



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220294
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: _____

1220294

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
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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				

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

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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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. 7803

Date	6-15-14	Sec.	17	Twp.	8	Range	25	County	Graham	State	Ks	On Location		Finish	2:15 pm
Lease	Rich Meier			Well No.	A		Owner	To Booster Station Nito							
Contractor	American Eagle			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	Surface														
Hole Size	1 7/8		T.D.	222		Charge To Blake exploration									
Csg.	8518		Depth												
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint	Cement Amount Ordered 150 39000 390											
Meas Line			Displace	13 BBL		Gel									
EQUIPMENT														Common 150	
Pumptrk	17	No.	Cementer/Helper	Jm H		Poz. Mix B									
Bulktrk	15	No.	Driver	Doug		Gel. 3									
Bulktrk	24	No.	Driver	Clayton		Calcium 5									
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		
Cement added Circulate by Hank Jen														Handling 158	
														Mileage	
FLOAT EQUIPMENT															
														Guide Shoe	
														Centralizer	
														Baskets	
														AFU Inserts	
														Float Shoe	
														Latch Down	
														Pumptrk Charge Surface	
														Mileage 17	
														Tax	
														Discount	
														Total Charge 4052.61	
X Signature	Doubt														

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 251

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

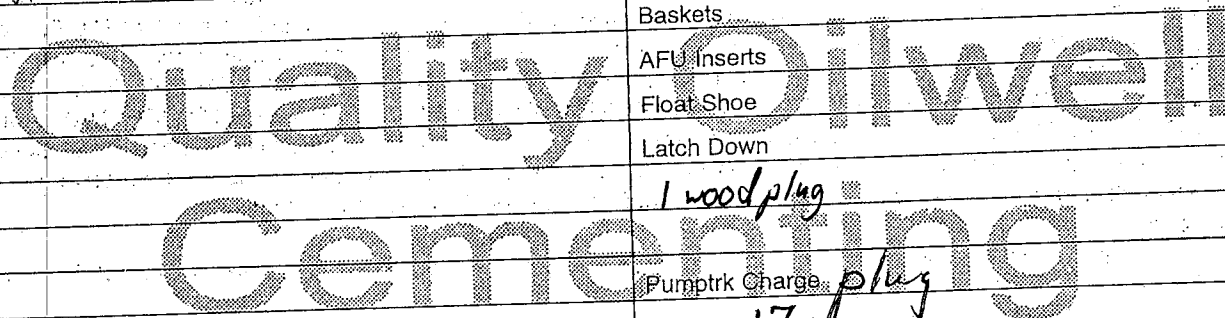
Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-22-14	17	8	25	Graham	KS		5:30pm
				Location <i>Moreland & 24, 3W to Rooster station, Nn2</i>			

Lease <i>Richmeier</i>	Well No. <i>1</i>	Owner
Contractor <i>American Eagle</i>	<i>3</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>Plug</i>		Charge To <i>Blake Exploration</i>
Hole Size <i>7 7/8</i>	T.D.	
Csg.	Depth	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.	Shoe Joint	Cement Amount Ordered <i>205 sx 60/40, 1/4 # Flow, 2% gel</i>

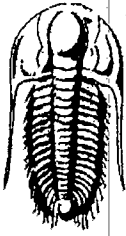
Meas Line	Displace	Common
EQUIPMENT		<i>123</i>
Pumptrk <i>17</i>	No. Cementer Helper <i>Lonnie W.</i>	Poz. Mix <i>82</i>
Bulktrk <i>1</i>	No. Driver <i>NICK</i>	Gel. <i>7</i>
Bulktrk <i>PU</i>	No. Driver <i>TRAVIS</i>	Calcium

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal <i>50ft</i>
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<i>25 sx at 2145</i>		Handling <i>212</i>
<i>100 sx at 1285</i>		Mileage
<i>40 sx at 270</i>		
<i>10 sx at 40 with plug</i>		
<i>30 sx Rat</i>		

FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	<i>1 wood plug</i>
	Pumptrk Charge <i>plug</i>
	Mileage <i>17</i>



X Signature <i>Rich</i>	Tax
	Discount
	Total Charge



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration
201 south main steet
P.O. box 150
Boug Ks. 67625
ATTN:

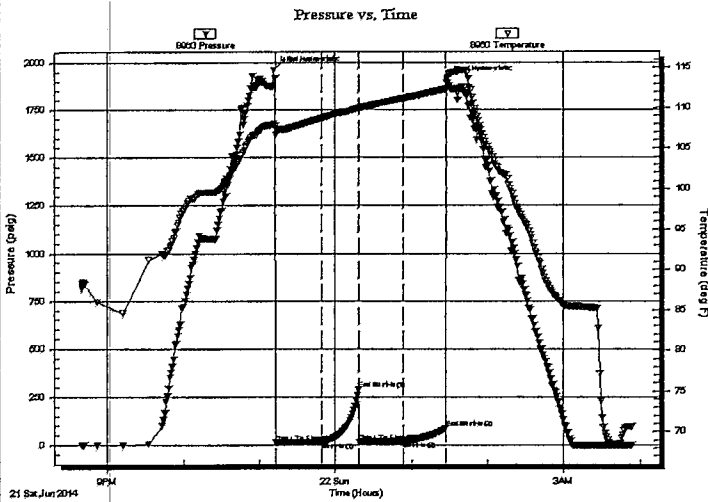
17 8s 25w Graham Ks
Richmeirer #1
Job Ticket: 58199 **DST#: 4**
Test Start: 2014.06.21 @ 20:40:00

GENERAL INFORMATION:

Formation: LKC-J,K
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:13:00
Time Test Ended: 03:54:00
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreuzer Jr.
Unit No: 61
Interval: 3860.00 ft (KB) To 3900.00 ft (KB) (TVD)
Reference Elevations: 2437.00 ft (KB)
Total Depth: 3900.00 ft (KB) (TVD) 2432.00 ft (CF)
Hole Diameter: 7.60 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8960 **Inside**
Press@RunDepth: 20.08 psig @ 3862.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.21 End Date: 2014.06.22 Last Calib.: 2014.06.22
Start Time: 20:40:00 End Time: 03:54:00 Time On Btrn: 2014.06.21 @ 23:11:30
Time Off Btrn: 2014.06.22 @ 01:28:00

TEST COMMENT: IF: Weak surface blow , Died in 30 mins.
IS: No blow back
FF: No blow
FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.86	107.93	Initial Hydro-static
2	12.83	106.63	Open To Flow (1)
38	16.73	108.67	Shut-In(1)
67	288.78	109.94	End Shut-In(1)
68	17.50	109.96	Open To Flow (2)
102	20.08	111.17	Shut-In(2)
136	88.50	112.34	End Shut-In(2)
137	1906.74	113.61	Final Hydro-static

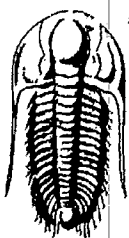
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil specs	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploration
201 south main street
P.O. box 150
Boug Ks. 67625
ATTN:

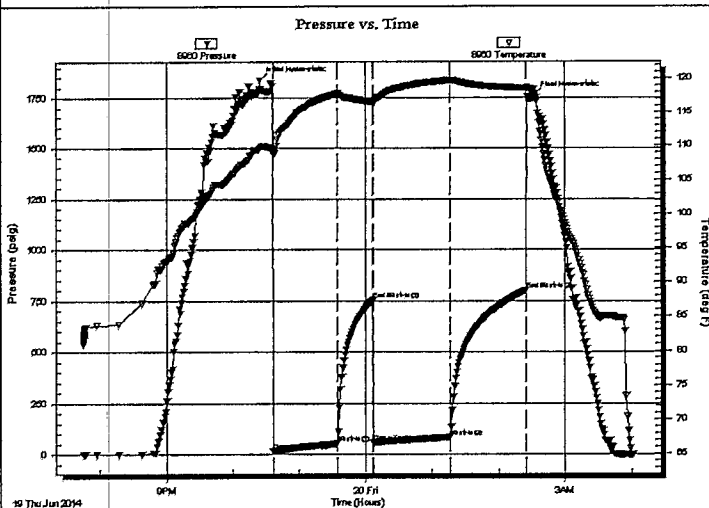
17 8s 25w Graham Ks
Richmeirer #1
Job Ticket: 58196 DST#: 1
Test Start: 2014.06.19 @ 19:45:00

GENERAL INFORMATION:

Formation: LKC-C
Deviated: No Whipstock ft (KB)
Time Tool Opened: 22:36:30
Time Test Ended: 04:01:30
Interval: 3730.00 ft (KB) To 3755.00 ft (KB) (TVD)
Total Depth: 3755.00 ft (KB) (TVD)
Hole Diameter: 7.60 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Kreutzer Jr.
Unit No: 61
Reference Elevations: 2437.00 ft (KB)
2432.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8960 Inside
Press@RunDepth: 83.80 psig @ 3732.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.19 End Date: 2014.06.20 Last Calib.: 2014.06.20
Start Time: 19:45:00 End Time: 04:01:30 Time On Btm: 2014.06.19 @ 22:24:30
Time Off Btm: 2014.06.20 @ 02:31:30

TEST COMMENT: IF: Weak blow , Built to 6 in. over 60 mins.
IS: No blow back
FF: Weak blow built to 3 in. over 60 mins.
FS: No blow back



PRESSURE SUMMARY

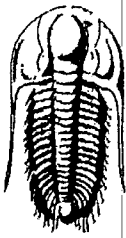
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1837.09	109.58	Initial Hydro-static
12	15.71	108.76	Open To Flow (1)
70	52.11	117.77	Shut-In(1)
102	753.97	116.55	End Shut-In(1)
103	55.95	116.12	Open To Flow (2)
172	83.80	119.74	Shut-In(2)
240	800.95	118.54	End Shut-In(2)
247	1758.36	118.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	w ater-100%w	1.68
30.00	mud-100%m	0.42
0.00	13000 chlorides 65*@.5=13000	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration

17 8s 25w Graham Ks

201 south main steet
P.O. box 150
Boug Ks. 67625
ATTN:

Richmeirer #1

Job Ticket: 58197

DST#: 2

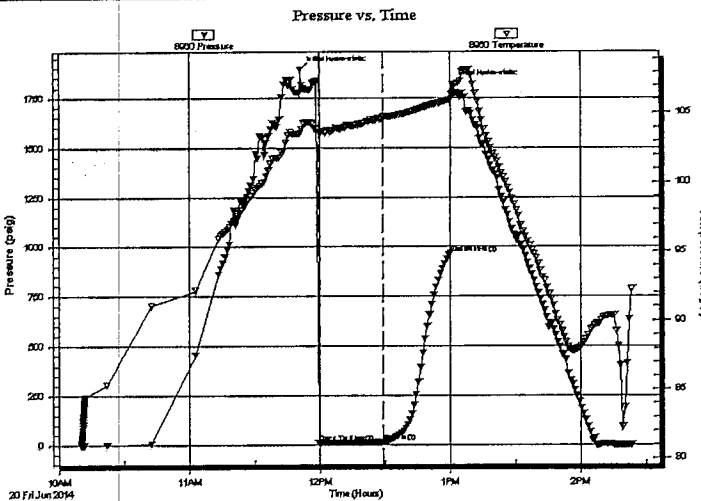
Test Start: 2014.06.20 @ 10:10:00

GENERAL INFORMATION:

Formation: LKC_E
Deviated: No Whipstock ft (KB)
Time Tool Opened: 11:59:30
Time Test Ended: 14:23:30
Interval: 3750.00 ft (KB) To 3770.00 ft (KB) (TVD)
Total Depth: 3770.00 ft (KB) (TVD)
Hole Diameter: 7.60 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreutzer Jr.
Unit No: 61
Reference Elevations: 2437.00 ft (KB)
2432.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8960 Inside
Press@RunDepth: 14.37 psig @ 3752.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.20 End Date: 2014.06.20 Last Calib.: 2014.06.20
Start Time: 10:10:00 End Time: 14:23:30 Time On Btrn: 2014.06.20 @ 11:51:00
Time Off Btrn: 2014.06.20 @ 13:01:00

TEST COMMENT: IF: Weak blow, Dead in 5 mins.
IS: No blow back
PULLED TOOL



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.11	103.56	Initial Hydro-static
9	10.54	103.62	Open To Flow (1)
38	14.37	104.69	Shut-In(1)
69	965.17	105.93	End Shut-In(1)
70	1816.06	106.53	Final Hydro-static

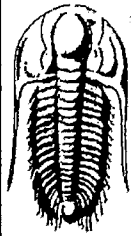
Recovery

Length (ft)	Description	Volume (bbt)
5.00	ocm-30% m70%	0.07

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration
 201 south main steet
 P.O. box 150
 Boug Ks. 67625
 ATTN:

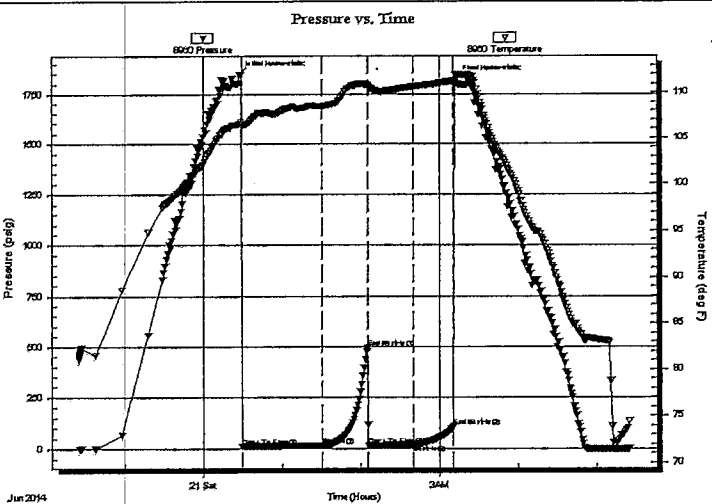
17 8s 25w Graham Ks
Richmeirer #1
 Job Ticket: 58198 **DST#: 3**
 Test Start: 2014.06.20 @ 22:25:00

GENERAL INFORMATION:

Formation: **LKC-F**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 00:29:30
 Time Test Ended: 05:25:00
 Interval: **3750.00 ft (KB) To 3800.00 ft (KB) (TVD)**
 Total Depth: **3800.00 ft (KB) (TVD)**
 Hole Diameter: **7.60 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Chuck Kreutzer Jr.**
 Unit No: **61**
 Reference Elevations: **2437.00 ft (KB)**
 2432.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8960 **Inside**
 Press@RunDepth: **17.90 psig @ 3752.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2014.06.20** End Date: **2014.06.21** Last Calib.: **1899.12.30**
 Start Time: **22:25:00** End Time: **05:25:00** Time On Btrm: **2014.06.21 @ 00:27:30**
 05:25:00 Time Off Btrm: **2014.06.21 @ 03:12:30**

TEST COMMENT: IF: Weak surface blow over 60 mins.
 IS: No blow back over 30 mins.
 FF: No blow
 FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1846.43	106.43	Initial Hydro-static
2	11.95	106.36	Open To Flow (1)
63	14.99	108.46	Shut-In(1)
98	495.09	110.79	End Shut-In(1)
99	15.04	110.49	Open To Flow (2)
133	17.90	110.62	Shut-In(2)
163	108.27	111.24	End Shut-In(2)
165	1819.51	111.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	ocm-40%o60%m	0.21

Gas Rates

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

* Recovery from multiple tests