



KANSAS CORPORATION COMMISSION 1108377
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 # 33335
Name: IA Operating, Inc.
Address 1: 9915 W 21ST ST, STE B
Address 2:
City: WICHITA State: KS Zip: 67205 +
Contact Person: Julie Burrows, Jeff Mowry
Phone: (316) 721-0036
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Randall Kilian
Purchaser: None

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 #:

04/27/2012	05/02/2012	05/02/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-179-21301-00-00

Spot Description:
SE SW NW NW Sec. 24 Twp. 8 S. R. 27 East West
1180 Feet from North / South Line of Section
590 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Sheridan

Lease Name: RUBY Well #: 24-1

Field Name:

Producing Formation: None

Elevation: Ground: 2543 Kelly Bushing: 2550

Total Depth: 3990 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 259 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: 800 ppm Fluid volume: 850 bbls

Dewatering method used: Evaporated

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: Deanna Garrison Date: 01/24/2013



1108377

Operator Name: IA Operating, Inc. Lease Name: RUBY Well #: 24-1
 Sec. 24 Twp. 8 S. R. 27 East West County: Sheridan

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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i></p> <p>List All E. Logs Run: Attached</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <p>Name Top Datum Attached Attached Attached</p>
--	---

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	12.25	8.625	23	259	Common	165	3%CC, 2% gel

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-	60/40 Poz	205	4%gel
	-			

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
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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	RUBY 24-1
Doc ID	1108377

All Electric Logs Run

Geologist's Well Report
Dual Induction Log
Micro Log
Compensated Density Neutron Log

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	RUBY 24-1
Doc ID	1108377

Tops

Anhydrite	2188	+362
Base	2222	+328
Topeka	3469	+919
Heebner Shale	3682	-1132
Toronto	3704	-1154
Lansing	3722	-1172
BKC	3939	-1166
Total	3990	-1440

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 382

Cell 785-324-1041

Date	5-2-12	Sec.	24	Twp.	8	Range	27	County	SHERIDAN	State	KANSAS	On Location		Finish	9:00 PM		
Lease	RUBY			Well No.	24-1			Location	TASO 1/2 E 15 - 5 INTO								
Contractor	W/W DRILLING #6							Owner	T.A. OPERATING								
Type Job	Rotary PLUG							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	8 5/8"			T.D.													
Csg.	5 1/2"			Depth	Charge To T.A. OPERATING												
Tbg. Size				Depth	Street 9915 W 21ST NORTH, STE B												
Tool				Depth	City WICHITA State KS, 676205												
Cement Left in Csg.				Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.												
Meas Line				Displace	Cement Amount Ordered 205 6 3/4 4% GEL												
EQUIPMENT																	
Pumptrk #15	No.	Cement	Helper	PAUL												Common	123
Bulktrk #8	No.	Driver	Driver	NICK												Poz. Mix	82
Bulktrk P/u	No.	Driver	Driver	CASSO												Gel.	7
JOB SERVICES & REMARKS																	
Remarks:	Calcium																
Rat Hole	30 SKS			Hulls													
Mouse Hole	Salt																
Centralizers	Flowseal 50#																
Baskets	Kol-Seal																
D/V or Port Collar	Mud CLR 48																
PLUGS	SAND																
1st @ 220'	25 SKS			Handling 212													
2nd @ 1322'	100 SKS			Mileage													
3rd @ 309'	40 SKS			FLOAT EQUIPMENT													
4th @ 40'	10 SKS			Guide Shoe													
RAT HOLE	30 SKS			Centralizer													
Baskets																	
AFU Inserts																	
Float Shoe																	
Latch Down																	
THANK YOU!																	
1 - 8 5/8" DRY HOLE PLUG																	
Pumptrk Charge plug																	
Mileage 25																	
Signature																	
<i>J. Mayer</i>																	
Tax																	
Discount																	
Total Charge																	

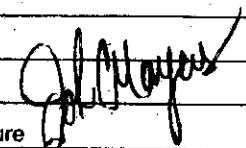
QUALITY OILWELL CEMENTING, INC.

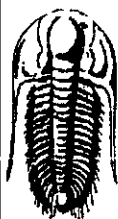
Federal Tax I.D.# 20-2886107

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

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

No. 380

Date	4-27-12	Sec.	24	Twp.	8	Range	27	County	SHERIDAN KANSAS	State		On Location		Finish	8:15pm			
Lease	RUBY	Well No.	24-1			Location TASC0 1/2 MI. EAST - 1 SOUTH INTO												
Contractor	W.W. DRILLING # 60							Owner I.A. OPERATING										
Type Job	S-SURFACE							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	12 1/4"		T.D.	259'														
Csg.	8 7/8"		Depth	259														
Tbg. Size			Depth															
Tool			Depth															
Cement Left in Csg.			Shoe Joint	15'														
Meas Line			Displace	15 1/2 BLS														
EQUIPMENT													Charge To			I.A. OPERATING		
Pumptrk #15	No.	Cement	PAUL											Common	165			
Bulktrk #14	No.	Driver	LOWNIE											Poz. Mix				
Bulktrk #14	No.	Driver	CASCO											Gel.	3			
JOB SERVICES & REMARKS													Calcium	5				
Remarks:													Hulls					
Rat Hole													Salt					
Mouse Hole													Flowseal					
Centralizers													Kol-Seal					
Baskets													Mud CLR 48					
D/V or Port Collar													CFL-117 or CD110 CAF 38					
													Sand					
													Handling	173				
													Mileage					
CEMENT DID CIRCULATE													FLOAT EQUIPMENT					
													Guide Shoe					
													Centralizer					
													Baskets					
													AFU Inserts					
THANK YOU!													Float Shoe					
													Latch Down					
													Pumptrk Charge	Suifall				
													Mileage	Suifall x 25 miles				
Signature: 													Tax					
													Discount					
													Total Charge					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

IA Operating, Inc
9915 W 21st Street North
Suite B
Wichita, KS 67205
ATTN: Randy Kilian

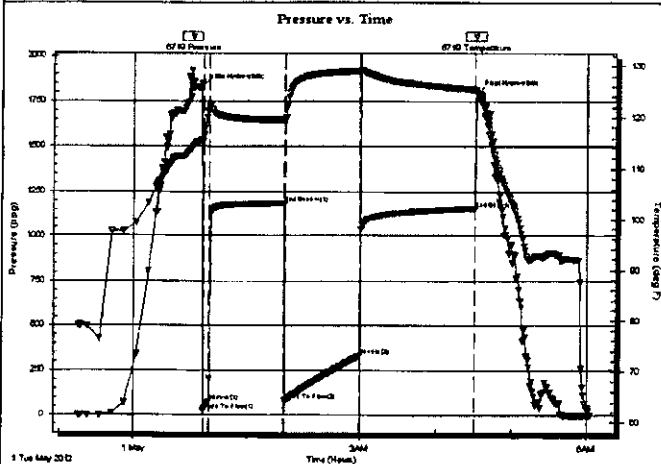
24/8s/27w Sheridan KS
Ruby #24-1
Job Ticket: 46154 **DST#: 1**
Test Start: 2012.04.30 @ 23:15:00

GENERAL INFORMATION:

Formation: **LKC "C"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 00:55:30
Time Test Ended: 06:03:00
Interval: **3738.00 ft (KB) To 3760.00 ft (KB) (TVD)**
Total Depth: **3760.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Reference Elevations: **2550.00 ft (KB)**
2545.00 ft (CF)
KB to GR/CF: **5.00 ft**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **James Winder**
Unit No: **57**

Serial #: 6719 **Inside**
Press@RunDepth: **329.00 psig @ 3739.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.04.30** End Date: **2012.05.01** Last Calib.: **2012.05.01**
Start Time: **23:15:05** End Time: **06:02:59** Time On Btm: **2012.05.01 @ 00:54:00**
Time Off Btm: **2012.05.01 @ 04:32:30**

TEST COMMENT: 5 - IF: Blow built to 6"
60 - IS: Bled off, No blow back
60 - FF: Blow built to BOB (11") in 11 min.
90 - FS: Bled off, No blow back



PRESSURE SUMMARY

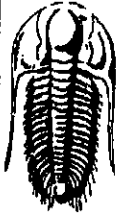
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.90	115.58	Initial Hydro-static
2	27.38	115.37	Open To Flow (1)
6	75.99	121.73	Shut-In(1)
66	1186.15	119.58	End Shut-In(1)
67	80.71	119.23	Open To Flow (2)
126	329.00	128.95	Shut-In(2)
217	1157.65	125.48	End Shut-In(2)
219	1793.45	124.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
556.00	Water 96%w, 4%m	6.70
62.00	MCW 88%w, 12%m	0.87
62.00	WM 54%m, 46%w	0.87

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating, Inc

24/8s/27w Sheridan KS

9915 W 21st Street North
Suite B
Wichita, KS 67205
ATTN: Randy Kilian

Ruby #24-1

Job Ticket: 46154

DST#: 1

Test Start: 2012.04.30 @ 23:15:00

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:

78000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
556.00	Water 96%w, 4%m	6.697
62.00	MCW 88%w, 12%m	0.870
62.00	WM 54%w, 46%w	0.870

Total Length: 680.00 ft Total Volume: 8.437 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .128 ohms @ 54.8 deg F
Chlorides = 78,000 ppm

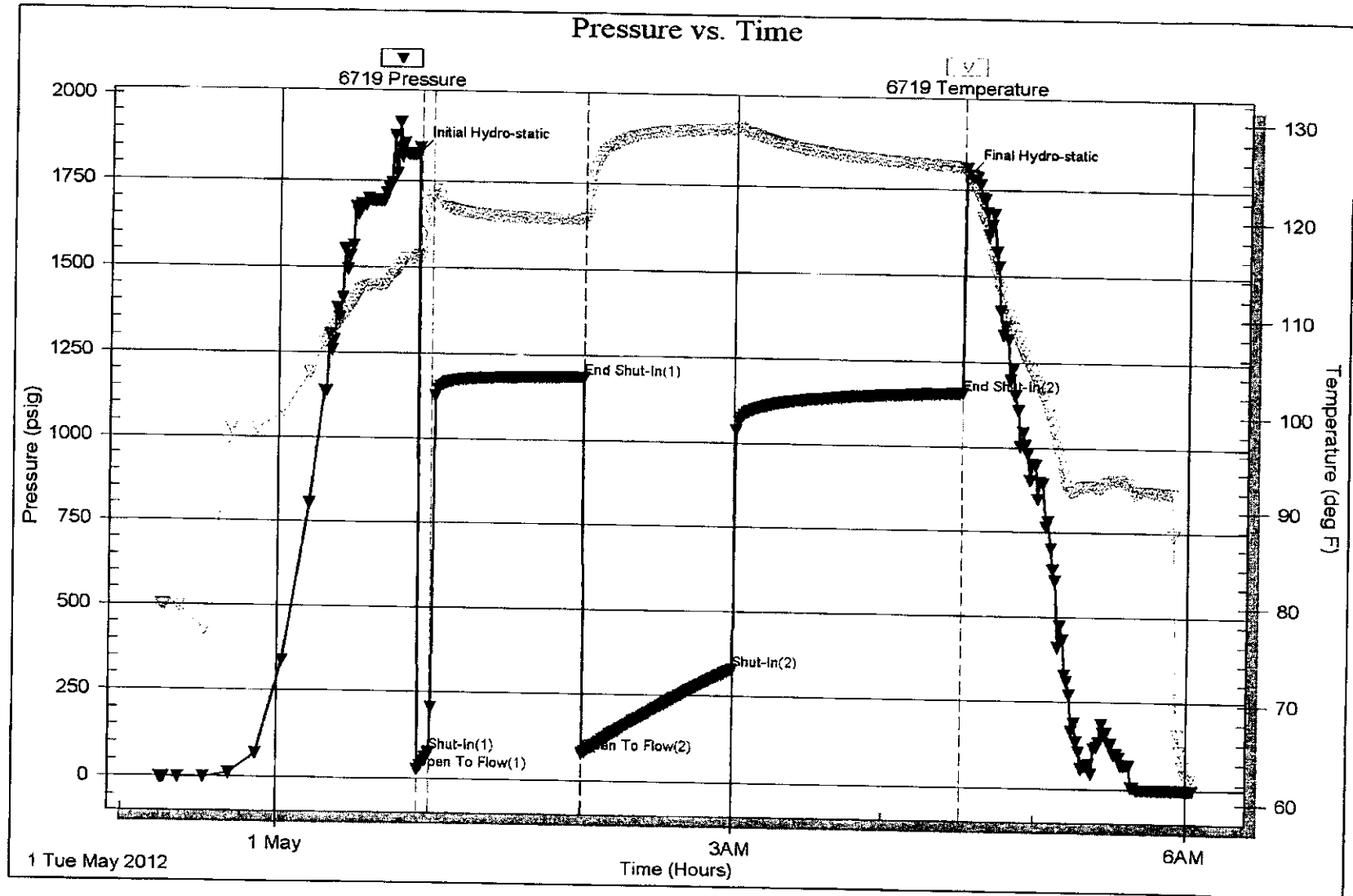
Serial #: 6719

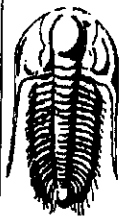
Inside

IA Operating, Inc

Ruby #24-1

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

IA Operating, Inc
9915 W 21st Street North
Suite B
Wichita, KS 67205
ATTN: Randy Kilian

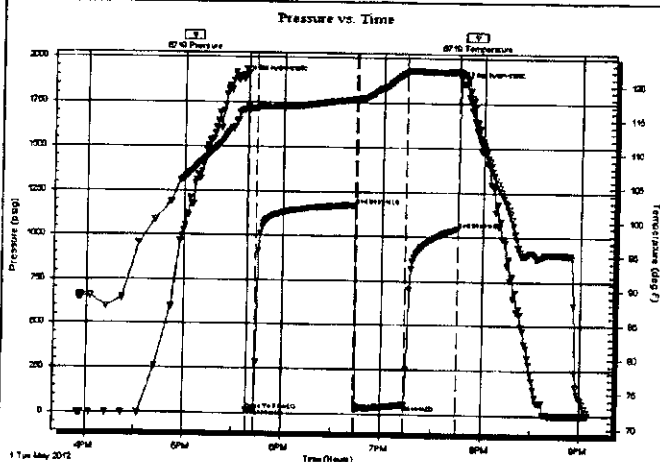
24/8s/27w Sheridan KS
Ruby #24-1
Job Ticket: 46155 DST#: 2
Test Start: 2012.05.01 @ 15:55:00

GENERAL INFORMATION:

Formation: LKC "H"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:39:00
Time Test Ended: 21:04:30
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 57
Interval: 3832.00 ft (KB) To 3860.00 ft (KB) (TVD)
Total Depth: 3860.00 ft (KB) (TVD)
Reference Elevations: 2550.00 ft (KB)
2545.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 6719 Inside
Press@RunDepth: 54.43 psig @ 3833.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.05.01 End Date: 2012.05.01 Last Calib.: 2012.05.01
Start Time: 15:55:05 End Time: 21:04:29 Time On Btm: 2012.05.01 @ 17:36:00
Time Off Btm: 2012.05.01 @ 19:47:30

TEST COMMENT: 5 - IF: Blow built to 3/4"
60 - IS: Bled off, No blow back
30 - FF: Blow started at 18 min., built to 1/2"
30 - FS: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1881.56	116.30	Initial Hydro-static
3	16.72	116.38	Open To Flow (1)
8	24.74	116.52	Shut-In(1)
68	1173.93	117.93	End Shut-In(1)
69	28.55	117.66	Open To Flow (2)
98	54.43	121.89	Shut-In(2)
129	1043.47	122.12	End Shut-In(2)
132	1857.08	121.73	Final Hydro-static

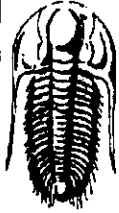
Recovery

Length (ft)	Description	Volume (bbl)
80.00	WCM 66%w, 34%w	0.39
0.00	Oil spots in tool	0.00

* Recovery from multiple tests

Gas Rates

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



**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating, Inc

24/8s/27w Sheridan KS

9915 W 21st Street North
Suite B
Wichita, KS 67205
ATTN: Randy Kilian

Ruby #24-1

Job Ticket: 46155

DST#: 2

Test Start: 2012.05.01 @ 15:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 31000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	WCM 66% _m , 34% _w	0.393
0.00	Oil spots in tool	0.000

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .215 ohms @ 76 deg F

Chlorides = 31,000 ppm

