

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 Recompletion Date \_\_\_\_\_ 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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**JAMES C. MUSGROVE**

Petroleum Geologist, LLC  
212 Main Street  
P.O. Box 215  
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 786-0839

Mai Oil Operations Inc.  
Urbanek Trust #2  
NW-SE-NE-SE (1775' FSL & 544' FEL)  
Section 15-16s-10w  
Ellsworth County, Kansas

Page 1

**5 1/2 Production Casing Set**

**Contractor:** Southwind Drilling Co. (rig #3)  
**Commenced:** April 27, 2018  
**Completed:** May 3, 2018  
**Elevation:** 1902' K.B., 1900' D.F., 1894' G.L.  
**Casing program:** Surface; 8 5/8" @ 662'  
Production, 5 1/2" @ 3480'  
**Sample:** Samples saved and examined 2800' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2800' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Drill Stem Tests:** There were one (1) Drill Stem Tests ran by Trilobite Testing Co.  
**Electric Log:** By Eli, Dual Induction; Compensated Density/Neutron Log and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	668	+1234
Base Anhydrite	693	+1209
Heebner	2921	-1019
Toronto	2940	-1038
Douglas	2951	-1049
Brown Lime	3023	-1121
Lansing	3041	-1139
Base Kansas City	3316	-1414
Conglomerate	3343	-1441
1 <sup>st</sup> Simpson Sand	3390	-1488
2 <sup>nd</sup> Simpson Sand	3400	-1498
Arbuckle	3423	-1521
Rotary Total Depth	3480	-1578
Log Total Depth	3483	-1581

(All tops and zone(s) corrected to Electric Log Measurements)

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**



### TOPEKA SECTION

- 2849-2860' Limestone, gray, tan, finely crystalline, poor visible porosity; chalky in part; no show.
- 2860-2890' Limestone, as above; plus abundant chert, gray; boney; no shows.
- 2896-2900' Limestone, tan, buff, fossiliferous, chalky; poorly developed porosity, light brown stain, no show of free oil; trace white gray chert.
- 3220-3228' Limestone, tan, buff, finely crystalline, slightly chalky; poor visible porosity, no shows.

### TORONTO SECTION

- 2940-2950' Limestone, tan, white, chalky, scattered pinpoint to vuggy type porosity; trace black stain; show of free oil (heavy, tarry) black; and no odor; trace iron pyrite.

### LANSING SECTION

- 3040-3044' Limestone, white, cream, finely crystalline, poor scattered vuggy porosity; few fossiliferous, chalky; no shows.
- 3056-3062' Limestone, tan, light brown, few fossiliferous, poor scattered pinpoint porosity, trace brown stain, show of free oil and no odor in fresh samples.
- 3070-3076' Limestone, tan, brown, fossiliferous; oomoldic, good oomoldic porosity; trace light brown stain, no show of free oil and no odor in fresh samples.
- 3090-3100' Limestone, tan; buff; finely oolitic, poor visible porosity; chalky; no shows.
- 3108-3116' Limestone, tan, cream, brown, finely crystalline, fossiliferous/oolitic, poor visible porosity; trace questionable mineral staining; no free oil and no odor.
- 3120-3130' Limestone, white, oolitic, chalky; dense; poor porosity; trace stain, trace of free oil and no odor in fresh samples.
- 3134-3140' Limestone, tan, cream, oomoldic, slightly chalky, good oomoldic porosity, (barren).
- 3142-3155' Limestone, tan; white, fossiliferous, oomoldic, poorly developed oomoldic porosity, trace brown stain; trace free oil and no odor in fresh samples.
- 3160-3170' Limestone, tan, white, finely crystalline, poor visible porosity, few fossiliferous/oolitic, chalky; trace brown stain; trace free oil and no odor.
- 3183-3190' Limestone, cream, white, oolitic, oomoldic, poorly developed oomoldic and vuggy type porosity; slightly chalky; no shows.
- 3202-3210' Limestone, tan, brown, finely crystalline, poor visible porosity, no shows.
- 3220-3230' Limestone, white, cream, oolitic, poorly developed porosity; no shows.
- 3242-3250' Limestone, tan, white, fossiliferous, poor visible porosity; no shows.

3260-3276' Limestone, white, cream, fossiliferous, oomoldic, scattered porosity; no shows.

3296-3310' Limestone, white/cream, oolitic, fossiliferous, poor developed porosity, cherty in part, no shows.

### CONGLOMERATE SECTION

3358-3380' Varied colored cherts and cherty limestones in matrix of soft red/maroon shales.

### 1<sup>st</sup> SIMPSON SAND

3390-3396 Sand; white, clear, quartzitic, sub-rounded; well sorted; friable porosity; trace brown stain, no free oil and no odor.

### 2<sup>ND</sup> SIMPSON SAND

3400-3406' Sand, white, fine to medium grained; well sorted calcareous, gray; purplish gray stain and discoloration, no show of oil and faint odor.

### ARBUCKLE SECTION

3423-3428' Dolomite, tan, cream, finely crystalline, slightly sucrosic, poor to fair pin point type porosity, light brown stain, show of free oil and fair odor in fresh samples. Trace of pyrite.

**Drill Stem Test #1** **3313-3425**  
**(Log Measurements 3316-3428)**

**Times: 30-30-30-45**

**Blow: Strong**

**Recovery: 40' muddy oil  
(95% oil; 5% mud)  
120' heavily oil and gas cut mud  
(5% gas; 30% oil; 65; mud)  
290' slightly oil and gas cut mud  
(10% gas; 5% oil; 85% mud)**

**Pressures: ISIP 1120 psi  
FSIP 1122 psi  
IFP 27-153 psi  
FFP 137-225 psi  
HSH 1717-1679 psi**

3428-3440' Dolomite, tan buff, finely crystalline, sucrosic, fair vuggy type porosity, light brown and golden brown stain; show of free oil (black) and good odor in fresh samples.

3440-3460' Dolomite, white, tan, finely crystalline, sucrosic, fair inter-crystalline porosity, no show of free oil and questionable odor in fresh samples.

Mai Oil Operations Inc.  
Urbanek Trust #2  
NW-SE-NE-SE (1775' FSL & 544' FEL)  
Section 15-16s-10w  
Ellsworth County, Kansas

Page 4

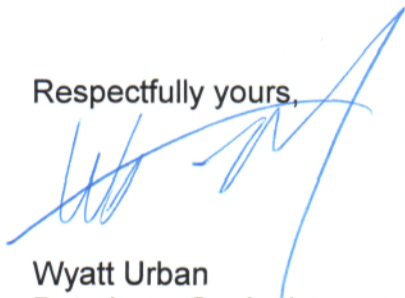
3460-3480' Dolomite, white, cream, sucrosic, medium crystalline, poor scattered porosity; no show of free oil and questionable odor in fresh samples.

<b>Rotary Total Depth</b>	<b>3480</b>
<b>Log Total Depth</b>	<b>3483</b>

**Recommendations:**

5 1/2" production casing was set and cemented on the Mai Oil Operations, Inc., Urbanek Trust #2

Respectfully yours,



Wyatt Urban  
Petroleum Geologist





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Mai Oil Operations  
8411 Preston RD STE 800  
Dallas, Tx 75225  
ATTN: Wyatt Urban

**15-16s-10w Ellsworth, KS**  
**Urbanek #2**  
Job Ticket: 64004      **DST#: 1**  
Test Start: 2018.05.02 @ 08:16:00

## GENERAL INFORMATION:

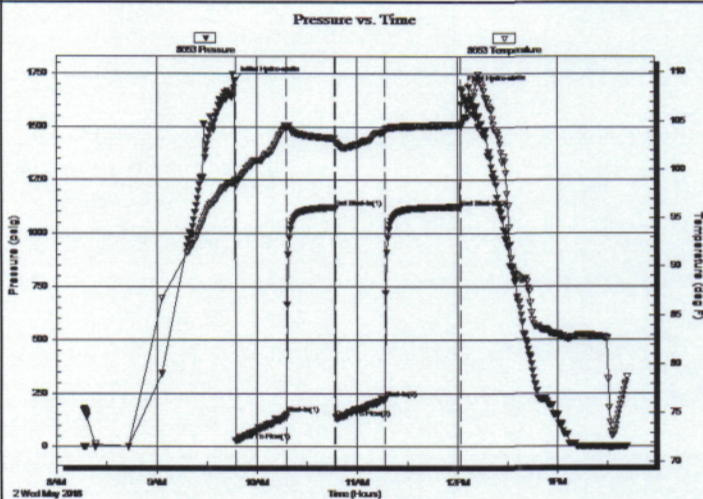
Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:47:10  
Time Test Ended: 13:41:50  
Interval: **3313.00 ft (KB) To 3425.00 ft (KB) (TVD)**  
Total Depth: 3425.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Cade Gerhard/Spencer  
Unit No: 65  
Reference Elevations: 1902.00 ft (KB)  
1895.00 ft (CF)  
KB to GR/CF: 7.00 ft

## Serial #: 8653

Inside

Press@RunDepth: 225.41 psig @ 3316.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.05.02      End Date: 2018.05.02      Last Calib.: 2018.05.02  
Start Time: 08:16:01      End Time: 13:41:50      Time On Btm: 2018.05.02 @ 09:47:00  
Time Off Btm: 2018.05.02 @ 12:02:30

TEST COMMENT: IF- 30- Strong blow ; BOB in 12 min; built to 23 1/2"  
IS- 30- No blow back  
FF- 30- Strong blow ; BOB in 12 min; built to 26 1/2"  
FSI- 45- Weak surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1717.95	98.90	Initial Hydro-static
1	27.28	98.31	Open To Flow (1)
31	153.93	104.20	Shut-In(1)
60	1120.06	103.22	End Shut-In(1)
61	137.73	102.69	Open To Flow (2)
90	225.41	103.92	Shut-In(2)
135	1122.54	104.60	End Shut-In(2)
136	1679.00	104.48	Final Hydro-static

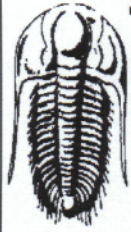
## Recovery

Length (ft)	Description	Volume (bbl)
290.00	GSOCM 10%G 5%O 85%M	4.07
120.00	GHOCM 5%G 30%O 65%M	1.68
40.00	SMCO 5%M 95%O	0.56

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Mai Oil Operations

**15-16s-10w Ellsworth, KS**

8411 Preston RD STE 800  
Dallas, Tx 75225

**Urbanek #2**

Job Ticket: 64004

**DST#: 1**

ATTN: Wyatt Urban

Test Start: 2018.05.02 @ 08:16:00

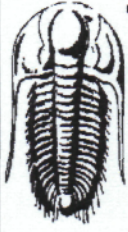
**Tool Information**

Drill Pipe:	Length: 3303.00 ft	Diameter: 3.80 inches	Volume: 46.33 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 46.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3313.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.00 ft			
Tool Length:	132.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3294.00	
Shut In Tool	5.00			3299.00	
Hydraulic tool	5.00			3304.00	
Packer	5.00			3309.00	20.00 Bottom Of Top Packer
Packer	4.00			3313.00	
Stubb	1.00			3314.00	
Perforations	1.00			3315.00	
Change Over Sub	1.00			3316.00	
Recorder	0.00	8653	Inside	3316.00	
Recorder	0.00	8646	Inside	3316.00	
Drill Pipe	95.00			3411.00	
Change Over Sub	1.00			3412.00	
Perforations	10.00			3422.00	
Bullnose	3.00			3425.00	112.00 Bottom Packers & Anchor

**Total Tool Length: 132.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations  
8411 Preston RD STE 800  
Dallas, Tx 75225  
ATTN: Wyatt Urban

**15-16s-10w Ellsworth, KS**  
**Urbanek #2**  
Job Ticket: 64004      DST#: 1  
Test Start: 2018.05.02 @ 08:16:00

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	30 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

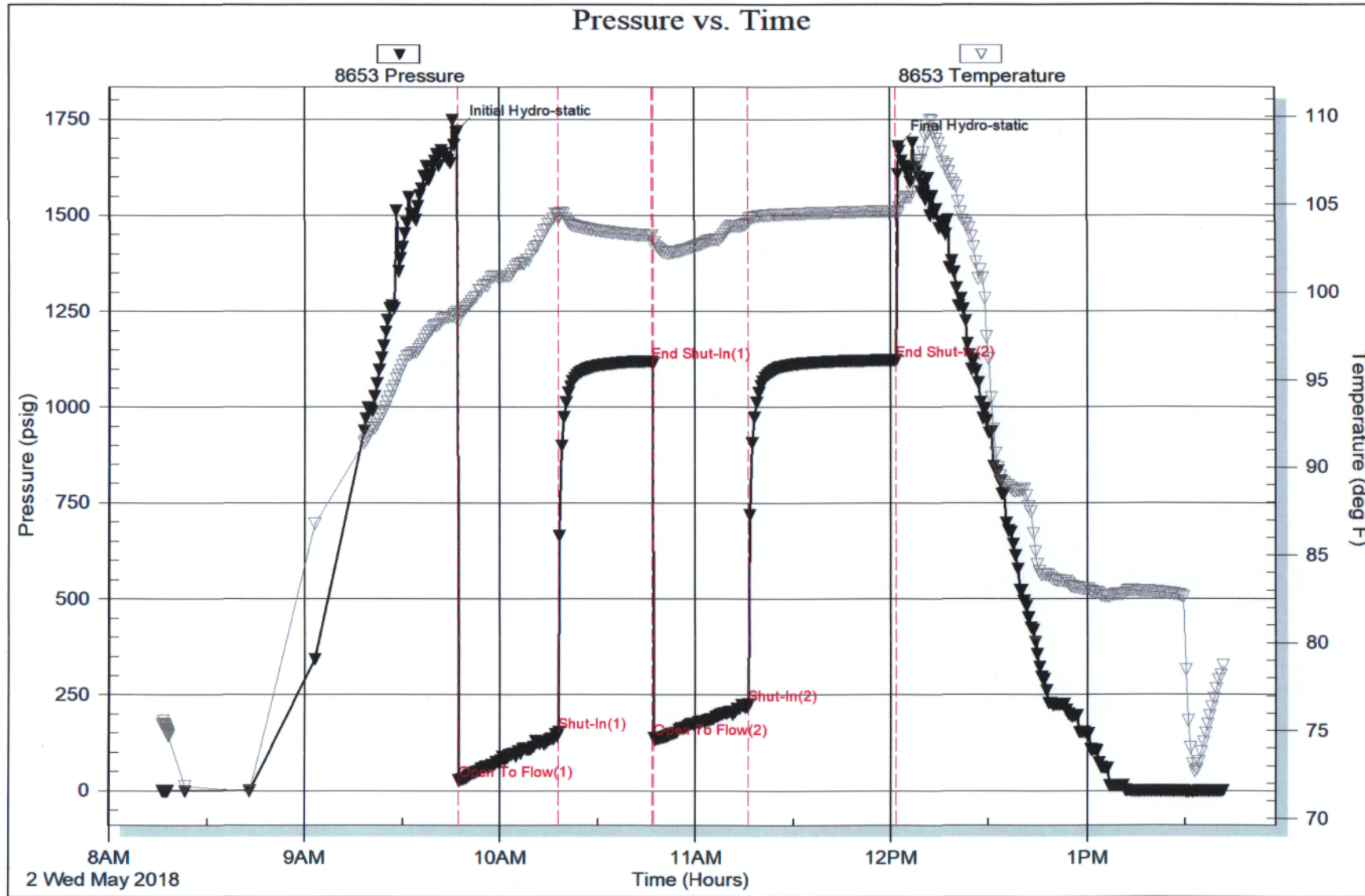
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
290.00	GSOCM 10%G 5%O 85%M	4.068
120.00	GHOCM 5%G 30%O 65%M	1.683
40.00	SMCO 5%M 95%O	0.561

Total Length: 450.00 ft      Total Volume: 6.312 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: LCM- 1#







# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 069

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-28-18	15	16	10	Ellsworth	KS		3:30

Location *Beaver 14E to 5<sup>th</sup> Rd, 1 1/2 N, 402*

Lease	Urbanek	Well No.	2	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Southwend 3			Charge To	Maj Oil
Type Job	Surface			Street	
Hole Size	12 1/4	T.D.	427	City	State
Csg.	8 5/8	Depth	428	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	190 60/40 4% gel, 2% CG
Tool		Depth			
Cement Left in Csg.		Shoe Joint	20		
Meas Line		Displace	25 3/4 BBL		

**EQUIPMENT**

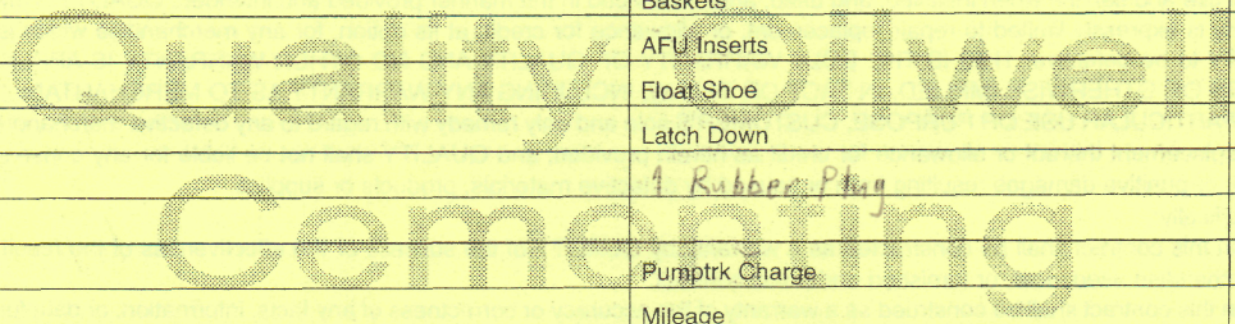
Pumptrk	17	No.	Cementer		Common
			Helper	Travis	Poz. Mix
Bulktrk	15	No.	Driver	Jordan	Gel.
			Driver		Calcium
Bulktrk		No.	Driver	Jack	
			Driver		

**JOB SERVICES & REMARKS**

Remarks:	<i>Cement did circulate</i>	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 Rubber Plug
	Pumptrk Charge
	Mileage



X Signature *Jay Idrien*

Tax	
Discount	
Total Charge	



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 469

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-3-18	15	16	10	Ellsworth	KS		10:00 AM

Location Wilson S 10 Q Rd 4E 1 1/2 N Wino

Lease <u>Urbanek</u>	Well No. # <u>2</u>	Owner
Contractor <u>Southwind #3</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>Production String</u>		Charge To <u>Mai 0.1</u>
Hole Size <u>7 7/8</u>	T.D. <u>3480'</u>	Street
Csg. <u>5 1/4</u>	Depth <u>3478'</u>	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. <u>21.47</u>	Shoe Joint <u>21.47</u>	Cement Amount Ordered <u>160 6 3/4 10% Salt 2% Gel 1/4 lb</u>
Meas Line	Displace <u>8 1/4 bbl</u>	

**EQUIPMENT**

Pumptrk <u>17</u>	No.	Cementer	Common
		Helper <u>Brett</u>	Poz. Mix
Bulktrk <u>3</u>	No.	Driver	Gel.
		Driver <u>David</u>	Calcium
Bulktrk	No.	Driver	Hulls
		Driver <u>Jack</u>	Salt

**JOB SERVICES & REMARKS**

Remarks:	
Rat Hole - <u>30gr</u>	Flowseal
Mouse Hole	Kol-Seal
Centralizers <u>1-4, 6, 9, 10 + 15</u>	Mud CLR 48 - <u>1000 gal</u>
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
	Handling
<u>Ran 3478' 5 1/4" Esp. circulation</u>	Mileage
<u>Plugged Rat</u>	<u>5 1/2</u> <b>FLOAT EQUIPMENT</b>
<u>Mixed 1000 gal Mud Flugh</u>	Guide Shoe
<u>Mixed</u>	Centralizer - <u>8</u>
<u>Displaced 8 1/4 bbl</u>	Baskets
	AFU Inserts
<u>lift pressure @ 600 lbs</u>	Float Shoe - <u>1</u>
	Latch Down - <u>1</u>
<u>Landact plug @</u>	
<u>Plug didn't land shut in @ 300 lbs</u>	Pumptrk Charge
	Mileage

X Signature <u>[Signature]</u>	Tax
	Discount
	Total Charge