



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1274054 OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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
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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: _____

1274054

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 TCores aken <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) (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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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Barnes Trust 1
Doc ID	1274054

All Electric Logs Run

CDNL
DIL
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Barnes Trust 1
Doc ID	1274054

Tops

Name	Top	Datum
Anhydrite	1023	+975
Topeka	2980	-982
Heebner	3210	-1212
Toronto	3224	-1226
Douglas	3238	-1240
Lansing	3274	-1276
Base Kansas City	3494	-1496
Arbuckle	3534	-1527

JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
Barnes Trust #1
NW-SW-NW-SE (1765' FSL & 2455' FEL)
Section 33-17s-15w
Barton County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #3)
Commenced: October 29, 2015
Completed: November 4, 2015
Elevation: 1998' K.B., 1996' D.F., 1990' G.L.
Casing program: Surface; 8 5/8" @ 1019'
Production, 5 1/2" @ 3594'
Sample: Samples saved and examined 3000' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 3000' to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were four (4) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Casedhole Solutions, Dual Induction, Compensated Density/Neutron Log, Micro and Sonic.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1023	+975
Base Anhydrite	1048	+950
Topeka	2980	-982
Heebner	3210	-1212
Toronto	3224	-1226
Douglas	3238	-1240
Lansing	3274	-1276
Base Kansas City	3494	-1496
Arbuckle	3534	-1527
Rotary Total Depth	3600	-1602
Log Total Depth	3602	-1604

All tops and zones corrected to Electric Log Measurement

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

TOPEKA SECTION

3130-3150' Limestone, cream, tan, light gray, finely crystalline, few fossiliferous, poor visible porosity, plus white/gray boney chert.

- 3154-3160' Limestone, cream tan, fine and medium crystalline, scattered inter-crystalline porosity, trace black spotty stain, no free oil and no odor in fresh samples.
- 3160-3180' Limestone, cream, tan, finely crystalline, few fossiliferous, poorly developed pinpoint type porosity, trace dark brown stain, no show of free oil and no odor in fresh samples.

TORONTO SECTION

- 3224-3234' Limestone, white, finely crystalline, few fossiliferous, poor scattered pinpoint porosity, chalky, trace spotty brown stain, no free oil and no odor in fresh samples.

LANSING SECTION

- 3274-3282' Limestone, cream, tan, finely crystalline, slightly oolitic, poor porosity, dense.
- 3290-3295' Limestone, cream, tan, finely crystalline, oolitic/fossiliferous, poor to fair inter-crystalline porosity, golden brown stain, show of free oil and fair odor in fresh samples.
- 3305-3319' Limestone, white, cream, finely crystalline, oolitic, scattered vuggy type porosity, dark brown stain, show of free oil and fair odor in fresh samples.
- 3340-3352' Limestone, white, cream, finely crystalline, oolitic, poor visible pinpoint type porosity, chalky in part, spotty stain, no free oil and no odor.
- 3362-3368' Limestone, cream, white, finely crystalline, oolitic, oomoldic, fair oomoldic porosity, golden to light brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #1 3274-3390

Times: 6-45-45-60

Blow: Strong; gas to surface in 5 mins, gas gauged as follows:
 Initial Flow: Gas to surface (no gauge)
 Final Flow: 5 mins 3,576,000
 10 mins 3,863,000
 20 mins 4,151,000
 30 mins 3,863,000
 40 mins 3,863,000
 45 mins 3,863,000

Recovery: 30' mud, with oil spots

Pressures: ISIP 1127 psi
 FSIP 1124 psi
 IFP 791-896 psi
 FFP 772-806 psi
 HSH 1663-1601 psi

- 3422-3430' Limestone, cream, white, finely crystalline, scattered porosity, no shows.
- 3436-3450' Limestone, cream, white, finely crystalline, poorly developed pinpoint type porosity, dark brown stain, trace of free oil and faint odor in fresh samples.
- 3456-3470' Limestone, cream, white, finely crystalline, poor pin point porosity, dark brown stain, trace of free oil and fair odor in fresh samples.
- 3471-3480' Limestone, cream, tan, finely crystalline, oolitic, poor visible porosity, brown stain, trace of free oil and faint odor in fresh sample.

Drill Stem Test #2 3406-3500

Times: 30-45-45-60

Blow: Strong

**Recovery: 186' oil and gas cut mud
(50% gas; 20% oil; 30% mud)
30' slightly oil and gas cut mud
(20% gas; 10% oil; 70% mud)**

**Pressures: ISIP 1105 psi
FSIP 1103 psi
IFP 51-54 psi
FFP 106-125 psi
HSH 1731-1672 psi**

ARBUCKLE SECTION

- 3525-3531' Dolomite, white, finely crystalline, fair medium crystalline, scattered inter-crystalline porosity, golden brown to dark brown stain, show of free oil and good odor in fresh samples.

**Drill Stem Test #3 3492-3529
(Log Measurements 3494-3531)**

Times: 30-45-45-60

Blow: Strong

**Recovery: 1054' gassy oil
248' slightly oil and gas cut mud
(35% gas; 5% oil; 60% mud)**

**Pressures: ISIP 1044 psi
FSIP 1053 psi
IFP 64-204 psi
FFP 225-393 psi
HSH 1745-1737 psi**

- 3531-3540' Dolomite, white/cream, fine and medium crystalline, good inter-crystalline porosity golden brown to dark brown stain good show of free oil and good odor in fresh samples.

Drill Stem Test #4 **3530-3538**
(Log Measurement **3532-3540**)

Times: 30-45-45-60

Blow: Strong

Recovery: 1406' gassy oil
20' very slightly oil cut mud
(5% oil; 95% mud)

Pressures: ISIP 1066 psi
FSIP 1066 psi
IFP 48-232 psi
FFP 249-257 psi
HSH 1747-1641 psi

- 3538-3550' Dolomite, white, light gray, fine to medium crystalline, fair inter-crystalline porosity, dark brown stain, show of free oil and fair odor in fresh samples.
- 3550-3560' Dolomite, white, medium crystalline, fair inter-crystalline, dark brown stain, trace of free oil and faint odor, plus chert; white/gray, boney.
- 3560-3580' Dolomite, white, medium crystalline, fair to good porosity, dark brown to black stain, no show of free oil and faint odor in fresh samples.
- 3580-3602' Dolomite, white, fine to medium crystalline, poor visible porosity, black stain, no free oil and faint odor, plus white/gray boney chert.

Rotary Total Depth 3600 - 1602
Log Total Depth 3602 - 1604

Recommendations:

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

Respectfully yours,

Kurt Talbott
Petroleum Geologist



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Rd STE 800
Dallas TX, 75225
ATTN: Kurt Talbott

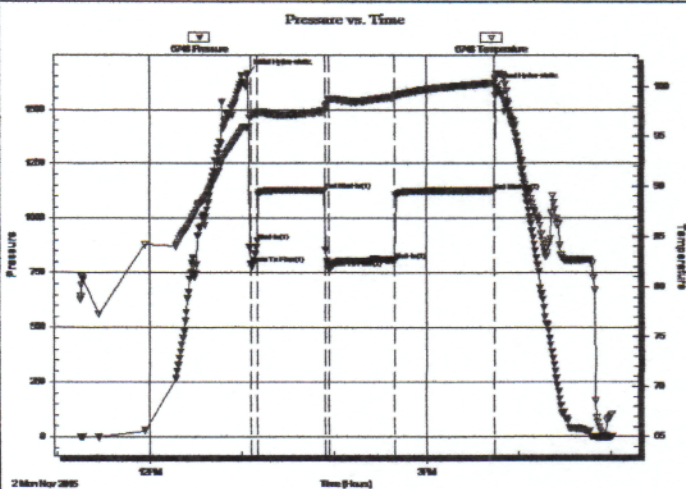
33-17s-15w Barton,KS
Barnes Trust #1
Job Ticket: 62448 **DST#: 1**
Test Start: 2015.11.02 @ 11:15:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:06:00
Time Test Ended: 17:01:15
Interval: **3274.00 ft (KB) To 3390.00 ft (KB) (TVD)**
Total Depth: 3390.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73
Reference Elevations: 1998.00 ft (KB)
1990.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6748 **Inside**
Press@RunDepth: 806.90 psig @ 3278.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.02 End Date: 2015.11.02 Last Calib.: 2015.11.02
Start Time: 11:15:05 End Time: 17:01:14 Time On Btm: 2015.11.02 @ 13:04:30
Time Off Btm: 2015.11.02 @ 15:44:45

TEST COMMENT: 06 - IF- B.O.B. instantly, G.T.S. in 5 minutes
45 - IS- Bled off throughout shutin
45 - FF- B.O.B. instantly, G.T.S. in 3 minutes - Gauging
60 - FS- Bled off for 33 minutes, shut in, no return.



PRESSURE SUMMARY

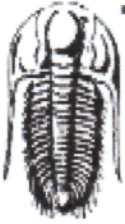
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1663.31	95.89	Initial Hydro-static
2	791.23	97.44	Open To Flow (1)
6	896.05	97.30	Shut-In(1)
50	1127.41	97.51	End Shut-In(1)
52	772.84	98.70	Open To Flow (2)
96	806.90	99.08	Shut-In(2)
160	1124.96	100.37	End Shut-In(2)
161	1601.66	100.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud - Oil spots, 100%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	110.00	3576.35
Last Gas Rate	1.00	120.00	3863.84
Max. Gas Rate	1.00	130.00	4151.33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Rd STE 800
 Dallas TX, 75225
 ATTN: Kurt Talbott

33-17s-15w Barton,KS
Barnes Trust #1
 Job Ticket: 62449 **DST#: 2**
 Test Start: 2015.11.03 @ 03:30:00

GENERAL INFORMATION:

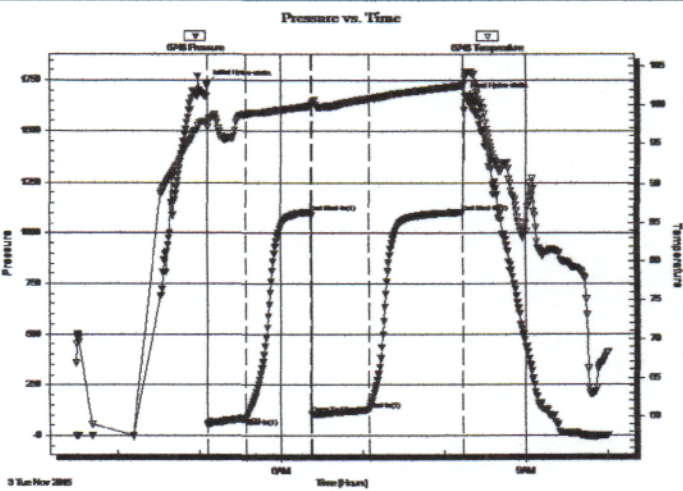
Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:06:30
 Time Test Ended: 10:00:30
 Interval: **3406.00 ft (KB) To 3500.00 ft (KB) (TVD)**
 Total Depth: 3500.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 1998.00 ft (KB)
 1990.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6748

Inside

Press@RunDepth: 125.64 psig @ 3410.00 ft (KB)
 Start Date: 2015.11.03 End Date: 2015.11.03
 Start Time: 03:30:05 End Time: 10:00:29
 Capacity: 8000.00 psig
 Last Calib.: 2015.11.03
 Time On Btm: 2015.11.03 @ 05:06:15
 Time Off Btm: 2015.11.03 @ 08:15:15

TEST COMMENT: 30 - IF- B.O.B. in 3 minutes
 45 - IS- No return
 45 - FF- B.O.B. instantly
 60 - FS- Surface return, died in 47 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.04	97.77	Initial Hydro-static
1	51.66	97.05	Open To Flow (1)
29	84.83	98.80	Shut-In(1)
76	1105.15	99.90	End Shut-In(1)
77	106.15	100.08	Open To Flow (2)
119	125.64	100.79	Shut-In(2)
188	1103.25	102.51	End Shut-In(2)
189	1672.75	103.74	Final Hydro-static

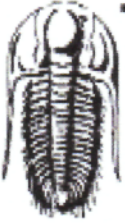
Recovery

Length (ft)	Description	Volume (bbl)
186.00	GOCM, 20%O, 30%M, 50%G	2.61
30.00	GSOCM, 10%O, 20%G, 70%M	0.42
0.00	3282' of G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Rd STE 800
Dallas TX, 75225
ATTN: Kurt Talbott

33-17s-15w Barton,KS
Barnes Trust #1
Job Ticket: 62450 **DST#: 3**
Test Start: 2015.11.03 @ 16:25:00

GENERAL INFORMATION:

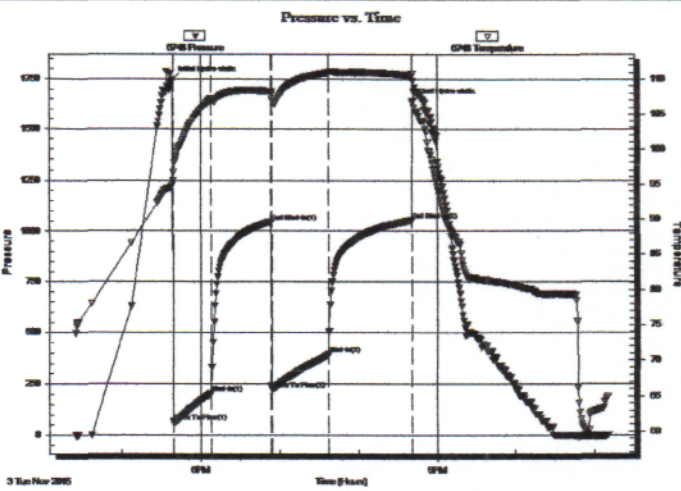
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:39:30
Time Test Ended: 23:10:15
Interval: **3492.00 ft (KB) To 3529.00 ft (KB) (TVD)**
Total Depth: 3529.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 73
Reference Elevations: 1998.00 ft (KB)
1990.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6748

Inside

Press@RunDepth: 393.43 psig @ 3499.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.03 End Date: 2015.11.03 Last Calib.: 2015.11.03
Start Time: 16:25:05 End Time: 23:10:14 Time On Btm: 2015.11.03 @ 17:38:30
Time Off Btm: 2015.11.03 @ 20:41:15

TEST COMMENT: 30 - IF- B.O.B. in 2 minutes
45 - IS- Surface return
45 - FF- B.O.B. in 2 minutes
60 - FS- 1/2" return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.49	94.84	Initial Hydro-static
1	64.77	96.65	Open To Flow (1)
30	204.46	107.15	Shut-In(1)
76	1044.78	108.22	End Shut-In(1)
77	225.39	107.20	Open To Flow (2)
119	393.43	110.92	Shut-In(2)
183	1053.44	110.52	End Shut-In(2)
183	1637.81	110.74	Final Hydro-static

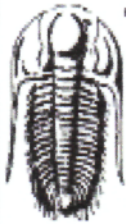
Recovery

Length (ft)	Description	Volume (bbl)
248.00	GSOCM, 5%O, 35%G, 60%M	3.48
868.00	GO, 40%G, 60%O	12.18
186.00	GO, 20%G, 80%O	2.61
0.00	992' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Rd STE 800
 Dallas TX, 75225
 ATTN: Kurt Talbott

33-17s-15w Barton,KS
Barnes Trust #1
 Job Ticket: 64876 **DST#: 4**
 Test Start: 2015.11.04 @ 04:36:00

GENERAL INFORMATION:

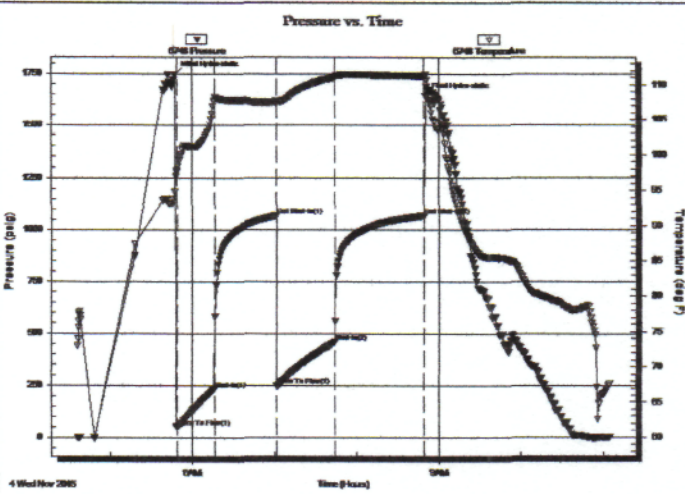
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:48:30
 Time Test Ended: 11:05:00
 Interval: **3530.00 ft (KB) To 3538.00 ft (KB) (TVD)**
 Total Depth: 3538.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 1998.00 ft (KB)
 1990.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6748

Inside

Press@RunDepth: 457.41 psig @ 3535.00 ft (KB)
 Start Date: 2015.11.04 End Date: 2015.11.04
 Start Time: 04:36:05 End Time: 11:04:59
 Capacity: 8000.00 psig
 Last Calib.: 2015.11.04
 Time On Btm: 2015.11.04 @ 05:47:15
 Time Off Btm: 2015.11.04 @ 08:50:15

TEST COMMENT: 30 - IF- B.O.B. in 1 minute
 45 - ISL- 1 1/2" return
 45 - FF- B.O.B. in 2 minutes
 60 - FSI- 1 1/2" return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.75	94.82	Initial Hydro-static
2	48.83	97.62	Open To Flow (1)
29	232.39	107.75	Shut-In(1)
74	1066.34	107.68	End Shut-In(1)
75	249.52	107.29	Open To Flow (2)
117	457.41	111.07	Shut-In(2)
183	1066.46	111.23	End Shut-In(2)
183	1641.26	111.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSOCM, 5%O, 95%M	0.28
290.00	GO, 20%G, 70%O	4.07
1116.00	GO, 50%G, 50%O	15.65
0.00	806' G.I.P.	0.00

* Recovery from multiple tests

Gas Rates

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

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. 1648

Date	10-30-15	Sec.	33	Twp.	17	Range	15	County	Barton	State	Ks	On Location		Finish	5:15 AM
------	----------	------	----	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Lease Barnes Trust Location Olmitz, Ks + K4 Hwy - 200, 15, 1/2 W

Well No. 1 Owner N/S

Contractor Southwind 3 To Quality Oilwell Cementing, Inc.
Type Job Surface You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4" T.D. 1019' Charge To Mai oil operations

Csg. 8 5/8" Depth 1019' Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 30' Shoe Joint 30' Cement Amount Ordered 400 6 0/40 3% cc 2% gel

Meas Line Displace 63 BLS

EQUIPMENT

Pumptrk	18	No.	Cementer	Travis	Common
			Helper		
Bulktrk	4	No.	Driver	Billy	Poz. Mix
			Driver		
Bulktrk	pu.	No.	Driver	Rick	Gel.
			Driver		
			Driver		Calcium

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Handling

Mileage

FLOAT EQUIPMENT

Guide Shoe Rubber plug

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge

Mileage

X Signature [Signature]

Tax

Discount

Total Charge

Quality Oilwell Cementing

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. 1286

Date	11-5-15	Sec.	33	Twp.	17	Range	15	County	Barton	State	Ks	On Location		Finish	7:00 AM
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Location Olmitz Rd + Hwy 4-2w, 15 1/2 w

Lease	Barnes Trust	Well No.	1	Owner	N/S
Contractor	Southwind		3	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	Production			Charge To	Ma. oil operations
Hole Size	7 7/8"	T.D.	3600'		
Csg.	5 1/2" 14# New	Depth	3594'	Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	22.66'	Shoe Joint	22.66'	Cement Amount Ordered	160 60/40 10% Salt 2% Gel 1/4#
Meas Line		Displace	87 BLS	Flowseal	2% Gas block .5 of 1% CF38 DeFoamer

EQUIPMENT

Pumptrk	5	No.	Cementer	Brett	Common
			Helper		Poz. Mix
Bulktrk	3	No.	Driver	Doug	Gel.
			Driver		Calcium
Bulktrk	p.u.	No.	Driver	Rick	

JOB SERVICES & REMARKS

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	1-10 Mud CLR 48 1000 gal
Baskets	pipe on bottom, break CFL-117 or CD110 CAF 38
D/V or Port Collar	Circulation Pump 1000 gal mud clear 48 plug bathole w/ 30 wt cement 5 1/2" casing w/ 130

5x. Shut down Wash pump + lines Released plug + Displaced w/ 87 BLS of H₂O. Released + held.

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	10
Baskets	
AFU Inserts	
Float Shoe	1
Latch Down	1

Lift pressure 700 #

Land plug to 1500 #

Pumptrk Charge		Tax	
Mileage		Discount	
		Total Charge	

X Signature Kent