

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33335

Name: IA Operating, Inc.

Address 1: 9915 W. 21st Street, Ste B

Address 2: _____

City: Wichita State: KS Zip: 67205 + _____

Contact Person: Robert D. Swann

Phone: (316) 721-0036

CONTRACTOR: License # 30606

Name: Murfin Drilling Co., Inc.

Wellsite Geologist: Randall Kilian

Purchaser: Coffeyville Resources

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil SWD SLOW
- Gas ENHR SIGW
- CM (Coal Bed Methane) Temp. Abd.
- Dry Other _____
(Core, WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth _____

Commingled Docket No.: _____

Dual Completion Docket No.: _____

Other (SWD or Enhr.?) Docket No.: _____

09/14/09 09/21/09 10/10/09

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - 065-23561-00-00

Spot Description: _____

NW 2210 SW _____ Sec. 17 Twp. 7 S. R. 25 East West

440 Feet from North / South Line of Section

440 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Graham

Lease Name: Cyrilla Barnett Well #: 17-1

Field Name: Blazier NW

Producing Formation: LKC

Elevation: Ground: 2625' Kelly Bushing: 2630'

Total Depth: 4000' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 349' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2250' Feet

If Alternate II completion, cement circulated from: 2250'

feet depth to: surface w/ 270 sx cmt.

Drilling Fluid Management Plan AH II nr 1-25-10
(Data must be collected from the Reserve Pit)

Chloride content: 6000 ppm Fluid volume: 400 bbls

Dewatering method used: Evaporation/Backfill

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Robert D. Swann

Title: Vice President Date: 1-12-2010

Subscribed and sworn to before me this 12 day of January

20 10

Notary Public: Julie Burrows

Date Commission Expires: March 19, 2013

KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

Distribution

JULIE BURROWS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-19-13

Operator Name: IA Operating, Inc. Lease Name: Cyrella Barnett Well #: 17-1
 Sec. 17 Twp. 7 S. R. 25 East West County: Graham

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Geologist's Well Report, Dual Induction Log, Sonic Log, Micro Log, Compensated Density/Neutron Log, Dual Receiver Cement Bond Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2230'</td> <td>+400</td> </tr> <tr> <td>Topeka</td> <td>3500'</td> <td>-867</td> </tr> <tr> <td>Heebner Shale</td> <td>3704'</td> <td>-1074</td> </tr> <tr> <td>Toronto</td> <td>3724'</td> <td>-1094</td> </tr> <tr> <td>Lansing</td> <td>3740'</td> <td>-1110</td> </tr> <tr> <td>Total Depth</td> <td>4000'</td> <td>-1370</td> </tr> </table>	Name	Top	Datum	Anhydrite	2230'	+400	Topeka	3500'	-867	Heebner Shale	3704'	-1074	Toronto	3724'	-1094	Lansing	3740'	-1110	Total Depth	4000'	-1370
Name	Top	Datum																				
Anhydrite	2230'	+400																				
Topeka	3500'	-867																				
Heebner Shale	3704'	-1074																				
Toronto	3724'	-1094																				
Lansing	3740'	-1110																				
Total Depth	4000'	-1370																				

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	23#	349'	Common	210	3%CC, 2%gel
Production	7 7/8"	5 1/2"	15.5#	3944'	Pro-C	150	5% gilsonite, 10% salt, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone		QMDC	270	1/4 Flo-seal

RECEIVED
 JAN 13 2010
 KCC WICHITA

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3816-18, 3858-60	250 gal 15% MCA, 500 gal 15% MCA	
4	3858-60	750 gal 15% MCA	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3880'</u> Packer At: <u> </u> Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>10/10/09</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
Estimated Production Per 24 Hours	Oil Bbls. <u>25</u> Gas Mcf <u> </u> Water Bbls. <u>20</u> Gas-Oil Ratio <u> </u> Gravity <u> </u>

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 <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
---	---	--

QUALITY OILWELL CEMENTING, INC.

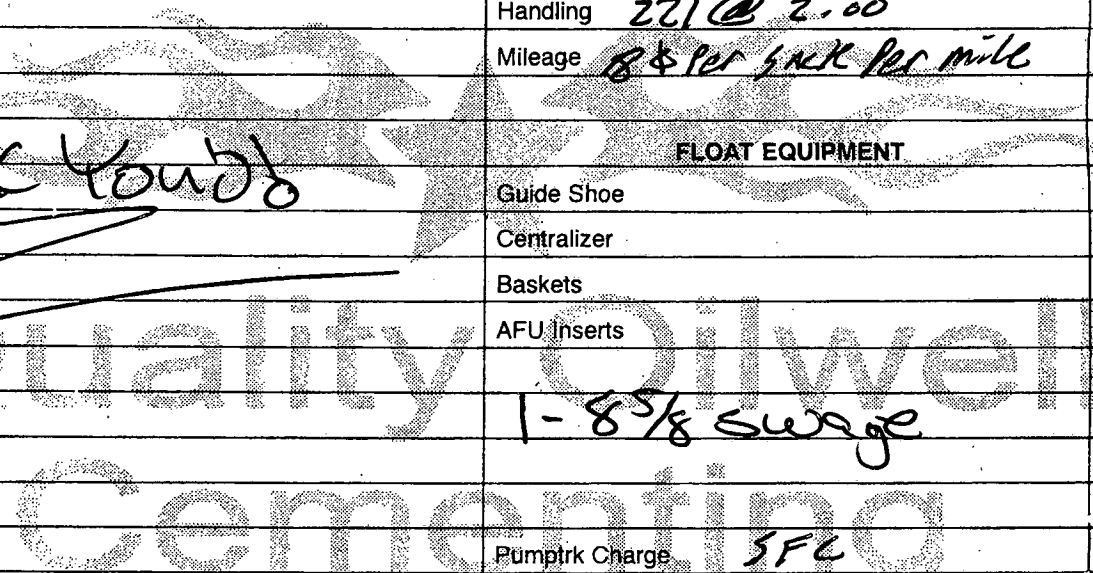
Phone 785-483-2025
Cell 785-324-1041

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

No. 3805

Date	9-15-09	Sec.	17	Twp.	7	Range	25	County	Graham	State	KS	On Location		Finish	1:15 AM	
Lease	Gyilla Barnett			Well No.	17-1			Location	ES of Studley 5 1/2 N to VRD 1 E 1/2 N							
Contractor	Murkin #8							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.							
Type Job	Surface job							Charge To	IA Operating							
Hole Size	12 1/4			T.D.	349			Street								
Csg.	8 5/8 (2316)			Depth	349			City	State							
Tbg. Size								City	State							
Tool								The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg	10-15H			Shoe Joint												
Meas. Line				Displace	2 1/4 BBLS			Amount Ordered	210 com CEMENT							
EQUIPMENT								Common	210 @ 14.00							
Pumptrk	9	No.		Cementer	Brandon			Poz. Mix								
				Helper				Gel.	4 @ 12.00							
Bulktrk	3	No.		Driver	Paul			Calcium	7 @ 12.00							
				Driver				Hulls	RECEIVED							
Bulktrk	04	No.		Driver	NEALE			Salt	JAN 13 2010							
JOB SERVICES & REMARKS								Flowseal	KCC WICHITA							
Remarks:								Handling	221 @ 2.00							
	cement did circ'd							Mileage	8¢ per sack per mile							
								FLOAT EQUIPMENT								
								Guide Shoe								
								Centralizer								
								Baskets								
								AFU Inserts	1-8 5/8 swage							
								Pumptrk Charge	5 FC 500.00							
								Mileage	28 @ 6.00							
								Tax								
								Discount								
								Total Charge								
X Signature	Lodny Fan															

Thank You!!



QUALITY OILWELL CEMENTING, INC.

PC Monday

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

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

No. 3810

Date	9/21/09	Sec.	17	Twp.	7	Range	25w	County	Graham	State	KS	On Location		Finish	9:45 PM	
Lease	Cyrilla Barnett			Well No.	17-1		Location Studley, 5 1/2 N, 1 E, E+N into									
Contractor	Murfin Drilling Rig #8							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.								
Type Job	Long String							Charge To IA Operating, Inc.								
Hole Size	7 7/8"		T.D.		4000'		Street									
Csg.	5 1/2" 15 1/2 #		Depth		3944		City									
Tbg. Size			Depth				State									
Tool	Part Collar		Depth		2756'		The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	21.70'		Shoe Joint		21.70'		5% Gilsomite, 10% Salt CEMENT 8% gel									
Meas Line			Displace		93.34 Bbls.		Amount Ordered 190 sx Pro-C 2090.00									
EQUIPMENT							Common 190 @ 11.00									
Pumptrk	1	No.	Cementer	Paul				Poz. Mix								
Bulktrk	8	No.	Driver	Brandon				Gel.								
Bulktrk	PU	No.	Driver	Doug				Calcium								
JOB SERVICES & REMARKS							Remarks:									
Mix 30sx - Rathole							Gilsonite		850 # @ .75		637.50					
Mix 20sx - Mousehook							Salt		27 @ 12.50		337.50					
Mix 140sx - 5 1/2"							Flowseal		500gal - Mud Flush		400.00					
Pump 500gal Mud Flush							Handling		217 @ 2.00		434.00					
Land Plug							Mileage		486.08							
Plug Held																
RECEIVED							FLOAT EQUIPMENT 5 1/2"									
JAN 13 2010							Guide Shoe		- 1		169.00					
KCC WICHITA							Centralizer		- 6		270.00					
							Baskets		- 1		175.00					
							AFU Inserts		- 1		190.00					
							1 Rubber Plug				63.00					
							1 Post Collar				1700.00					
							20 Reciprocating		Scratchers		900.00					
							Pumptrk Charge		Prod String		800.00					
							Mileage		28 @ 6.00							
Signature											Tax		307.80			
											Discount		(1764.00)			
											Total Charge		7363.88			

Thank You!!

Mick Stenton

COPY

QUALITY OILWELL CEMENTING, INC.

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

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

No. 3791

Date	9-29-09	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Cyrella Barnett	Well No.	17-1	Location	Studley 5 1/2 N 1 E 1/2 N			11:00 AM
Contractor	Chiroca	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.					
Type Job	port collar	Charge To	I A Operating					
Hole Size		T.D.						
Csg.	5 1/2	Depth						
Tbg. Size	2 1/2	Depth						
Tool	2250	Depth						
Cement Left in Csg.		Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line		Displace	used 270 CEMENT					

EQUIPMENT

Pumptrk	9	No.	Cementer	Dave	Amount Ordered	400 QMDC 1/4 Flowseal per stc
			Helper		Common	270 @ 14.00 = 3780.00
Bulktrk	7	No.	Driver	Doug	Poz. Mix	
			Driver		Gel.	
Bulktrk	pu	No.	Driver	Paul	Calcium	
			Driver		Hulls	

JOB SERVICES & REMARKS

Remarks:	Flowseal	100 @ 2.00 = 200.00
Tested casing @ 1000 psi & held	Handling	400 @ 2.00 = 800.00
opened tool & got blow mixed 270 sk	Mileage	750.00
& cir cement to surface		
closed tool & ran tested @ 1000 psi & held		
Ran 5 JTs & wash clean		
thanks		

FLOAT EQUIPMENT

Guide Shoe		
Centralizer		
Baskets		
AFU Inserts		
Pumptrk Charge	port collar	500.00
Mileage	28 @ 6.00	

RECEIVED
JAN 13 2010
KCC WICHITA

X Signature *M. DeLoach*

Tax
Discount
Total Charge

RECEIVED
JAN 13 2010
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**
9915 West 21st.
Street North, Suite B
Wichita Ks. 67205

ATTN: Randy Kilian

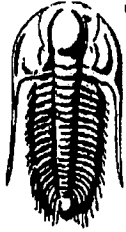
17 17S 25W Graham KS

Cyrilla-Barnett 17-1

Start Date: 2009.09.19 @ 09:20:00
End Date: 2009.09.19 @ 16:55:00
Job Ticket #: 35863 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

IA Operating Inc.
Cyrilla-Barnett 17-1
17 17S 25W Graham KS
DST # 1
LKC-C
2009.09.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

IA Operating Inc.
9915 West 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

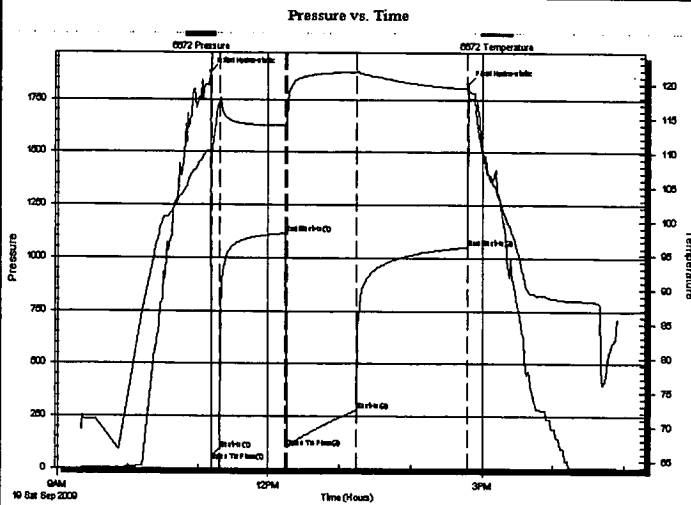
Cyrilla-Barnett 17-1
17 17S 25W Graham KS
Job Ticket: 35863 **DST#: 1**
Test Start: 2009.09.19 @ 09:20:00

GENERAL INFORMATION:

Formation: **LKC-C**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 11:11:30
Time Test Ended: 16:55:00
Interval: **3755.00 ft (KB) To 3780.00 ft (KB) (TVD)**
Total Depth: **3780.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreutzer**
Unit No: **36**
Reference Elevations: **2634.00 ft (KB)**
2630.00 ft (CF)
KB to GR/CF: **4.00 ft**

Serial #: 6672 **Inside**
Press@RunDepth: **277.65 psig @ 3756.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2009.09.19** End Date: **2009.09.19** Last Calib.: **2009.09.19**
Start Time: **09:20:05** End Time: **16:54:59** Time On Btm: **2009.09.19 @ 11:10:30**
Time Off Btm: **2009.09.19 @ 14:48:00**

TEST COMMENT: IF: Strong blow, 8in. over 5 mins.
IS: No blow back over 60 mins.
FF: Strong blow, B.O.B in 15 mins.
FS: Bled off, Blow back after 10 mins., Built to 1 in. over 90 mins.



PRESSURE SUMMARY

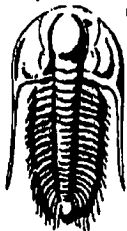
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.78	110.27	Initial Hydro-static
1	37.86	109.80	Open To Flow (1)
8	93.13	117.38	Shut-in (1)
64	1115.00	113.92	End Shut-in (1)
65	102.74	114.66	Open To Flow (2)
124	277.65	121.77	Shut-in (2)
217	1051.71	119.33	End Shut-in (2)
218	1823.83	119.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	496ft of gas in pipe	0.00
310.00	water	2.71
62.00	mcw - 10% m 90% w	0.87
62.00	gow cm - 10% g 10% o 40% w 40% m	0.87
62.00	gw mco - 10% g 10% w 20% m 60% o	0.87
124.00	go - 10% g 90% o	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc.
9915 West 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

Cyrilla-Barnett 17-1
17 17S 25W Graham KS
Job Ticket: 35863 **DST#: 1**
Test Start: 2009.09.19 @ 09:20:00

Tool Information

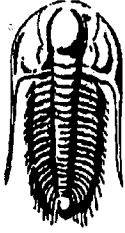
Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	52000.00 lb
			Total Volume: 51.11 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3755.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3740.00	
Hydraulic tool	5.00			3745.00	
Packer	5.00			3750.00	20.00 Bottom Of Top Packer
Packer	5.00			3755.00	
Stubb	1.00			3756.00	
Recorder	0.00	6672	Inside	3756.00	
Recorder	0.00	6752	Inside	3756.00	
Perforations	21.00			3777.00	
Bullnose	3.00			3780.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc.

Cyrilla-Barnett 17-1

9915 West 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

17 17S 25W Graham KS
Job Ticket: 35863 **DST#: 1**
Test Start: 2009.09.19 @ 09:20:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 55000 ppm	
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.12 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

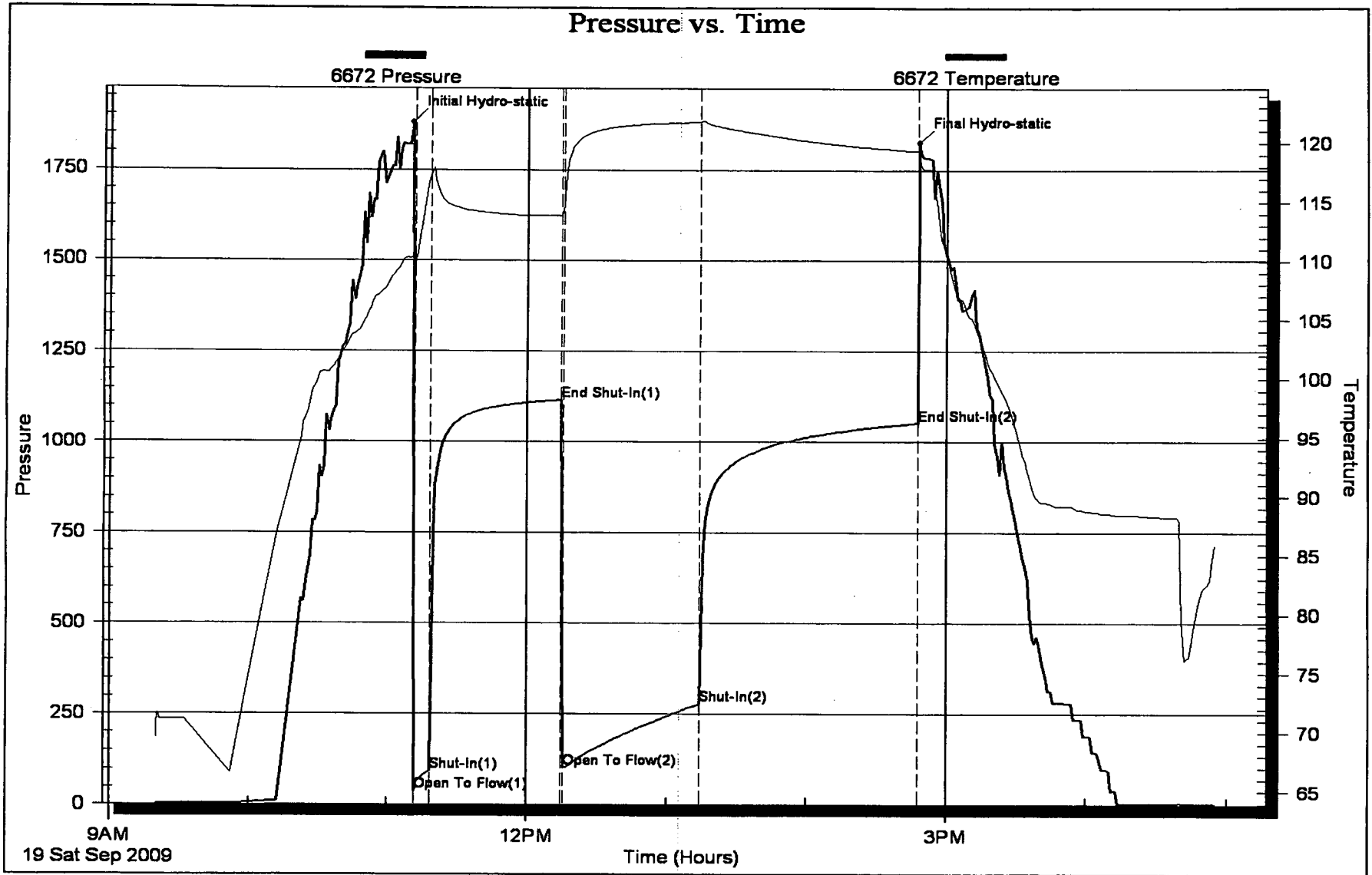
Length ft	Description	Volume bbl
0.00	496ft of gas in pipe	0.000
310.00	water	2.709
62.00	mcw-10% <i>m</i> 90% <i>w</i>	0.870
62.00	gow cm-10% <i>g</i> 10% <i>o</i> 40% <i>w</i> 40% <i>m</i>	0.870
62.00	gw mco-10% <i>g</i> 10% <i>w</i> 20% <i>m</i> 60% <i>o</i>	0.870
124.00	go-10% <i>g</i> 90% <i>o</i>	1.739

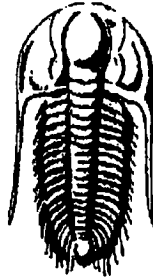
Total Length: 620.00 ft Total Volume: 7.058 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .12 @ 84.2F = 55000 chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**

9915 West 21st.
Street North, Suite B
Wichita Ks. 67205

ATTN: Randy Kilian

17 17S 25W Graham KS

Cyrilla-Barnett 17-1

Start Date: 2009.09.20 @ 00:46:00

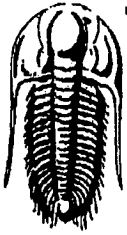
End Date: 2009.09.20 @ 08:44:30

Job Ticket #: 35864 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

IA Operating Inc.
9915 West 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

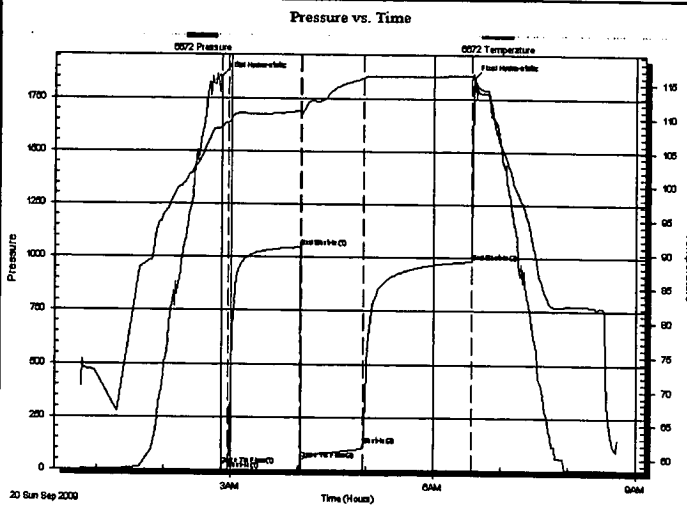
Cyrilla-Barnett 17-1
17 17S 25W Graham KS
Job Ticket: 35864 **DST#: 2**
Test Start: 2009.09.20 @ 00:46:00

GENERAL INFORMATION:

Formation: **LKC-F-G**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: **02:52:00**
Time Test Ended: **08:44:30**
Interval: **3793.00 ft (KB) To 3830.00 ft (KB) (TVD)**
Total Depth: **3830.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreutzer**
Unit No: **36**
Reference Elevations: **2634.00 ft (KB)**
2630.00 ft (CF)
KB to GRVCF: **4.00 ft**

Serial #: 6672 **Inside**
Press@RunDepth: **120.09 psig @ 3794.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2009.09.20** End Date: **2009.09.20** Last Calib.: **2009.09.20**
Start Time: **00:46:05** End Time: **08:44:29** Time On Btm: **2009.09.20 @ 02:51:00**
Time Off Btm: **2009.09.20 @ 06:35:30**

TEST COMMENT: IF: Weak blow, built to 4 1/2 in. over 5 mins.
IS: No blow back over 60 mins.
FF: Weak blow, built to 4 1/2 in. over 60 mins.
FS: No blow back over 90 mins.



PRESSURE SUMMARY

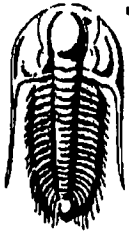
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.18	108.51	Initial Hydro-static
1	21.52	108.53	Open To Flow (1)
7	41.41	109.32	Shut-In(1)
71	1047.04	111.00	End Shut-In(1)
72	47.82	110.48	Open To Flow (2)
127	120.09	115.88	Shut-In(2)
224	983.21	116.35	End Shut-In(2)
225	1849.14	116.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	omcw-20%o60%w 30%m	0.30
62.00	ocm-20%o80%m	0.30
62.00	gocm-10%g40%o50%m	0.36
30.00	go-20%g80%o	0.42
0.00	216 ft. of gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc.

Cyrilla-Barnett 17-1

9915 West 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

17 17S 25W Graham KS

Job Ticket: 35864

DST#: 2

Test Start: 2009.09.20 @ 00:46:00

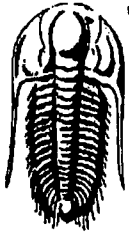
Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.80 inches	Volume: 50.64 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.53 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3793.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3778.00	
Hydraulic tool	5.00			3783.00	
Packer	5.00			3788.00	20.00 Bottom Of Top Packer
Packer	5.00			3793.00	
Stubb	1.00			3794.00	
Recorder	0.00	6672	Inside	3794.00	
Recorder	0.00	6752	Inside	3794.00	
Perforations	33.00			3827.00	
Bullnose	3.00			3830.00	37.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc.

Cyrilla-Barnett 17-1

9915 West 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

17 17S 25W Graham KS

Job Ticket: 35864

DST#: 2

Test Start: 2009.09.20 @ 00:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.18 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	omcw-20%o60%w30%m	0.305
62.00	ocm-20%o80%m	0.305
62.00	gocm-10%g40%o50%m	0.360
30.00	go-20%g80%o	0.421
0.00	216 ft. of gas in pipe	0.000

Total Length: 216.00 ft

Total Volume: 1.391 bbl

Num Fluid Samples: 0

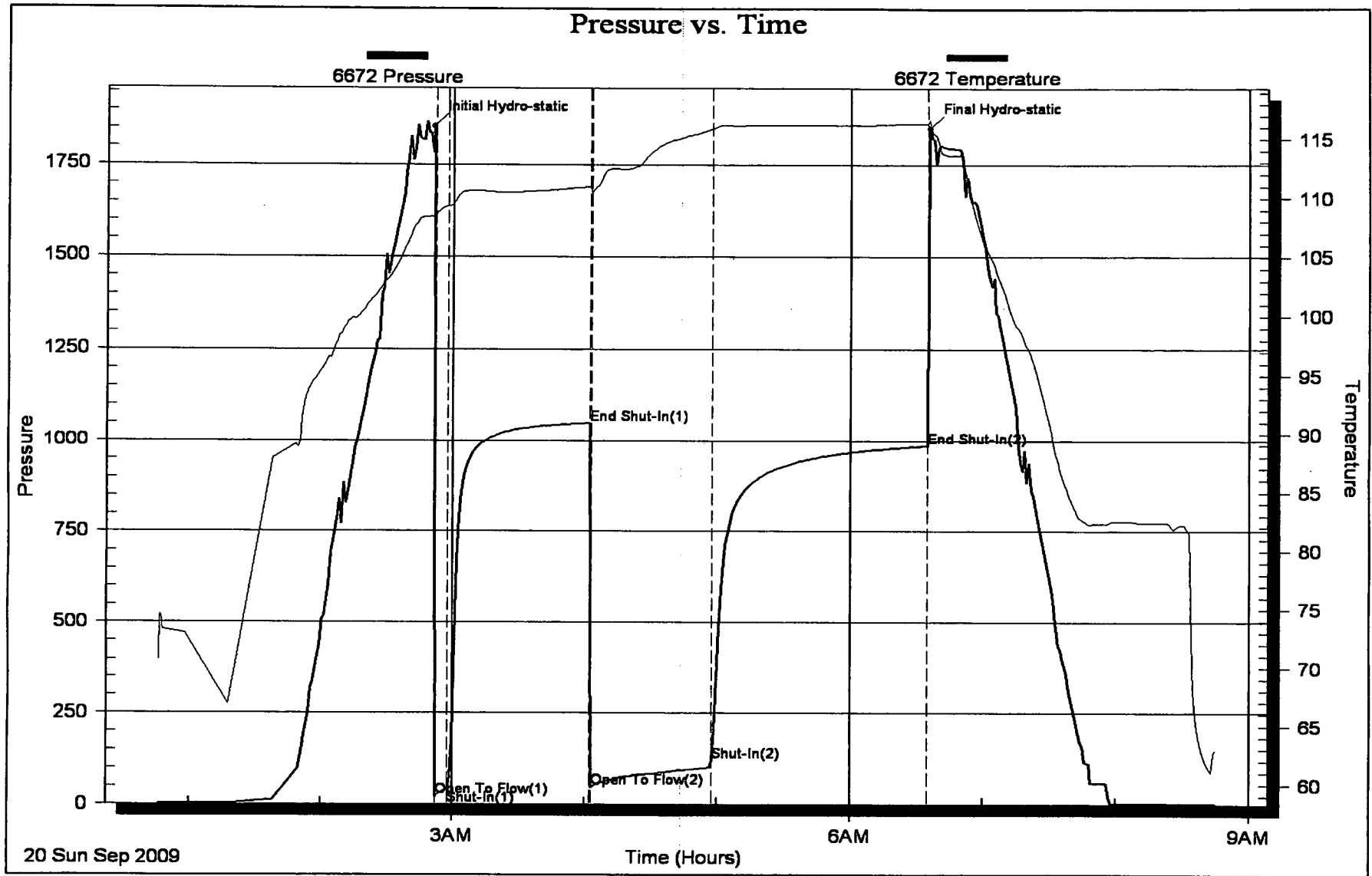
Num Gas Bombs: 0

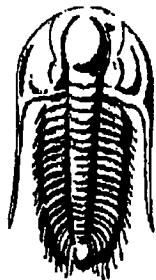
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**

9915 west 21st.
Street North, Suite B
Wichita Ks. 67205

ATTN: Randy Kilian

17 17S 25W Graham KS

Cyrilla-Barnett 17-1

Start Date: 2009.09.20 @ 15:50:00

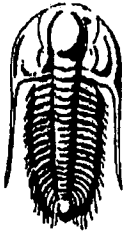
End Date: 2009.09.20 @ 22:03:30

Job Ticket #: 35865 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

IA Operating Inc.
9915 west 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

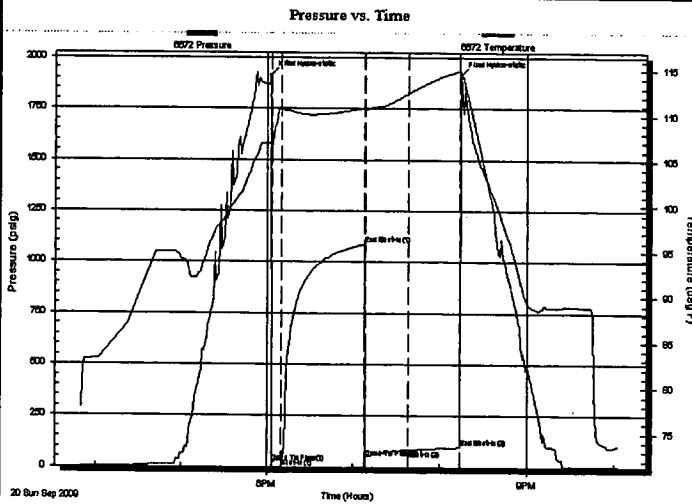
Cyrilla-Barnett 17-1
17 17S 25W Graham KS
Job Ticket: 35865 **DST#: 3**
Test Start: 2009.09.20 @ 15:50:00

GENERAL INFORMATION:

Formation: **LKC-J**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 18:03:00
Time Test Ended: 22:03:30
Interval: **3870.00 ft (KB) To 3906.00 ft (KB) (TVD)**
Total Depth: **3906.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Kreuzer**
Unit No: **36**
Reference Elevations: **2634.00 ft (KB)**
2630.00 ft (CF)
KB to GR/CF: **4.00 ft**

Serial #: 6672 **Inside**
Press@RunDepth: **84.62 psig @ 3871.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2009.09.20** End Date: **2009.09.20** Last Calib.: **2009.09.20**
Start Time: **15:50:05** End Time: **22:03:29** Time On Btm: **2009.09.20 @ 18:02:30**
Time Off Btm: **2009.09.20 @ 20:14:30**

TEST COMMENT: IF: Weak blow, Built to 1 in. over 5mins.
IS: No blow back over 60 mins.
FF: Weak blow after 1 min., Built to 1/2 in. over 20 mins. started to die. Died after 30 mins.
FS: No blow back over 30 mi



PRESSURE SUMMARY

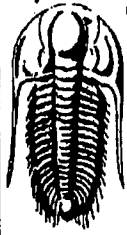
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.98	106.95	Initial Hydro-static
1	22.46	106.30	Open To Flow (1)
8	43.70	110.75	Shut-In(1)
66	1085.85	110.81	End Shut-In(1)
66	48.68	110.55	Open To Flow (2)
96	84.62	112.41	Shut-In(2)
131	97.53	114.88	End Shut-In(2)
132	1915.90	114.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw-30% m70% w	0.30
62.00	sow cm-10% o45% w 45% m	0.30
62.00	mco-40% m60% o	0.36

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc.
9915 west 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

Cyrilla-Barnett 17-1
17 17S 25W Graham KS
Job Ticket: 35865 **DST#: 3**
Test Start: 2009.09.20 @ 15:50:00

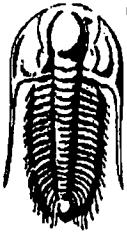
Tool Information

Drill Pipe:	Length: 3704.00 ft	Diameter: 3.80 inches	Volume: 51.96 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 52.85 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3870.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3855.00	
Hydraulic tool	5.00			3860.00	
Packer	5.00			3865.00	20.00 Bottom Of Top Packer
Packer	5.00			3870.00	
Stubb	1.00			3871.00	
Recorder	0.00	6672	inside	3871.00	
Recorder	0.00	6752	inside	3871.00	
Perforations	33.00			3904.00	
Bullnose	3.00			3907.00	37.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc.

Cyrilla-Barnett 17-1

9915 west 21st.
Street North, Suite B
Wichita Ks. 67205
ATTN: Randy Kilian

17 17S 25W Graham KS

Job Ticket: 35865 **DST#: 3**

Test Start: 2009.09.20 @ 15:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	60000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 1.40 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcw-30% <i>m</i> 70% <i>w</i>	0.305
62.00	sow cm-10% <i>o</i> 45% <i>w</i> 45% <i>m</i>	0.305
62.00	mco-40% <i>m</i> 60% <i>o</i>	0.360

Total Length: 186.00 ft Total Volume: 0.970 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW 1.4 @ 65F = 60000 chlorides

