

DRILL STEM TEST REPORT

Prepared For: **GLB Exploration, Inc.**

200 N. Harvey Ste.610
Oklahoma City, OK 73102

ATTN: Bill Hamilton

32-32s-6w Harper KS

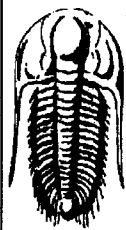
Osborne #1

Start Date: 2002.03.18 @ 06:46:08

End Date: 2002.03.18 @ 14:58:23

Job Ticket #: 15768 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

GLB Exploration, Inc.
200 N. Harvey Ste.610
Oklahoma City, OK 73102
ATTN: Bill Hamilton

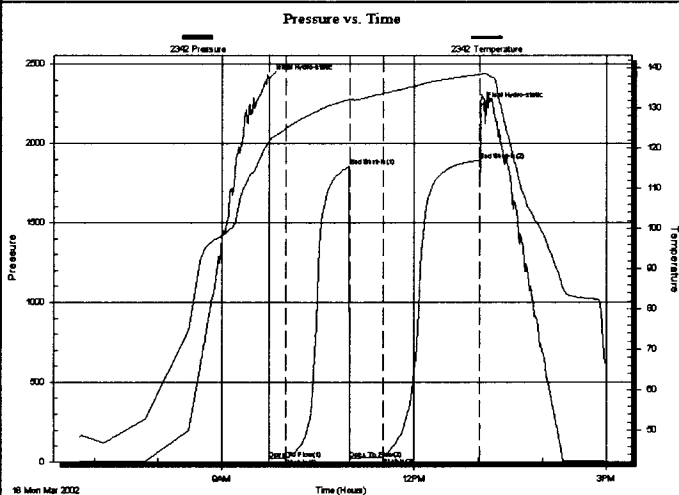
Osborne #1
32-32s-6w Harper KS
Job Ticket: 15768 **DST#: 1**
Test Start: 2002.03.18 @ 06:46:08

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 09:44:08
Time Test Ended: 14:58:23
Interval: **4842.00 ft (KB) To 4850.00 ft (KB) (TVD)**
Total Depth: **4850.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **23**
Reference Elevations: **1410.00 ft (KB)**
1402.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 2342 **Inside**
Press@RunDepth: **28.86 psig @ 4843.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2002.03.18** End Date: **2002.03.18** Last Calib.: **2002.03.18**
Start Time: **06:46:09** End Time: **14:58:23** Time On Btm: **2002.03.18 @ 09:43:53**
Time Off Btm: **2002.03.18 @ 13:01:23**

TEST COMMENT: F:Weak blow . 1/2" increasing to 2".
IS:No blow .
FF:Weak blow . 2 - 5".
FSI:No blow .



PRESSURE SUMMARY

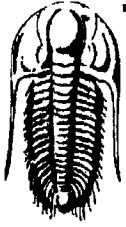
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2411.57	121.73	Initial Hydro-static
1	19.04	121.81	Open To Flow (1)
16	22.23	124.94	Shut-In(1)
76	1854.71	132.18	End Shut-In(1)
77	18.88	132.17	Open To Flow (2)
107	28.86	133.65	Shut-In(2)
197	1893.65	138.45	End Shut-In(2)
198	2234.15	138.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM 1%o 99% m	0.42
0.00	90 ft. of gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

GLB Exploration, Inc.
200 N. Harvey Ste.610
Oklahoma City, OK 73102
ATTN: Bill Hamilton

Osborne #1
32-32s-6w Harper KS
Job Ticket: 15768 DST#: 1
Test Start: 2002.03.18 @ 06:46:08

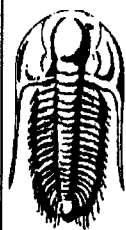
Tool Information

Drill Pipe:	Length: 4830.00 ft	Diameter: 3.80 inches	Volume: 67.75 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 67.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4842.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4813.00	
S.I. Tool	5.00			4818.00	
Sampler	3.00			4821.00	
HMV	5.00			4826.00	
Jars	5.00			4831.00	
Safety Joint	2.00			4833.00	
Packer	4.00			4837.00	30.00 Bottom Of Top Packer
Packer	5.00			4842.00	
Stubb	1.00			4843.00	
Recorder	0.00	2342	Inside	4843.00	
Perforations	5.00			4848.00	
Bullnose	2.00			4850.00	8.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

GLB Exploration, Inc.
200 N. Harvey Ste.610
Oklahoma City, OK 73102
ATTN: Bill Hamilton

Osborne #1
32-32s-6w Harper KS
Job Ticket: 15768 **DST#: 1**
Test Start: 2002.03.18 @ 06:46:08

Mud and Cushion Information

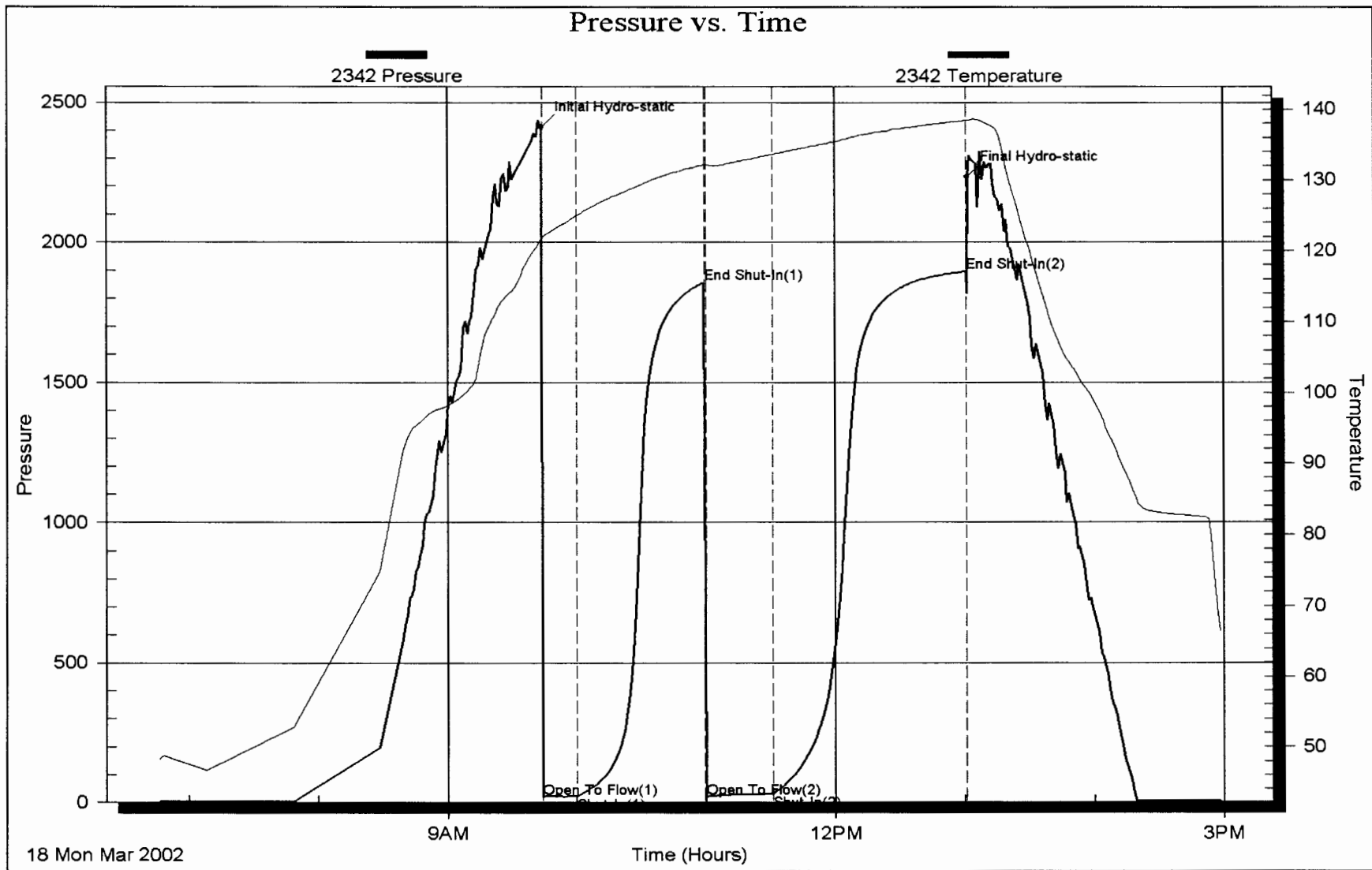
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	6200 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: 1.18 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 0.20 inches			

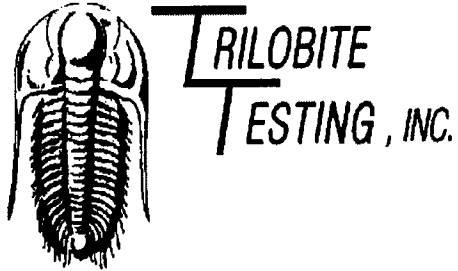
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM 1%o 99% <i>m</i>	0.421
0.00	90 ft. of gas in pipe	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler: .3 cubic ft. of gas, 310 ml. of oil, and 2790 ml. of H2O.
 104 psi. Rw . 0.7 ohms @ 52 deg. F. Chlorides 12,100 ppm.





DRILL STEM TEST REPORT

Prepared For: **GLB Exploration, Inc.**

200 N. Harvey Ste.610
Oklahoma City, OK 73102

ATTN: Bill Hamilton

32-32s-6w Harper KS

Osborne #1

Start Date: 2002.03.20 @ 06:39:44

End Date: 2002.03.20 @ 14:54:44

Job Ticket #: 15769 DST #: 2

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

GLB Exploration, Inc.

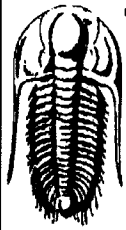
Osborne #1

32-32s-6w Harper KS

DST # 2

Miss.

2002.03.20



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DRILL STEM TEST REPORT

GLB Exploration, Inc.
200 N. Harvey Ste.610
Oklahoma City, OK 73102
ATTN: Bill Hamilton

Osborne #1
32-32s-6w Harper KS
Job Ticket: 15769 **DST#: 2**
Test Start: 2002.03.20 @ 06:39:44

GENERAL INFORMATION:

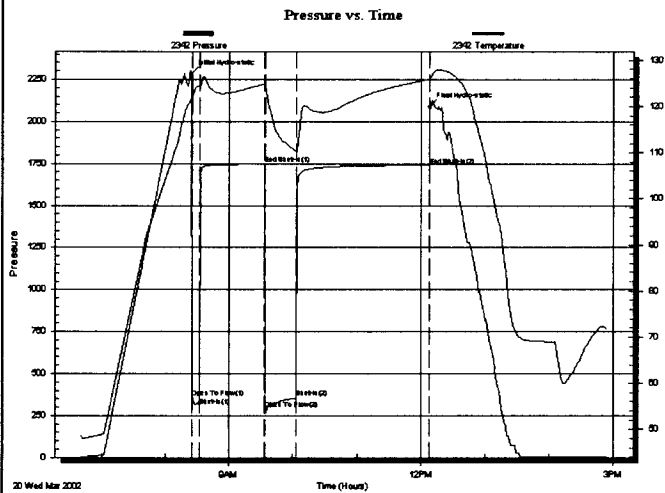
Formation: **Miss.**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 08:25:14
Time Test Ended: 14:54:44
Interval: **4445.00 ft (KB) To 4465.00 ft (KB) (TVD)**
Total Depth: 5050.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: **Poor**
Reference Elevations: 1410.00 ft (KB)
1402.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 2342

Inside

Press@RunDepth: 356.26 psig @ 4446.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2002.03.20 End Date: 2002.03.20 Last Calib.: 2002.03.20
Start Time: 06:39:45 End Time: 14:54:44 Time On Btm: 2002.03.20 @ 08:24:14
Time Off Btm: 2002.03.20 @ 12:07:59

TEST COMMENT: IF: Strong blow : GTS in 2 min. (see gas volume report)
IS: Venting throughout.
FF: Strong blow . (see gas volume report)
FSI: Venting throughout.



PRESSURE SUMMARY

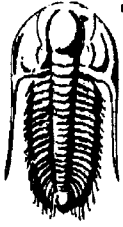
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2284.42	121.62	Initial Hydro-static
1	358.20	122.02	Open To Flow (1)
8	360.80	124.45	Shut-In (1)
69	1746.70	124.89	End Shut-In (1)
70	288.12	124.47	Open To Flow (2)
100	356.26	110.17	Shut-In (2)
224	1739.82	125.87	End Shut-In (2)
224	2087.78	125.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	MCO 32% m 68% o	1.12
55.00	Clean oil	0.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	54.00	1068.40
Last Gas Rate	0.75	77.00	1427.65
Max. Gas Rate	0.75	77.00	1427.65



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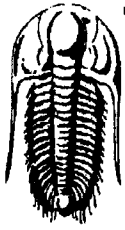
Osborne #1
32-32s-6w Harper KS
Job Ticket: 15769 **DST#: 2**
Test Start: 2002.03.20 @ 06:39:44

Tool Information

Drill Pipe:	Length: 4439.00 ft	Diameter: 3.80 inches	Volume: 62.27 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 81000.00 lb
			<u>Total Volume: 62.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4445.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	4465.00 ft			
Interval between Packers:	20.00 ft			
Tool Length:	635.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4416.00	
S.I. Tool	5.00			4421.00	
Sampler	3.00			4424.00	
HMV	5.00			4429.00	
Jars	5.00			4434.00	
Safety Joint	2.00			4436.00	
Packer	4.00			4440.00	30.00 Bottom Of Top Packer
Packer	5.00			4445.00	
Stubb	1.00			4446.00	
Recorder	0.00	2342	Inside	4446.00	
Perforations	15.00			4461.00	
Recorder	0.00	10290	Outside	4461.00	
Blank Off Sub	1.00			4462.00	
T.C.	3.00			4465.00	20.00 Tool Interval
Packer	0.00			4465.00	
Stubb	1.00			4466.00	
C.O. Sub	1.00			4467.00	
Blank Spacing	577.00			5044.00	
C.O. Sub	1.00			5045.00	
Recorder	0.00	10248	Below	5045.00	
Bullnose	5.00			5050.00	585.00 Bottom Packers & Anchor

Total Tool Length: 635.00



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ATTN: Bill Hamilton

Osborne #1
32-32s-6w Harper KS
Job Ticket: 15769 **DST#: 2**
Test Start: 2002.03.20 @ 06:39:44

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	7000 ppm
Viscosity:	66.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	10.37 in ³	Gas Cushion Type:			
Resistivity:	0.95 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	MCO 32% _m 68% _o	1.122
55.00	Clean oil	0.772

Total Length: 135.00 ft Total Volume: 1.894 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-1

Laboratory Name: Caraway Laboratory Location: Liberal KS

Recovery Comments: Sampler: 2.2 cubic ft. of gas, 45 ml. oil, and 0 ml. mud or H₂O.
915 psi.



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GAS RATES

GLB Exploration, Inc.

Osborne #1

200 N. Harvey Ste.610
Oklahoma City, OK 73102

32-32s-6w Harper KS

Job Ticket: 15769

DST#: 2

ATTN: Bill Hamilton

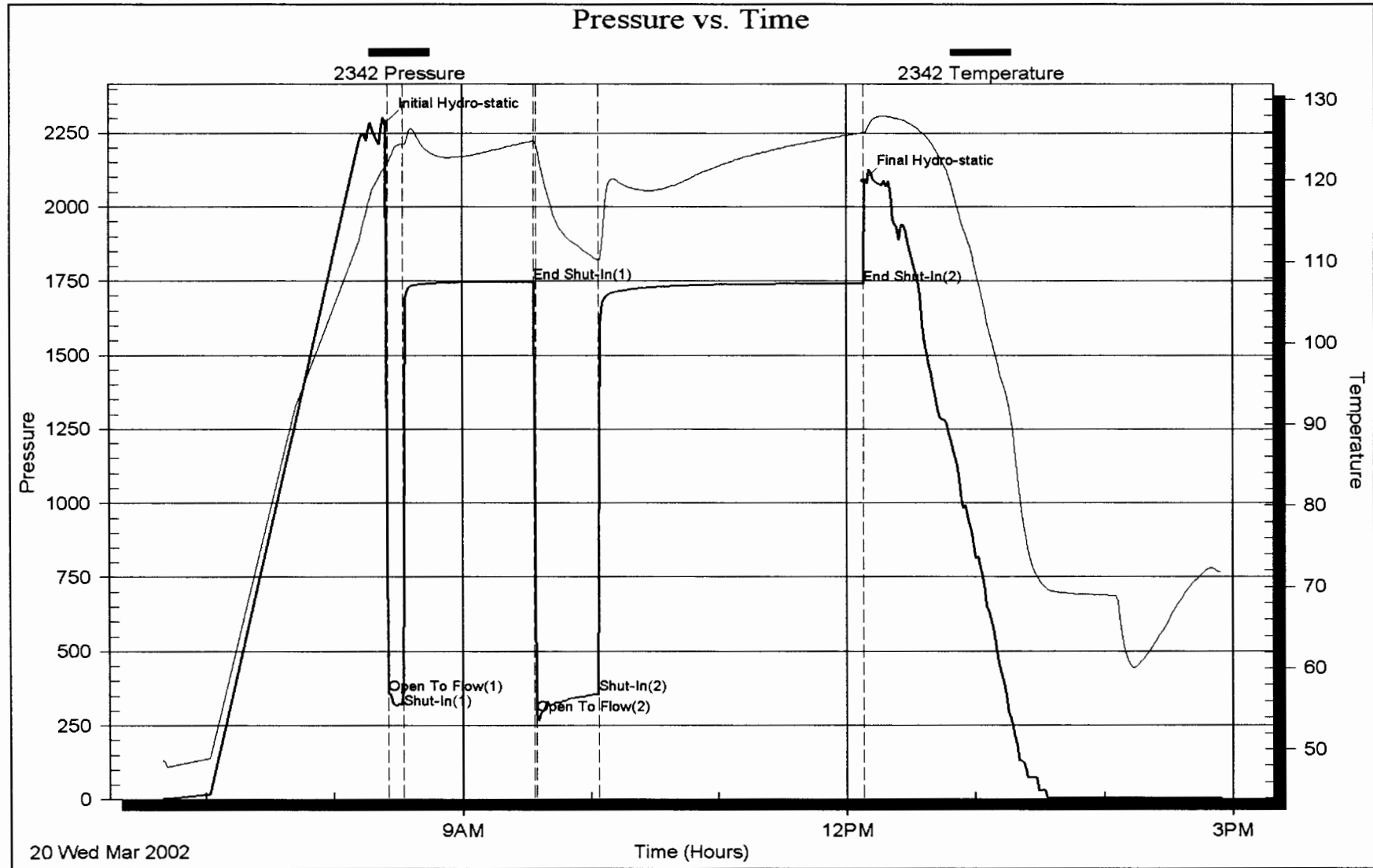
Test Start: 2002.03.20 @ 06:39:44

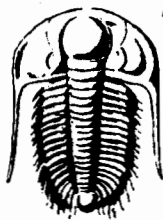
Gas Rates Information

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)
1	8	0.75	54.00	1068.40
1	8	0.75	54.00	1068.40
1	8	0.75	54.00	1068.40
2	10	0.75	66.00	1255.84
2	15	0.75	77.00	1427.65





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15768

Test Ticket

Well Name & No. Osborne #1 Test No. 1 Date 3-18-2002
 Company GLB Expl. Inc. Zone Tested Simpson
 Address 200 N. Harvey Ste. #210, Oklahoma City, Ok. 73102 Elevation 1410 KB 1402 GL
 Co. Rep / Geo. Bill Hamilton Cont. Duke Dalg. #5 Est. Ft. of Pay Por. %
 Location: Sec. 32 Twp. 32^S Rge. 4^W Co. Harper State Ko.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4842 - 4850' Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 8' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 67,000
 Top Packer Depth 4837' Tool Weight 2100 #
 Bottom Packer Depth 4842' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4850' Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.2 LCM 2# Vis. 65 WL 4.4cc. Drill Pipe Size 4 1/2" X.H. Ft. Run 4830'
 Blow Description IF: Wash below. 1/2" increasing to 2". FSI: No blow.
FF: Wash below. 2-5" FSI: No blow.

Recovery — Total Feet 30 GIP 90 Ft. in DC 0 Ft. in DP 30
 Rec. 30 Feet Of SOCM %gas 1 %oil %water 99 %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 138 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 6,200 ppm Recovery Chlorides 6,200 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2423</u>		<u>2342</u>	<u>0420</u>
(B) First Initial Flow Pressure		<u>19</u>		(depth) <u>4843'</u>	T-Started <u>0600</u> ^{out of}
(C) First Final Flow Pressure		<u>22</u>		Recorder No. <u> </u>	T-Open <u>0944</u>
(D) Initial Shut-In Pressure		<u>1855</u>		(depth) <u> </u>	T-Pulled <u>1300</u>
(E) Second Initial Flow Pressure		<u>19</u>		Recorder No. <u> </u>	T-Out <u>1458</u>
(F) Second Final Flow Pressure		<u>29</u>		(depth) <u> </u>	T-Off Location <u>1558</u>
(G) Final Shut-in Pressure		<u>1894</u>		Initial Opening <u>15</u>	Test <u>✓ 800⁰⁰</u>
(Q) Final Hydrostatic Mud		<u>2315</u>		Initial Shut-in <u>60</u>	Jars <u>✓ 200⁰⁰</u>
				Final Flow <u>30</u>	Safety Joint <u>✓ 50⁰⁰</u>
				Final Shut-in <u>90</u>	Straddle <u> </u>
				<u>4</u>	Circ. Sub <u> </u>
				<u>1</u>	Sampler <u>✓ 200⁰⁰</u>
					Extra Packer <u> </u>
					Elec. Rec. <u>✓ 150⁰⁰</u>
					Mileage <u>✓ 70</u>
					Other <u>STAND BY ✓ 30⁰⁰</u>
					TOTAL PRICE \$ <u>✓ 1500⁰⁰</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 Bill Hamilton
 Our Representative Gary Wolan

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 15768 Date 3-18-2002
Company Name GLB Expl. Inc.
Lease Osborne #1 Test No. 1
County Harper Ks. Sec. 32 Twp. 32^s Rng. 6^w

SAMPLER RECOVERY

Gas ~~1000~~ 13 cubic ft
Oil 310 ML
Mud 0 ML
Water 2790 ML
Other — ML
Pressure 104 PSI
Total 3100 ML

PIT MUD ANALYSIS

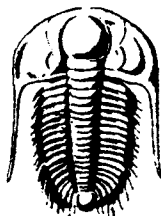
Chlorides 6 ppm.
Resistivity 1.18 ohms @ 60 F
Viscosity 65
Mud Weight 9.2
Filtrate 6.4 cc
Other LCM 2[#]/3L

SAMPLER ANALYSIS

Resistivity .7 ohms @ 52 F
Chlorides 12,100 ppm.
Gravity N.C. corrected @ 60 F

PIPE RECOVERY

TOP 90' Gas in Pipe
Resistivity N/A ohms @ — F
Chlorides N/A ppm.
MIDDLE
Resistivity — ohms @ — F
Chlorides — ppm.
BOTTOM 30' S.O.C.M
Resistivity N.C. ohms @ — F
Chlorides 4,200 ppm.



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15769

Test Ticket

Well Name & No. Osborne #1 Test No. 2 Date 3-20-2002
 Company GLB Expl. Inc. Zone Tested Miss.
 Address Oklahoma City Ok. 73102 Elevation 1410 KB 1402GL
 Co. Rep / Geo. Bill Hamilton Cont. Duke Dray. #2 Est. Ft. of Pay Por. %
 Location: Sec. 32 Twp. 32S Rge. 6W Co. Harper State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4445 - 4465 Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 62,000
 Anchor Length 20' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 81,000
 Top Packer Depth 4440 & 4445 Tool Weight 2100 #
 Bottom Packer Depth 4465 Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5050 Wt. Pipe Run None Drill Collar Run None
 Mud Wt. 9.2 LCM 2# Vis. 66 WL 10.4 u. Drill Pipe Size 4 1/2" x.H. Ft. Run 4439'
 Blow Description IF: Strong blow, BTS in 2 mins. (see gas volume report)
FF: Strong blow. (see gas volume report) FSI: Venting throughout.
FF: Strong blow. (see gas volume report) FSI: Venting throughout.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>135'</u>	<u>yes</u>	<u>0</u>	<u>135</u>
Rec. <u>55</u> Feet Of <u>clean oil!</u>	%gas	%oil	%water %mud
Rec. <u>80</u> Feet Of <u>MCO.</u>	%gas <u>68</u>	%oil	%water <u>32</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
BHT <u>126</u> °F Gravity <u>37</u> °API D@ <u>60</u> °F Corrected Gravity <u>37</u> °API			
RW <u>N.C.</u> @ <u> </u> °F Chlorides <u>7,000</u> ppm Recovery Chlorides <u>7,000</u> ppm System			

	AK-1	Alpine	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2303</u> PSI	<u>2342</u>	<u>2342</u>	<u>0440</u>
(B) First Initial Flow Pressure	<u>358</u> PSI	<u>4446'</u>	(depth)	<u>0639</u>
(C) First Final Flow Pressure	<u>361</u> PSI	<u>10290</u>	Recorder No.	<u>0825</u>
(D) Initial Shut-In Pressure	<u>1747</u> PSI	<u>4461'</u>	(depth)	<u>1206</u>
(E) Second Initial Flow Pressure	<u>288</u> PSI	<u>10248</u>	Recorder No.	<u>1454</u>
(F) Second Final Flow Pressure	<u>356</u> PSI	<u>5045'</u>	(depth)	<u>1615</u>
(G) Final Shut-in Pressure	<u>1742</u> PSI	<u>8</u>	Initial Opening	<u>900⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>2022</u> PSI	<u>60</u>	Initial Shut-in	<u>200⁰⁰</u>
		<u>30</u>	Final Flow	<u>50⁰⁰</u>
		<u>120</u>	Final Shut-in	<u>250⁰⁰</u>
		<u>4</u>	Circ. Sub	<u>200⁰⁰</u>
			Sampler	<u>150⁰⁰</u>
			Extra Packer	<u>150⁰⁰</u>
			Elec. Rec.	<u>70⁰⁰</u>
			Mileage	<u> </u>
			Other	<u>1970⁰⁰</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 Bill Hamilton
 Our Representative Cary Pivotaux

TOTAL PRICE \$ 1970⁰⁰

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 15769 Date 3-20-2002
Company Name GLB Expl. - Inc
Lease Osborne #1 Test No. 2
County Harper KS Sec. 32 Twp. 32S Rng. 6W

SAMPLER RECOVERY

Gas 2.2 Cubic ft. ML
Oil 45 ML
Mud None ML
Water None ML
Other --- ML
Pressure 915 PSI
Total 45 ML

PIT MUD ANALYSIS

Chlorides 7,000 ppm.
Resistivity 0.95 ohms @ 64 F
Viscosity 66
Mud Weight 9.2
Filtrate 10.4 cc.
Other LCM 2#/BL

SAMPLER ANALYSIS

Resistivity N/A ohms @ --- F
Chlorides N/A ppm.
Gravity 37 corrected @ 60 F

PIPE RECOVERY

TOP Cross in all fluid free pipe!
Resistivity N/A ohms @ --- F
Chlorides N/A ppm.

MIDDLE 55' clean Oil.
Resistivity N/A ohms @ --- F
Chlorides N/A ppm.

BOTTOM 80' m.c.o. 68900 3290M
Resistivity N/A ohms @ --- F
Chlorides 7,000 ppm.

CHART PAGE

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

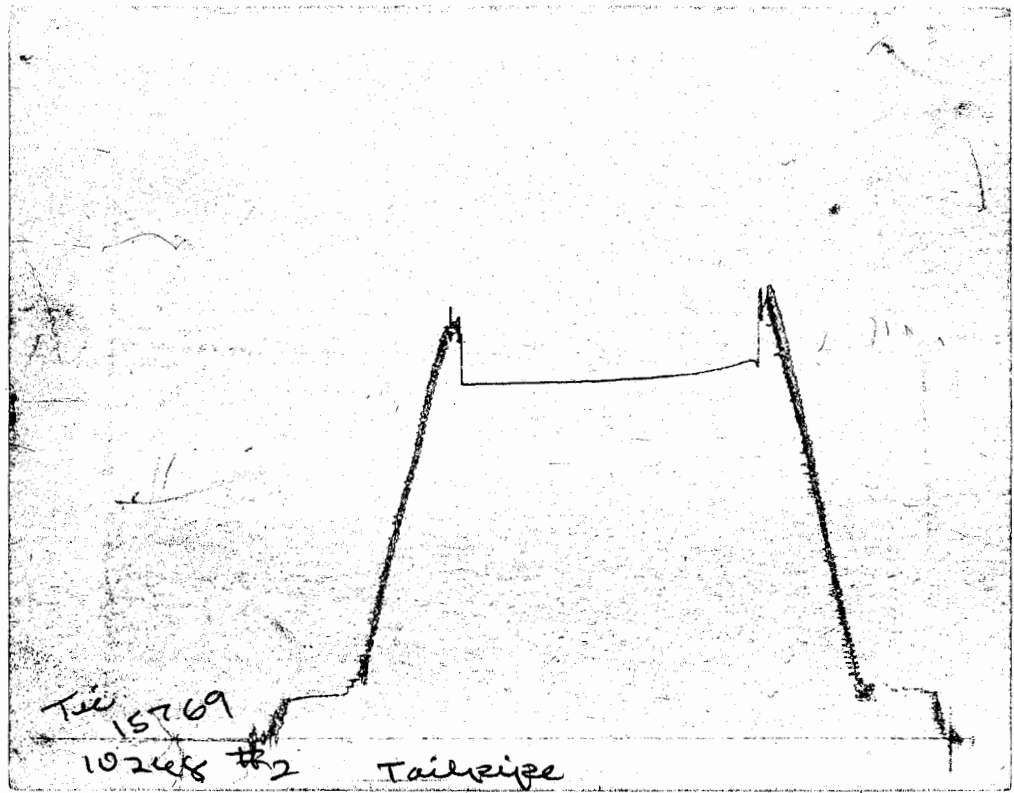
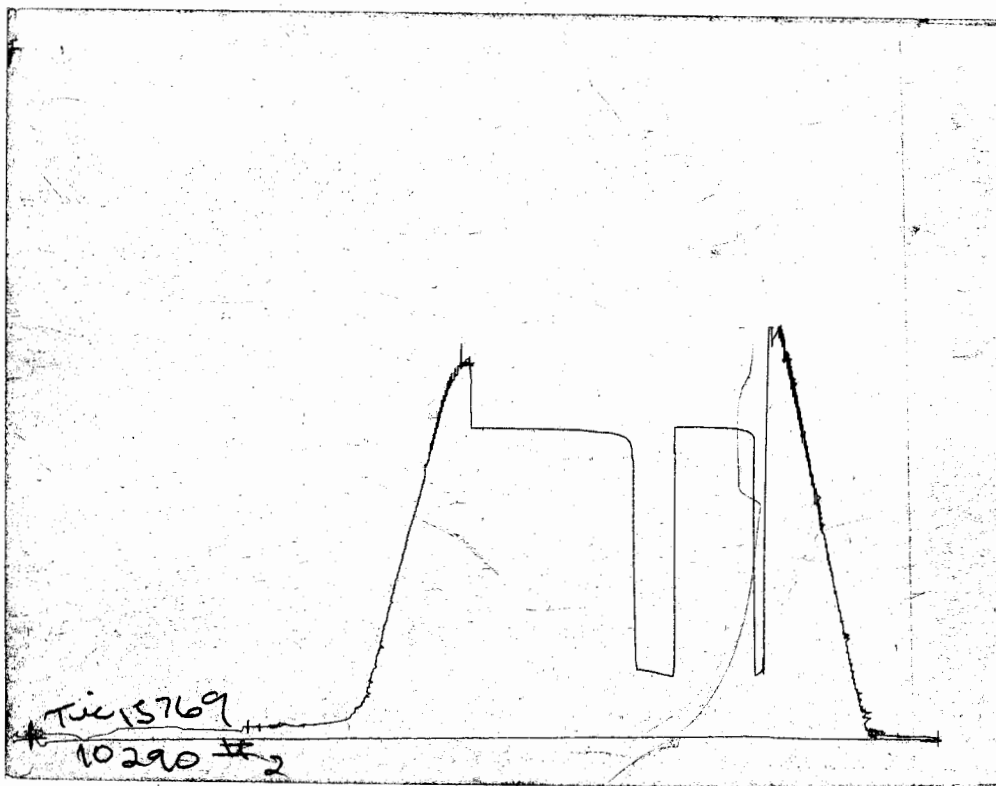


CHART PAGE

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



NATURAL GAS ANALYSIS REPORT

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20021277

Analyzed: 03/25/02

Sample From: Osborne 1 DST 2
Producer: GLB Exploration

Pressure:
Temperature:

Date: Location: 32-32-6

Time: County: Harper
Sampler: State: Kansas
Source: Formation: Miss

	Mole %	GPM
Helium	He: 0.327	0.000
Hydrogen	H2: 0.005	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 8.131	0.000
Carbon Dioxide	CO2: 0.075	0.000
Methane	C1: 77.533	0.000
Ethane	C2: 6.918	1.850
Propane	C3: 3.601	0.992
Iso Butane	iC4: 0.509	0.167
Normal Butane	nC4: 1.348	0.425
Iso Pentane	iC5: 0.329	0.120
Normal Pentane	nC5: 0.440	0.159
Hexanes Plus	C6+: 0.784	0.342

TOTAL: 100.000 4.056

Z Fact: 0.9971

SP.GR.: 0.7204

BTU (SAT): 1113.8 @ 14.73 psia

BTU (DRY): 1133.5 @ 14.73 psia

OCTANE RATING: 113.8

COMMENTS:

0.000