



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: _____



1108377

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 Bbbs.	Gas Mcf	Water Bbbs.	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	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

Name	Top	Datum
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
Cell 785-324-1041

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

No. 382

Date	5-2-12	Sec.	24	Twp.	8	Range	27	County	SHERIDAN	State	KANSAS	On Location		Finish	9:00 PM
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Lease	RUBY	Well No.	24-1	Location	TASCO 1/2 E - 15 - 5 INTO
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Contractor	W W DRILLING # 6	Owner	I A OPERATING
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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.	
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Hole Size	8 5/8"	T.D.		Charge To	I A OPERATING
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Csg.	5 1/2"	Depth		Street	9915 W 21ST NORTH, STE B
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Tbg. Size		Depth		City	WICHITA	State	KS, 676205
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
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Cement Left in Csg.		Shoe Joint		Cement Amount Ordered	205 6% 40 - 4% GEL
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Meas Line		Displace			
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EQUIPMENT

Pumptrk #15 No.	Cement Helper PAUL	Common	123
Bulktrk #8 No.	Driver NECK	Poz. Mix	82
Bulktrk P/u No.	Driver CTSO	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
	CFL-117 or CD110 CAF 38

PLUGS	SKS OF CEMENT	Sand	
1st @ 2207'	25 SKS	Handling	2/2
2nd @ 1322'	100 SKS	Mileage	

3rd @ 309'	40 SKS	FLOAT EQUIPMENT	
4th @ 40'	10 SKS	Guide Shoe	
RATHOLE	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	TASCO 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								Charge To	I.A. OPERATING								
Tool								Street	9915 W 21ST STREET NORTH, STE B								
Cement Left in Csg.								City	WICHITA				State	KANSAS			
Meas Line								Shoe Joint	15'								
								Displace	15 1/2 BLS								
								Cement Amount Ordered	165 com 3% OCE 2% GEL								

EQUIPMENT

Pumptrk #15 No.	Cement Helper	PAUL	Common	165
Bulktrk #14 No.	Driver	LOWNEE	Poz. Mix	
Bulktrk P/U No.	Driver	CASCO	Gel.	3

JOB SERVICES & REMARKS

Remarks:	Calcium	5
Rat Hole	Hulls	
Mouse Hole	Salt	
Centralizers	Flowseal	
Baskets	Kol-Seal	
D/V or Port Collar	Mud CLR 48	
	CFL-117 or CD110 CAF 38	
	Sand	
	Handling	173
	Mileage	

FLOAT EQUIPMENT

CEMENT DID CIRCULATE	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	

THANK YOU!

Pumptrk Charge	Surface	
Mileage	Surface 25 min	
	Tax	
	Discount	
	Total Charge	

X Signature *[Signature]*



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

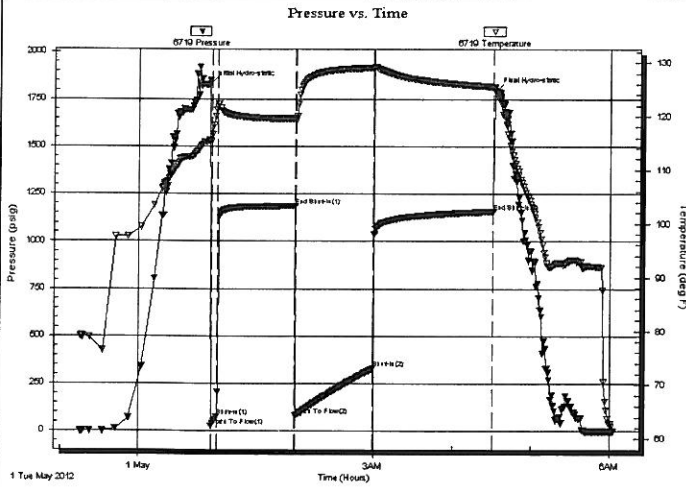
24/8s/27w Sheridan KS
Ruby #24-1
 Job Ticket: 46154 **DST#: 1**
 Test Start: 2012.04.30 @ 23:15:00

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
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 2550.00 ft (KB)
 2545.00 ft (CF)
 KB to GR/CF: 5.00 ft

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

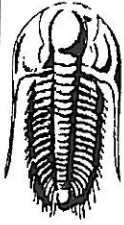
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.90	115.58	Initial Hydro-static
2	27.38	115.37	Open To Flow (1)
6	75.99	121.73	Shut-In(1)
66	1186.15	119.58	End Shut-In(1)
67	80.71	119.23	Open To Flow (2)
126	329.00	128.95	Shut-In(2)
217	1157.65	125.48	End Shut-In(2)
219	1793.45	124.30	Final 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	VM 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: bbl		
Water Loss: 6.40 in ³	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 bbl
556.00	Water 96%w, 4%m	6.697
62.00	MCW 88%w, 12%m	0.870
62.00	WM 54%m, 46%w	0.870

Total Length: 680.00 ft Total Volume: 8.437 bbl

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

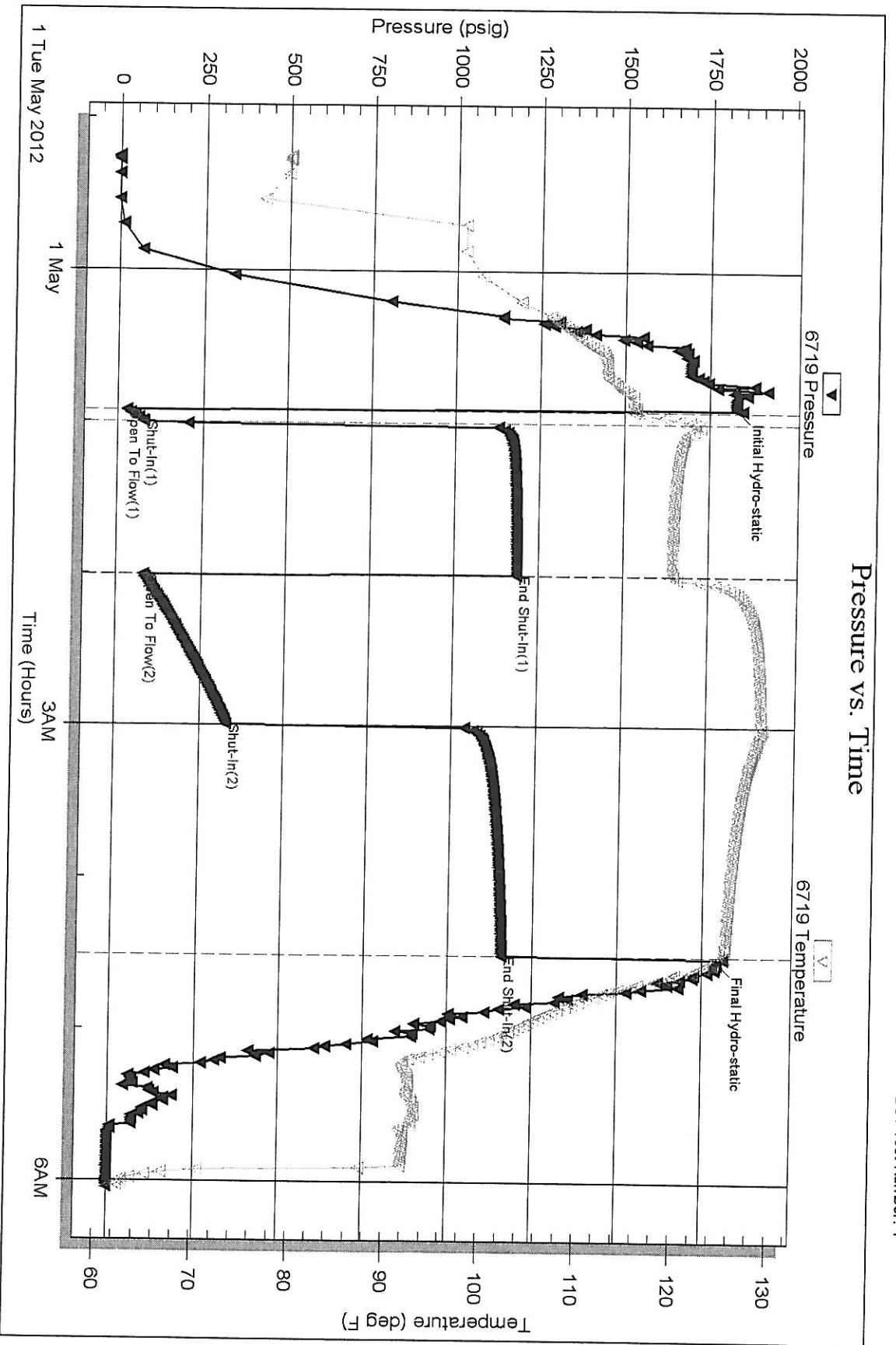
Serial #: 6719

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

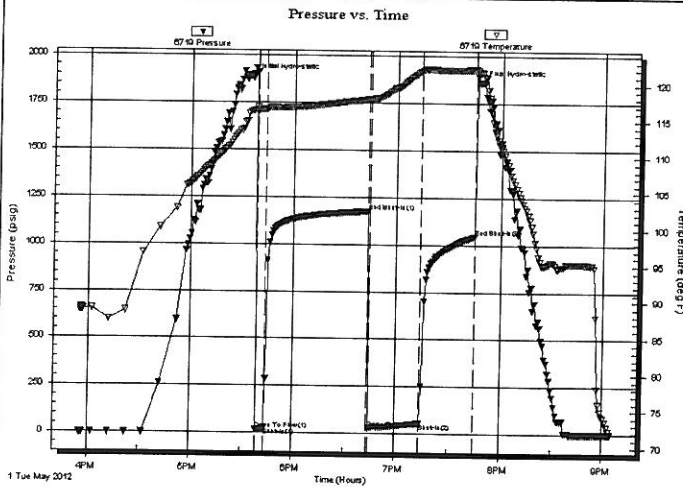
24/8s/27w Sheridan KS
Ruby #24-1
 Job Ticket: 46155 **DST#: 2**
 Test Start: 2012.05.01 @ 15:55:00

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:39:00 Test Type: Conventional Bottom Hole (Reset)
 Time Test Ended: 21:04:30 Tester: James Winder
 Unit No: 57
 Interval: **3832.00 ft (KB) To 3860.00 ft (KB) (TVD)** Reference Elevations: 2550.00 ft (KB)
 Total Depth: 3860.00 ft (KB) (TVD) 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

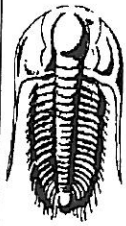
Recovery

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

Gas Rates

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

* Recovery from multiple tests



**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: 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:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

31000 ppm

ft

bbl

psig

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

Serial #: 6719

Inside I/A Operating, Inc

Ruby #24-1

DST Test Number: 2

