



## DRILL STEM TEST REPORT

Prepared For: **Suemaor Exploration & Prod. LLC**

802 N. Carancahua  
Corpus Christi, TX 78401

ATTN: Rocky Milford

**23-6-28w Sheridan,KS**

**Kuehn Family Trust #1-23**

Start Date: 2016.02.21 @ 17:40:00

End Date: 2016.02.22 @ 02:05:30

Job Ticket #: 65331                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.25 @ 14:08:10



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Suemaour Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

ATTN: Rocky Milford

Job Ticket: 65331

**DST#: 1**

Test Start: 2016.02.21 @ 17:40:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:10:00

Time Test Ended: 02:05:30

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 83

**Interval: 3825.00 ft (KB) To 3905.00 ft (KB) (TVD)**

Reference Elevations: 2712.00 ft (KB)

Total Depth: 3905.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 130.11 psig @ 3826.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.21

End Date:

2016.02.22

Last Calib.:

2016.02.22

Start Time: 17:40:05

End Time:

02:05:29

Time On Btm:

2016.02.21 @ 20:09:45

Time Off Btm:

2016.02.21 @ 23:43:45

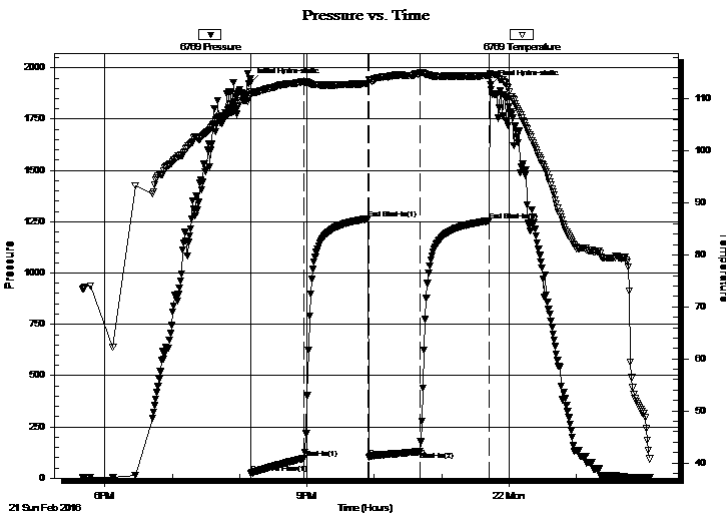
**TEST COMMENT:** 45 - IF: Blow built to 2" at 30 min., stayed at 2" till close

60 - IS: No blow back

45 - FF: Blow built to 1 1/2"

60 - FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1928.25	110.58	Initial Hydro-static
1	21.02	110.61	Open To Flow (1)
48	97.39	113.26	Shut-In(1)
105	1264.73	112.90	End Shut-In(1)
106	103.02	113.72	Open To Flow (2)
151	130.11	114.91	Shut-In(2)
213	1254.50	114.47	End Shut-In(2)
214	1919.61	114.62	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	OCM 82% m, 11% o, 7% g	0.61
63.00	OCM 72% m, 23% o, 5% g	0.31
45.00	OCM 60% m, 38% o, 2% g	0.63

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Suemaour Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

Job Ticket: 65331

**DST#: 1**

ATTN: Rocky Milford

Test Start: 2016.02.21 @ 17:40:00

## Tool Information

Drill Pipe:	Length: 3641.00 ft	Diameter: 3.80 inches	Volume: 51.07 bbl	Tool Weight: 2500.00 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: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 51.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3825.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3797.00	
Shut In Tool	5.00			3802.00	
Hydraulic tool	5.00			3807.00	
Jars	5.00			3812.00	
Safety Joint	3.00			3815.00	
Packer	5.00			3820.00	29.00 Bottom Of Top Packer
Packer	5.00			3825.00	
Stubb	1.00			3826.00	
Recorder	0.00	6769	Inside	3826.00	
Recorder	0.00	8366	Outside	3826.00	
Perforations	11.00			3837.00	
Blank Spacing	65.00			3902.00	
Bullnose	3.00			3905.00	80.00 Bottom Packers & Anchor

**Total Tool Length: 109.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Suemaur Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

Job Ticket: 65331 **DST#: 1**

ATTN: Rocky Milford

Test Start: 2016.02.21 @ 17:40:00

## 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: 69.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 600.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OCM 82% <i>m</i> , 11% <i>o</i> , 7% <i>g</i>	0.610
63.00	OCM 72% <i>m</i> , 23% <i>o</i> , 5% <i>g</i>	0.310
45.00	OCM 60% <i>m</i> , 38% <i>o</i> , 2% <i>g</i>	0.631

Total Length: 232.00 ft      Total Volume: 1.551 bbl

Num Fluid Samples: 0

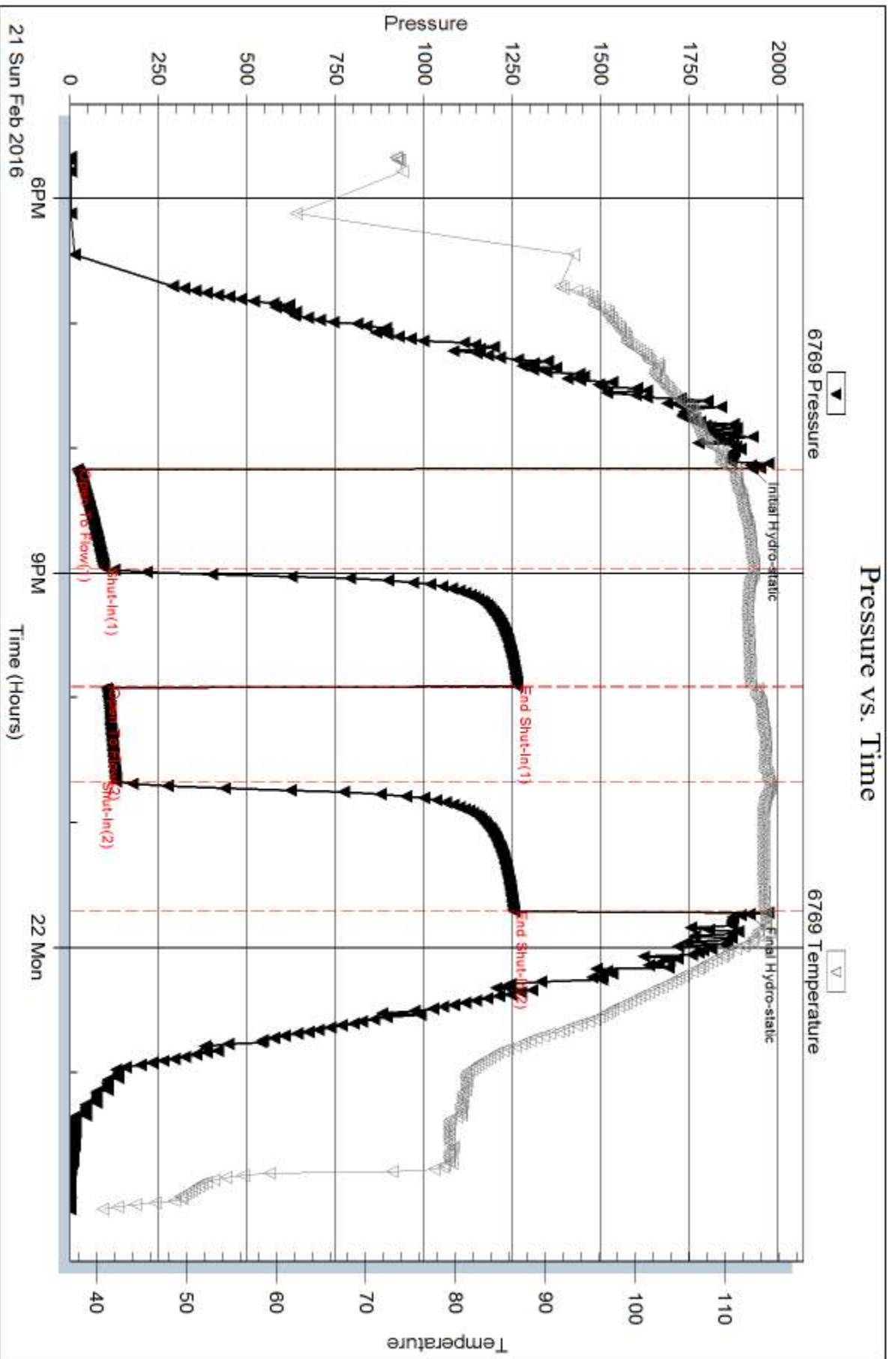
Num Gas Bombs: 0

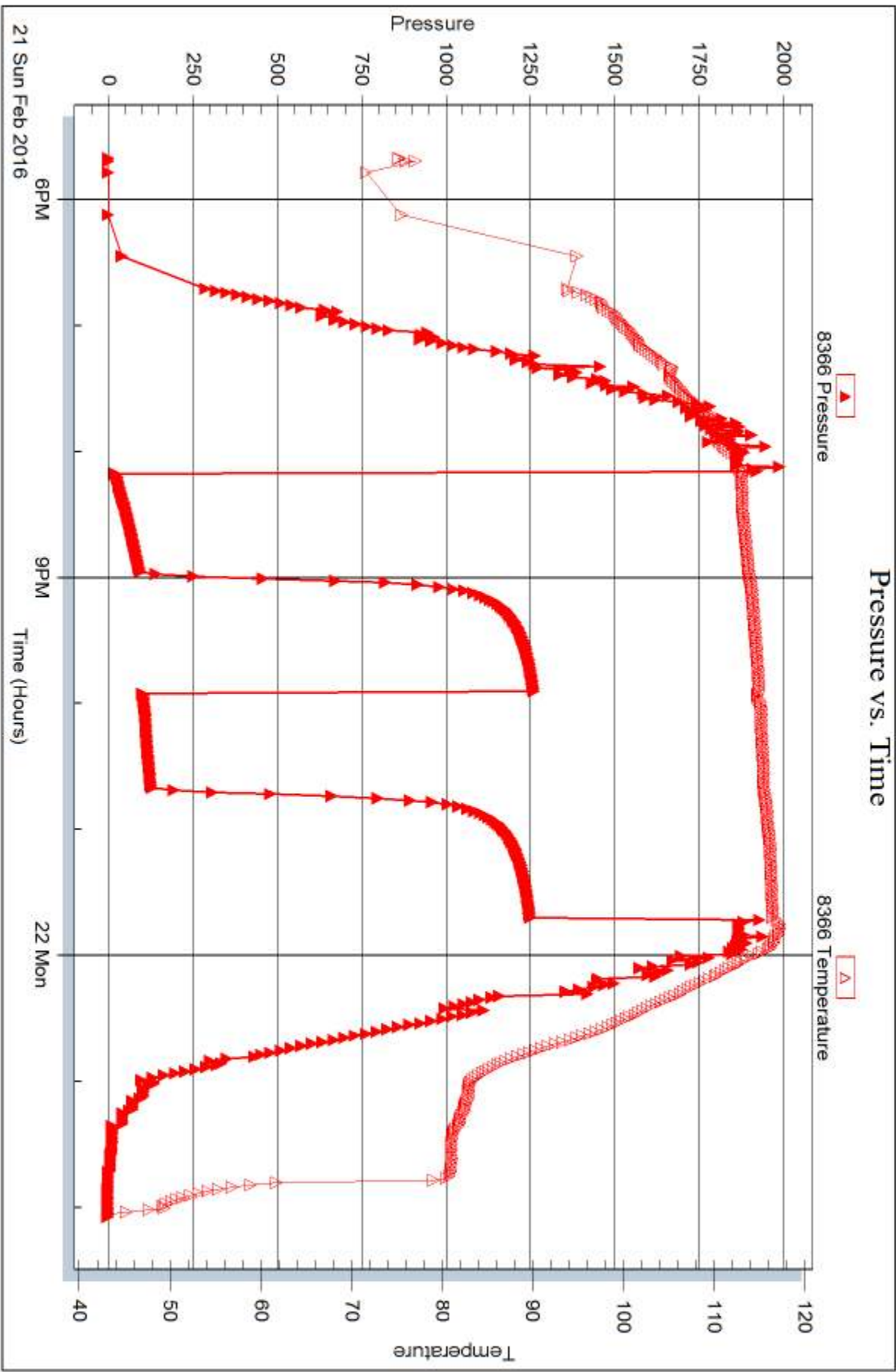
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Suemaaur Exploration & Prod. LLC**

802 N. Carancahua  
Corpus Christi, TX 78401

ATTN: Rocky Milford

**23-6-28w Sheridan,KS**

**Kuehn Family Trust #1-23**

Start Date: 2016.02.22 @ 13:30:00

End Date: 2016.02.22 @ 23:54:30

Job Ticket #: 65332                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.25 @ 14:07:19





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Suemaour Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

ATTN: Rocky Milford

Job Ticket: 65332

**DST#: 2**

Test Start: 2016.02.22 @ 13:30:00

## GENERAL INFORMATION:

Formation: **LKC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:39:45

Time Test Ended: 23:54:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 3942.00 ft (KB) To 3970.00 ft (KB) (TVD)**

Reference Elevations: 2712.00 ft (KB)

Total Depth: 3970.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6769**

**Inside**

Press@RunDepth: 526.21 psig @ 3943.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.22

End Date:

2016.02.22

Last Calib.:

2016.02.23

Start Time: 13:30:05

End Time:

23:54:30

Time On Btm:

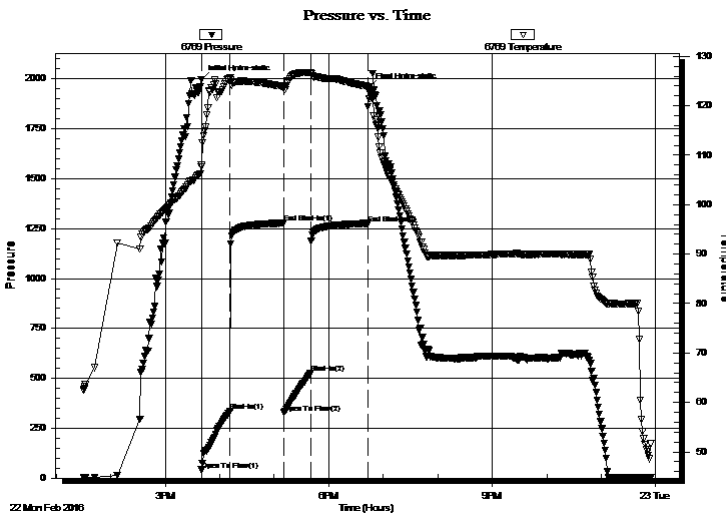
2016.02.22 @ 15:39:30

Time Off Btm:

2016.02.22 @ 18:44:00

**TEST COMMENT:** 30 - IF: Blow built to BOB at 4 3/4 min.  
60 - IS: Blow back built to just over 4"  
30 - FF: Blow built to BOB at 5 1/4 min.  
60 - FS: Blow back built to 2"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.51	107.67	Initial Hydro-static
1	41.52	107.98	Open To Flow (1)
32	335.04	125.76	Shut-In(1)
91	1277.89	123.86	End Shut-In(1)
92	327.47	123.51	Open To Flow (2)
121	526.21	126.75	Shut-In(2)
184	1275.66	123.91	End Shut-In(2)
185	1957.33	121.49	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
124.00	OWCM 61% <i>m</i> , 29% <i>w</i> , 6% <i>o</i> , 4% <i>g</i>	0.61
1035.00	Rev out samples at 2 min. intervals	13.94
0.00	2-12 min GMCO 75% <i>o</i> , 15% <i>g</i> , 10% <i>m</i>	0.00
0.00	14 min. MWCO 40% FO/10% OM, 32% <i>w</i> , 10.00 <i>n</i> , 8% <i>g</i>	
0.00	16-24 min. OMCW 52% <i>w</i> , 25% OMix, 21% <i>o</i> , 0.00% <i>g</i>	
41.00	SMCGO 86% <i>o</i> , 10% <i>g</i> , 4% <i>m</i>	0.58

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Suemaour Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

Job Ticket: 65332

**DST#: 2**

ATTN: Rocky Milford

Test Start: 2016.02.22 @ 13:30:00

## Tool Information

Drill Pipe:	Length: 3736.00 ft	Diameter: 3.80 inches	Volume: 52.41 bbl	Tool Weight: 2500.00 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: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3942.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3914.00	
Shut In Tool	5.00			3919.00	
Hydraulic tool	5.00			3924.00	
Jars	5.00			3929.00	
Safety Joint	3.00			3932.00	
Packer	5.00			3937.00	29.00 Bottom Of Top Packer
Packer	5.00			3942.00	
Stubb	1.00			3943.00	
Recorder	0.00	6769	Inside	3943.00	
Recorder	0.00	8366	Outside	3943.00	
Perforations	24.00			3967.00	
Bullnose	3.00			3970.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 57.00**



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Suemaaur Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

Job Ticket: 65332

**DST#: 2**

ATTN: Rocky Milford

Test Start: 2016.02.22 @ 13:30:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 5.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 800.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 28 deg API  
Water Salinity: 25500 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OWCM 61% <i>m</i> , 29% <i>w</i> , 6% <i>o</i> , 4% <i>g</i>	0.610
1035.00	Rev out samples at 2 min. intervals	13.944
0.00	2-12 min GMCO 75% <i>o</i> , 15% <i>g</i> , 10% <i>m</i>	0.000
0.00	14 min. MVCO 40% FO/10% OM, 32% <i>w</i> , 10% <i>o</i>	0.000
0.00	16-24 min. OMCW 52% <i>w</i> , 25% OMix, 21% <i>m</i> , 2%	0.000
41.00	SMCGO 86% <i>o</i> , 10% <i>g</i> , 4% <i>m</i>	0.575
0.00	GIP = 500'	0.000

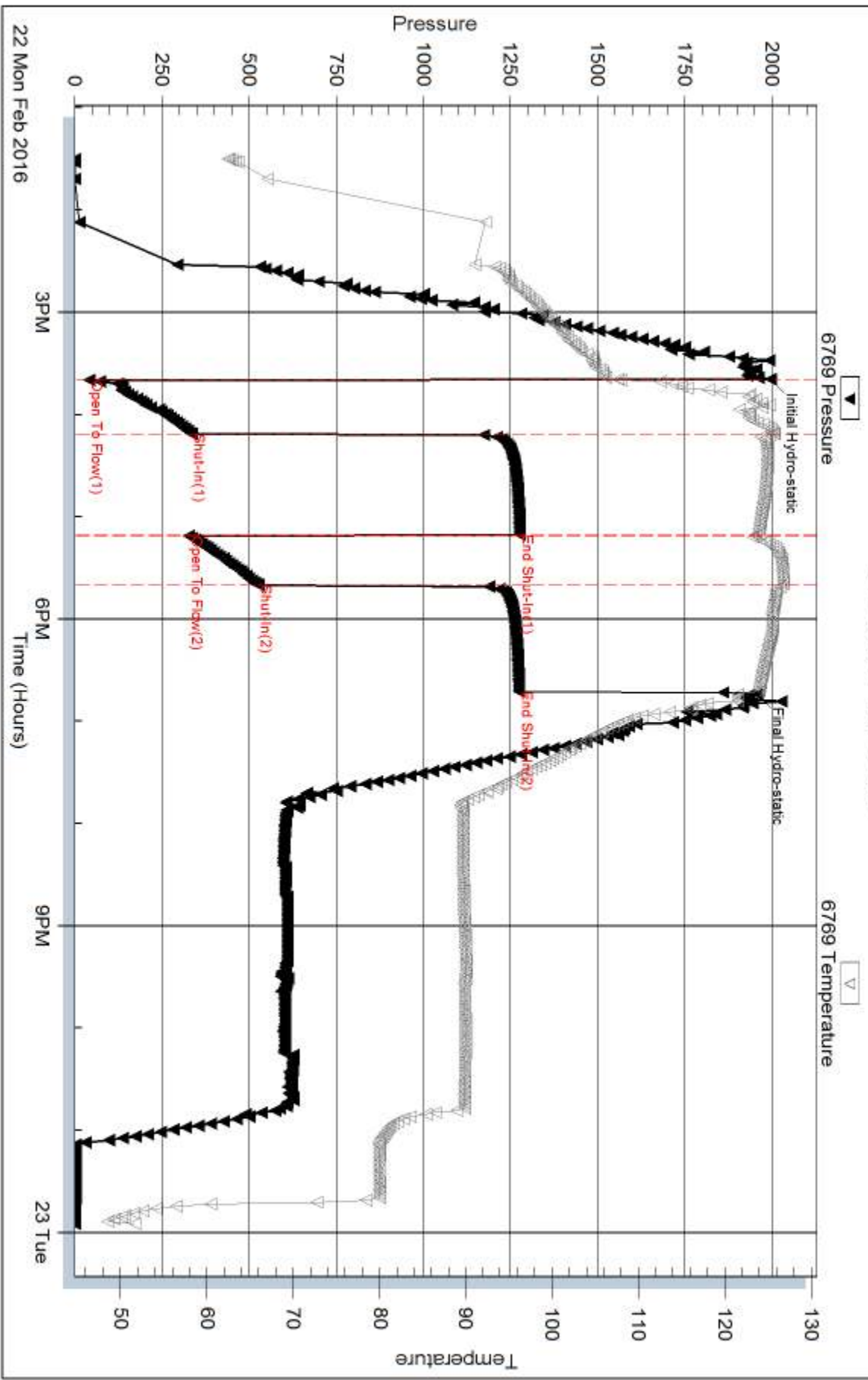
Total Length: 1200.00 ft Total Volume: 15.129 bbl

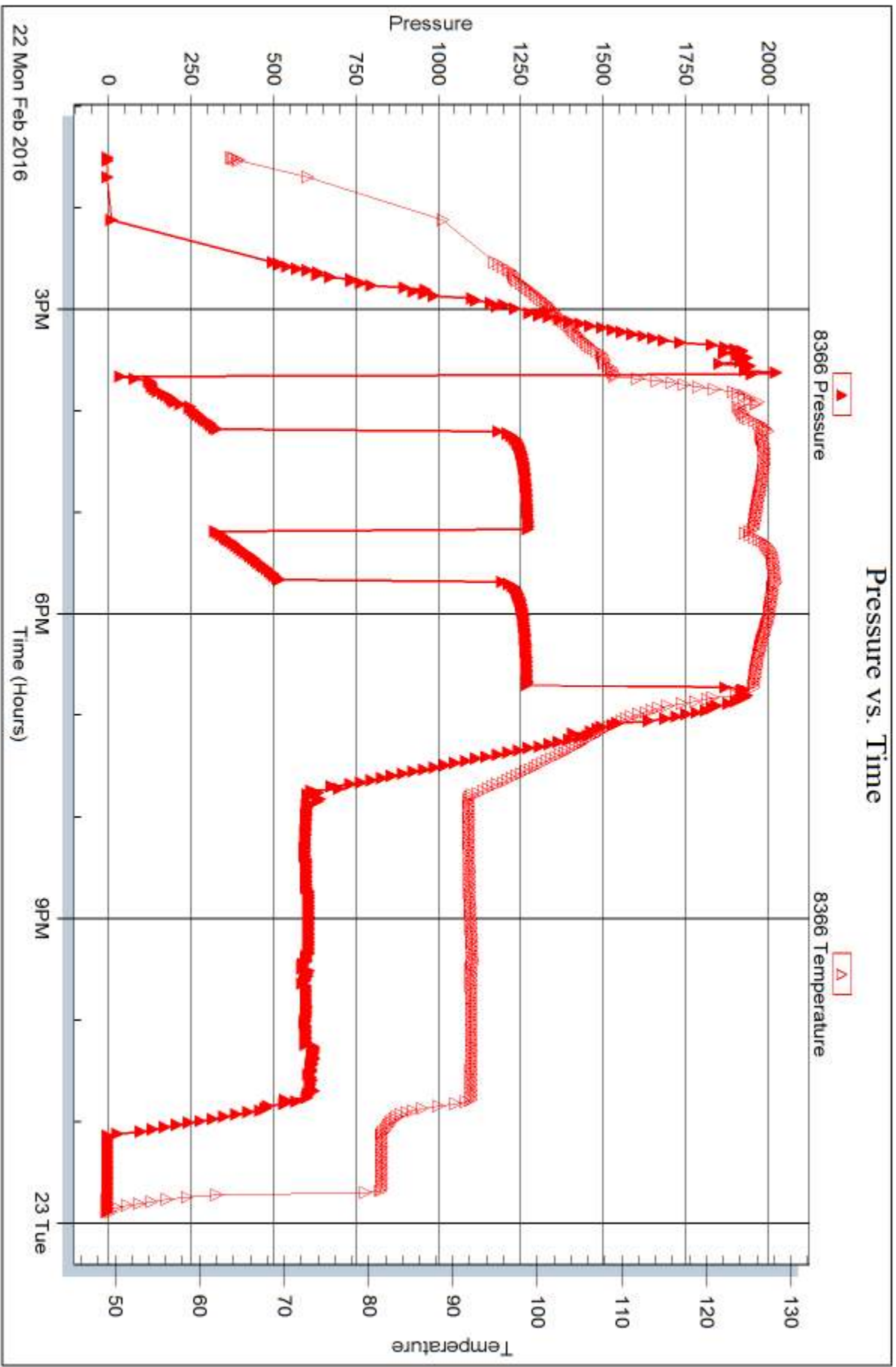
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 26.8 api @ 48 deg F Corrected Gravity = 28 api  
RW = .498 ohms @ 48 deg F Chlorides = 25,500 ppm  
14 min. and 16 - 24 min. Rev samples had congealed Oil Mixture (Oil, salt, gas)

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Suemaaur Exploration & Prod. LLC**

802 N. Carancahua  
Corpus Christi, TX 78401

ATTN: Rocky Milford

**23-6-28w Sheridan,KS**

**Kuehn Family Trust #1-23**

Start Date: 2016.02.23 @ 10:20:00

End Date: 2016.02.23 @ 17:40:30

Job Ticket #: 65333                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.02.25 @ 14:03:21



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Suemaour Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

ATTN: Rocky Milford

Job Ticket: 65333

**DST#: 3**

Test Start: 2016.02.23 @ 10:20:00

## GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:11:15

Time Test Ended: 17:40:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

**Interval: 4003.00 ft (KB) To 4036.00 ft (KB) (TVD)**

Reference Elevations: 2712.00 ft (KB)

Total Depth: 4036.00 ft (KB) (TVD)

2707.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8366 Outside**

Press@RunDepth: 19.09 psig @ 4004.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.23

End Date:

2016.02.23

Last Calib.:

2016.02.23

Start Time: 10:20:05

End Time:

17:40:29

Time On Btm:

2016.02.23 @ 12:11:00

Time Off Btm:

2016.02.23 @ 15:30:30

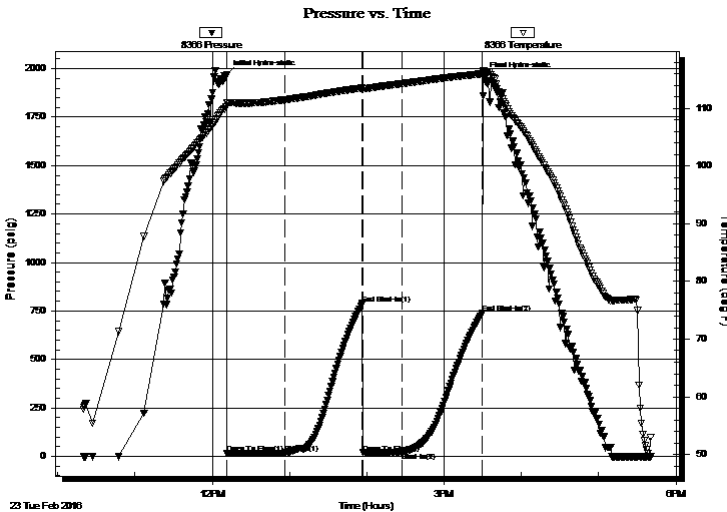
**TEST COMMENT:** 45 - IF: Intermittent blow at 1/8" for 10 min., died back to intermittent surface blow, dead at 40 min.

60 - ISI: No blow

30 - FF: No blow

60 - FSI: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1967.60	110.91	Initial Hydro-static
1	15.01	110.35	Open To Flow (1)
46	16.78	111.46	Shut-In(1)
106	788.23	113.53	End Shut-In(1)
106	17.29	113.34	Open To Flow (2)
136	19.09	114.25	Shut-In(2)
199	738.64	115.98	End Shut-In(2)
200	1957.69	116.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud w/oil spots 97%m, 3%o	0.02

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Suemaour Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

Job Ticket: 65333

**DST#: 3**

ATTN: Rocky Milford

Test Start: 2016.02.23 @ 10:20:00

## Tool Information

Drill Pipe:	Length: 3800.00 ft	Diameter: 3.80 inches	Volume: 53.30 bbl	Tool Weight: 2500.00 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: 187.00 ft	Diameter: 2.25 inches	Volume: 0.92 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 54.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4003.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3975.00	
Shut In Tool	5.00			3980.00	
Hydraulic tool	5.00			3985.00	
Jars	5.00			3990.00	
Safety Joint	3.00			3993.00	
Packer	5.00			3998.00	29.00 Bottom Of Top Packer
Packer	5.00			4003.00	
Stubb	1.00			4004.00	
Recorder	0.00	6769	Inside	4004.00	
Recorder	0.00	8366	Outside	4004.00	
Perforations	29.00			4033.00	
Bullnose	3.00			4036.00	33.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Suemaur Exploration & Prod. LLC

**Kuehn Family Trust #1-23**

802 N. Carancahua  
Corpus Christi, TX 78401

**23-6-28w Sheridan,KS**

Job Ticket: 65333

**DST#: 3**

ATTN: Rocky Milford

Test Start: 2016.02.23 @ 10:20:00

### 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
4.00	Mud w /oil spots 97%m, 3%o	0.020

Total Length: 4.00 ft      Total Volume: 0.020 bbl

Num Fluid Samples: 0

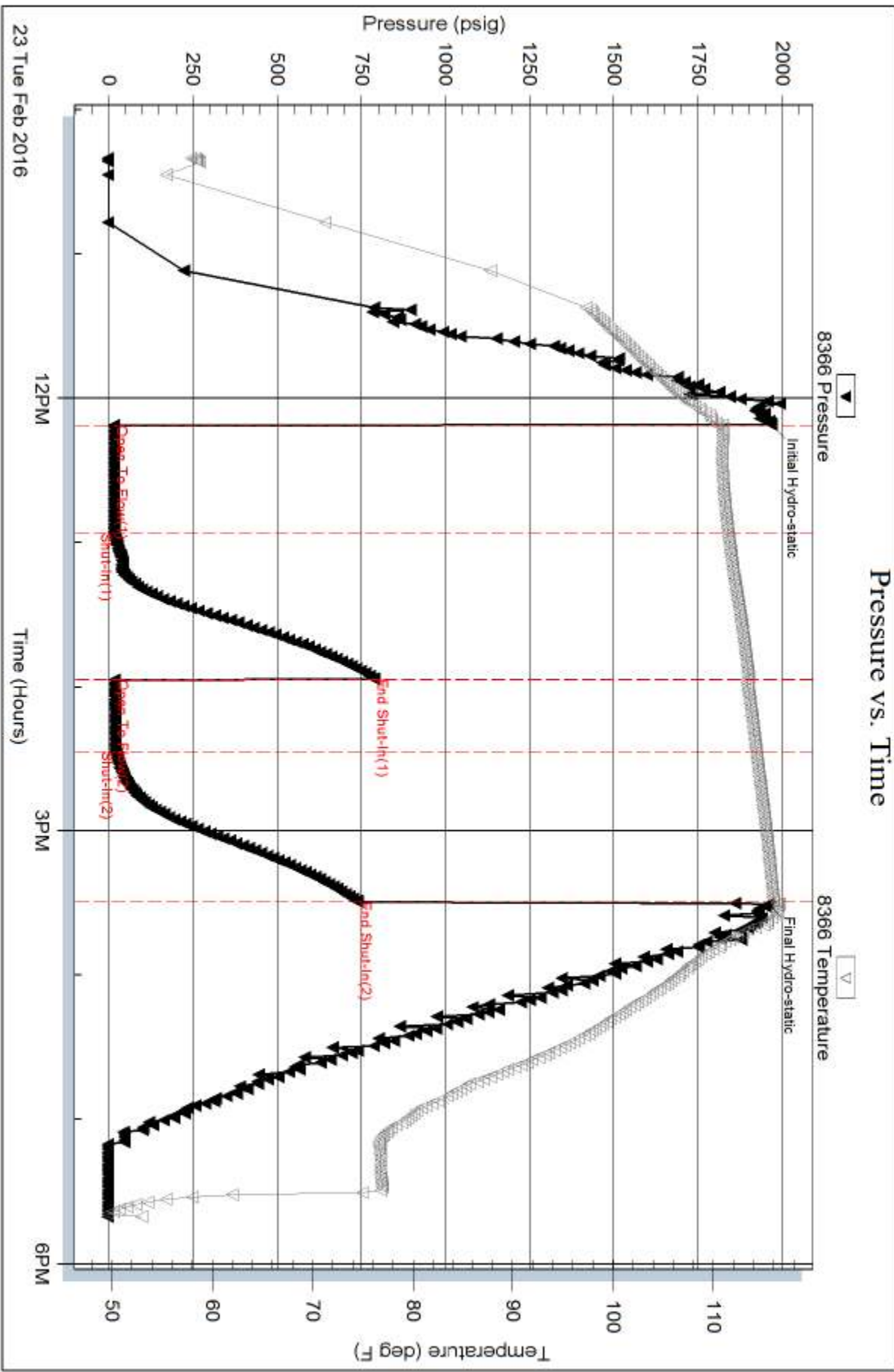
Num Gas Bombs: 0

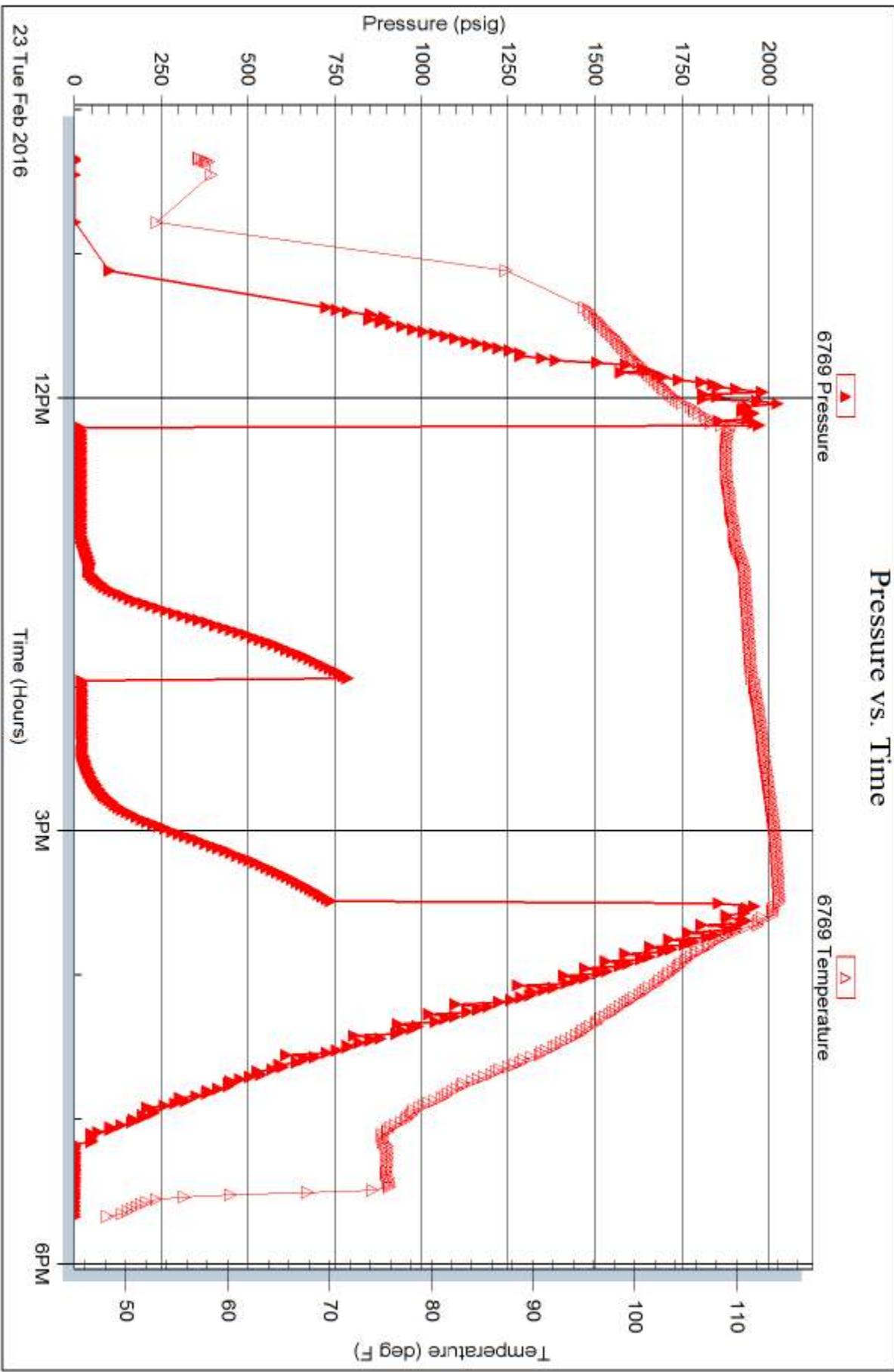
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65331**

Well Name & No. Kuehn Family Trust #1 Test No. 1 Date 2-21-16  
 Company Sueann Exploration & Production LLC Elevation 2712 KB 2707 GL  
 Address 802 N. Carancahua Corpus Christi TX 78401  
 Co. Rep / Geo. Rocky Milford Rig Murfin #7  
 Location: Sec. 23 Twp. 6S Rge. 28W Co. Sheridan State KS

Interval Tested 3825 - 3905 Zone Tested Toronto - LKC "C"  
 Anchor Length 80 Drill Pipe Run 3641 Mud Wt. 9.1  
 Top Packer Depth 3820 Drill Collars Run 187 Vis 69  
 Bottom Packer Depth 3825 Wt. Pipe Run - WL 5.2  
 Total Depth 3905 Chlorides 600 ppm System LCM 2

Blow Description IF: Blow built to 2" at 30 min. stayed at 2" till close  
ISI: No blowback  
FF: Blow built to 1 1/2"  
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>OCM</u>	<u>2</u>	<u>38</u>	<u>-</u>	<u>60</u>
<u>63</u>	<u>OCM</u>	<u>5</u>	<u>23</u>	<u>-</u>	<u>72</u>
<u>124</u>	<u>OCM</u>	<u>7</u>	<u>11</u>	<u>-</u>	<u>82</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 232 BHT 115 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1928  Test 1050 T-On Location 16:00 2/21  
 (B) First Initial Flow 21  Jars 250 T-Started 17:40  
 (C) First Final Flow 97  Safety Joint 75 T-Open 20:10  
 (D) Initial Shut-In 1265  Circ Sub \_\_\_\_\_ T-Pulled 23:42  
 (E) Second Initial Flow 103  Hourly Standby \_\_\_\_\_ T-Out 2:00 2/22  
 (F) Second Final Flow 130  Mileage 56RT 42  
 (G) Final Shut-In 1255  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1919  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 45  
 Initial Shut-In 60  
 Final Flow 45  
 Final Shut-In 60

Sub Total 1417

MP/DST Disc't \_\_\_\_\_

Approved By Rocky Milford Our Representative James Windes  
 Trilobite Testing Inc. shall not be liable for damaged or 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.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65332**

Well Name & No. Kuehn Family Trust #1 Test No. 2 Date 2-22-16  
 Company Suemaur Exploration & Production LLC Elevation 2712 KB 2707 GL  
 Address 802 N. Caranacahua Corpus Christi TX 78401  
 Co. Rep / Geo. Rocky Milford Rig Murfin #7  
 Location: Sec. 23 Twp. 6S Rge. 28W Co. Sheridan State KS

Interval Tested 3942 - 3970 Zone Tested LKC "G"  
 Anchor Length 28 Drill Pipe Run 3736 Mud Wt. 9.2  
 Top Packer Depth 3937 Drill Collars Run 187 Vis 55  
 Bottom Packer Depth 3942 Wt. Pipe Run - WL 5.6  
 Total Depth 3970 Chlorides 800 ppm System LCM 2

Blow Description IF: Blow built to BOB (11") at 4 3/4 min  
ISI: Blowback built to just over 4"  
FF: Blow built to BOB at 5 1/4 min.  
FBI: Blowback built to 2"

Rec <u>41</u>	Feet of <u>SMCGO</u>	<u>10</u> %gas	<u>86</u> %oil	<u>-</u> %water	<u>4</u> %mud
Rec <u>Rev Out @ 1035'</u>	Feet of <u>2min-12min GMCO</u>	<u>15</u> %gas	<u>75</u> %oil	<u>-</u> %water	<u>10</u> %mud
Rec <u>samples at 2min Intv for 24min</u>	Feet of <u>14min MWCO</u>	<u>8</u> %gas	<u>40 FO / 10 oil mix</u> %oil	<u>32</u> %water	<u>10</u> %mud
Rec <u>16-24min OMCW</u>		<u>2</u> %gas	<u>250 oil mix</u> %oil	<u>52</u> %water	<u>21</u> %mud
Rec <u>124</u>	Feet of <u>00WCM</u>	<u>4</u> %gas	<u>6</u> %oil	<u>29</u> %water	<u>61</u> %mud

Rec Total 1200 Fluid 500 GIP BHT 124 Gravity 28 API RW 498 @ 48 °F Chlorides 25,500 ppm

(A) Initial Hydrostatic 1997  Test 1050 T-On Location 12:50  
 (B) First Initial Flow 41  Jars 250 T-Started 13:30  
 (C) First Final Flow 335  Safety Joint 75 T-Open 15:39  
 (D) Initial Shut-In 1278  Circ Sub Dropped bar 50 T-Pulled 18:42  
 (E) Second Initial Flow 327  Hourly Standby 1h .25h 100 T-Out 23:50  
 (F) Second Final Flow 526  Mileage 56 RT 42  
 (G) Final Shut-In 1276  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1957  Straddle \_\_\_\_\_

Shale Packer \_\_\_\_\_  
 Ruined Shale Packer 20ppm  
 Extra Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1567  
 Sub Total 1567

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 60  
 Approved By Rocky Milford Our Representative James Winder  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **65333**

Well Name & No. Kuen Family Trust #1 Test No. 3 Date 2-23-16  
 Company Suemaier Exploration + Production LLC Elevation 2712 KB 2707 GL  
 Address 802 N. Carancahua Corpus Christi TX 78401  
 Co. Rep / Geo. Rocky Milford Rig Murfin #7  
 Location: Sec. 23 Twp. 6S Rge. 28W Co. Sheridan State KS

Interval Tested 4003 - 4036 Zone Tested LKC "J"  
 Anchor Length 33 Drill Pipe Run 3800 Mud Wt. 9.0  
 Top Packer Depth 3998 Drill Collars Run 187 Vis 60  
 Bottom Packer Depth 4003 Wt. Pipe Run - WL 5.2  
 Total Depth 4036 Chlorides 800 ppm System LCM 3  
 Blow Description IF: Intermittent blow at 1/8" for 10 min, died back to intermittent surface blow  
ISI: No blow dead at 40 min.  
FF: No blow  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>Mud w/oil spots</u>	<u>-</u>	<u>3</u>	<u>-</u>	<u>97</u>
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

Rec Total 4 BHT 116 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1968  Test 1150 T-On Location 9:30  
 (B) First Initial Flow 15  Jars 250 T-Started 10:20  
 (C) First Final Flow 17  Safety Joint 75 T-Open 12:11  
 (D) Initial Shut-In 788  Circ Sub \_\_\_\_\_ T-Pulled 15:29  
 (E) Second Initial Flow 17  Hourly Standby \_\_\_\_\_ T-Out 17:40  
 (F) Second Final Flow 19  Mileage 56RT x2 42+42 Comments \_\_\_\_\_  
 (G) Final Shut-In 739  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1958  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1559

Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1559  
 MP/DST Disc't \_\_\_\_\_

Approved By Rocky Milford Our Representative James Winder

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