

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## Summary of Changes

Lease Name and Number: Kuehn Family Trust 1-23

API/Permit #: 15-179-21415-00-00

Doc ID: 1312930

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	05/19/2016	07/28/2016
Date of First or Resumed Production or SWD or Enhr Producing Method Pumping	4/08/2016 No	7/13/2016 Yes
Production - Barrels of Water	400	385
Save Link	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1307149">../..kcc/detail/operatorEditDetail.cfm?docID=1307149</a>	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1312930">../..kcc/detail/operatorEditDetail.cfm?docID=1312930</a>



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1307149  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed

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# CONFIDENTIAL WELL COMPLETION FORM

## WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

### Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

### KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

# Robert L. Milford

PERIOLITH GEOLOGIST  
Wichita, Kansas

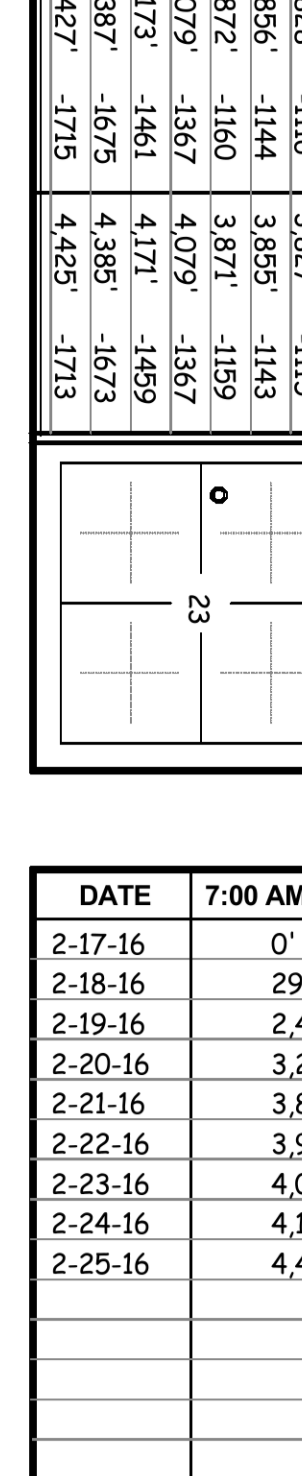
## GEOLOGISTS' REPORT

DRILLING TIME AND SAMPLE LOGS  
OPERATOR: **Suenmur Exp. & Prod. LLC**  
LEASE: **Kuehni Family Trust #1-23**  
LOC. SPOT: **6 'N & 78' W of S2 SW NW**

LOC FOOTAGE: **2,304' FNL 582' FWL**  
SEC. **23** TWPSE **65** RANG **28W**  
COUNTY **Sheridan** STATE **Kansas**

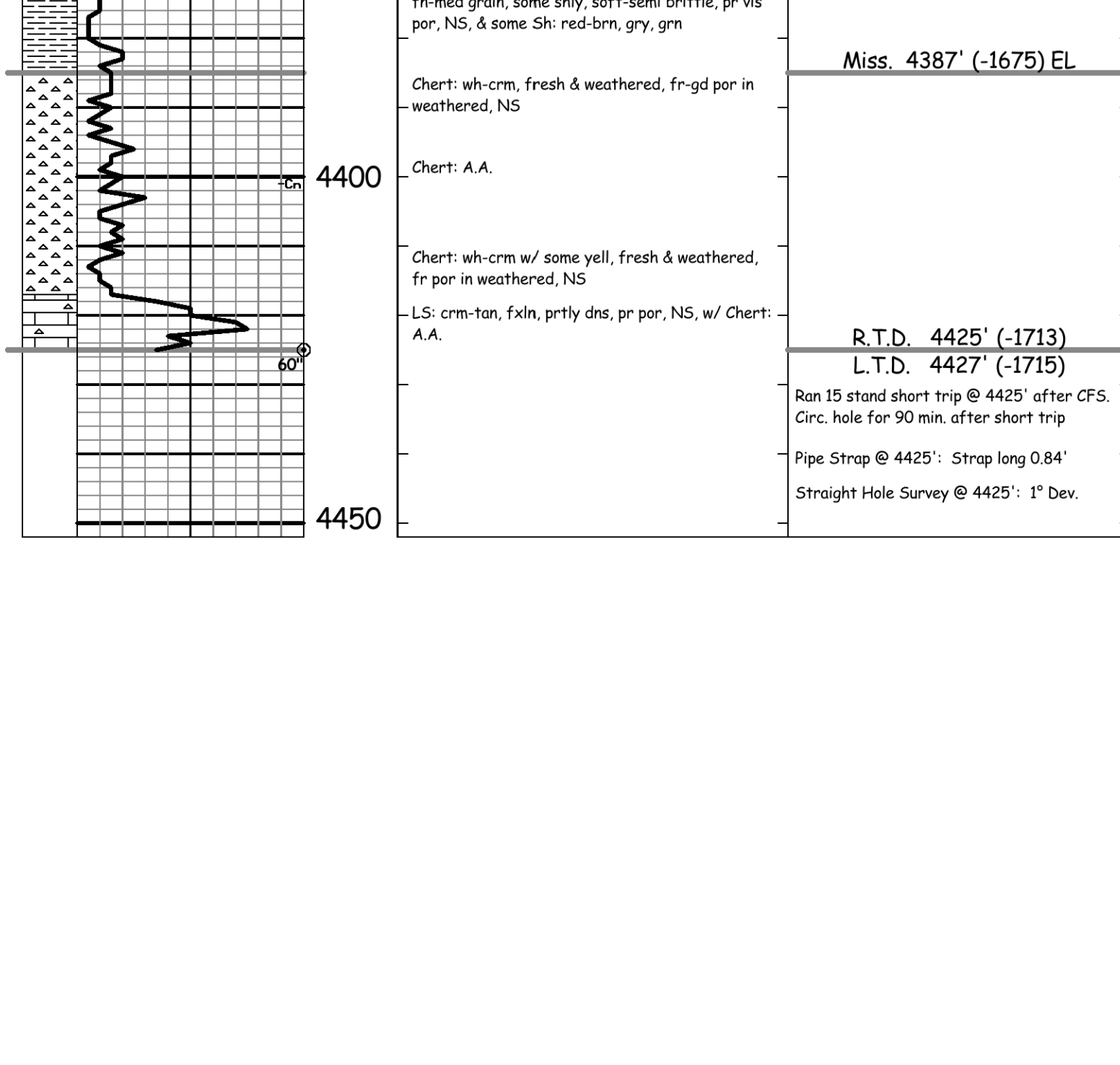
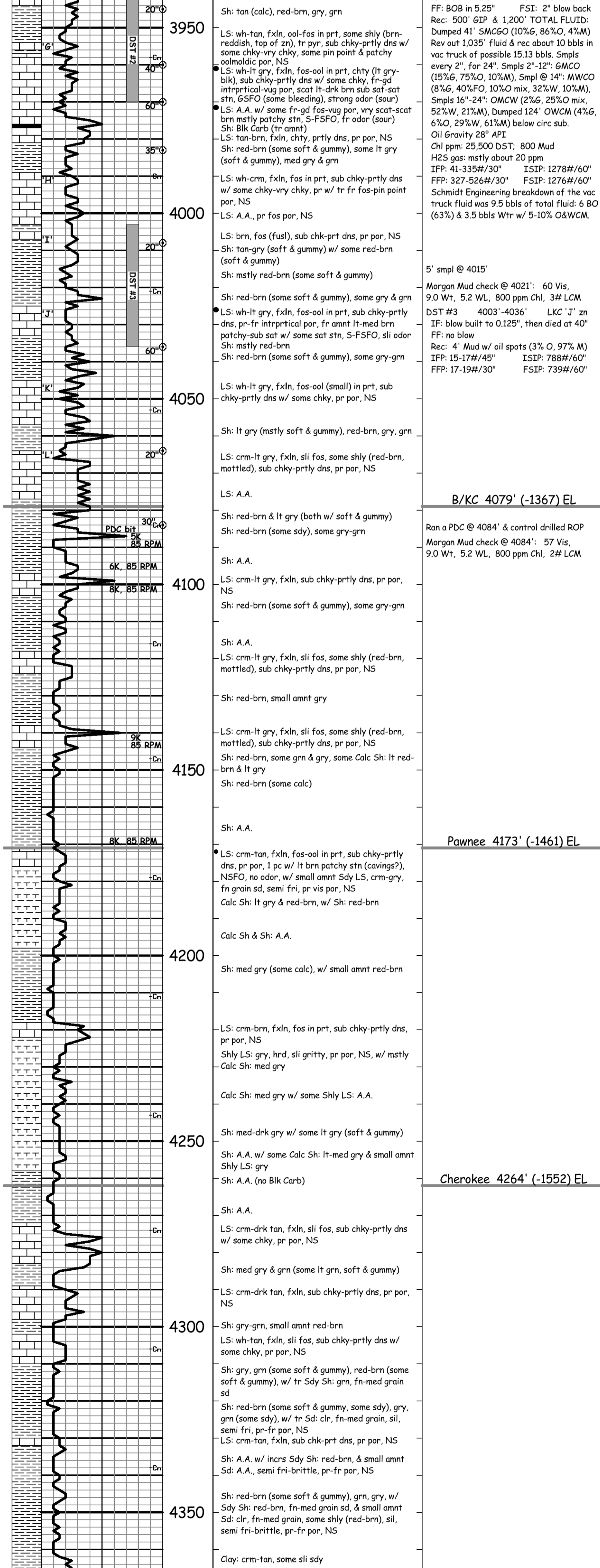
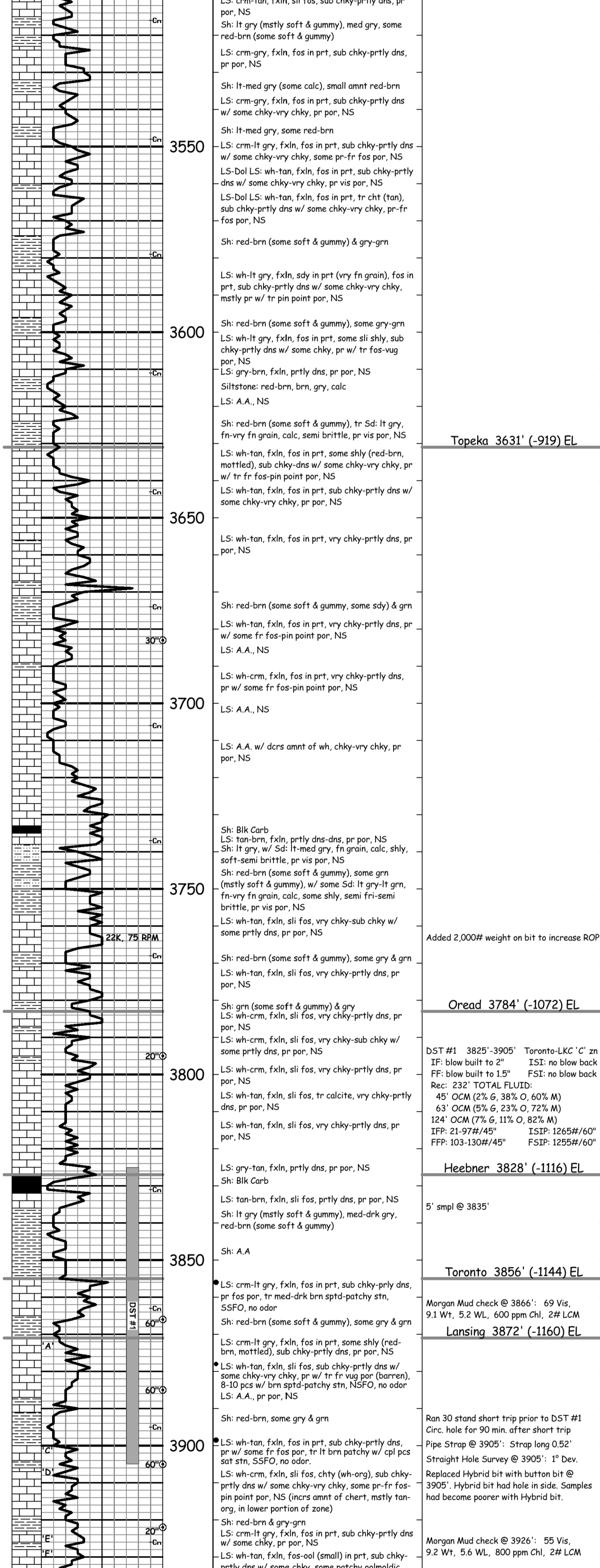
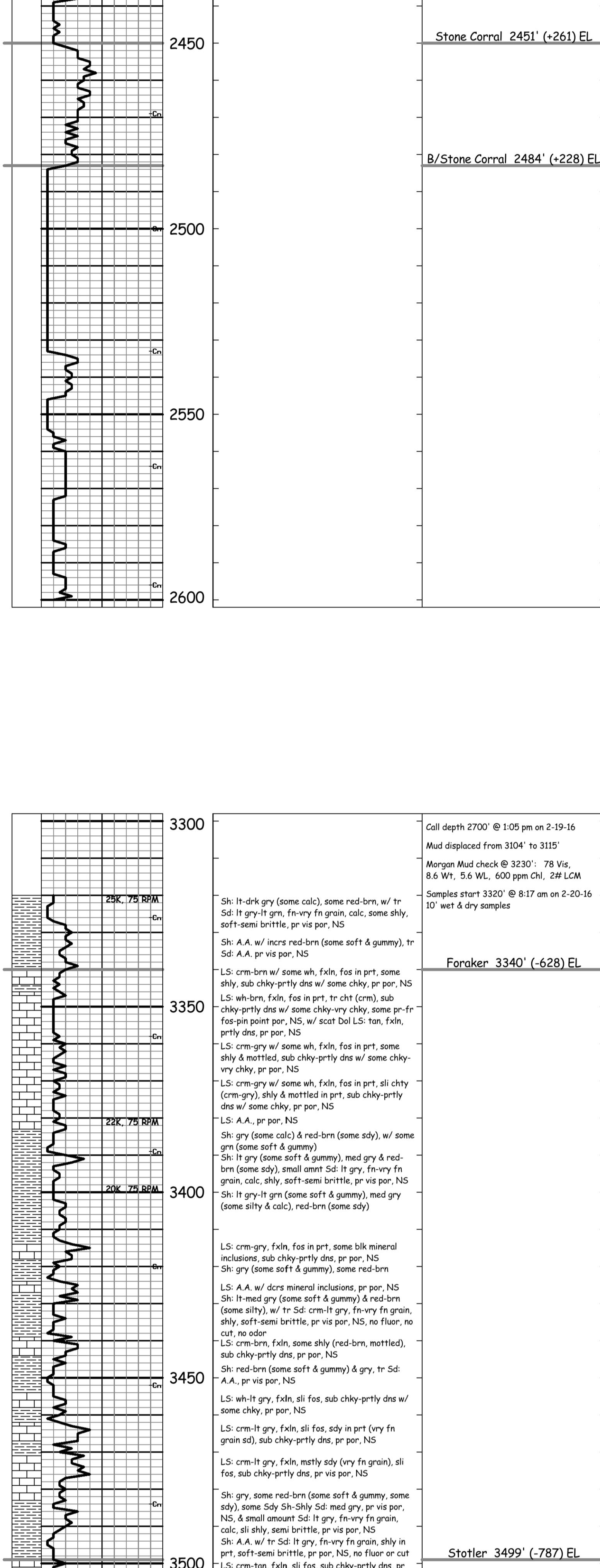
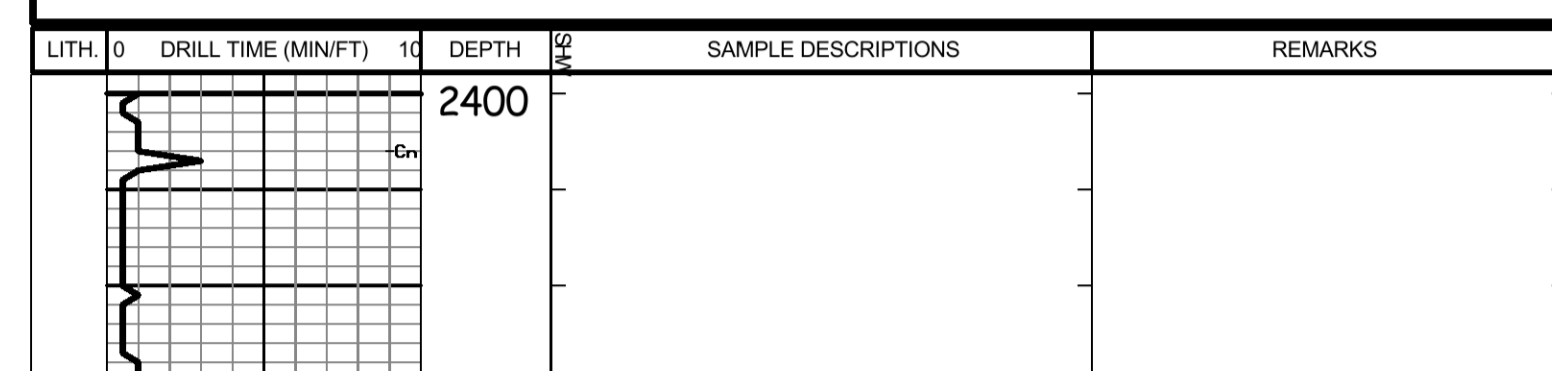
DATE **15-179-2145-00-00**  
DRILLER **Murfin Drilling Co., Inc.** RIG NO. **7**  
CONTRACT **21722018** COMPLETED **2-24-2016**  
MUD DISPLAYED **3.0/4** MUD TYPE **Chemical**  
DRILLING TIME (HEFT FROM) **3:30:20** TO **RTD**  
SAMPLES SAVED FROM **3:30:20** TO **RTD**  
SAMPLES EXAMINED FROM **3:30:20** TO **RTD**  
GEOLOGICAL SUPERVISION FROM **3:30:20** TO **RTD**

FORMATION NAME	LOGS	TOP DATUM	SAMPLE DATUM
Stone Corral	2,491'	+261	2,450' +262
Stotler	3,631'	-787	3,631' -787
Topoka	3,631'	-919	3,631' -919
Heebner	3,888'	-116	3,827' -115
Lansing	3,886'	-144	3,895' -1143
Foraker	3,872'	-160	3,871' -1159
B/KC	4,079'	-167	4,079' -1367
Pawnee	4,173'	-1461	4,171' -1459
Mississippi	4,387'	-1675	4,385' -1673
Total Depth	4,427'	-1715	4,425' -1713



DATE	7:00 AM DEPTH	REMARKS
2-17-16	0'	Spud @ 5:30 pm. Plug down @ 10:00 pm. Drilled out plug @ 6:00 am on 2-18 w/ Hybrid bit
2-18-16	290'	Cut 290' in last 24 hrs. Dev.: 1° @ 1519'
2-19-16	2,470'	Cut 2,180' in last 24 hrs; 22.75 hrs drlg. Dev.: 0.5° @ 2520'
2-20-16	3,230'	Cut 760' in last 24 hrs; 22.5 hrs drlg.
2-21-16	3,866'	Cut 59' in last 24 hrs; 22.25 hrs drlg. DST #1 @ 3905'
2-22-16	3,925'	Cut 59' in last 24 hrs; 2.5 hrs drlg. DST #2 @ 3970'
2-23-16	4,022'	Cut 97' in last 24 hrs; 4.5 hrs drlg. DST #3 @ 4036'. Bit trip @ 4084' (changed to PDC)
2-24-16	4,122'	Cut 100' in last 24 hrs; 4.5 hrs drlg. RTD 4425' @ 4:05 pm. Ran electric logs.
2-25-16	4,425'	Cut 303' in last 24 hrs; 8.75 hrs drlg. Ran production casing

**Remarks**  
Murfin Drilling used, for the first time, a Baker Hughes Hybrid bit, type HP624. This bit combines 2 roller cones and 4 PDC blades. It was used to drill the 7.875" hole from base of surface casing to 3905'. Bit had a hole on its side when it was pulled.  
The electric log measurements correlate from even to 2' lower to the drilling measurements.  
Formation tops and lithology on this report have been corrected to the electric log.  
The drilling samples were deposited at the Kansas Geological Survey office in Wichita.  
Respectfully submitted,  
Robert L. Milford





# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067554

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

DATE 2/25/16 SEC 23 TWP. 6 RANGE 28 CALLED OUT 8:45 AM ON LOCATION OK JOB START 11:00 AM JOB FINISH 1:00 PM  
 LEASE Koch Family Trust WELL # 123 LOCATION Horie 11 W Ad 110 1E 1/2 W COUNTY Sheridan STATE KS  
 OLD OR NEW (Circle one) NEW Entry

CONTRACTOR Alan Fin 7 OWNER Same  
 TYPE OF JOB Prok. 2 Stage  
 HOLE SIZE 9 1/8" ID T.D. \_\_\_\_\_  
 CASING SIZE 5 1/2" DEPTH 4427  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL OV 7001 DEPTH 2450  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 4 1/2"  
 CEMENT LEFT IN CSG. 4 1/2"  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT both 4646.0 59 mud  
 EQUIPMENT top 58 1/2 H2O  
 PUMP TRUCK CEMENTER Alan Ryan  
 HELPER Kevin W. Kelly  
 BULK TRUCK # 818 DRIVER Scott Callaway  
 BULK TRUCK # 891 DRIVER Terry Heinrich

CEMENT	AMOUNT ORDERED	PRICE	TOTAL
150 ASC	1070.50	5.00	5352.50
470 SIK	670.00	1.20	804.00
2000L WFA II	2000.00	0.25	500.00
6019-CE1330	113.16	23.10	2610.30
Gilsonite	250.16	0.98	245.16
PLO Seal	235.16	2.22	522.00
Suff	2000L	41.00	820.00
WFA II	2000L	25.00	500.00
TOTAL			18,307.15
DISCOUNT 50%			9,153.58

REMARKS:  
 20 ABL 20 ABL  
 Pump WFA II, Plog Equip, Pump 1500L H2O, Mix 150 SIK ASC  
 Wash Truck Displace 4646.0 H2O - 59 ABL Rig Mud  
 w/ 800 PSI Lift Land Plug 2200 Plog Tool - 800 PSI  
 C/A concrete 3 hrs. Mix 2000L H2O 30 SIK H2O. Mix 400  
 SIK Down 1/2, Wash Truck, Displace w/ 800 PSI  
 Had w/ 800 PSI Lift Land Plug @ 2700 PSI  
 Tool Cased. Cement did Concrete.

SERVICE	AMOUNT	PRICE	TOTAL
HANDLING	716.25	CF @ 2	1432.50
MILEAGE	30.168	700	21126.40
DEPTH OF JOB	4427		
PUMP TRUCK CHARGE	2765.25		2765.25
EXTRA FOOTAGE	2406.85		2406.85
HV MILEAGE	40	@ 2.20	88.00
LV MILEAGE	40	@ 4.00	160.00
Stand by Pump	5000.00		5000.00
TOTAL			16,025.73
DISCOUNT 50%			8012.86

CHARGE TO Sherman  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT	AMOUNT	PRICE	TOTAL
Thread Locks	2	85.00	170.00
OV Tool	1	5335.00	5335.00
Afushoe	1	545.00	545.00
Catchdown	1	660.00	660.00
Bracket	3	395.00	1185.00
Centralizers	44	57.00	2508.00
TOTAL			10,403.00
DISCOUNT 50%			5201.50

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
 SIGNATURE JAC

SALES TAX (If Any)	
TOTAL CHARGES	44,735.88
DISCOUNT	22,367.94 (50%)
NET TOTAL	22,367.94

Bid





## 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

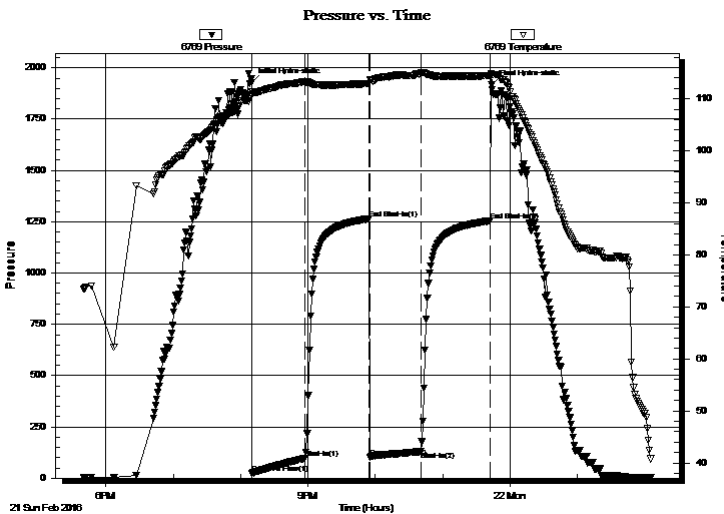
**TEST COMMENT:** 45 - IF: Blow built to 2" at 30 min., stayed at 2" till close

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**

Suemauro 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:

bbbl

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 bbbl
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

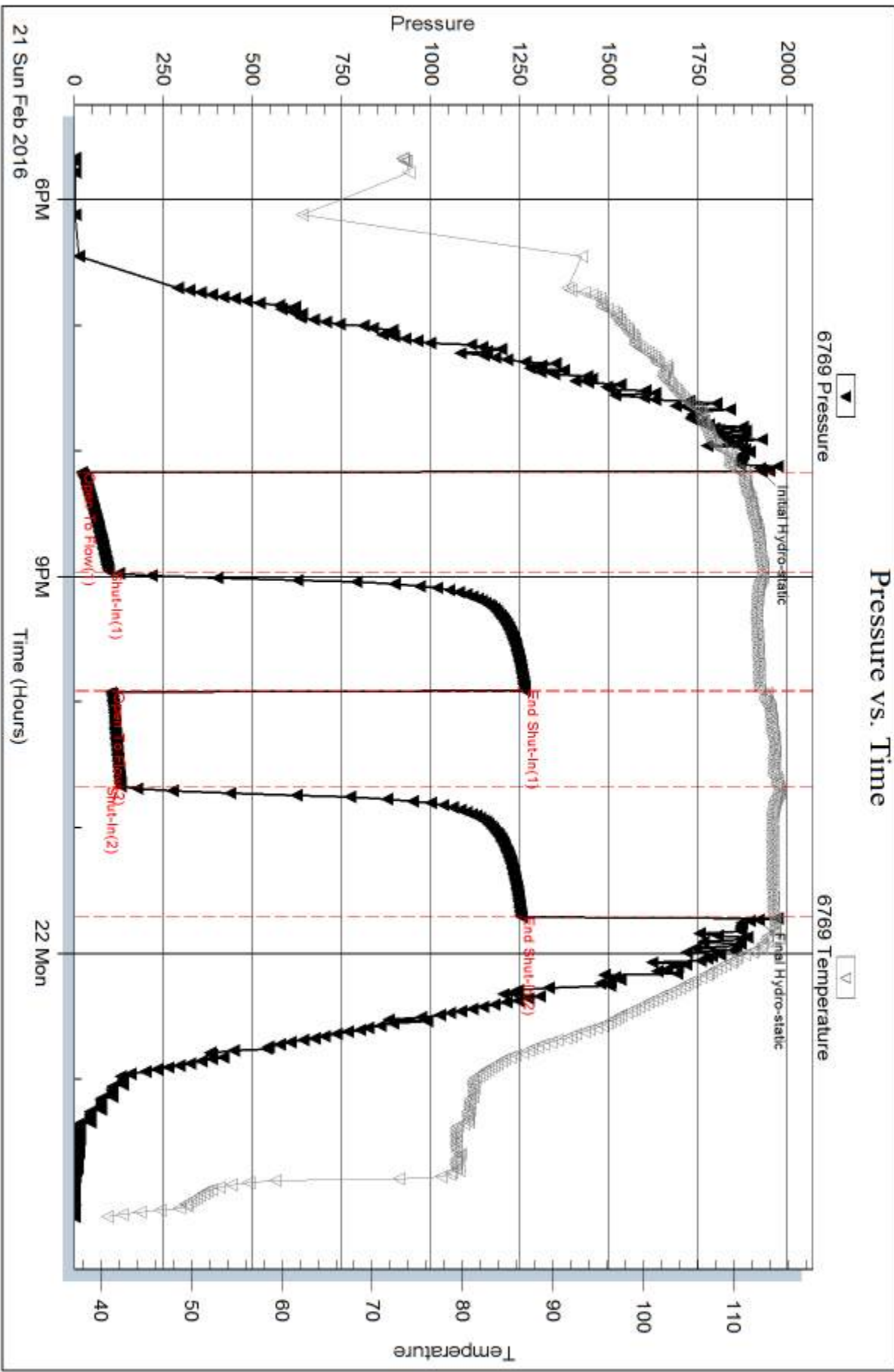
Num Gas Bombs: 0

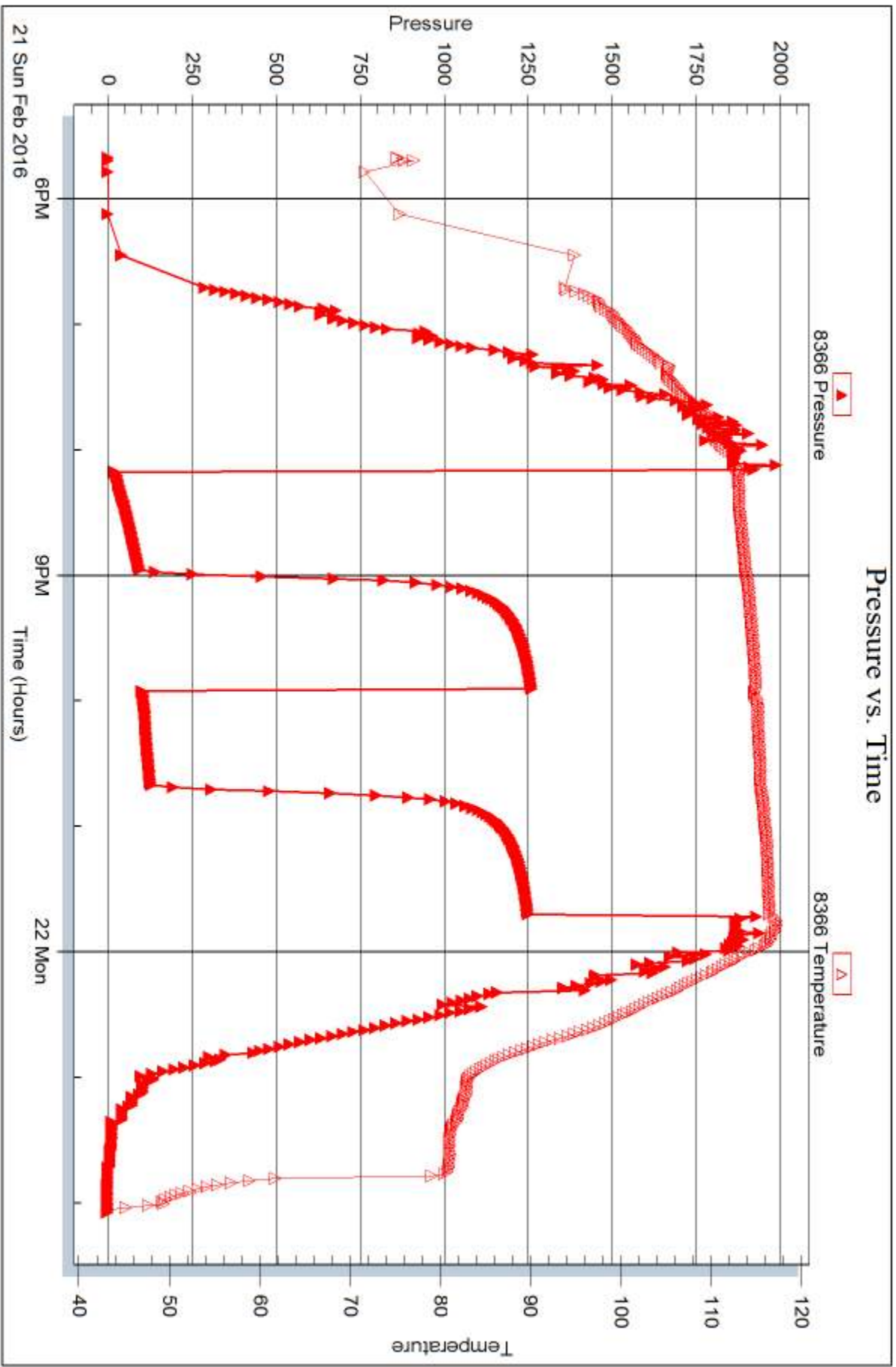
Serial #:

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

Suema 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  
 Interval: **3942.00 ft (KB) To 3970.00 ft (KB) (TVD)**  
 Total Depth: 3970.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder  
 Unit No: 83  
 Reference Elevations: 2712.00 ft (KB)  
 2707.00 ft (CF)  
 KB to GR/CF: 5.00 ft

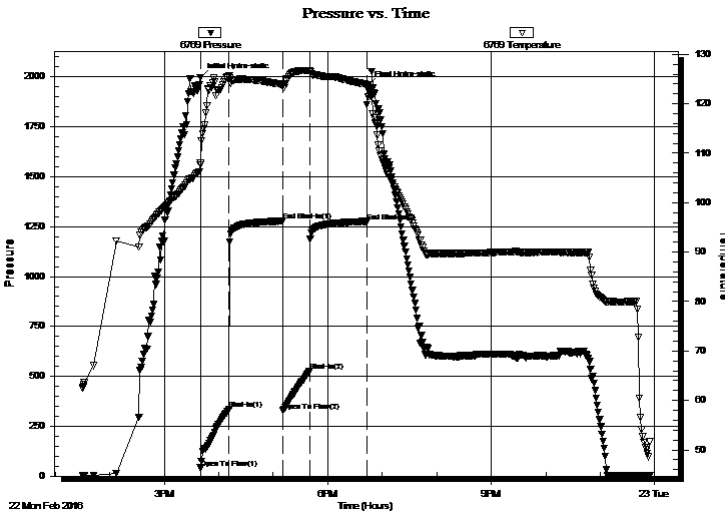
## Serial #: 6769

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

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

\* 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: 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**



**TRILOBITE  
TESTING, INC**

# 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

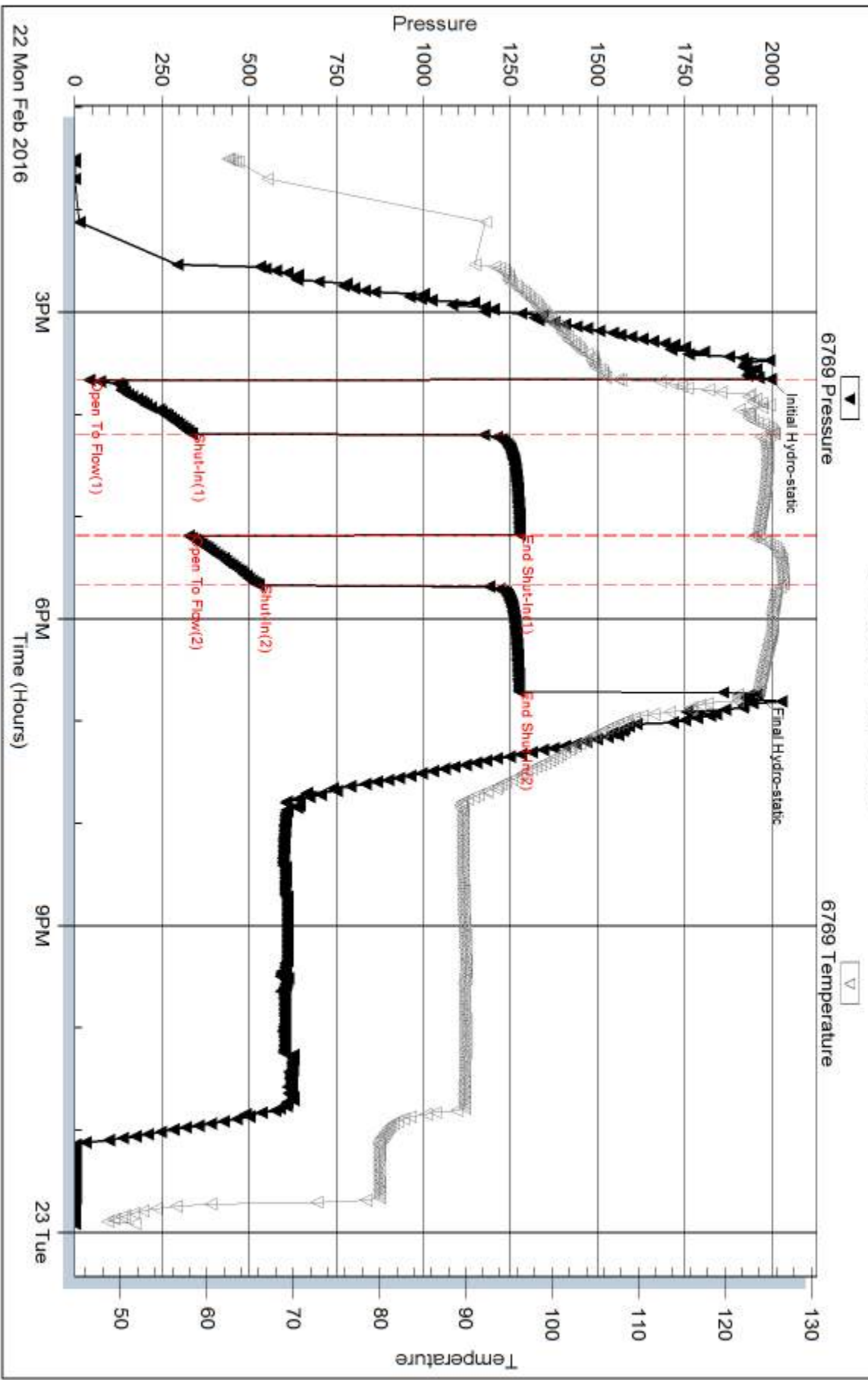
Total Length: 1200.00 ft Total Volume: 15.129 bbl

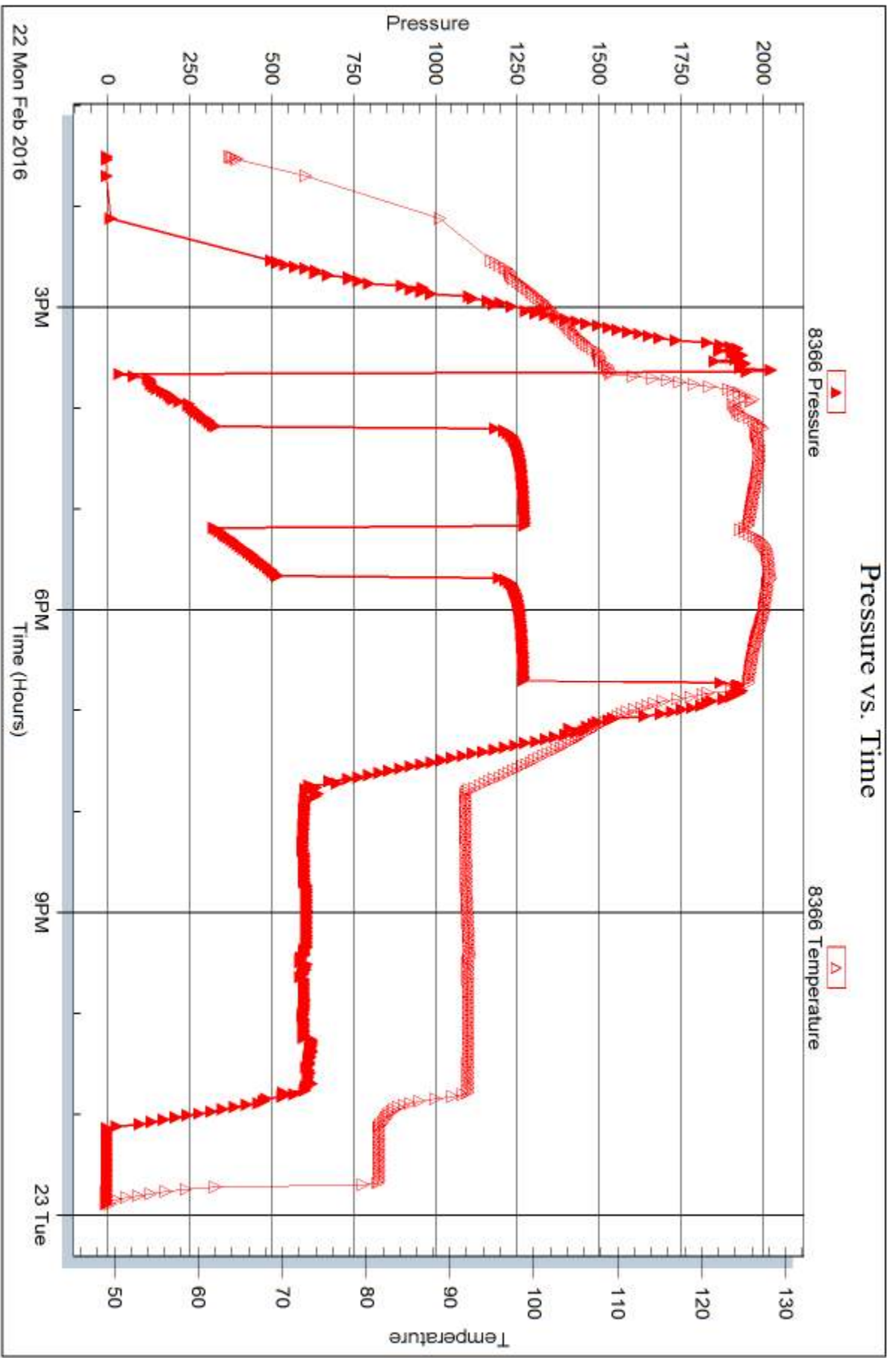
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

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: **Suemaun 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

Suemaur 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:

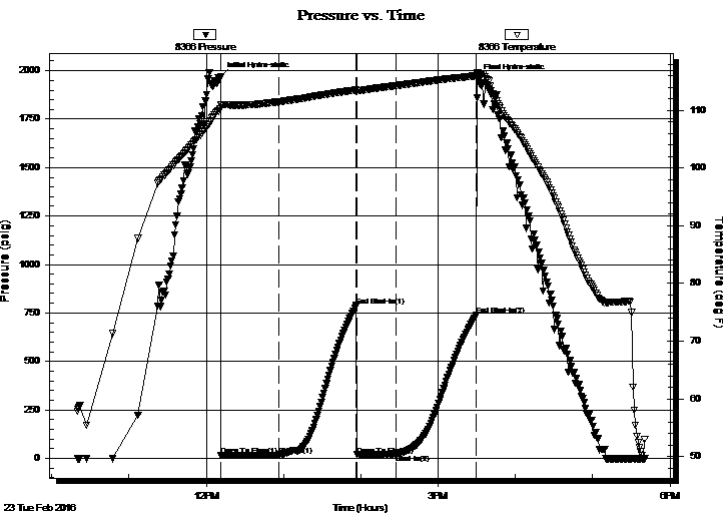
2016.02.23 @ 15:30:30

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

60 - IS: No blow

30 - FF: No blow

60 - FS: 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**

Suemaaur 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

Suemaaur 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% <sub>m</sub> , 3% <sub>o</sub>	0.020

Total Length: 4.00 ft      Total Volume: 0.020 bbl

Num Fluid Samples: 0

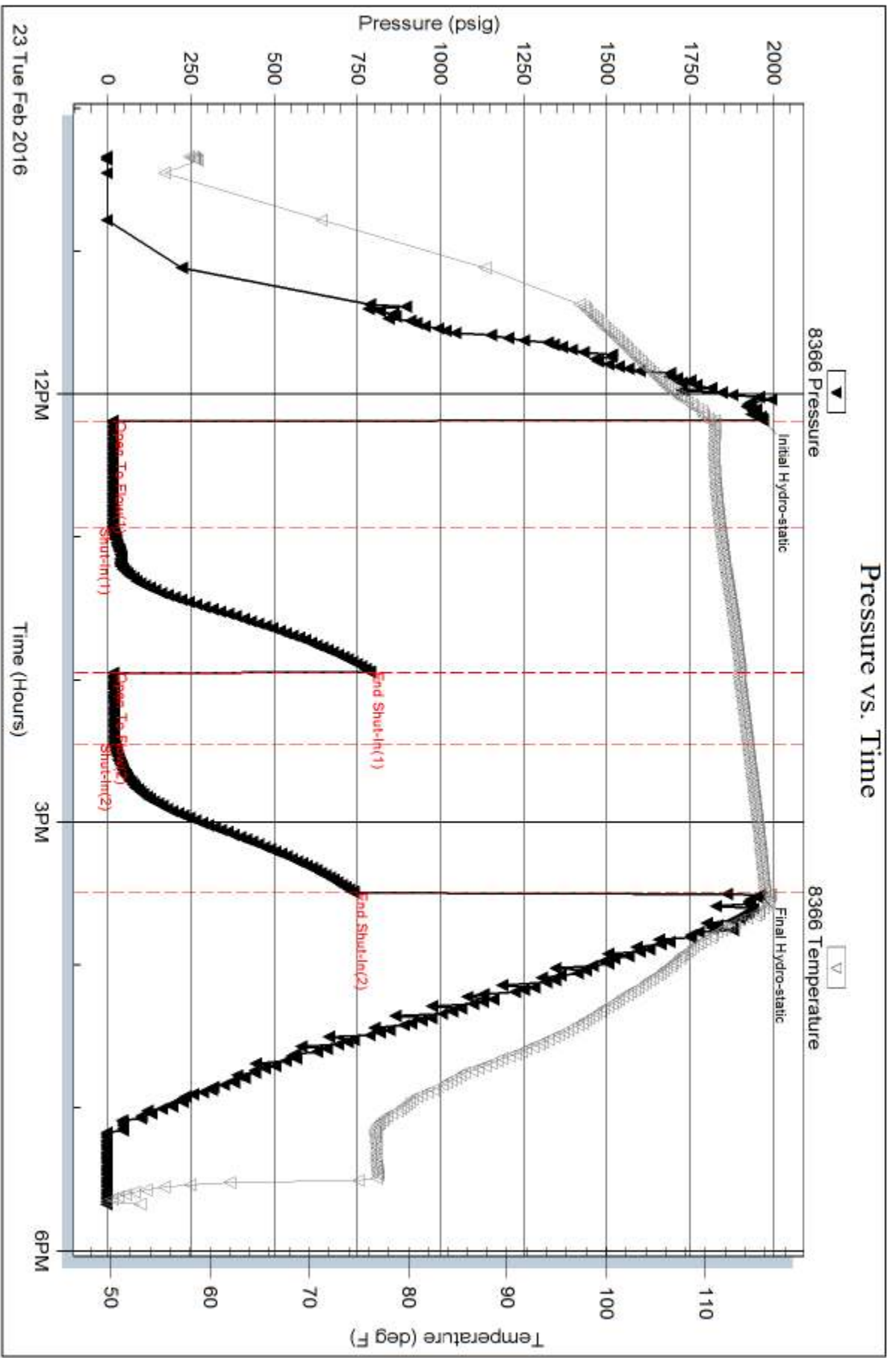
Num Gas Bombs: 0

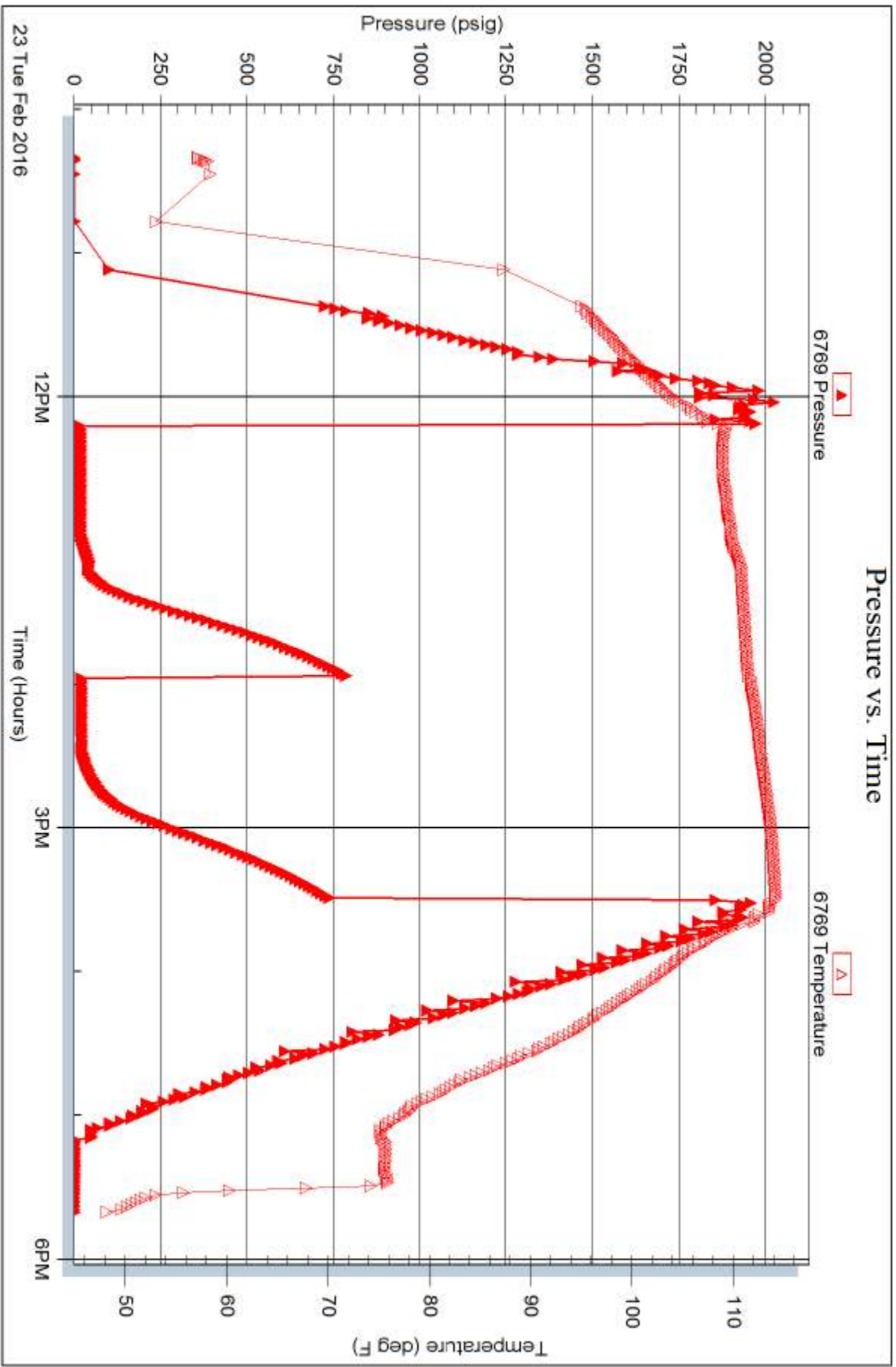
Serial #:

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 30min. 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>0cm</u>	<u>2</u>	<u>38</u>	<u>-</u>	<u>60</u>
<u>63</u>	<u>0cm</u>	<u>5</u>	<u>23</u>	<u>-</u>	<u>72</u>
<u>124</u>	<u>0cm</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 \_\_\_\_\_

Initial Open 45  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1417  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1417

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.  
FSI: 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 @ 10:35</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</u> %oil mix	<u>32</u> %water	<u>10</u> %mud
Rec <u>16-24min OMCW</u>		<u>2</u> %gas	<u>250</u> oil mix %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  
 Ruined Packer \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 60  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1567  
 Sub Total 1567  
 Comments wanted on vac truck to Rev out / oil mix in samples (oil, salt, gas) Hg S - mostly about 20ppm  
 MP/DST Disc't \_\_\_\_\_

Approved By Rocky Milford Our Representative James Winder  
 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. **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 \_\_\_\_\_  
 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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