



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1177252  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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       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
-----------------------------------	-----------------	---

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: \_\_\_\_\_

1177252

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing     Pumping     Gas Lift     Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	---	---



**JAMES C. MUSGROVE**

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations  
Warren Vine #2  
SW-SW-NE-NE  
Section 27-11s-19w  
Ellis County, Kansas  
Page 1

**Dry and Abandoned**

**Contractor:** Southwind Drilling Co. (Rig #3)  
**Commenced:** October 15, 2013  
**Completed:** October 21, 2013  
**Elevation:** 2108' K.B; 2106' D.F; 2100' G.L.  
**Casing program:** Surface; 8 5/8" @ 218'  
Production; none.  
**Sample:** Samples saved and examined 3000' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 3000 ft to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Formation Tests:** There were three (3) Drill Stem Tests ran by Trilobite Testing Co.  
**Electric Log:** By Nabors Completion and Production Services; Dual Induction, Compensated Density/Neutron, Micro and Sonic Log.

Completed: October 21, 2013

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1390	+718
Base Anhydrite	1438	+670
Topeka	3068	-963
Heebner	3296	-1188
Toronto	3311	-1203
Lansing	3336	-1228
Base Kansas City	3358	-1450
Arbuckle	3627	-1519
Rotary Total Depth	3715	-1607
Log Total Depth	3717	-1609

(All tops and zones corrected to Electric Log measurements).

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

**TOPEKA SECTION**

3258-3281' Limestone; tan, gray, finely crystalline, fossiliferous, poor pinpoint porosity, trace light brown stain, no free oil and no odor.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1390	+718
Base Anhydrite	1438	+670
Topeka	3068	-963
Heebner	3296	-1188
Toronto	3311	-1203
Lansing	3336	-1228
Base Kansas City	3358	-1450
Arbuckle	3627	-1519
Rotary Total Depth	3715	-1607
Log Total Depth	3717	-1609

**TORONTO SECTION**

3311-3323' Limestone; cream, white, finely crystalline, poor intercrystalline to finely vuggy type porosity, chalky, trace brown stain, no free oil and no odor.

**LANSING SECTION**

3335-3350' Limestone; cream, white, finely crystalline, oolitic, chalky, poor porosity, no shows.

3365-3375' Limestone; gray, tan, finely crystalline, slightly oolitic, chalky, poor pinpoint porosity, no shows.

3410-3423' Limestone; cream, white, finely crystalline, poor pinpoint to intercrystalline porosity, cherty in part, trace dark brown stain, no free oil and no odor.

3428-3450' Limestone; cream, white, finely crystalline, chalky, few cherty, poor visible porosity, no shows.

3460-3480' Limestone; cream, tan, white, finely crystalline, chalky, poorly developed porosity, no shows.

3490-3500' Limestone; white, cream, light gray, finely crystalline, chalky, poor visible porosity, no shows.

3523-3536' Limestone; white, finely crystalline, dense, poor visible porosity, no shows.

Limestone; white, cream, finely crystalline, chalky, poor porosity, no shows.

**CONGLOMERATE SECTION**

3597-3627' Chert; peach, salmon, yellow, plus maroon, red, green shales.

**ARBUCKLE SECTION**

3627-3629' Dolomite; white, cream and tan, fine and medium crystalline, poor intercrystalline type porosity, golden brown stain, show of free oil and good odor in fresh samples.

**Drill Stem Test #1 3540-3627' (Log measurements 3542-3629)**

Times: 30-30-30-30

Blow: Weak

Recovery: 1' clean oil  
9' very slightly oil cut mud

Pressures: ISIP 260 psi  
FSIP 240 psi  
IFP 62-61 psi  
FFP 56-54 psi  
HSH 1723-1642 psi

3629-3638' Dolomite; as above, increase in porosity, golden brown/brown stain, show of free and good odor in fresh samples.

**Drill Stem Test #2 3542-3636' (Log measurements 3544-3638)**

**Times:** 45-45-30-30  
**Blow:** Fair  
**Recovery:** 1' clean oil  
**Pressures:** ISIP 250 psi  
 FSIP 242 psi  
 IFP 57-59 psi  
 FFP 60-59 psi  
 HSH 1744-1650 psi

3638-3645' Dolomite; cream, tan, fine and medium crystalline, poor intercrystalline to finely vuggy type porosity, dark brown to golden brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #3 3542-3643' (Log measurements 3544-3645)**

**Times:** 45-45-30-30  
**Blow:** Weak  
**Recovery:** 25' very slightly oil cut mud (2% oil, 98% mud)  
**Pressures:** ISIP 58 psi  
 FSIP 44 psi  
 IFP 19-30 psi  
 FFP 30-44 psi  
 HSH 1730-1643 psi

3645-3665' Dolomite; cream, white, tan, fine and medium crystalline, poorly developed porosity, trace poor stain, weak show of free oil and faint odor, plus white, gray chert.

3665-3680' Dolomite; white/cream, fine and medium crystalline, poorly developed porosity, scattered stain, show of free oil and faint odor.

3680-3700' Dolomite; cream, white, fine crystalline, few medium crystalline, poorly developed porosity, no visible shows, trace white chalk and white/cream, boney chert.

3700-3717' Dolomite; cream, white, finely crystalline, poor to fair intercrystalline porosity, chalky luster, cherty in part, (barren).

**Rotary Total Depth** 3715  
**Log Total Depth** 3717

3645-3665' Dolomite; cream, white, tan, fine and medium crystalline, poorly developed porosity, trace poor stain, weak show of free oil and faint odor, plus white, gray chert.

3665-3680' Dolomite; white/cream, fine and medium crystalline, poorly developed porosity, scattered stain, show of free oil and faint odor.

Mai Oil Operations  
Warren Vine #2  
SW-SW-NE-NE  
Section 27-11s-19w  
Ellis County, Kansas  
Page 4

**Recommendations:**

The Warren Vine #2 was plugged and abandoned at the Rotary Total Depth 3715'.

Respectfully submitted;



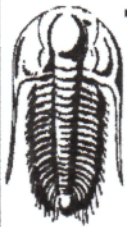
Kurt Talbott,  
Petroleum Geologist

Mai Oil Operations  
Warren Vine #2  
SW-SW-NE-NE  
Section 27-11s-19w  
Ellis County, Kansas

Respectfully submitted;



Kurt Talbott,  
Petroleum Geologist



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations  
 8411 Preston Rd  
 Ste 800 Dallas TX 75225  
 ATTN: Kurt Talbott

**27-11s-19w Elis,KS**  
**Warren-Vine #2**  
 Job Ticket: 55304      **DST#: 1**  
 Test Start: 2013.10.19 @ 21:25:00

### GENERAL INFORMATION:

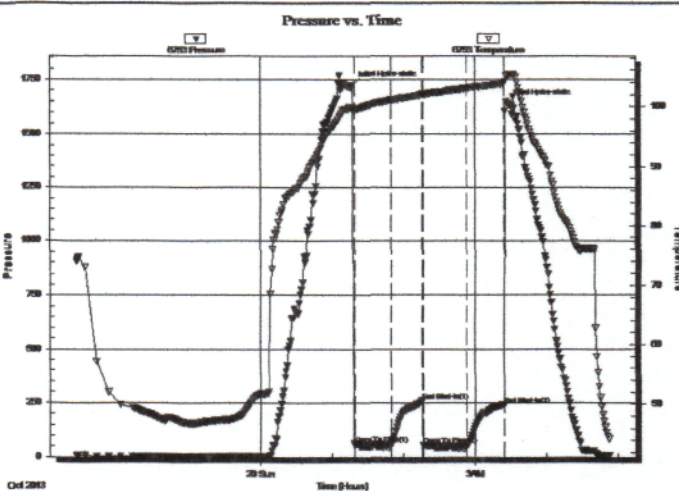
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:18:30  
 Time Test Ended: 04:52:00  
 Interval: **3540.00 ft (KB) To 3627.00 ft (KB) (TVD)**  
 Total Depth: 3627.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2108.00 ft (KB)  
 2100.00 ft (CF)  
 KB to GR/CF: 8.00 ft

### Serial #: 6753

Inside

Press@RunDepth: 54.29 psig @ 3544.00 ft (KB)  
 Start Date: 2013.10.19 End Date: 2013.10.20  
 Start Time: 21:25:05 End Time: 04:51:59  
 Capacity: 8000.00 psig  
 Last Calib.: 2013.10.20  
 Time On Btm: 2013.10.20 @ 01:17:00  
 Time Off Btm: 2013.10.20 @ 03:27:00

TEST COMMENT: IF-1/2" blow died back to 1/8"  
 ISI-No blow  
 FF-No blow  
 FSI-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.39	99.81	Initial Hydro-static
2	62.36	99.51	Open To Flow (1)
33	61.27	101.06	Shut-In(1)
59	259.77	102.10	End Shut-In(1)
59	56.25	101.98	Open To Flow (2)
96	54.29	103.00	Shut-In(2)
127	239.83	103.83	End Shut-In(2)
130	1641.56	105.21	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
9.00	VSOCM 5%O 95%M	0.13

### Gas Rates

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





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mai Oil Operations  
 8411 Preston Rd  
 Ste 800 Dallas TX 75225  
 ATTN: Kurt Talbott

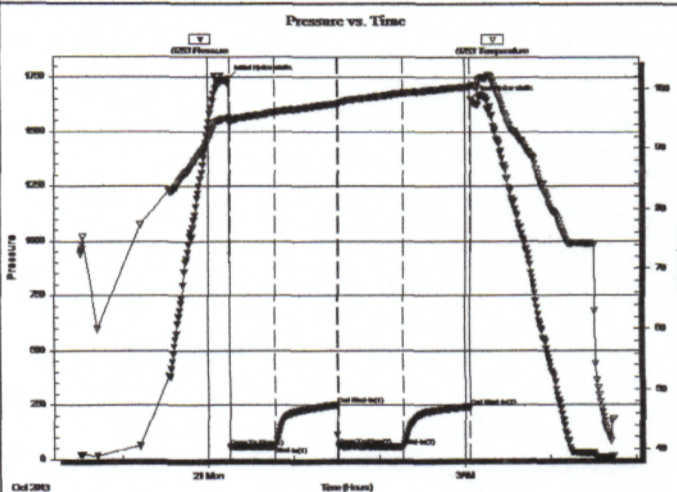
**27-11s-19w Elis,KS**  
**Warren-Vine #2**  
 Job Ticket: 55305 **DST#: 2**  
 Test Start: 2013.10.20 @ 22:30:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:14:45  
 Time Test Ended: 04:43:30  
 Interval: **3542.00 ft (KB) To 3636.00 ft (KB) (TVD)**  
 Total Depth: 3636.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2108.00 ft (KB)  
 2100.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 6753** **Inside**  
 Press@RunDepth: 59.04 psig @ 3546.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.20 End Date: 2013.10.21 Last Calib.: 2013.10.21  
 Start Time: 22:30:05 End Time: 04:43:29 Time On Btm: 2013.10.21 @ 00:14:15  
 Time Off Btm: 2013.10.21 @ 03:04:00

TEST COMMENT: IF-2 1/4" blow  
 IS- No blow  
 FF1/4" blow  
 FSI- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.36	95.03	Initial Hydro-static
1	57.08	94.04	Open To Flow (1)
32	59.39	96.00	Shut-In(1)
76	249.93	97.42	End Shut-In(1)
77	59.65	97.40	Open To Flow (2)
122	59.04	99.22	Shut-In(2)
169	241.67	100.44	End Shut-In(2)
170	1650.45	100.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
29.00	VSOOM 5%O 95%M	0.41

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mai Oil Operations  
 8411 Preston Rd  
 Ste 800 Dallas TX 75225  
 ATTN: Kurt Talbott

**27-11s-19w Elis,KS**  
**Warren-Vine #2**  
 Job Ticket: 55306 **DST#: 3**  
 Test Start: 2013.10.21 @ 10:55:00

## GENERAL INFORMATION:

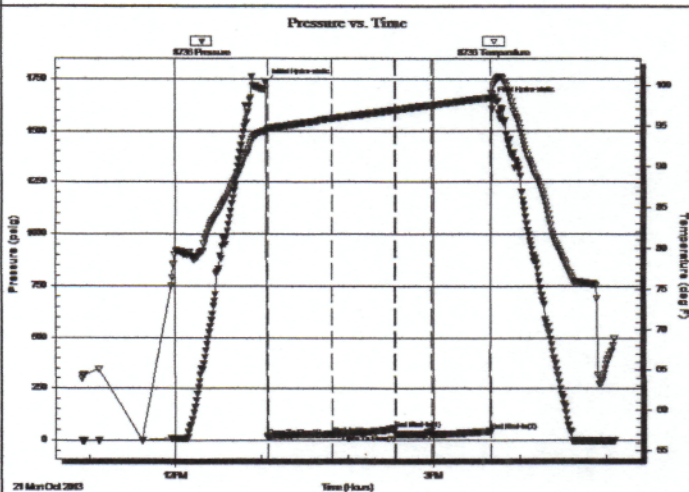
Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:04:15  
 Time Test Ended: 17:05:30  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Interval: **3542.00 ft (KB) To 3643.00 ft (KB) (TVD)**  
 Total Depth: 3643.00 ft (KB) (TVD)  
 Reference Elevations: 2108.00 ft (KB)  
 2100.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 8.00 ft

## Serial #: 8736

Outside

Press@RunDepth: 44.08 psig @ 3545.00 ft (KB)  
 Start Date: 2013.10.21 End Date: 2013.10.21  
 Start Time: 10:55:05 End Time: 17:05:29  
 Capacity: 8000.00 psig  
 Last Calib.: 2013.10.21  
 Time On Btm: 2013.10.21 @ 13:03:15  
 Time Off Btm: 2013.10.21 @ 15:40:30

TEST COMMENT: IF-2 1/4" blow  
 IS- No blow  
 FF- weak surface blow died in 15 min  
 FS- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1730.04	94.46	Initial Hydro-static
1	18.82	94.46	Open To Flow (1)
46	29.90	95.92	Shut-In(1)
90	57.90	96.94	End Shut-In(1)
90	29.75	96.93	Open To Flow (2)
115	44.08	97.51	Shut-In(2)
157	44.17	98.46	End Shut-In(2)
158	1643.43	98.87	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
25.00	VSOCM 2%O 98%M	0.35

\* Recovery from multiple tests

## Gas Rates

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

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 7451

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

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

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-15-13	27	11	19	Ellis	KS		8:15pm
Location				Yocemento 10V Finto			

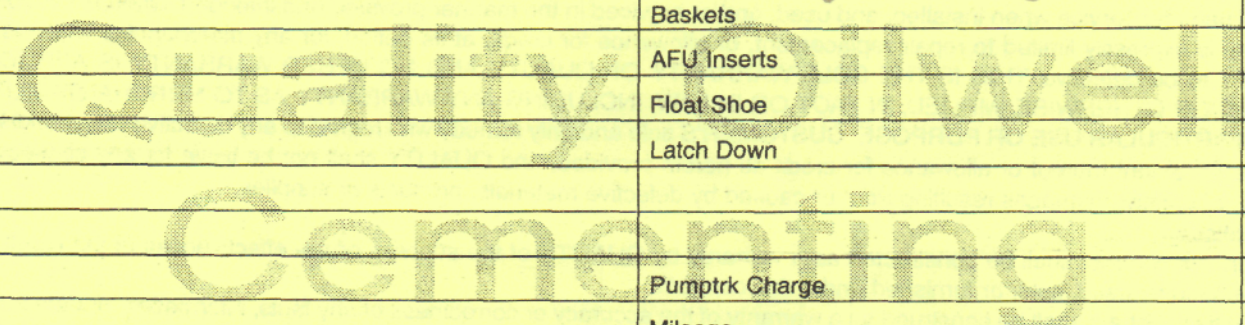
Lease	Well No.	Owner
Warren Vine	2	To Quality Oilwell Cementing, Inc.
Contractor	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Southwind #3		
Type Job	Charge To	
Surface	Ma. Oil	
Hole Size	T.D.	
12 1/4	218	
Csg.	Depth	
8 5/8	218	
Tbg. Size	Depth	
Tool	Depth	
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered
15'		150 9/40 3/10 2/62
Meas Line	Displace	
	1384	

EQUIPMENT			Common
Pumptrk	No.	Cementer Helper	Poz. Mix
16		Andy	
Bulktrk	No.	Driver	Gel.
		Billy	
Bulktrk	No.	Driver	Calcium
14		Andy	

JOB SERVICES & REMARKS		
Remarks:		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
8 5/8 on bit from Est. Cementation		Sand
Mix 150 SK v Displace		Handling
		Mileage

FLOAT EQUIPMENT		
Cement Calculated!		Guide Shoe
		Centralizer
		8 5/8 surge
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		Pumptrk Charge
		Mileage

X Signature Joy Kruis	Tax
	Discount
	Total Charge



# ALLIED OIL & GAS SERVICES, LLC 054893

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>10.22.13</u>	SEC. <u>27</u>	TWP. <u>11</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 am</u>	JOB FINISH <u>11:30 am</u>
LEASE <u>Winn/Vin</u>	WELL # <u>2</u>	LOCATION <u>Kcements Cr</u>			COUNTY <u>Ellis</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)			<u>10 - cement into -</u>				

CONTRACTOR Southwind  
 TYPE OF JOB PTA  
 HOLE SIZE 7 1/2 T.D.  
 CASING SIZE DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 3608  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER  
 CEMENT AMOUNT ORDERED 255 cr 60/110 41 gal  
 COMMON 153 sk @ 179 \$2,738.70  
 POZMIX 102 sk @ 9.33 \$ 953.70  
 GEL 2.77 sk @ 23.4 \$ 205.22  
 CHLORIDE @  
 ASC @  
 HANDLING 272.95 lbs @ 2.48 \$ 676.12  
 MILEAGE 194.2345 11m 2.60 \$ 525.14

**EQUIPMENT**

PUMP TRUCK CEMENTER Gary P  
 # 409 HELPER Ngtao  
 BULK TRUCK  
 # 481 DRIVER Jesse C  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

P1= 3608' @ 50sk - Pumped 8.27 hrs  
 Displaced cement @ 537 gal/min  
 P2= 1425' @ 25sk - Pumped 4.10 hrs  
 Displaced cement @ 17.42 gal/min  
 P3= 725' @ 100sk - Pumped 16.42 hrs  
 Displaced cement @ 3.74 gal/min  
 P4= 275' @ 40sk - Pumped 6.57 hrs  
 Displaced cement @ 1.28 gal/min  
 P5= 40' @ 10sk - Pumped 1.64 hrs  
 1x 8" wooden plug - cement to surface

CHARGE TO: M&D Oil  
 STREET  
 CITY STATE ZIP

**SERVICE**

DEPTH OF JOB 3608'  
 PUMP TRUCK CHARGE \$ 2600.47  
 EXTRA FOOTAGE @  
 MILEAGE Heavy 17m @ 7.7 \$ 130.9  
 MANIFOLD Light 17m @ 4.4 \$ 74.7

TOTAL \$ 2706.17

**PLUG & FLOAT EQUIPMENT**

1x 8" wooden Plug @ \$ 107.64  
 @  
 @  
 @  
 @

TOTAL \$ 107.64

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 Jay Kline  
 SIGNATURE Jay Kline

SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS