



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1108869
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
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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: _____



1108869

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 21, 2013

Allen Bangert
Mai Oil Operations, Inc.
8411 PRESTON RD STE 800
DALLAS, TX 75225-5520

Re: ACO1
API 15-009-25766-00-00
Kenneth Axman 1
SW/4 Sec.23-17S-15W
Barton County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Allen Bangert

Office (620) 588-4250 212 Main St. • P.O. Box 215 • Clarin, KS 67525 (620) 587-3444 Home

James C. Musgrove
Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Maui Oil Operations

LEASE Kenneth Axman #1

FIELD Mary A'

LOCATION w/2-se-sw Sw (350' FSL 5,950' FWL)

SEC 23 TWP 17 S RGE 15 W

COUNTY Barton STATE Kansas

CONTRACTOR Southwind Drilling Co. (rig #3)

SPUD Oct. 29, 2012 COMP Nov 6, 2012

RTD 3619 LTD 3620

MUD UP 2800 TYPE MUD Chemical displaced

SAMPLES SAVED FROM 2900

DRILLING TIME KEPT FROM 2900

SAMPLES EXAMINED FROM 2900

GEOLOGICAL SUPERVISION FROM 3200

GEOLOGIST ON WELL Jim Musgrove

ELEVATIONS

KB 2001

DF _____

GL 1993

Measurements Are All From - KB -

CASING SURFACE 8 5/8" 1021

PRODUCTION 5 1/2" 1021

ELECTRICAL SURVEYS
By Nobors Completion & Production Services Co.
DIL, GDL, CBL, MEL

FORMATION TOPS

LOG

SAMPLES

anhydrite	1623	+ 978	
Base anhydrite	1051	+ 950	
Hebner	3211	- 1210	
Iron to	3226	- 1225	
Admixing	3275	- 1274	
Base Kansas City	3493	- 1492	
Arbuckle	3551	- 1550	
RTD	3620	- 1619	
LTD	3619	- 1618	

REMARKS

Recommendations, 5 1/2" production casing was set & cemented on the Kenneth Axman #1.

Respectfully Submitted,
James C. Musgrove
Petroleum Geologist

LEGEND

Anhydrite	Salt	Sandstone	Shale	Curb sh	Limestone	Ool. Lime	Chert	Dolomite

DRILLING TIME
Logarithmic Scale

ADOTC
HLC

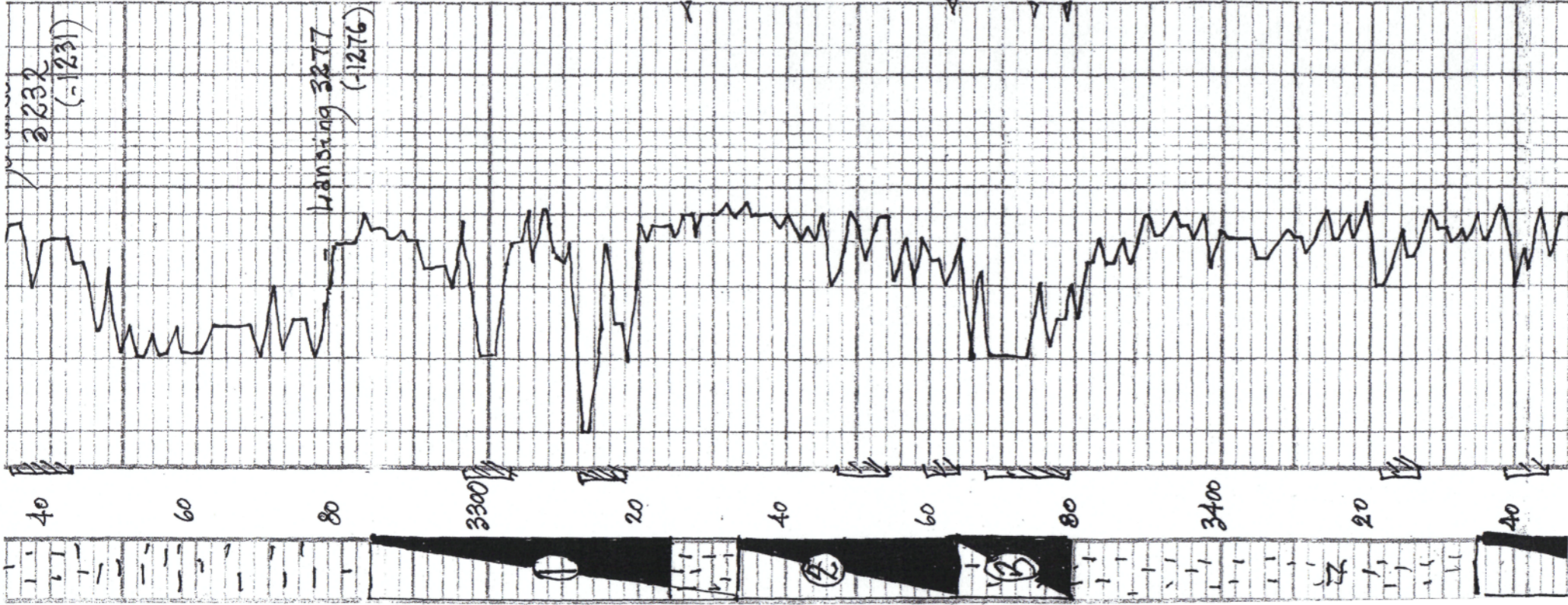
LITHOLOGY	DEPTH	DRILLING TIME Logarithmic Scale										SAMPLE DESCRIPTIONS	REMARKS
		.5	1	2	3	4	5	10	15	20	30		
													2001 KB -
	20												
	40												
	60												
	80												
	100												
	200												
	220												
	240												
	260												
	280												
	300												
	320												
	340												
	360												
	380												
	400												
	420												
	440												
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	800												
	820												
	840												
	860												
	880												
	900												
	920												
	940												
	960												
	980												
	1000												

ls, gm; wh, fxl, chky,
 few foss; gran in part

ca) br. gm Δ

ca

100
 200
 300
 400
 500
 600
 700
 800
 900
 1000

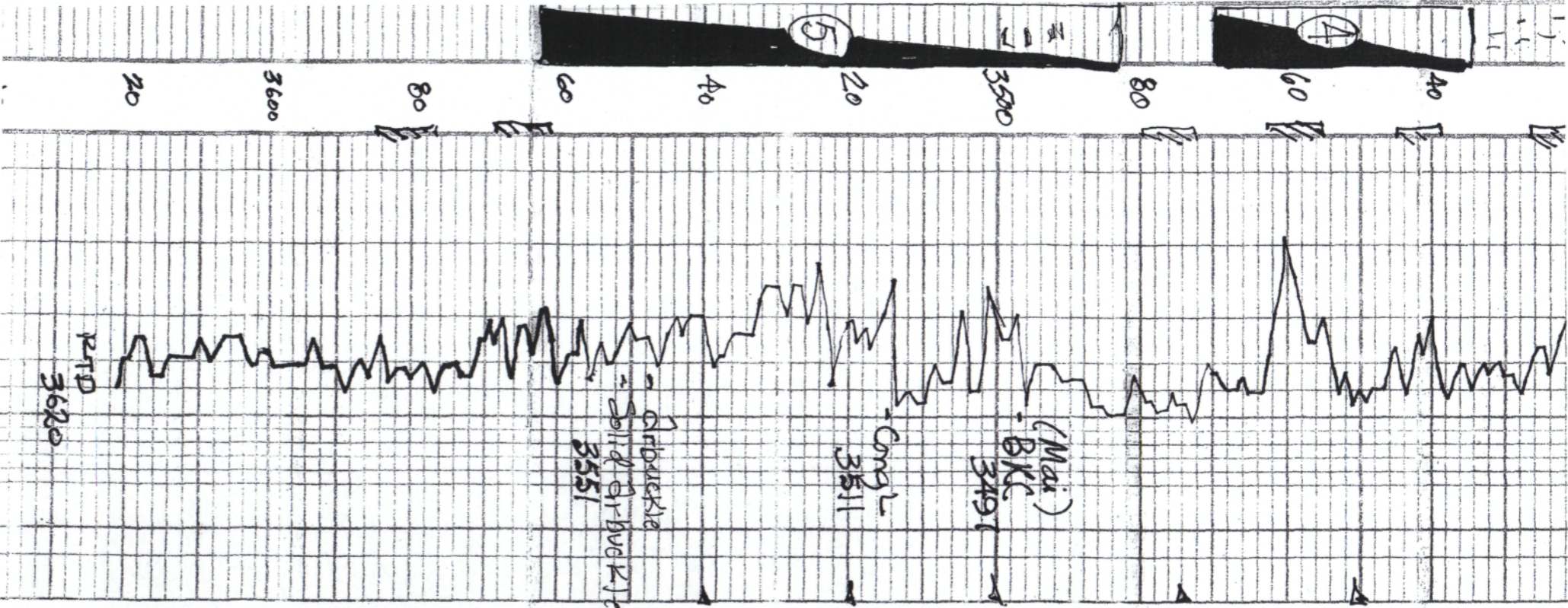


LS, w/ con, fxy, chiky, dolomite
 e base; tr. str, Jr. f. (heavy
 no odor
 Mark's green - rusty brown;
 shale
 ??
 LS, w/ gray, dolomite
 ??
 LS, cream, tan, oil, oom, Chiky
 tr. brown str, 25%
 no odor
 LS, w/ cream, oom, Chiky, poor str
 poor 50, no odor
 w/ gray, tan, fxy, Chiky - 4y
 (dense)
 LS, tan, highly oil, tr. good
 good str / 50, good str, fxy, fxy-odor
 no odor
 LS, w/ tan, oom, good oom, o
 Chiky, Jr. str, Jr. f., ??? odor
 LS, w/ tan, Chiky - dense
 ??
 BK carb. sh.
 LS, tan, sub, oom, Chiky, oil
 no/cream, w/ oil, Chiky
 In str. In Lr, odor

DSC#1 3284
 30-30-45-45-332
 Blow, w/ con
 REC: 110' mud cut w
 (15% mud) 85% w
 PRESSURE, ISIP 957 f
 fsp 918
 ISIP 13-38
 fsp 39-67
 HSH
 1614-1552

DSC#2 3334-3
 30-30-45-45
 Blow, strmg (BOB 7
 2nd
 opening, strmg COB 3
 REC: 34' clean gas
 58' oil cut gas
 (20% gas) 20% oil, 60'
 PRESSURE, ISIP 812
 fsp 852 HSH
 ISIP 16-29 164
 fsp 39-47 -1

DSC#3 3364
 30-30-30-30-3379
 Blow, w/ con
 REC: 8' mud
 PRESSURE, ISIP 918
 fsp 863
 ISIP 15-16
 fsp 16-17
 HSH
 1600
 -1574



ls, tan, sub-conv. cherty sh

ms. gray, wh, oil, cherty, gr. sh, gr. fo, odor

ms. green, tan, ool, fr. oolms, fr. sh, gr. fo, sh. odor

ls, wh/gray, fr. cherty

ls, tan - gray, cherty - dense

gr. green sh

ls, wh/gray, fr. sh, cherty, poorly dev

ms. sh, prod. - wax - TUD

pebble/wh - brack + water sh

any/dolomite, r. water, dol. wh, gray, sue, SOBT, brown - blk, sh, gr, odor

ms. gray, poor of blue/gray sh, no free oil, ? r. odor, some gr. gray, fr. sh, few sandy + wash Δ, blk. sh, no free no odor

ms. wh/gray, fr. red, sh, sh, T. 1.0 + fr. sh

ms. gray, Δ, wh, cherty

Dst # 4 3434-2

30-30-30-45

Flow string (808)

F.T.S. 30 mins.

End opening string

(808 I.M)

Rec; 45' gassy oil

188' mud cut gas

(2570 gas) 5070 oil, 2570

219' gassy water cut

(3070 gas, 6070 oil, 1

30' very slightly oil &

muddy water

(570 oil, 750 water, 2

pressures) ISIP 830 P

ISIP 824

ISIP 78-201

ISIP 209-318

MSH

1718-1594

Dst # 5

3483-3563

30-30-30-45

Rec; 10' mud

pressures) ISIP 375

ISIP 508

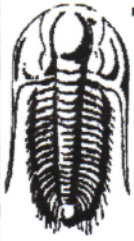
ISIP 17-31

ISIP 76-24

MSH

1754

-1694



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations
 8411 Preston Rd. Ste. 800
 Dallas, TX 75225
 ATTN: Jim Musgrove

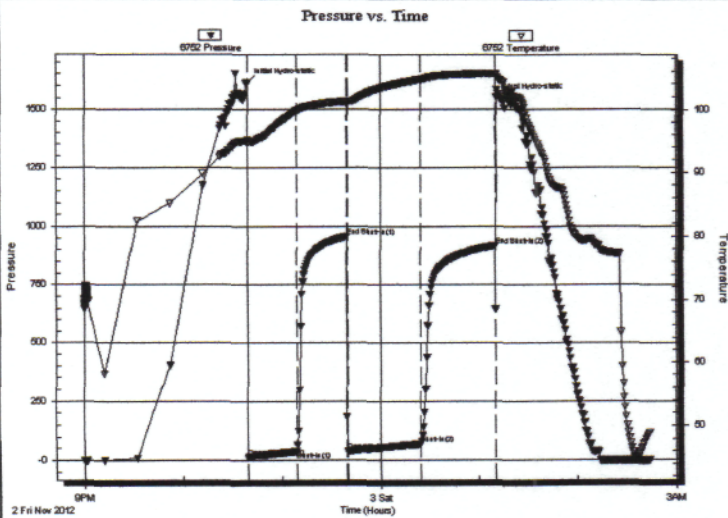
23-17s-15w Barton,KS
Kenneth Axman #1
 Job Ticket: 48637 **DST#: 1**
 Test Start: 2012.11.02 @ 21:00:00

GENERAL INFORMATION:

Formation: **LKC " B & C "**
 Deviated: **No** Whipstock: 1999.00 ft (KB)
 Time Tool Opened: 22:39:40
 Time Test Ended: 02:44:00
 Interval: **3284.00 ft (KB) To 3326.00 ft (KB) (TVD)**
 Total Depth: 3326.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 41
 Reference Elevations: 1999.00 ft (KB)
 1993.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 6752 **Inside**
 Press@RunDepth: 67.85 psig @ 3290.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.02 End Date: 2012.11.03 Last Calib.: 2012.11.03
 Start Time: 21:00:01 End Time: 02:43:40 Time On Btm: 2012.11.02 @ 22:39:20
 Time Off Btm: 2012.11.03 @ 01:10:40

TEST COMMENT: 30-IFP- Surface Blow Building to 6"
 30-ISIP- No Blow
 45-FFP- Surface Blow Building to 6 1/4"
 45-FSIP- No Blow



PRESSURE SUMMARY

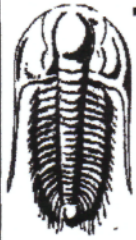
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.27	95.08	Initial Hydro-static
1	13.73	94.73	Open To Flow (1)
30	38.27	99.79	Shut-In(1)
60	957.46	101.35	End Shut-In(1)
61	39.45	101.25	Open To Flow (2)
105	67.85	104.72	Shut-In(2)
151	918.90	105.64	End Shut-In(2)
152	1550.87	105.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	MCW 15% m 85% w	1.54

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: Jim Musgrove

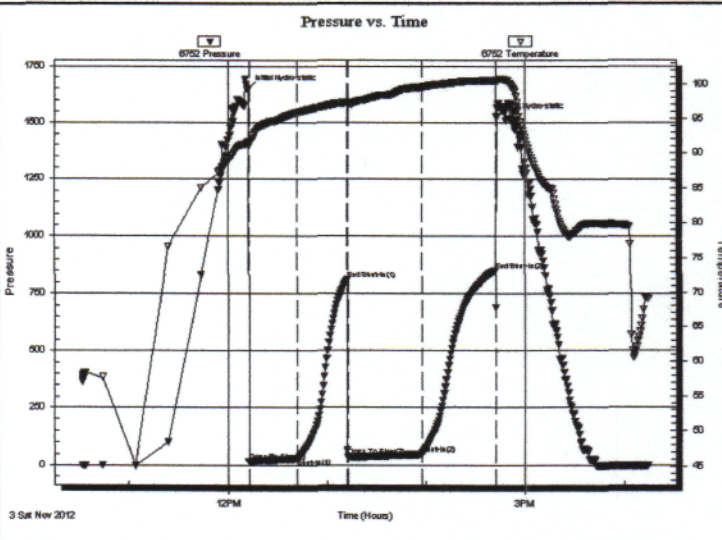
23-17s-15w Barton, KS
Kenneth Axman #1
Job Ticket: 48638 DST#: 2
Test Start: 2012.11.03 @ 10:32:00

GENERAL INFORMATION:

Formation: **LKC "E & F"**
Deviated: No Whipstock: 1999.00 ft (KB)
Time Tool Opened: 12:12:40
Time Test Ended: 16:15:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 41
Interval: **3334.00 ft (KB) To 3364.00 ft (KB) (TVD)**
Reference Elevations: 1999.00 ft (KB)
Total Depth: 3326.00 ft (KB) (TVD)
1993.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 6.00 ft

Serial #: 6752 Inside
Press@RunDepth: 47.93 psig @ 3361.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.11.03 End Date: 2012.11.03 Last Calib.: 2012.11.03
Start Time: 10:32:01 End Time: 16:14:20 Time On Btm: 2012.11.03 @ 12:12:20
Time Off Btm: 2012.11.03 @ 14:42:40

TEST COMMENT: 30-IFP- BOB in 7 min.
30-ISIP- Surface Blow Building to 3/4" in 7 min. Died Back in 14 min.
45-FFP- BOB in 30 sec
45-FSIP- Surface Blow Building to 10" in 27 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.57	91.51	Initial Hydro-static
1	16.72	91.07	Open To Flow (1)
30	29.17	95.90	Shut-In(1)
60	812.60	97.32	End Shut-In(1)
61	39.25	97.22	Open To Flow (2)
105	47.93	99.48	Shut-In(2)
150	852.87	100.46	End Shut-In(2)
151	1525.78	100.55	Final Hydro-static

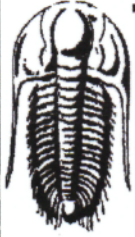
Recovery

Length (ft)	Description	Volume (bbl)
34.00	Gassy CO 30%g 70%o	0.48
58.00	Gassy OCM 20%g 20%o 60%m	0.81
0.00	1084 GIP	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
8411 Preston Rd. Ste. 800
Dallas, TX 75225
ATTN: Jim Musgrove

23-17s-15w Barton, KS
Kenneth Axman #1
Job Ticket: 48639 **DST#: 3**
Test Start: 2012.11.03 @ 21:00:00

GENERAL INFORMATION:

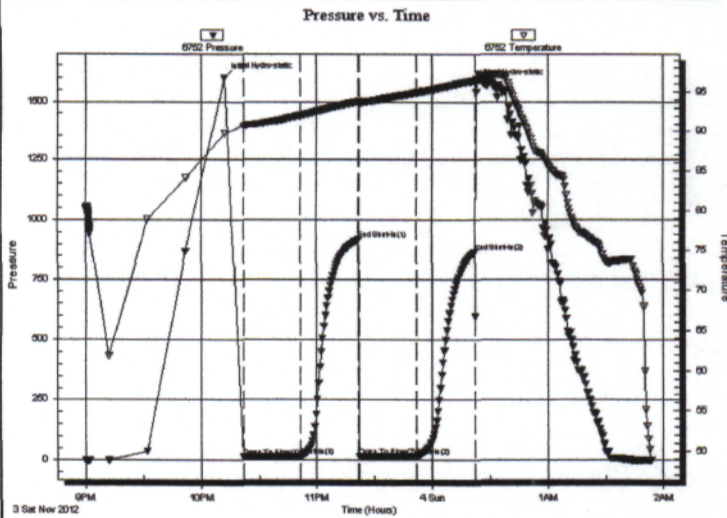
Formation: **LKC " G "**
Deviated: **No** Whipstock: **1999.00 ft (KB)**
Time Tool Opened: **22:22:00**
Time Test Ended: **01:54:00**
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Jim Svaty**
Unit No: **41**
Interval: **3364.00 ft (KB) To 3379.00 ft (KB) (TVD)**
Reference Elevations: **1999.00 ft (KB)**
1993.00 ft (CF)
Total Depth: **3379.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **6.00 ft**

Serial #: 6752

Inside

Press@RunDepth: **17.18 psig @ 3376.00 ft (KB)**
Start Date: **2012.11.03** End Date: **2012.11.04**
Start Time: **21:00:01** End Time: **01:54:00**
Capacity: **8000.00 psig**
Last Calib.: **2012.11.04**
Time On Btm: **2012.11.03 @ 22:12:00**
Time Off Btm: **2012.11.04 @ 00:22:40**

TEST COMMENT: 30-IFP- Good Surface Blow
30-ISIP- No Blow
30-FFP- Weak Surface Blow in 5 min.
30-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.33	89.69	Initial Hydro-static
10	15.03	90.78	Open To Flow (1)
40	16.29	92.11	Shut-In(1)
70	918.08	93.85	End Shut-In(1)
70	16.24	93.74	Open To Flow (2)
100	17.18	94.94	Shut-In(2)
130	863.14	96.43	End Shut-In(2)
131	1574.16	96.61	Final Hydro-static

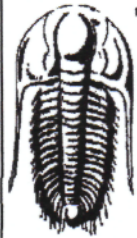
Recovery

Length (ft)	Description	Volume (bbl)
8.00	MUD	0.11

* 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: Jim Musgrove

23-17s-15w Barton, KS
Kenneth Axman #1
 Job Ticket: 48640 **DST#: 4**
 Test Start: 2012.11.04 @ 11:35:00

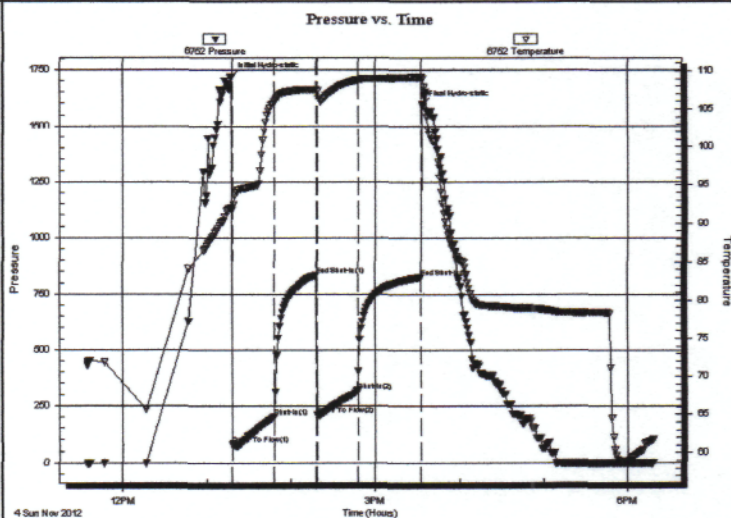
GENERAL INFORMATION:

Formation: **LKC "I & J"**
 Deviated: **No Whipstock: 1999.00 ft (KB)**
 Time Tool Opened: 13:18:00
 Time Test Ended: 18:19:00
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Jim Svaty**
 Unit No: **41**
 Interval: **3434.00 ft (KB) To 3470.00 ft (KB) (TVD)**
 Total Depth: **3470.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Reference Elevations: **1999.00 ft (KB)**
1993.00 ft (CF)
 KB to GRVCF: **6.00 ft**

Serial #: 6752 Inside

Press@RunDepth: **318.51 psig @ 3467.00 ft (KB)**
 Start Date: **2012.11.04** End Date: **2012.11.04** Capacity: **8000.00 psig**
 Start Time: **11:35:01** End Time: **18:17:40** Last Calib.: **2012.11.04**
 Time On Btm: **2012.11.04 @ 13:17:40**
 Time Off Btm: **2012.11.04 @ 15:33:20**

TEST COMMENT: 30-IFP- BOB in 1 min. GTS in 30 min
 30-ISIP- BOB in 2 min.
 30-FFP- BOB in 1 min.
 45-FSIP- BOB in 1 1/2 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.60	92.03	Initial Hydro-static
1	78.26	91.80	Open To Flow (1)
31	201.49	105.95	Shut-In(1)
61	833.37	107.53	End Shut-In(1)
61	209.05	107.41	Open To Flow (2)
90	318.51	108.80	Shut-In(2)
135	824.38	109.14	End Shut-In(2)
136	1594.72	109.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
451.00	Gassy CO 30%g 70%o	6.33
188.00	Gassy MCO 25%g 25%m 50%o	2.64
219.00	Gassy WCO 10%w 30%g 60%o	3.07
30.00	OMCW 5%o 20%m 75%w	0.42
0.00	GTS	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
8411 Preston Rd. Ste. 800
Dallas, TX 75225
ATTN: Jim Musgrove

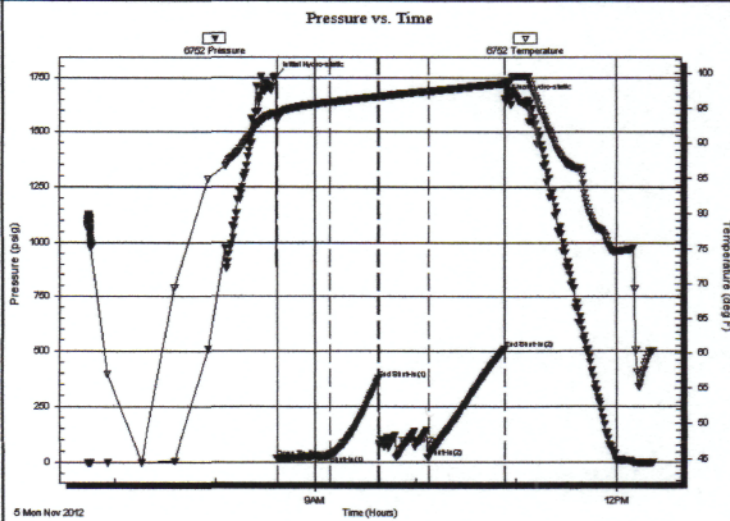
23-17s-15w Barton, KS
Kenneth Axman #1
Job Ticket: 48641 **DST#: 5**
Test Start: 2012.11.05 @ 06:44:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: 1999.00 ft (KB)
Time Tool Opened: 08:37:00
Time Test Ended: 12:22:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Jim Svaty
Unit No: 41
Interval: **3483.00 ft (KB) To 3563.00 ft (KB) (TVD)**
Reference Elevations: 1999.00 ft (KB)
Total Depth: 3563.00 ft (KB) (TVD)
1993.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 6.00 ft

Serial #: 6752 **Inside**
Press@RunDepth: 24.42 psig @ 3496.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.11.05 End Date: 2012.11.05 Last Calib.: 2012.11.05
Start Time: 06:44:01 End Time: 12:21:40 Time On Btm: 2012.11.05 @ 08:36:40
Time Off Btm: 2012.11.05 @ 10:53:20

TEST COMMENT: 30-IFP Surface Blow Building to 1 1/4"
30-ISIP- No Blow
30-FFP- Weak Surface Blow in 8 min.
45-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.25	94.30	Initial Hydro-static
1	17.73	93.32	Open To Flow (1)
33	31.77	95.84	Shut-In(1)
61	375.54	96.67	End Shut-In(1)
62	76.24	96.60	Open To Flow (2)
91	24.42	97.41	Shut-In(2)
137	508.78	98.50	End Shut-In(2)
137	1654.36	98.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MUD 100%	0.14

* 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. 8179

Date	11-6-12	Sec.	23	Twp.	17	Range	15	County	Barton	State	Ks	On Location	Finish	10:15 AM	
Lease								Kenneth Arman		Well No.		1			
Contractor								Southwind		Owner		W Ninto			
Type Job								Production		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.					
Hole Size				7 7/8"				T.D.		3620'					
Csg.				5 1/2" 11# New				Depth		3617.14'					
Tbg. Size								Depth		Charge To					
Tool										Main oil operations					
Cement Left in Csg.				20.18'				Shoe Joint		20.18'					
Meas Line				Displace				87 3/4 BLS		Cement Amount Ordered 160 sz 60140 10% Salt 601					
EQUIPMENT												Common			
Pumptrk		16		No.		Cementer		Travis		Helper		Poz. Mix			
Bulktrk		10		No.		Driver		Lannie M.		Driver		Gel.			
Bulktrk		pu.		No.		Driver		Rick		Driver		Calcium			
JOB SERVICES & REMARKS												Hulls			
Remarks:												Salt			
Rat Hole												Flowseal			
Mouse Hole												Kol-Seal			
Centralizers												Mud CLR 48			
Baskets												CFL-117 or CD110 CAF 38			
D/V or Port Collar												Sand			
Circulation pipe on bottom, break												Handling			
Circulation pump 1000 gal Mud												Mileage			
Clear 48, plug Rathole w/ 30 sz												FLOAT EQUIPMENT			
Hook to casing + mix 130 sz												Guide Shoe			
Cement, shut down wash pump +												Centralizer 10 turbo's			
lines. Released plug + displaced												Baskets			
w/ 87 3/4 BLS of water.												AFU Inserts			
Released + hold.												Float Shoe			
Lift pressure 600 #												Latch Down			
Land plug to 1500 #															
												Pumptrk Charge			
												Mileage			
												Tax			
												Discount			
X Signature												Total Charge			