



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228080
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: _____

1228080

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> _____
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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> _____	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. 808

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-2-2014	31	15	11	Russell	KANSAS		6:00AM
Lease				Location		Well No.	
Henry J				DeBike KS 3/4 E 1/2 N 4 E Int		1	
Contractor				Owner			
Royal DRIG. Rig #2				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Long Surface				Charge To			
Hole Size		T.D.		RJM Company			
12" 4		521'		Street			
Csg. 8 5/8 New		Depth		City			
		521		State			
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
				Cement Amount Ordered			
Tool		Depth		225sx Comm			
				3% CC 2% Gel			
Cement Left in Csg. 20'		Shoe Joint		Common			
Meas Line		Displace		Poz. Mix			
		31.90 / BBL		Gel.			
EQUIPMENT				Calcium			
Pumptrk	No.	Cementer	Glenn G.		Hulls		
5		Helper	DAVID		Salt		
Bulktrk	No.	Driver	DAVID		Flowseal		
1		Driver	DAVID		Kol-Seal		
Bulktrk	No.	Driver	DAVID		Mud CLR 48		
		Driver			CFL-117 or CD110 CAF 38		
JOB SERVICES & REMARKS				Sand			
Remarks:				Handling			
Rat Hole				Mileage			
Mouse Hole				FLOAT EQUIPMENT			
Centralizers				Guide Shoe			
Baskets				Centralizer			
D/V or Port Collar				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Solid Rubber Plug x1			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
Signature							

Cement Circulated to Surface

THANKS

X Signature David G. [Signature]

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. 851

Date	10-7-14	Sec.	31	Twp.	15	Range	11	County	Russell	State	KS	On Location		Finish	1030
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Lease	Henry I	Well No.	1	Owner	Debuque 3/4 E Ninto
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Contractor	Royal #2	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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Type Job	Production	Charge To	RJM
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Hole Size	7 7/8	T.D.	3343
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Csg.	NEW 5 1/2 15.50	Depth	3340	Street	
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Tbg. Size		Depth		City		State	
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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.	17.85	Shoe Joint	17.85	Cement Amount Ordered	180 com 10% salt 5% g. kon
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Meas Line		Displace	79 bl	500 gal mud clear
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EQUIPMENT

Pumptrk	16	No.		Cementer	Billy	Common
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Bulktrk	15	No.		Helper		Poz. Mix
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Bulktrk	Pu	No.		Driver	Travis	Gel.
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Bulktrk		No.		Driver	Rick	Calcium
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JOB SERVICES & REMARKS

Remarks:		Hulls
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Rat Hole		Salt
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Mouse Hole		Flowseal
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Centralizers	1, 3, 5, 6, 7, 8, 9, 10, 11	Kol-Seal
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Baskets	2 & 7	Mud CLR 48
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D/V or Port Collar	Pipe on bottom Broke	CFL-117 or CD110 CAF 38
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Circulation	Pump 500 gal mud clear	Sand
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Plug rat hole with 30 sacks	plus mouse hole with 15 sacks	Handling
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Move to 5 1/2 Csg	Pump 135 sacks	Mileage
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Cement shut down	Wash Pump and line	FLOAT EQUIPMENT
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Release Plug and displace 79 bl water	Release and hold	Guide Shoe
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Lift Press 800 PS		Centralizer 9
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Land Plug to 1500 PS		Baskets 2
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		AFU Inserts
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		Float Shoe 1
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		Latch Down 1
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		Rotating Head
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		Pumptrk Charge
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X Signature *Tom Blake*

Tax	
Discount	
Total Charge	



Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	RJM COMPANY	Job Number	J3302
Contact	CHRIS HOFFFMAN	Representative	JOHN RIEDL
Well Name	HENRY J #1	Well Operator	RJM COMPANY
Unique Well ID		Report Date	2014/10/05
Surface Location	S31/15S/11W	Prepared By	JOHN RIEDL
Field		Qualified By	CLINT MUSGROVE

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	TOPEKA
Well Fluid Type	
Test Purpose	

Start Test Date	2014/10/05	Start Test Time	02:00:00
Final Test Date	2014/10/05	Final Test Time	07:40:00

Test Recovery

RECOVERY: 20' DRILLING MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/HenryJ1dst1

TIME ON: 2:00 10/05/2014
TIME OFF: 07:40 10/05/2014

Company RJM COMPANY Lease & Well No. HENRY J #1
Contractor ROYAL DRILLING RIG 2 Charge to RJM
Elevation 1872 G.L Formation TOPEKA Effective Pay _____ Ft. Ticket No. J3302
Date 10/05/2014 Sec. 31 Twp. _____ 15 S Range _____ 11 W County RUSSELL State KANSAS
Test Approved By CLINT MUSGROVE Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 2840 ft. to 2900 ft. Total Depth 2900 ft.
Packer Depth 2835 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2840 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2843 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 2897 ft. Recorder Number 13498 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 63 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4800 P.P.M. Drill Pipe Length 2820 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 60 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 30' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK (1/4" THROUGHOUT) NO BB
2nd Open: WEAK(3/8" THROUGHOUT) NO BB

Recovered 20 ft. of DRILLING MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: TOTAL FLUID REC:20' IN DRILL
TOOL SAMPLE GRINDOUT: 100% MUD

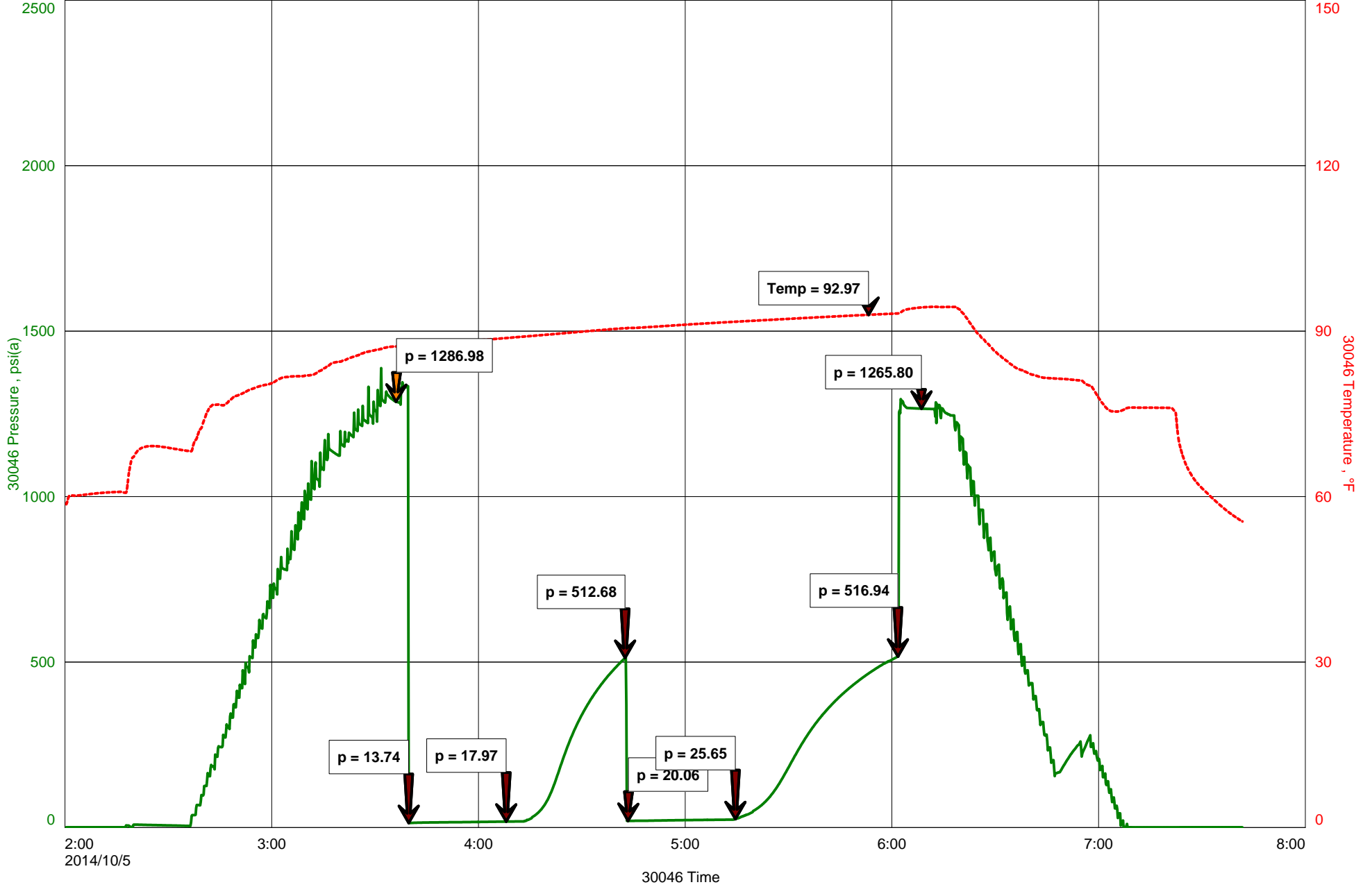
	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 3:45 A.M. A.M. P.M. Time Started Off Bottom 6:00 A.M. A.M. P.M. Maximum Temperature 93

Initial Hydrostatic Pressure..... (A) 1287 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 513 P.S.I.
Final Flow Period..... Minutes 30 (E) 20 P.S.I. to (F) 26 P.S.I.
Final Closed In Period..... Minutes 45 (G) 517 P.S.I.
Final Hydrostatic Pressure..... (H) 1266 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

HENRY J #1





Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	RJM COMPANY	Job Number	J3303
Contact	CHRIS HOFFMAN	Representative	JOHN RIEDL
Well Name	HENRY J #1	Well Operator	RJM COMPANY
Unique Well ID		Report Date	2014/10/07
Surface Location	S31/15S/11W	Prepared By	JOHN RIEDL
Field		Qualified By	WYATT URBAN

Test Information

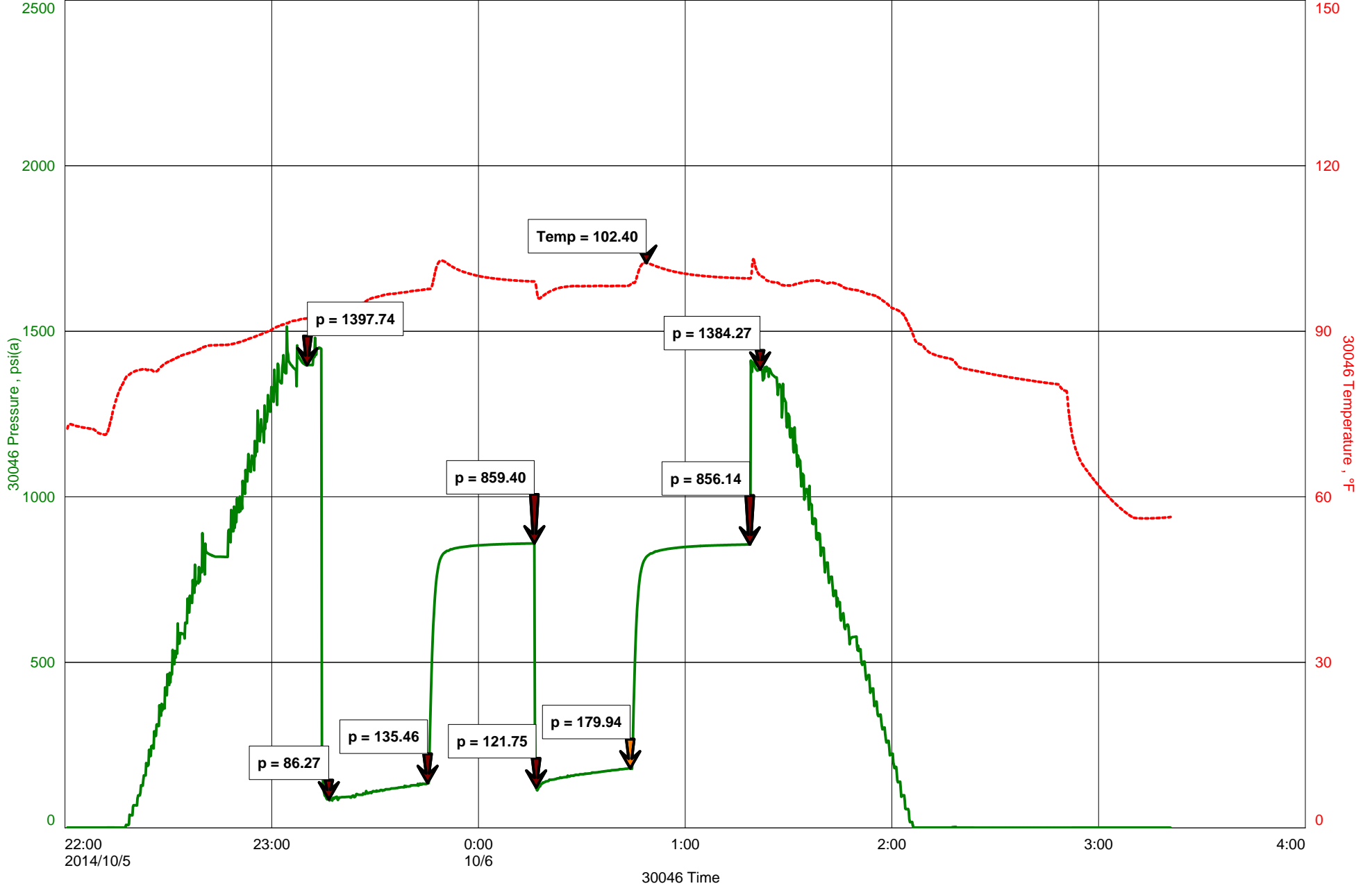
Test Type	DST #2 CONVENTIONAL
Formation	LKC "A-D"
Well Fluid Type	
Test Purpose	

Start Test Date	2014/10/06	Start Test Time	22:00:00
Final Test Date	2014/10/07	Final Test Time	03:20:00

Test Recovery

RECOVERY: GAS TO SURFACE GUAGED 250 MCF/D
110' GASSY MUD
190' GAS+OIL CUT MUD
190' GAS+WATER CUT MUDDY OIL

HENRY J #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/HenryJ1dst2

TIME ON: 22:00 10/06/2014
TIME OFF: 03:20 10/07/2014

Company RJM COMPANY Lease & Well No. HENRY J #1
Contractor ROYAL DRILLING RIG 2 Charge to RJM
Elevation 1872 G.L Formation LKC "A-D" Effective Pay _____ Ft. Ticket No. J3303
Date 10/06/2014 Sec. 31 Twp. _____ 15 S Range _____ 11 W County RUSSELL State KANSAS
Test Approved By WYATT URBAN Diamond Representative JOHN RIEDL

Formation Test No. 2 Interval Tested from 3028 ft. to 3120 ft. Total Depth 3120 ft.
Packer Depth 3023 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3028 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3031 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3117 ft. Recorder Number 13498 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4800 P.P.M. Drill Pipe Length 3008 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 92 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 64' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 1/2 MIN. GTS 5 MIN.) NO BB
2nd Open: STRONG (B.O.B IMMEDIATE. GTS THRUOUT) WEAK BB

Recovered 120 ft. of GM (15%GAS 85%MUD)
Recovered 190 ft. of GAS+OIL CUT MUD (25%GAS 15%OIL 60%MUD)
Recovered 190 ft. of GAS+WATER CUT MUDDY OIL (15%GAS 20%WATER 30%MUD 35%OIL)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOTAL FLUID REC:500' IN DRILL</u>	
<u>TOOL SAMPLE GRINDOUT: 10%GAS 20%WATER 25% MUD 45%OIL)</u>	
<u>1ST FLOW GUAGE: 250 MCF/D THRUOUT: 2ND FLOW: 250 MCF/D THRUOUT</u>	Total

Time Set Packer(s) 11:15 P.M ^{A.M.}/_{P.M.} Time Started Off Bottom 1:15 A.M ^{A.M.}/_{P.M.} Maximum Temperature 102

Initial Hydrostatic Pressure..... (A) 1388 P.S.I.
Initial Flow Period..... Minutes 30 (B) 86 P.S.I. to (C) 136 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 859 P.S.I.
Final Flow Period..... Minutes 30 (E) 125 P.S.I. to (F) 180 P.S.I.
Final Closed In Period..... Minutes 30 (G) 856 P.S.I.
Final Hydrostatic Pressure..... (H) 1364 P.S.I.

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Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	RJM COMPANY	Job Number	J3304
Contact	CHRIS HOFFMAN	Representative	JOHN RIEDL
Well Name	HENRY J #1	Well Operator	RJM COMPANY
Unique Well ID		Report Date	2014/10/06
Surface Location	S31/15S/11W	Prepared By	JOHN RIEDL
Field		Qualified By	WYATT URBAN

Test Information

Test Type	DST #3 CONVENTIONAL
Formation	LKC "H-K"
Well Fluid Type	
Test Purpose	

Start Test Date	2014/10/06	Start Test Time	16:30:00
Final Test Date	2014/10/06	Final Test Time	21:45:00

Test Recovery

RECOVERY: 700' GAS IN PIPE
50' GAS+OIL CUT MUD
130' SLIGHTLY MUD CUT GASSY OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/HenryJ1dst3

TIME ON: 16:30 10/06/2014
TIME OFF: 21:45 10/06/2014

Company RJM COMPANY Lease & Well No. HENRY J #1
Contractor ROYAL DRILLING RIG 2 Charge to RJM
Elevation 1872 G.L Formation LKC "H-K" Effective Pay _____ Ft. Ticket No. J3304
Date 10/06/2014 Sec. 31 Twp. 15 S Range 11 W County RUSSELL State KANSAS
Test Approved By WYATT URBAN Diamond Representative JOHN RIEDL

Formation Test No. 3 Interval Tested from 3162 ft. to 3280 ft. Total Depth 3280 ft.
Packer Depth 3157 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3162 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3165 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3277 ft. Recorder Number 13498 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,000 P.P.M. Drill Pipe Length 3142 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 118 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 96" DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 3 MIN.) SURFACE BB
2nd Open: STRONG (B.O.B 1 MIN.) 2" BB

Recovered 700 ft. of GAS IN PIPE
Recovered 50 ft. of G+OCM (25%GAS 10%OIL 75%MUD)
Recovered 130 ft. of SLMCGO (5%GAS 25%MUD 75%OIL)

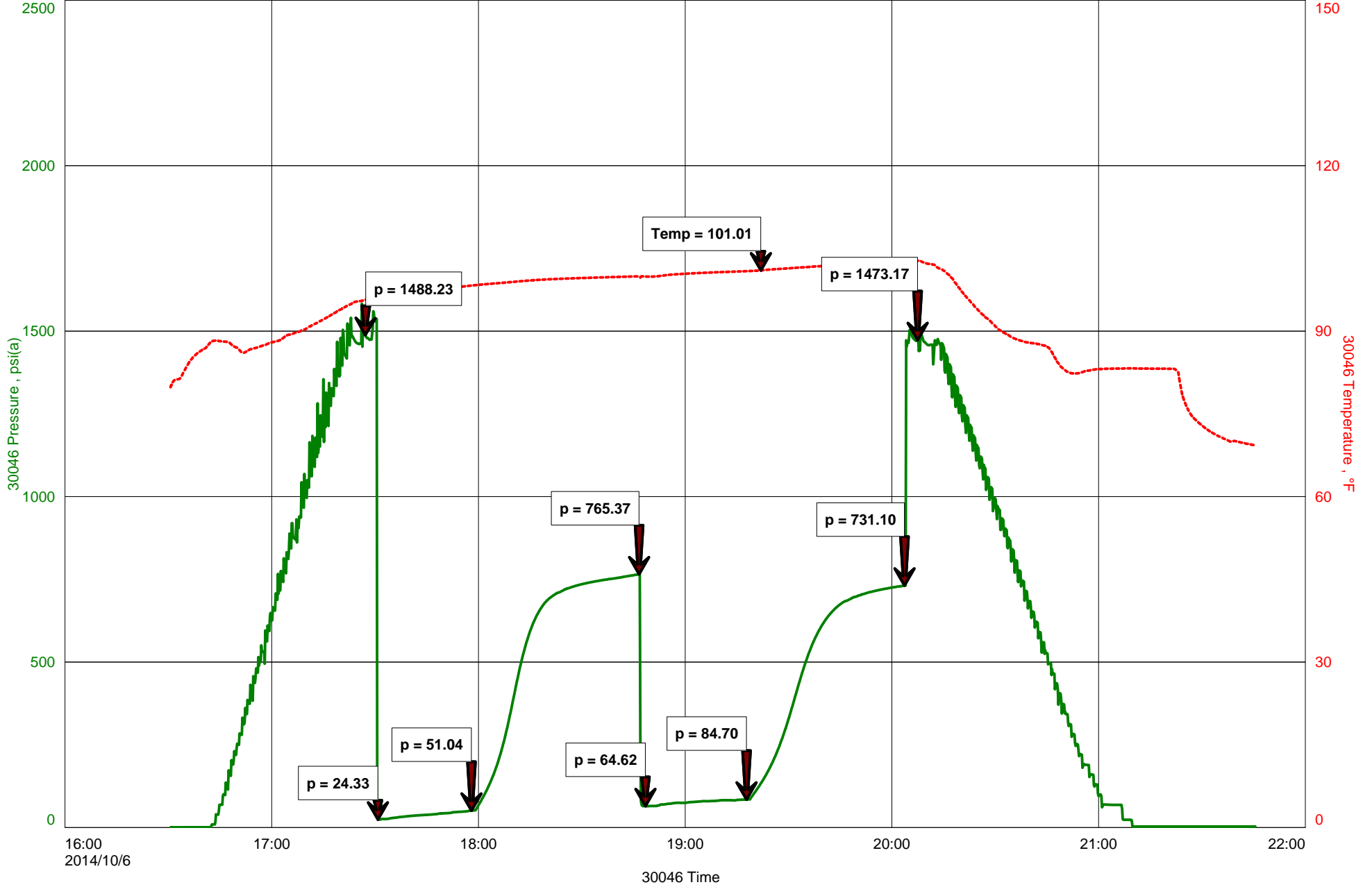
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOTAL FLUID REC:180' IN DRILL</u> <u>TOOL SAMPLE GRINDOUT: 20%GAS 80%OIL)</u>	Total

Time Set Packer(s) 5:30 P.M A.M. P.M. Time Started Off Bottom 8:00 P.M A.M. P.M. Maximum Temperature 101

Initial Hydrostatic Pressure..... (A) 1488 P.S.I.
Initial Flow Period..... Minutes 30 (B) 24 P.S.I. to (C) 51 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 765 P.S.I.
Final Flow Period..... Minutes 30 (E) 65 P.S.I. to (F) 85 P.S.I.
Final Closed In Period..... Minutes 45 (G) 731 P.S.I.
Final Hydrostatic Pressure..... (H) 1473 P.S.I.

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HENTY J #1





Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	RJM COMPANY	Job Number	J13305
Contact	CHRIS HOFFMAN	Representative	JOHN RIEDL
Well Name	HENRY "J" #1	Well Operator	RJM COMPANY
Unique Well ID		Report Date	2014/10/07
Surface Location	S31/15S/11W	Prepared By	JOHN RIEDL
Field		Qualified By	WYATT URBAN

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	ARBUCKLE
Well Fluid Type	
Test Purpose	

Start Test Date	2014/10/07	Start Test Time	07:30:00
Final Test Date	2014/10/07	Final Test Time	14:00:00

Test Recovery

RECOVERY: 120' GAS IN PIPE
710' GASSY OIL
190' SLIGHTLY MUD CUT GASSY OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/HenryJ1dst4

TIME ON: 9:00 10/07/2014
TIME OFF: 14:00 10/07/2014

Company RJM COMPANY Lease & Well No. HENRY J #1
Contractor ROYAL DRILLING RIG 2 Charge to RJM
Elevation 1872 G.L Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. J3305
Date 10/07/2014 Sec. 31 Twp. _____ 15 S Range _____ 11 W County RUSSELL State KANSAS
Test Approved By WYATT URBAN Diamond Representative JOHN RIEDL

Formation Test No. 4 Interval Tested from 3392 ft. to 3343 ft. Total Depth 3343 ft.
Packer Depth 3387 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3392 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3395 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3340 ft. Recorder Number 13498 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 7,000 P.P.M. Drill Pipe Length 3372 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 51 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG (B.O.B 2 1/2 MIN.) NO BB
2nd Open: STRONG (B.O.B 5 MIN.) NO BB

Recovered 120 ft. of GIP
Recovered 710 ft. of GO (15%GAS 85%OIL)
Recovered 190 ft. of SLMCGO (10%MUD 20%GAS 70%OIL)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOTAL FLUID REC:900' IN DRILL</u> <u>TOOL SAMPLE GRINDOUT: 10%GAS 90%OIL)</u>	Total

Time Set Packer(s) 9:00 A.M A.M. P.M. Time Started Off Bottom 11:45 A.M A.M. P.M. Maximum Temperature 112

Initial Hydrostatic Pressure..... (A) 1533 P.S.I.
Initial Flow Period..... Minutes 30 (B) 37 P.S.I. to (C) 180 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 886 P.S.I.
Final Flow Period..... Minutes 45 (E) 193 P.S.I. to (F) 333 P.S.I.
Final Closed In Period..... Minutes 45 (G) 820 P.S.I.
Final Hydrostatic Pressure..... (H) 1519 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

HENRY "J" #1

