



DRILL STEM TEST REPORT

Prepared For: **Sho-Bar Energy Inc.**

215 E 14 th
Harper Ks. 67058

ATTN: Arden Ratzlaff

34-30s-7w Harper Ks.

Smith #2-34

Start Date: 2005.01.19 @ 12:42:54

End Date: 2005.01.19 @ 21:53:39

Job Ticket #: 19919 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

Sho-Bar Energy Inc.

215 E 14 th
Harper Ks. 67058

ATTN: Arden Ratzlaff

Smith #2-34

34-30s-7w Harper Ks.

Job Ticket: 19919

DST#: 1

Test Start: 2005.01.19 @ 12:42:54

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 15:02:54

Time Test Ended: 21:53:39

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4305.00 ft (KB) To 4318.00 ft (KB) (TVD)**

Total Depth: **4318.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1589.00 ft (KB)**

1584.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: **108.87 psig @ 4306.00 ft (KB)**

Start Date: **2005.01.19**

End Date:

2005.01.19

Capacity: **7000.00 psig**

Last Calib.: **2005.01.19**

Start Time: **12:42:59**

End Time:

21:53:39

Time On Btm: **2005.01.19 @ 14:59:24**

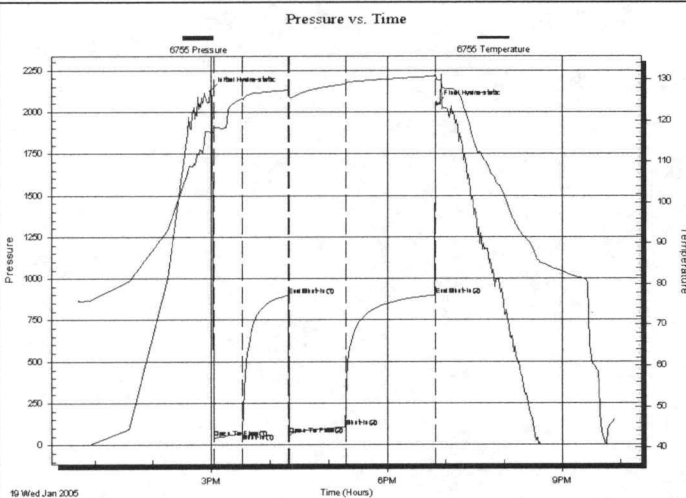
Time Off Btm: **2005.01.19 @ 18:51:09**

TEST COMMENT: **IF: Strong blow . B.O.B. in 6 secs. GTS in 17 mins. (see gas flow report)**

IS: No blow .

FF: Strong blow . (see gas flow report)

FST: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2126.13	117.02	Initial Hydro-static
4	43.37	118.00	Open To Flow (1)
33	74.81	125.41	Shut-In(1)
79	899.76	127.43	End Shut-In(1)
80	57.33	126.02	Open To Flow (2)
138	108.87	128.88	Shut-In(2)
230	899.47	130.80	End Shut-In(2)
232	2048.55	129.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	GOCM 5%g 16%o 79%w	0.42
120.00	OCMV 18%o 32%w 50%w	0.59
60.00	SW w/o specs Rw .098 ohms @ 51 deg	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.25	6.00	32.36
Max. Gas Rate	0.25	9.00	37.12



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sho-Bar Energy Inc.

Smith #2-34

215 E 14 th
Harper Ks. 67058

34-30s-7w Harper Ks.

Job Ticket: 19919

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2005.01.19 @ 12:42:54

Tool Information

Drill Pipe:	Length: 4014.00 ft	Diameter: 3.80 inches	Volume: 56.31 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	57.79 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4305.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter:	inches	
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4284.00	
Shut In Tool	5.00			4289.00	
Hydraulic tool	5.00			4294.00	
Safety Joint	2.00			4296.00	
Packer	4.00			4300.00	22.00 Bottom Of Top Packer
Packer	5.00			4305.00	
Stubb	1.00			4306.00	
Recorder	0.00	6755	Inside	4306.00	
Perforations	7.00			4313.00	
Recorder	0.00	13222	Outside	4313.00	
Bullnose	5.00			4318.00	13.00 Bottom Packers & Anchor

Total Tool Length: 35.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Sho-Bar Energy Inc.

Smith #2-34

215 E 14 th
Harper Ks. 67058

34-30s-7w Harper Ks.

Job Ticket: 19919

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2005.01.19 @ 12:42:54

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: 119000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
85.00	GOCM 5%g 16%o 79%m	0.418
120.00	OCMW 18%o 32%m 50%w	0.590
60.00	SW w/o specs Rw .098 ohms @ 51 deg	0.295

Total Length: 265.00 ft

Total Volume: 1.303 bbl

Num Fluid Samples: 0

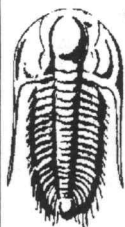
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Sho-Bar Energy Inc.

Smith #2-34

215 E 14 th
Harper Ks. 67058

34-30s-7w Harper Ks.

Job Ticket: 19919

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2005.01.19 @ 12:42:54

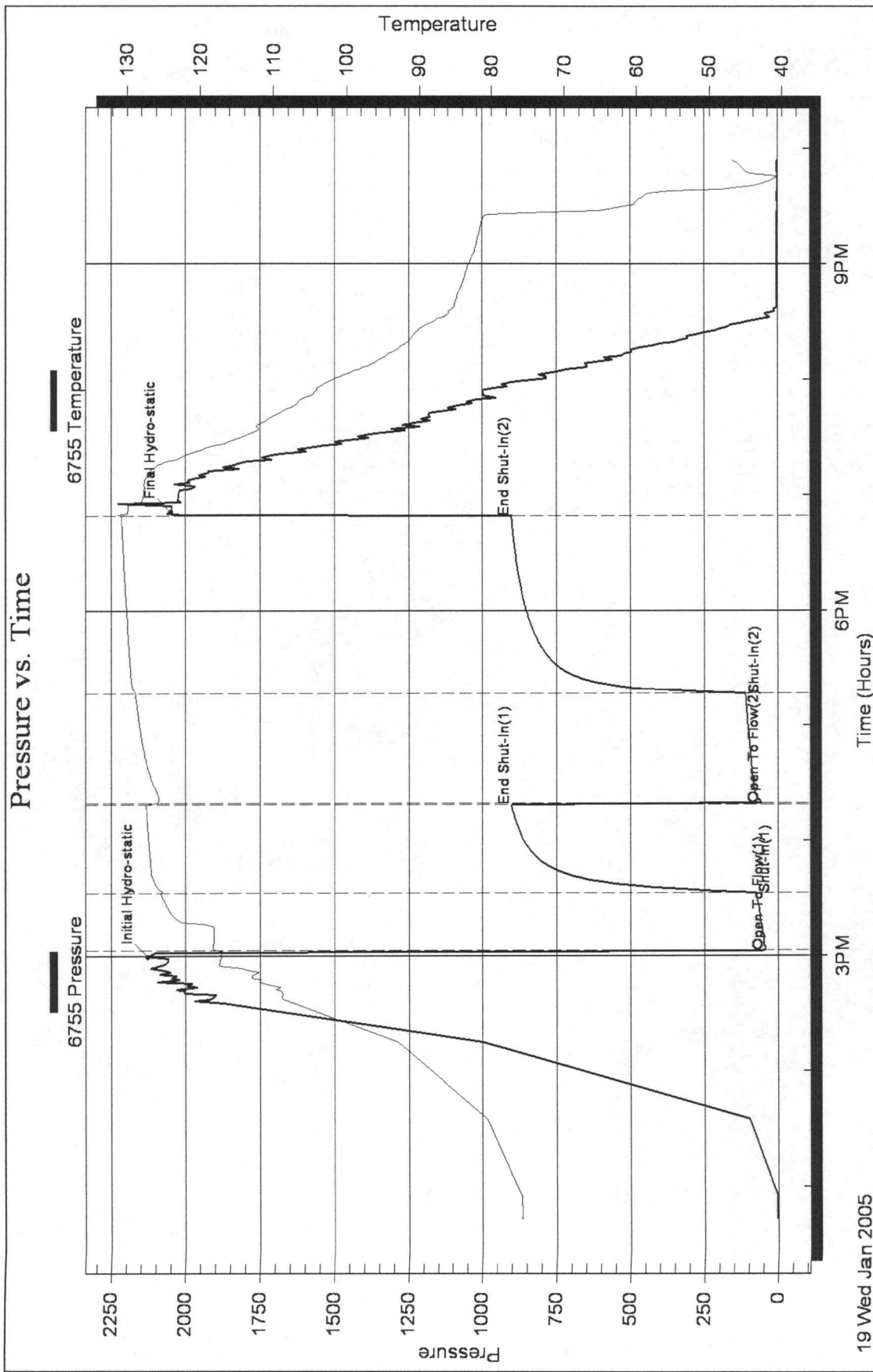
Gas Rates Information

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	20	0.13	2.00	6.14
1	20	0.13	2.00	6.14
1	30	0.13	7.00	8.01
2	10	0.25	9.00	37.12
2	20	0.25	8.00	35.54
2	30	0.25	7.00	33.95
2	40	0.25	6.00	32.36

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Sho-Bar Energy Inc.**

215 E 14 th
Harper Ks. 67058

ATTN: Arden Ratzlaff

34-30s-7w Harper Ks.

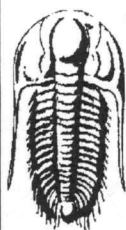
Smith #2-34

Start Date: 2005.01.20 @ 11:27:42

End Date: 2005.01.20 @ 20:38:42

Job Ticket #: 19920 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

Sho-Bar Energy Inc.

215 E 14 th
Harper Ks. 67058

ATTN: Arden Ratzlaff

Smith #2-34

34-30s-7w Harper Ks.

Job Ticket: 19920

DST#: 2

Test Start: 2005.01.20 @ 11:27:42

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:43:27

Time Test Ended: 20:38:42

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4323.00 ft (KB) To 4334.00 ft (KB) (TVD)**

Total Depth: 4334.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1589.00 ft (KB)

1584.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 103.30 psig @ 4324.00 ft (KB)

Start Date: 2005.01.20

End Date:

2005.01.20

Start Time: 11:27:47

End Time:

20:38:42

Capacity: 7000.00 psig

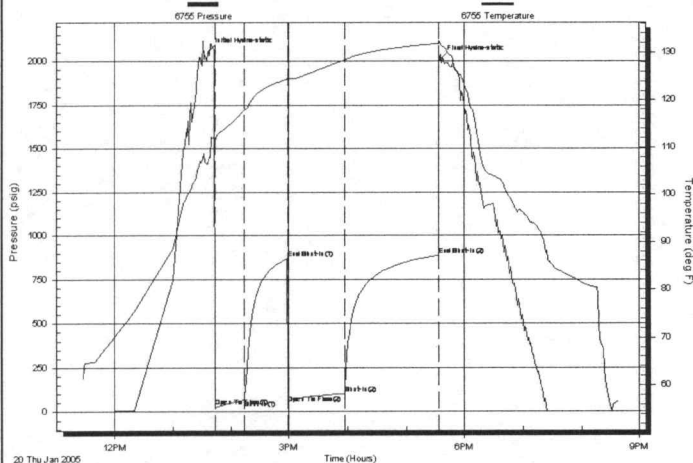
Last Calib.: 2005.01.20

Time On Btm: 2005.01.20 @ 13:37:27

Time Off Btm: 2005.01.20 @ 17:35:42

TEST COMMENT: IF: Strong blow . B.O.B. in 35 secs.
IS: Weak blow . 1/2".
FF: Strong blow . B.O.B. in 16 secs.
FS: GTS in 6 mins. Weak blow . 1/2 - 2".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2053.99	107.43	Initial Hydro-static
6	28.77	111.38	Open To Flow (1)
37	66.44	117.80	Shut-In(1)
81	869.70	124.46	End Shut-In(1)
82	48.41	124.43	Open To Flow (2)
140	103.30	128.36	Shut-In(2)
236	886.68	131.87	End Shut-In(2)
239	2013.19	131.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCWM 18%o 22%w 60%r	0.30
120.00	OCMW 7%o 23m 70%w	0.59
60.00	SOCW 2%o 98%w Rw .093 ohms @52	d0.31

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sho-Bar Energy Inc.

Smith #2-34

215 E 14 th
Harper Ks. 67058

34-30s-7w Harper Ks.

Job Ticket: 19920

DST#: 2

ATTN: Arden Ratzlaff

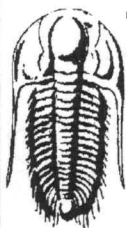
Test Start: 2005.01.20 @ 11:27:42

Tool Information

Drill Pipe:	Length: 4072.00 ft	Diameter: 3.80 inches	Volume: 57.12 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 115000.0 lb
			Total Volume: 58.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4323.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4302.00	
Shut In Tool	5.00			4307.00	
Hydraulic tool	5.00			4312.00	
Safety Joint	2.00			4314.00	
Packer	4.00			4318.00	22.00 Bottom Of Top Packer
Packer	5.00			4323.00	
Stubb	1.00			4324.00	
Recorder	0.00	6755	Inside	4324.00	
Perforations	5.00			4329.00	
Recorder	0.00	13222	Outside	4329.00	
Bullnose	5.00			4334.00	11.00 Bottom Packers & Anchor

Total Tool Length: 33.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Sho-Bar Energy Inc.

Smith #2-34

215 E 14 th
Harper Ks. 67058

34-30s-7w Harper Ks.

Job Ticket: 19920

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2005.01.20 @ 11:27:42

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:

129000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCWM 18%o 22%w 60%m	0.305
120.00	OCMV 7%o 23m 70%w	0.590
60.00	SOCW 2%o 98%w Rw .093 ohms @52 deg	0.313

Total Length: 242.00 ft

Total Volume: 1.208 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

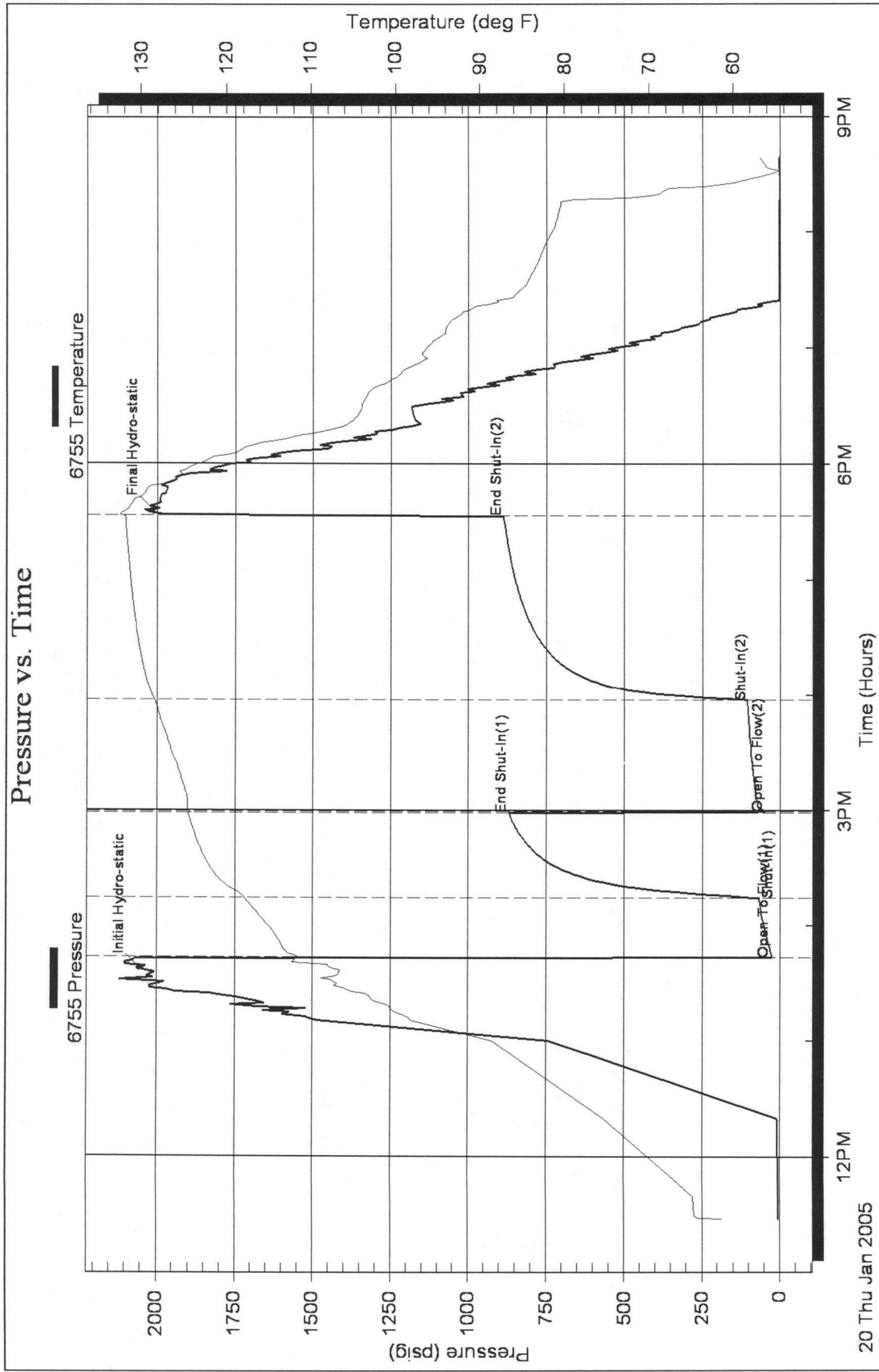
Serial #: 6755

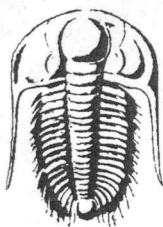
Inside

Sho-Bar Energy Inc.

34-30s-7w Harper Ks.

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19919

05/03

Test Ticket

Well Name & No. Smith # 2-34 Test No. 1 Date 1-19-05
Company Sho-Ben Energy Inc. Zone Tested Miss.
Address 215 E. 14th, Hays, KS 67608 Elevation 1589 KB 1584 GL
Co. Rep / Geo. Arden Ratylaff Cont. Pickrell Dwy #1 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 34 Twp. 30S Rge. 7W Co. Kingman State Ks.
No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4305 - 4318' Initial Str Wt./Lbs. 71,000 Unseated Str Wt./Lbs. 73,000
Anchor Length 13' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000
Top Packer Depth 4300' Tool Weight 2100 lb
Bottom Packer Depth 4305' Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 4318' Wt. Pipe Run None Drill Collar Run 300
Mud Wt. 8.9 LCM 25 Vis. 47 WL 8.8cc Drill Pipe Size 4 1/2" Ft. Run 4014
Blow Description IF: Strong below. B.O.B. in 6 sec. GTS in 17 mins. (see gas flow report) ISI: No below.
FF: Strong below. (see gas flow report) FSI: No below.

Recovery - Total Feet 265 GIP yes Ft. in DC 265 Ft. in DP 0
Rec. 85 Feet of 60CM %gas 16 %oil _____ %water 79 %mud _____
Rec. 120 Feet of 60CM %gas 18 %oil 50 %water 32 %mud _____
Rec. 60 Feet of SW 60SPECS %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 131 °F Gravity N/A °API D @ 2 °F Corrected Gravity N/A °API
RW 6098 @ 51 °F Chlorides 119,000 ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2126</u>	PSI	<u>6755</u>	<u>✓ 1000</u>
(B) First Initial Flow Pressure	<u>43</u>	PSI	<u>4306'</u>	<u>✓</u>
(C) First Final Flow Pressure	<u>25</u>	PSI	<u>13222</u>	Jars _____
(D) Initial Shut-In Pressure	<u>900</u>	PSI	<u>4318'</u>	Safety Jt. <u>✓ 50</u>
(E) Second Initial Flow Pressure	<u>57</u>	PSI	<u>~</u>	Circ Sub _____
(F) Second Final Flow Pressure	<u>109</u>	PSI	<u>~</u>	Sampler _____
(G) Final Shut-In Pressure	<u>899</u>	PSI	<u>Initial Opening</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2049</u>	PSI	Initial Shut-In	Ext. Packer _____

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 Arden Ratylaff
Our Representative Cammy Fawcett

Final Flow 90
Final Shut-In 1145
T-On Location 1242
T-Started 1502
T-Open 1852
T-Pulled 2153
T-Out _____
Mileage ✓ 110
Sub Total: 1160⁰⁰
Std. By ✓ 30⁰⁰
Other _____
Total: 1190⁰⁰



GAS VOLUME REPORT

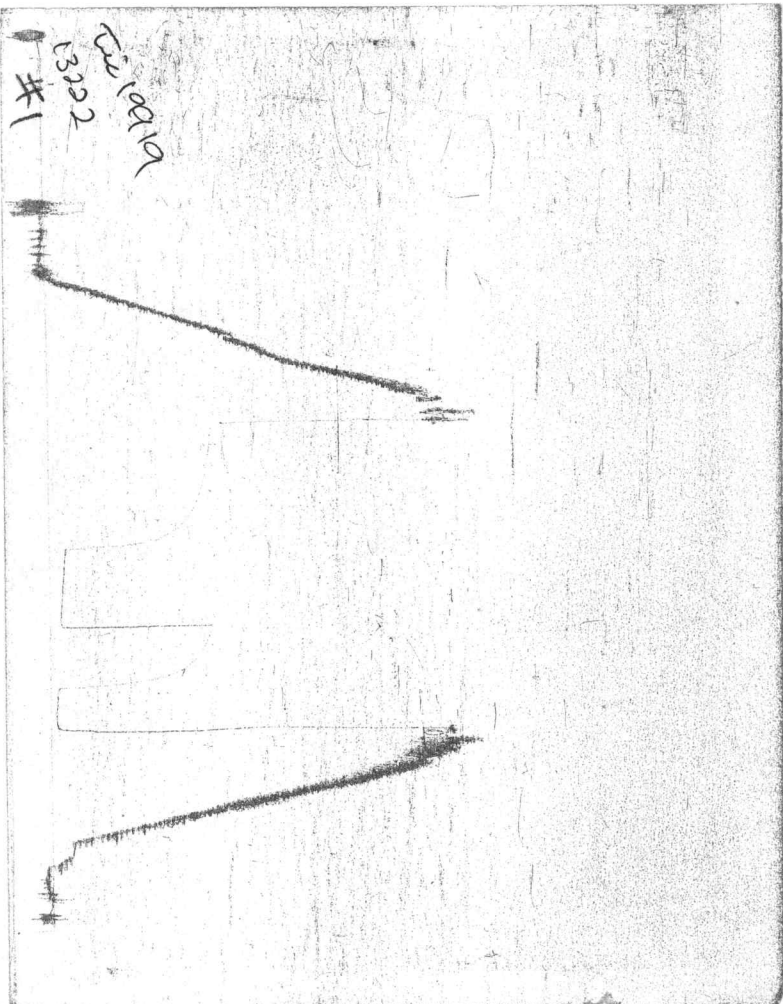
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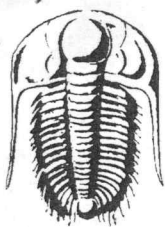
Final Open

Remarks:

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19920

05/03

Test Ticket

Well Name & No.	Smith # 2-34	Test No.	2	Date	1-20-05
Company	Sho-Bar Energy Inc.	Zone Tested	Miss.		
Address	Harper, Ks. 67058	Elevation	1589	KB	1584
Co. Rep / Geo.	Arden Ratylaff	Cont.	Pickens Del. #1	Est. Ft. of Pay	
Location: Sec.	34	Twp.	30S	Rge.	7W
		Co.	Kingman	State	Ks.
No. of Copies	5	Disbtribution Sheet (Y, N)	N	Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	4323 - 4334'	Initial Str Wt./Lbs.	73,000	Unseated Str Wt./Lbs.	75,000
Anchor Length	11'	Wt. Set Lbs.	20,000	Wt. Pulled Loose/Lbs.	115,000
Top Packer Depth	4318'	Tool Weight	2100#		
Bottom Packer Depth	4323'	Hole Size	7 7/8"	Rubber Size	6 3/4"
Total Depth	4334'	Wt. Pipe Run	None	Drill Collar Run	240
Mud Wt.	8.9 LCM 2#	Vis.	50	WL	8.4 cc
		Drill Pipe Size	4 1/2"	Ft. Run	4072'
Blow Description	IF: Strong below B.O.B. in 35 secs. ISI: weak below 1/2"				

EF: Strong below B.O.B. in 16 secs. FSI: GTS in 6 mins. Weak below 1/2 - 2".

Recovery - Total Feet	2412	GIP	yes	Ft. in DC	240	Ft. in DP	2
Rec.	62	Feet of	OCWM	%gas	18	%oil	22
				%water	36	%mud	
Rec.	120	Feet of	OCMW	%gas	7	%oil	70
				%water	23	%mud	
Rec.	60	Feet of	SOCW	%gas	2	%oil	98
				%water		%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
BHT	132	°F Gravity	N/A	°API D @		°F Corrected Gravity	N/A
		°API					
RW	.093	@	52	°F	Chlorides	129,000	ppm Recovery
					Chlorides	5000	ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	2054 PSI	Recorder No.	6755
(B) First Initial Flow Pressure	29 PSI	(depth)	4324'
(C) First Final Flow Pressure	4 PSI	Recorder No.	13222
(D) Initial Shut-In Pressure	870 PSI	(depth)	4329'
(E) Second Initial Flow Pressure	48 PSI	Recorder No.	
(F) Second Final Flow Pressure	103 PSI	(depth)	
(G) Final Shut-In Pressure	887 PSI	Initial Opening	30
(Q) Final Hydrostatic Mud	2013 PSI	Initial Shut-In	45
		Final Flow	60
		Final Shut-In	90
		T-On Location	1115
		T-Started	1127
		T-Open	1343
		T-Pulled	1733
		T-Out	2038

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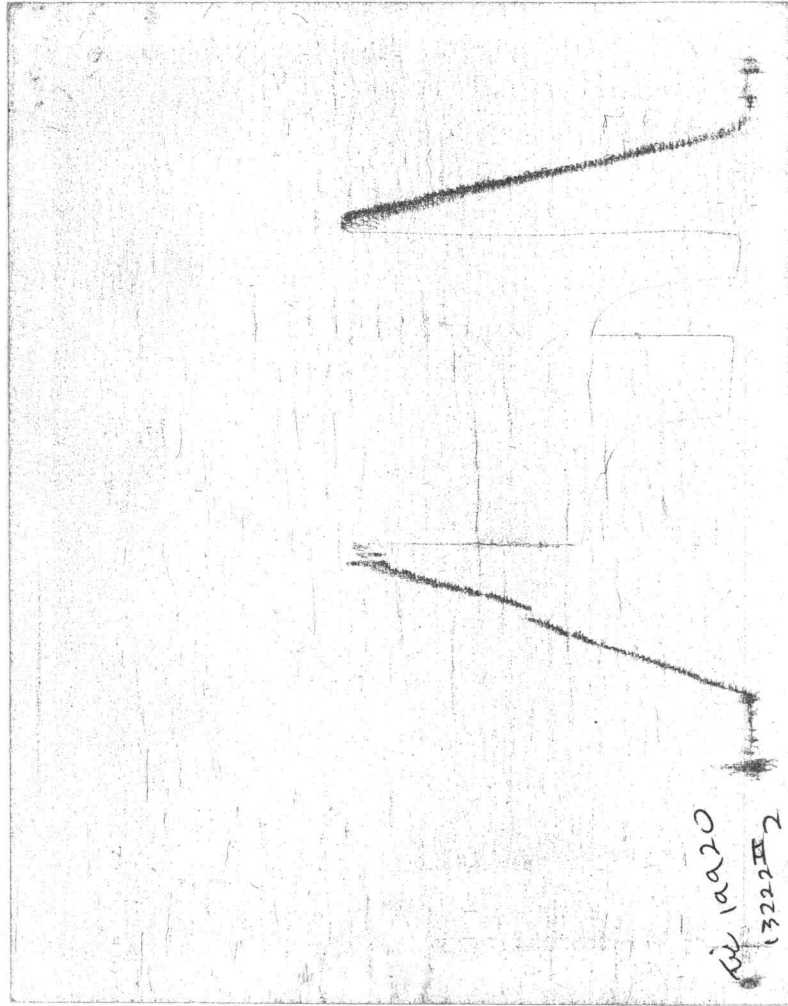
Approved By Arden Ratylaff

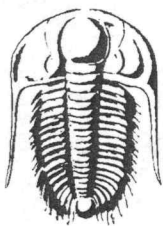
Our Representative Conny Swartz

Test	✓	1000
Elec. Rec.	✓	
Jars		
Safety Jt.	✓	50
Circ Sub		
Sampler		
Straddle		
Ext. Packer		
Shale Packer		
Mileage	✓	110 ⁰⁰
Sub Total:		1160 ⁰⁰
Std. By		
Other		
Total:		1160 ⁰⁰

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19921

05/03

Test Ticket

Well Name & No.	Smith # 2 - 34	Test No.	3	Date	1-22-05
Company	Sho-Bar Energy Inc.	Zone Tested	Simpson		
Address	Hays, Ks. 67608	Elevation	1589	KB	1584 GL
Co. Rep / Geo.	Arden Ratylapp	Cont.	Pickrell Drly #1	Est. Ft. of Pay	Por. %
Location: Sec.	34	Twp.	30S	Rge.	2W
		Co.	Kingman	State	Ks.
No. of Copies	5	Disbtribution Sheet (Y, N)	N	Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	4705 - 4718'	Initial Str Wt./Lbs.	75,000	Unseated Str Wt./Lbs.	78,000
Anchor Length	13'	Wt. Set Lbs.	20,000	Wt. Pulled Loose/Lbs.	92,000
Top Packer Depth	4700'	Tool Weight	2400#		
Bottom Packer Depth	4705'	Hole Size 7 7/8"	✓	Rubber Size 6 3/4"	✓
Total Depth	4718'	Wt. Pipe Run	None	Drill Collar Run	240
Mud Wt.	9.2	LCM	2#	Vis.	52
		WL	10.4	Drill Pipe Size	4 1/2"
				Ft. Run	4472'
Blow Description	IF: Fair to strong blow 30.3. in 24 mins. ISI: weak below 1/2 - 3".				
	EF: Strong blow 30.3. in 5 mins. FSI: weak below 1/2 - 3".				

Recovery - Total Feet	295	GIP	1050	Ft. in DC	240	Ft. in DP	55				
Rec.	55	Feet of	GOCM	22 %gas	13 %oil	%water	65 %mud				
Rec.	120	Feet of	GMCO	48 %gas	37 %oil	%water	15 %mud				
Rec.	120	Feet of	OCMW	%gas	4 %oil	85 %water	11 %mud				
Rec.		Feet of		%gas	%oil	%water	%mud				
Rec.		Feet of		%gas	%oil	%water	%mud				
BHT	140	°F Gravity	N/A	°API D @		°F Corrected Gravity	N/A				
RW	17	@	44	°F	Chlorides	74,000 ppm	Recovery	✓	Chlorides	8,000 ppm	System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2332	PSI	Recorder No.	6755	Test	✓	1000
(B) First Initial Flow Pressure			25	PSI	(depth)	4706'	Elec. Rec.	✓	
(C) First Final Flow Pressure			91	PSI	Recorder No.	13222	Jars		
(D) Initial Shut-In Pressure			1752	PSI	(depth)	4713'	Safety Jt.	✓	50
(E) Second Initial Flow Pressure			100	PSI	Recorder No.		Circ Sub		
(F) Second Final Flow Pressure			114	PSI	(depth)		Sampler		
(G) Final Shut-In Pressure			1755	PSI	Initial Opening	45	Straddle		
(Q) Final Hydrostatic Mud			2252	PSI	Initial Shut-In	60	Ext. Packer		

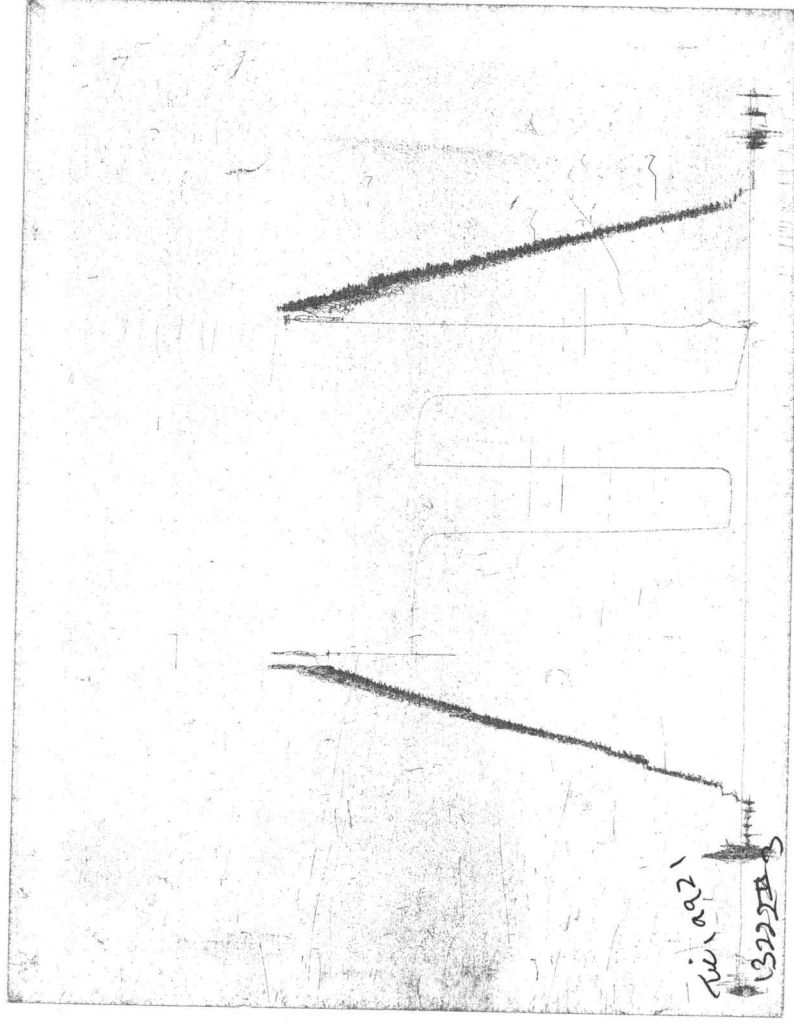
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Approved By: Arden Ratylapp
Our Representative: Cam Ratylapp

Final Flow	45	Shale Packer	
Final Shut-In	90	Mileage	✓ 110
T-On Location	0200	Sub Total:	1160.00
T-Started	0210	Std. By	✓ 30
T-Open	0504	Other	
T-Pulled	0911	Total:	✓ 1190.00
T-Off	1159		

CHART PAGE

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



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