



KANSAS CORPORATION COMMISSION 1161096
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1161096

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	C & W Oil, LLC
Well Name	LeSage 3
Doc ID	1161096

All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity Log
Microresistivity Log
Dual Receiver Cement Bond

Form	ACO1 - Well Completion
Operator	C & W Oil, LLC
Well Name	LeSage 3
Doc ID	1161096

Tops

Name	Top	Datum
Anhydrite	1704	+429
Base of Anhydrite	1736	+397
Topeka	3111	-978
Heebner Shale	3314	-1181
Toronto	3337	-1204
Lansing	3353	-1220
Base of Kansas City	3550	-1417
Marmaton	3586	-1453
Arbuckle	3592	-1459
RTD	3675	

Form	ACO1 - Well Completion
Operator	C & W Oil, LLC
Well Name	LeSage 3
Doc ID	1161096

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	3349-3342	250 gal 15% MCA	3604-3614
2	3355-3357	250 gal 15% MCA	3534-3537
2	3432-3435	250 gal 15% MCA	3432-3435
2	3534-3537	250 gal 15% MCA	3355-3357
2	3604-3614	250 gal 15% MCA	3339-3342
		500 gal 15% MCA	3604-3614
		500 gal 15% MCA	3534-3537
		500 gal 15% NE	3432-3435
		500 gal 15%NE/500 gal 15% NE	3355-3357, 3339-3342

Randall Kilian Corporation

Geologist



**Certified Petroleum
Geologist #3351
License #224**

P.O. Box 26
Hays, Kansas 67601-0026
Phone: 785-628-6061
Cell: 785-635-1349

GEOLOGIST'S WELL REPORT

COMPANY C & W OIL, LLC (34921)

WELL LeSage #3

FIELD LeSage

LOCATION (legal) Ap. SE NW SW NE

(1750' FNL & 2150' FEL)

Section 18 TWP 7S RGE 20W

(Map) 8 mi N of Damar, Ks.

COUNTY Rooks STATE Kansas

ELEVATION: 2133' K.B., 2128' G.L.

Depths measured from Kelly Bushing

A. P. I. NUMBER 15-163-24129

GEOLOGY BY Randall Kilian

PERTINENT WELL DATA

CONTRACTOR Murfin Drilling Co., Inc. (30606)

RIG #16 HYDRAULICS D-375 6x14x60
(Andy Dinkel TP)

DRILL PIPE 4 1/2" X-H COLLARS 6 1/2" 17 (505')

CASING: SURFACE 8 5/8" @ 221' w/ 150 sx Common

PRODUCTION 5 1/2" @ 3672' w/ 150 sx Common
DV @ 2075' cemented to surface

DRILLING FLUID: COMPANY Morgan Mud, Inc.
(Cade Lines)

TYPE: Chemical

REMARKS: Full service

DRILL STEM TESTS: COMPANY Trilobite Testing, Inc.
(Cody Bloedorn)

NUMBER OF TESTS Two (2)

ELECTIC LOGS: COMPANY Pioneer Wireline, LLC

DETAIL (5") 3000' - RTD

TYPE DI, Comp. N-D, Micro

DRILLING TIME FROM 3050' TO RTD

SAMPLE TIME FROM 3050' TO RTD

SUPERVISION FROM 3050' TO RTD

VERTICAL DEVIATION 1°@ 222', 3/4°@ 2415',
3/4°@ 3405', 1°@ 3675'

PLUGGING REPORT 30 sx Rat, 15 sx Mouse

RESERVE PIT 1000 bbls., Chl. 1000

DRILL STEM TESTS

NO	INTERVAL	IFF/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	TOP-C 3311- 3405'	49# 50# 5"	622# 60"	53# 61# 30"	517# 30"	1644# 1640#	10' SI,O,C,Mud 5% O
2	LRc D-G 3401- 3460'	35# 54# 5"	505# 60"	54# 124# 60"	493# 90"	1674# 1628#	15' Oil 154' O,C,Mud 62' O,C,W,Mud
3							
4							
5							
6							
7							
8							

Displaced

\$6490.

LCM 2#

MUD RECORD

CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2878'					
2	3090'	8.8	53			
3	3185'	8.9	52			
4	3270'	8.9	53			
5	3382'	8.8	43	9.2	1.1k	11
6	3460'	9.0	62	7.6	1.1k	20
7	3550'	9.2	63			
8	3675'	9.2	63			
9						
10						
11						

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH	FEET	HOURS
1	12 1/4"	Varel	CH1GMS	222'	222'	2
2	7 7/8"	HITCo.	GX20C	3675'	3453'	65
3						
4						
5						
6						
7						

SUMMARY

The LeSage #3 well was drilled with Murfin Drilling tools rig #16 beginning August 1, 2013 and drilling was completed August 7, 2013.

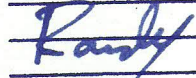
The drill site was located via a 3-D seismic survey.

The well ran 1-6' low structurally to the LeSage #1 and 1-3' high to the Bach Ilene #2 well west.

Based upon DST #2 and the electric log data, 5½" casing was set and cemented to further test and produce the well.

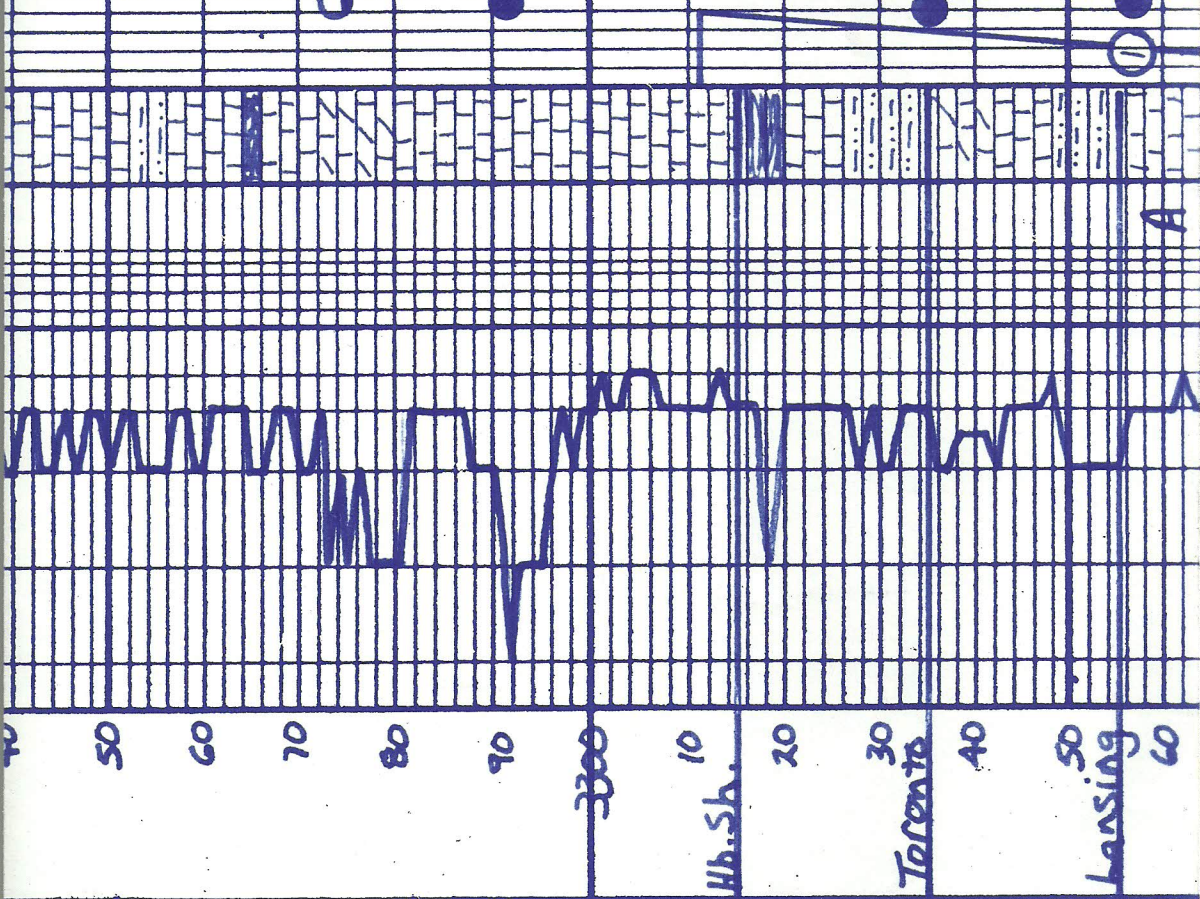
Recommended perfs: Arb. 3595-3614', LKc L 3542-45',
K 3533-37', I 3504-07', G 3444-51',
F 3432-36', A 3353-57', Tor. 3338-41'

Respectfully,

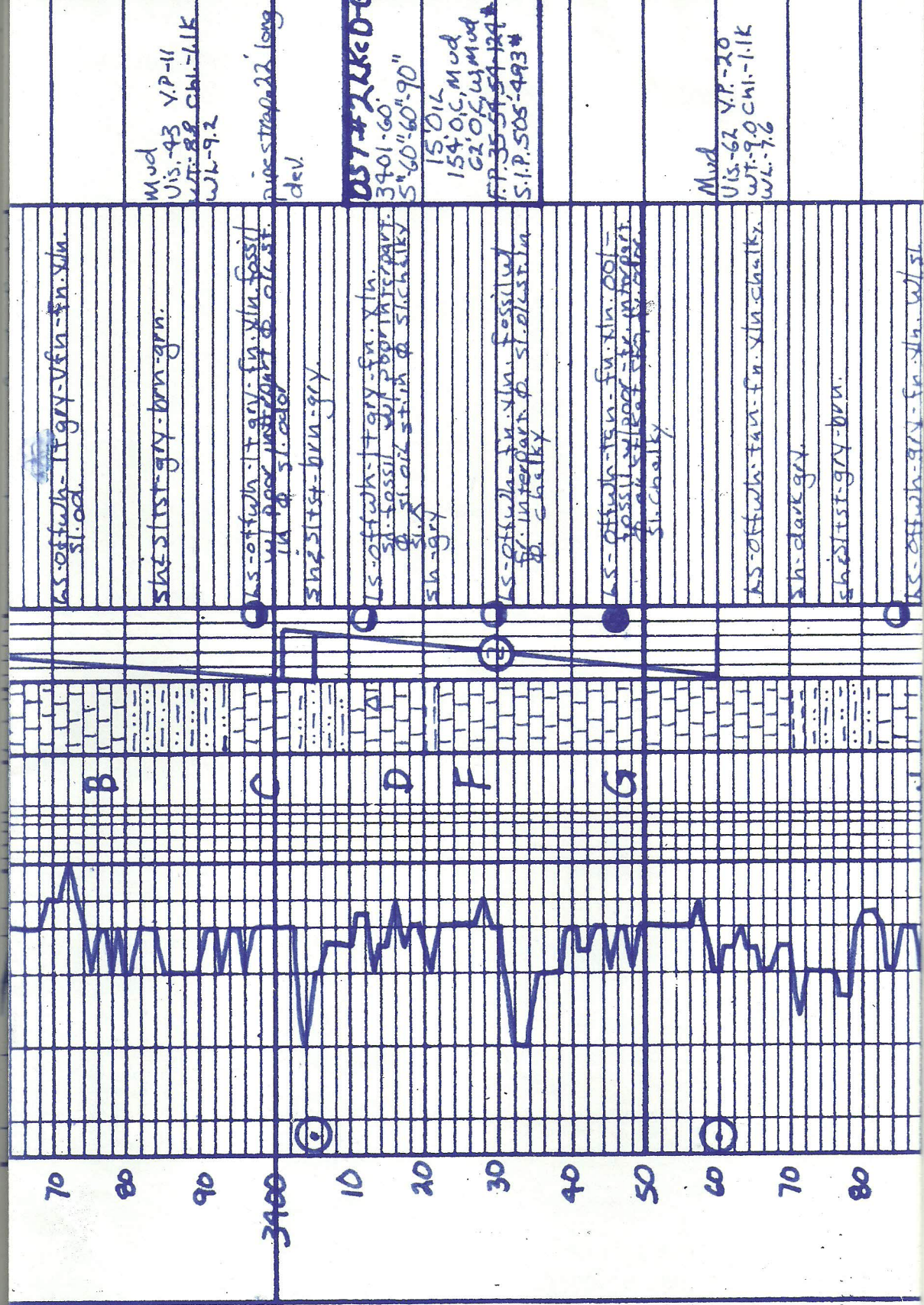

Randall Kilian

Mud
 U.S. - 53
 WT. - 8.9.
 geo. loc. location
 90:00 am 8-4-13
 DST #1 101-C
 3311-3405
 S. 60° 30' 30"
 10 S, O, C, MUD
 F.P. 49-50, 53, 61*
 S.I.P. 622-517 #

Sh. sltst. gry-brn
 Sh. blk. fissile
 LS-dolo. tan. gry-fn. xln. fossil. w/ 1/2 in. part of or. st. w/ ch. sh. chalky
 LS-ft. gry. obl. fossil. w/ 1/2 in. part of or. st. sat. sh. sfb. (dead, blk.)
 Sh. blk. carb. fissile
 LS-tan. fn. xln.
 Sh. sltst. gry-brn-gry.
 LS-sl. dolo. offwh. - ft. gry-fn. xln. sl. ool. w/ poor interpart of or. st. sh. sfb. sl. odor.
 Sh. sltst. gry-brn-gry.
 LS-offwh. - fn. xln. fossil. ool. w/ poor interpart of or. st. sat. sfb. fr. odor. chalky.



100
 50
 60
 70
 80
 90
 100
 Hb. Sh.
 10
 20
 30
 Toronto
 40
 50
 Lansing
 60



ls-offwh - 17' gry - fn. xln. sl. od.

sh - sl - st - gry - brn - grn.

ls - offwh - 17' gry - fn. xln. fossil w/ part interpart of sl. od.

sh - sl - st - brn - gry.

ls - offwh - 17' gry - fn. xln. sl. fossil w/ part interpart of sl. od. st. in & sh. chalky sl. - gry

ls - offwh - 17' gry - fn. xln. fossil w/ part interpart of sh. chalky

ls - offwh - 17' gry - fn. xln. fossil w/ part interpart of sh. chalky

ls - offwh - 17' gry - fn. xln. chalky

sh - dark gry.

sh - sl - st - gry - brn.

ls - offwh - 17' gry - fn. xln. w/ sl.

Mud
U.S. 43 V.P. - 11
WT. 8.8 CHI. - 1.1K
WL. 9.2

ins - trap 22' long
dev.

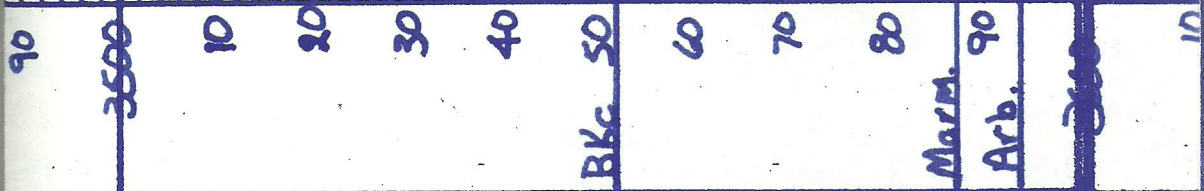
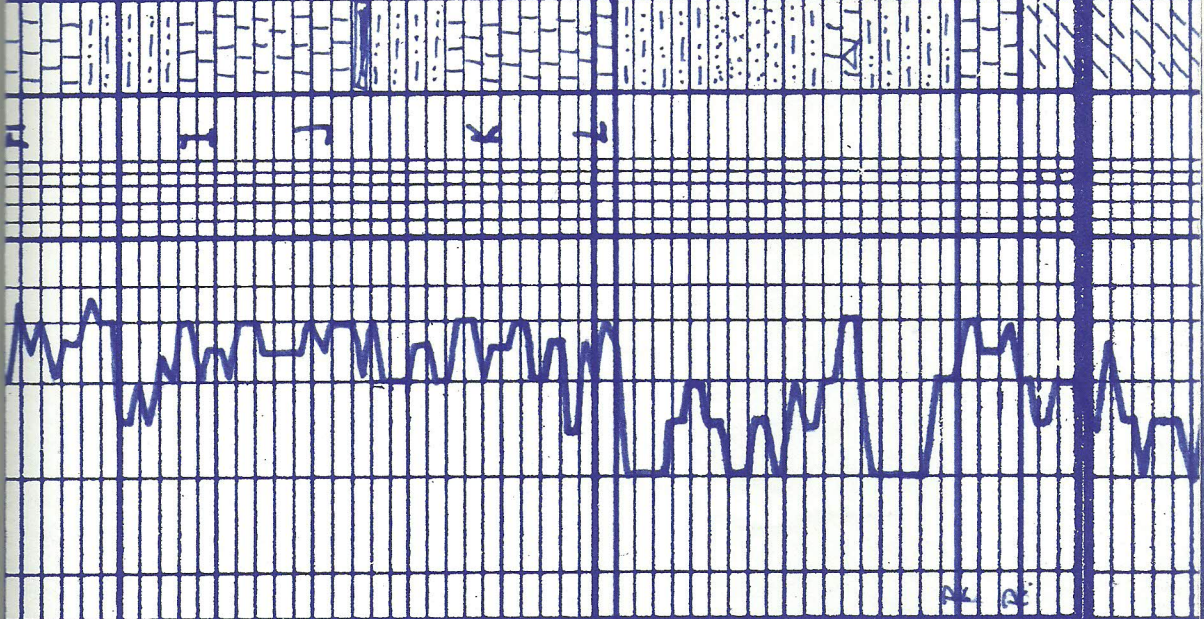
OST # 2 LK 0-G
3401-60.
5" 60" 60" 90"

15' Oil
154' Oil, Mud
62' Oil, w/ Mud
V.P. 35.54-124
S.I.P. 505-493

Mud
U.S. 62 V.P. - 20
WT. 9.0 CHI. - 1.1K
WL. 7.6

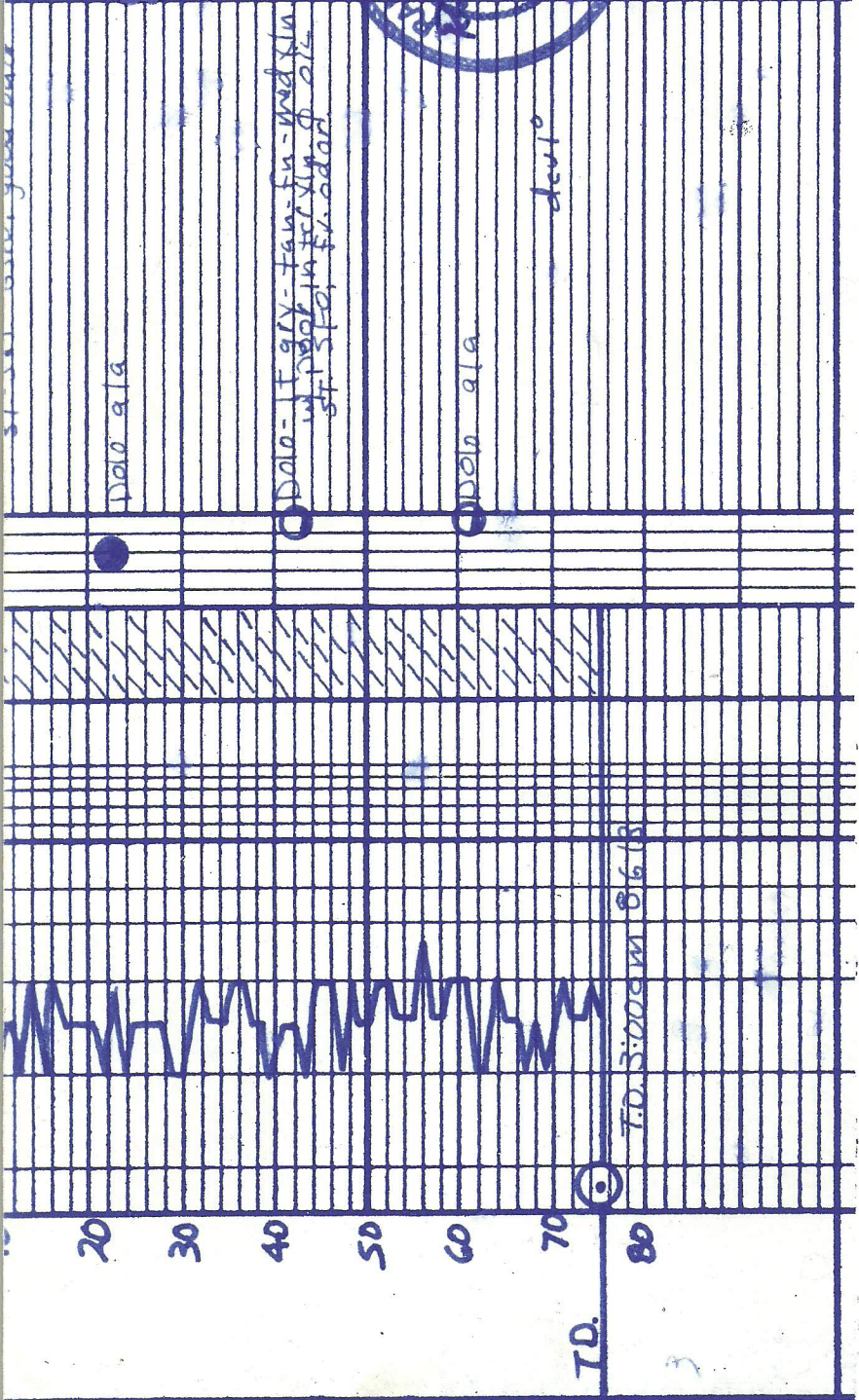
0.6 ST. 1A @ S. 100' @ 100' @ 100'

shstst-grn-brn-grn.
 ls-tan-fn-xln.ool-fossil w/ poor fr. interpart. vuggy @ oik-st-sat. sfo. fossiliferous.
 k5 a1 a
 sh-blk fissile
 shstst-grn-brn.
 ls-dolo. tan-fn-xln.ool poor fr. water in vuggy @ oik-st-sat. sfo. fossiliferous.
 k5 a1 a
 Mud
 Vis. - G3
 wt. - 9.2.
 wash red
 ls-tan-fn-xln. Δ
 shstst-red-brn-grn-grn. soft.
 ls-tan-brn-fn-xln. fossil w/ poor interpart. @ oik-st-sat.
 oolitic grn-fn-xln. w/ poor interpart. @ oik-st-sat.
 Dolo. tan-fn-xln. med xln. w/ fr. water in vuggy @ oik-st-sat.



90
 3500
 10
 20
 30
 40
 50
 60
 70
 80
 90
 10
 Bkg
 MarM.
 Arb.

Mod
UIS-63
wt-9.2 #
ASMA 2





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

C & W Oil LLC

18-7s-20w Rooks KS

Po box 4641 Sta B
Fort Smith AR, 72901

LeSage #3

Job Ticket: 53940

DST#: 1

ATTN: Randy Killian

Test Start: 2013.08.04 @ 20:19:00

GENERAL INFORMATION:

Formation: **Tor - C**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 23:29:45
Time Test Ended: 03:25:15

Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Cody Bloedorn**
Unit No: **53**

Interval: **3311.00 ft (KB) To 3405.00 ft (KB) (TVD)**
Total Depth: **3405.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2133.00 ft (KB)**
2128.00 ft (CF)
KB to GR/CF: **5.00 ft**

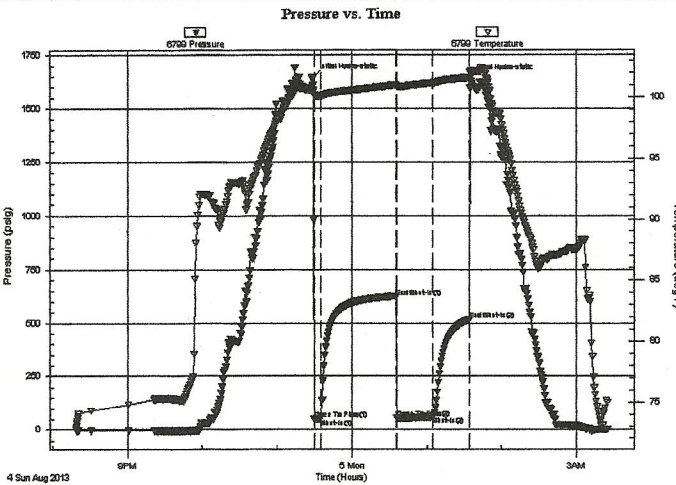
Serial #: 6799

Inside

Press@RunDepth: **61.67 psig @ 3381.00 ft (KB)**
Start Date: **2013.08.04** End Date: **2013.08.05**
Start Time: **20:19:00** End Time: **03:25:15**

Capacity: **8000.00 psig**
Last Calib.: **2013.08.05**
Time On Btm: **2013.08.04 @ 23:29:15**
Time Off Btm: **2013.08.05 @ 01:35:00**

TEST COMMENT: 05 - IF- 1/4" blow
60 - IS- No return
30 - FF- No blow
30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.79	100.61	Initial Hydro-static
1	49.04	100.18	Open To Flow (1)
6	50.97	100.09	Shut-In(1)
67	622.85	101.01	End Shut-In(1)
67	53.16	100.87	Open To Flow (2)
96	61.67	101.19	Shut-In(2)
125	517.03	101.62	End Shut-In(2)
126	1640.66	102.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSCOM, 5%O, 95%M	0.05

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

C & W Oil LLC

18-7s-20w Rooks KS

Po box 4641 Sta B
Fort Smith AR, 72901

LeSage #3

Job Ticket: 53941

DST#: 2

ATTN: Randy Killian

Test Start: 2013.08.05 @ 10:25:00

GENERAL INFORMATION:

Formation: **LKC "D-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:12:45

Time Test Ended: 17:42:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 53

Interval: **3401.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Total Depth: **3460.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2133.00 ft (KB)

2128.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6799**

Inside

Press@RunDepth: 124.17 psig @ 3440.00 ft (KB)

Start Date: 2013.08.05

End Date:

2013.08.05

Start Time: 10:25:00

End Time:

17:42:45

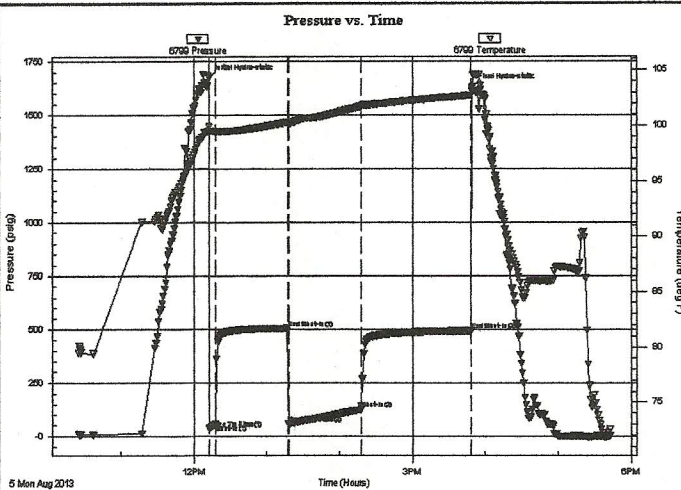
Capacity: 8000.00 psig

Last Calib.: 2013.08.05

Time On Btm: 2013.08.05 @ 12:12:30

Time Off Btm: 2013.08.05 @ 15:48:45

TEST COMMENT: 05 - IF- 3" blow
60 - IS- No return
60 - FF- B.O.B. in 26 minutes
90 - FS- Surface return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.46	99.90	Initial Hydro-static
1	35.94	99.46	Open To Flow (1)
6	54.21	99.41	Shut-In(1)
65	505.46	100.29	End Shut-In(1)
66	54.61	100.19	Open To Flow (2)
125	124.17	101.70	Shut-In(2)
216	493.09	102.73	End Shut-In(2)
217	1628.81	103.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCWM, 20%O, 30%W, 50%M	0.61
154.00	OCM, 20%O, 80%M	2.16
15.00	Free Oil, 100%O	0.21

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 53941

Printed: 2013.08.05 @ 17:52:15

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. 7996

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-1-13	18	7	20	ROOKS	KS		4:00 p.m.

Location *Dumas N Hwy 24 3 1/2 Winto*

Lease <i>Lesage</i>	Well No. <i>3</i>	Owner
Contractor <i>Murphy #16</i>		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 <i>Surface</i>		
Hole Size <i>12 1/4</i>	T.D. <i>222</i>	Charge To <i>CLW</i>
Csg. <i>8 5/8</i>	Depth <i>221</i>	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. <i>15</i>	Shoe Joint	Cement Amount Ordered <i>150 Com 3 1/2 CC 2 1/2 BCL</i>
Meas Line	Displace <i>13 BCL</i>	

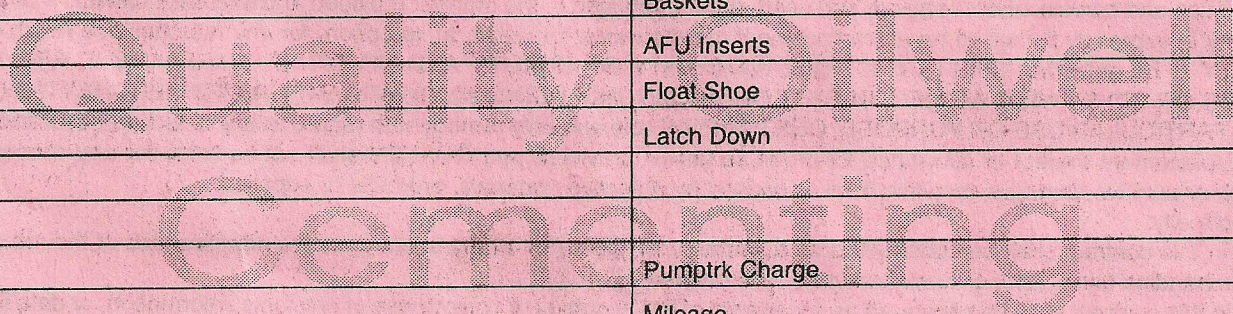
EQUIPMENT			Common
Pumptrk <i>17</i>	No.	Cementer <i>Loig</i> Helper	Poz. Mix
Bulktrk	No.	Driver <i>Loig</i>	Gel.
Bulktrk <i>19</i>	No.	Driver <i>Duro</i> Driver	Calcium

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
<i>8 5/8 on bottom ES Circulation Mix</i>		Handling
<i>150 Com Displace</i>		Mileage

FLOAT EQUIPMENT	
<i>Smart Cementation</i>	Guide Shoe
	Centralizer <i>8 5/8 Swagel</i>
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

	Tax
	Discount
	Total Charge

X Signature *Ag. Leibel*



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. 7437

Date	8-6-13	Sec.	18	Twp.	7	Range	20	County	Rooks	State	KS	On Location		Finish	7:45 PM
------	--------	------	----	------	---	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Location *Damar N to 24 Ave 3 1/2 N, Wn 2*

Lease	<i>Le Sage</i>	Well No.	<i>3</i>	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	<i>Murfin 16</i>			Charge To	<i>C & W Oil, LLC</i>
Type Job	<i>Bottom Stage</i>	T.D.	<i>3675</i>	Street	
Hole Size	<i>7 7/8</i>	Depth	<i>3761</i>	City	State
Csg.	<i>5 1/2 #15.5</i>	Depth	<i>3683</i> ←	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered <i>150 SX Common 10% salt</i>	
Tool		Depth		Cement Amount Ordered <i>5% Gilsonite</i>	
Cement Left in Csg.		Shoe Joint	<i>14.80</i>		
Meas Line		Displace	<i>87 1/4 bbl</i>		

EQUIPMENT

Pumptrk	<i>17</i>	No.	Cementer	
			Helper	<i>Cody</i>
Bulktrk	<i>14</i>	No.	Driver	<i>Heath</i>
			Driver	<i>Duge</i>
Bulktrk	<i>P4</i>	No.	Driver	<i>Travis</i>
			Driver	

Common	
Poz. Mix	
Gel.	
Calcium	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers *1, 2, 4, 5, 7, 8, 9, 11, 49* ^{DV Tool}

Baskets *2, 36*

D/V or Port Collar *DV at 2189 at top of 37*

pipe on bottom broke circulation.

Pumped 500 gal Mud CLR 48 with 10 bbl fw behind it Mixed 150 SX com 10% salt

5% Gilsonite shut down washed pump and lines Released Plug and displaced with 35 bbl fw and 45 bbl mud and 8 1/2 bbl fw to land Plug. Plug landed and held

lift pressure at 800 PSI

plug landed at 1300 PSI

Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	<i>500 gal</i>
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	<i>8 turbos</i>
Baskets	<i>2</i>
AFU Inserts	
Float Shoe	<i>with ball</i>
Latch Down	<i>with plug</i>
D/V Tool	
Pumptrk Charge	
Mileage	

X Signature *[Signature]*

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. 7438

Date	8-6-13	Sec.	18	Twp.	7	Range	20	County	Rooks	State	KS	On Location		Finish	9:15 PM
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Location *Damar N to 24 Hwy, 3 1/2 N, Wn 2*

Lease	<i>Lesage</i>	Well No.	3	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	<i>Murfin 16</i>			Charge To	<i>C & W Oil LLC</i>
Type Job	<i>Top stage</i>	T.D.	<i>3675</i>	Street	
Hole Size	<i>7 7/8</i>	Depth	<i>3683</i>	City	State
Csg.	<i>5 1/2 #155</i>	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered <i>480 SX QMDC 1/4 #10</i>	
Tool		Depth		Shoe Joint <i>DV at 2189</i>	
Cement Left in Csg.		Displace	<i>52 1/2 bbl</i>	Meas Line	

EQUIPMENT

Pumptrk	17	No.	Cementer		Common
			Helper	<i>Cody</i>	Poz. Mix
Bulktrk	12	No.	Driver		Gel.
			Driver	<i>Doug Heath</i>	Calcium
Bulktrk	14	No.	Driver		
			Driver	<i>Travis</i>	

JOB SERVICES & REMARKS

Remarks:		Hulls
Rat Hole	<i>30</i>	Salt
Mouse Hole	<i>15</i>	Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar	<i>DV at 2189</i>	CFL-117 or CD110 CAF 38
	<i>dropped dart, opened DV tool plug, Rat hole with 30 SX and mouse hole with 15 SX mixed 390 SX down 5 1/2 to circuit. Shut down washed pump and lines Rechecked plug and displaced with 52 1/2 bbl plug landed and held</i>	Sand
		Handling
		Mileage
		FLOAT EQUIPMENT
		Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
	<i>lift pressure 200 psi</i>	
	<i>plug landed at 1200 psi</i>	
	<i>J. Hall</i>	Pumptrk Charge
		Mileage
		Tax
		Discount
		Total Charge

X Signature