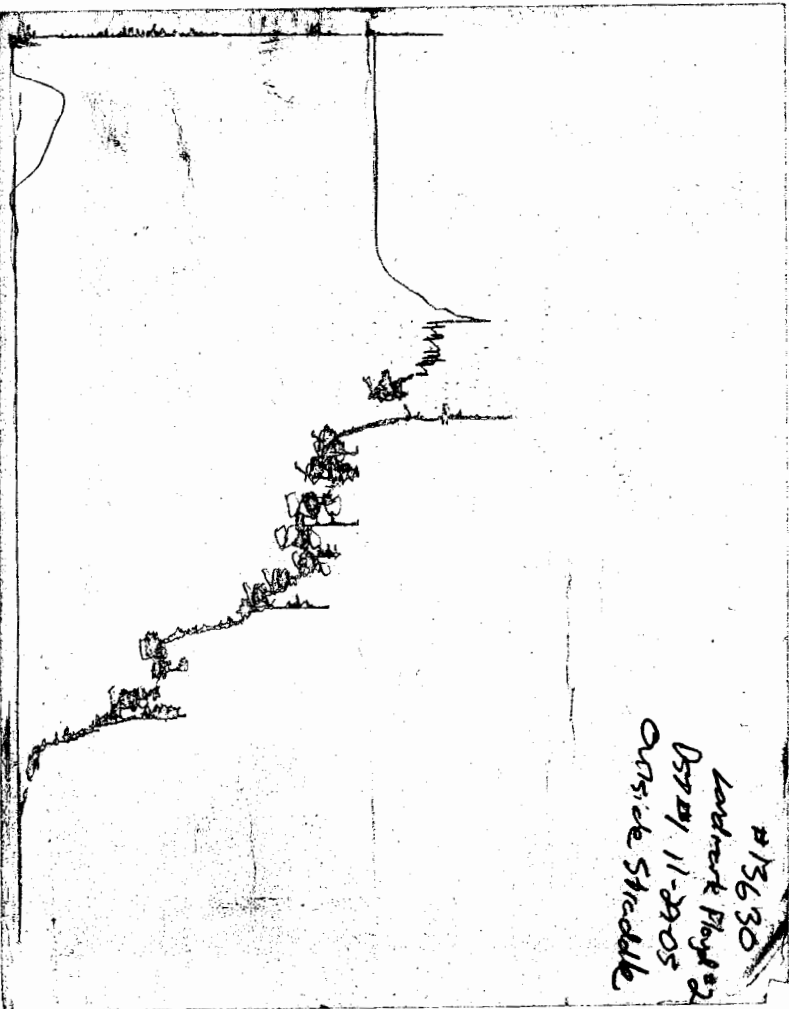
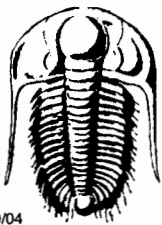


CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22904

Test Ticket

Well Name & No. FLOYD OWWO #2 Test No. 2 Date 12/3/05
 Company Landmark Resources Inc. Zone Tested Crested
 Address 1616 S. Voss Suite 150 Houston Tx. 77057 Elevation 2732 KB 2717 GL
 Co. Rep / Geo. Jim Hall Cont. Molten #22 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 35S Rge. 31W Co. Seward State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5967 - 6142 Initial Str Wt./Lbs. 80K Unseated Str Wt./Lbs. 86K
 Anchor Length 175 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 90K
 Top Packer Depth 5962 Tool Weight 1800
 Bottom Packer Depth 5967 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 6142 Wt. Pipe Run 0 Drill Collar Run 372
 Mud Wt. 9.2 LCM 2# Vis. 58 WL 9.6 Drill Pipe Size 4.5 XH Ft. Run 5593
 Blow Description IF- Weak building blow, 2 1/2" in bucket.
ESI- No blow back.
FF- Weak building blow 9" in bucket.
FSI- No blow back

Recovery - Total Feet 125 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 125 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
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 128 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	6769	Test	1300° 11hrs
(B) First Initial Flow Pressure	2889	PSI	(depth)	5970	Jars	200°
(C) First Final Flow Pressure	45	PSI	Recorder No.	11018	Safety Jt.	50°
(D) Initial Shut-In Pressure	51	PSI	(depth)	6142	Circ Sub	
(E) Second Initial Flow Pressure	227	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	44	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	38	PSI	Initial Opening	5	Ext. Packer	
(Q) Final Hydrostatic Mud	201	PSI	Initial Shut-In	60	Shale Packer	
	2840	PSI	Final Flow	120	Ruined Packer	150°
			Final Shut-In	180	Mileage	100, 100, 1800
			T-On Location	400 AM	Sub Total:	125
			T-Started	530 AM	Std. By	2 1/2
			T-Open	830 AM	Other	
			T-Pulled	300 PM	Total:	1925
			T-Out	530 PM		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Jim Hall
 Our Representative John Dain

CHART PAGE

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

