



1231168

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Golden Bear 1-33
Doc ID	1231168

Tops

Name	Top	Datum
anhydrite	2590	470
Base Anhydrite	2613	447
Heebner	4030	-970
Lansing	4076	-1016
Muncie Creek	4214	-1154
Stark	4293	-1233
Marmaton	4394	-1334
Cherokee	4577	-1517
Johnson	4624	-1564
Morrow Shale	4652	-1592
Miss		





**CONSOLIDATED**  
Oil Well Services, LLC

271905

TRUCK NUMBER 47747  
LOCATION Oakley KS  
FOREMAN Miles Shaw

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

US

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-19-14	56601	Golden Bear # 1-33	33	11S	32W	Logan
CUSTOMER New Gulf Operating			Oakhay 536 2nd rd 1W 44N W.S.			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			4527118	Judith		
STATE			460	Loyle		
ZIP CODE			5257129	Rob S		

JOB TYPE 2 Stage HOLE SIZE 7 7/8" HOLE DEPTH 4880' CASING SIZE & WEIGHT 5 7/8" 17#  
 CASING DEPTH 4798' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER 0 1/2 @ 264'  
 SLURRY WEIGHT 14.2/12.4 SLURRY VOL 1.42/1.9 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 4208'  
 DISPLACEMENT 11345/62 DISPLACEMENT PS 800/500 MIX PSI 1300/1300 RATE \_\_\_\_\_

REMARKS: Safety meeting on upon Val drilling Rpt #4. Float equipment Centralizers on Joints # 1, 2, 3, 6, 9, 12, 18, 51, 53 Basket on Joint # 52 Distributor Top of Joint # 52 @ 2624' Run 115 svts Circulate casing 1 1/2 hrs pump mud flush mix 200 SWS OWC / 5 # Hols seal Clear pump & lines release plug displace 50 bbls water 63 bbls mud lift pressure 800 psi land pressure 1300 - Open tool with vent circulate casing 3 hrs. Mix 400 SWS 60/40 per 8 gal 1/4" Hols seal Shut down Clear pump & lines release plug displaced 62 bbls water with 500 psi/lft plug land & hold @ 1300 psi plug held Cement did circulate 20 bbls to the pit

305 SWS RH 20 SWS MH Thanks Miles & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	10	MILEAGE	5.25	52.50
5407	29.75 Ton	Ton mileage delivery	16.75	503.12
1107	112 #	Fluor seal	2.97	332.64
1110A	1000 #	Hols seal	1.56	1560.00
1118B	3096 #	Bentonite gel	.27	835.92
1126	200 SWS	OWC Cement	23.70	4740.00
1131	450 SWS	60/40 per	15.86	7137.00
11446	500 gal	Mud flush	1.00	500.00
4104	1	5 1/2" Basket	290.00	290.00
4130	1	5 1/2" Centralizers	60.00	60.00
4159	1	5 1/2" Float Shoe	433.75	433.75
4283	1	5 1/2" Distributor / Latchdown	4042.50	4042.50
			Subtotal	23212.44
			less 108 d.s count	2321.24
			Subtotal	20891.19
			SALES TAX	1341.33
			ESTIMATED TOTAL	22232.52

Ravin 3737

AUTHORIZATION

*Jim Henkle* TITLE \_\_\_\_\_

DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

271630

TICKET NUMBER 47715  
LOCATION Oakley Ks.  
FOREMAN Danen

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/8/14	5661	Golden Bear 1-33	33	11	32	Logan
CUSTOMER New Gulf		Oakley 55 1W KYN Winto	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			731	Cory		
CITY			693	Cody		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 272 CASING SIZE & WEIGHT 8 5/8 24"  
 CASING DEPTH 272.25 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 148 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 16.06 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on Val #4 Run Casing Break Circulation  
With Rig Pump Hook up to Pump Truck mix 200 SKs Com 3% CC 2% Gel  
Washup Pump + Lines Displace with 16.06 bbl water Shut in

Cement Did Circulate

Approx 5 bbls To Pit

Thanks Danen + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00
5406	20	MILEAGE	\$ 5.25	\$ 105.00
5407	9.4	ton mileage delivery (min)	\$ 45.00	\$ 423.00
1104 S	200 SKs	Class "A" Cement	\$ 18.55	\$ 3710.00
1102	564 *	Calcium Chloride	\$ .94	\$ 530.16
1118 B	376 **	Bentonite	\$ .27	\$ 101.52
			SubTotal	\$ 6026.68
			Less 10%	\$ 602.66
			SubTotal	\$ 5424.02
			SALES TAX	298.94
			ESTIMATED TOTAL	5722.96

Revin 3737

AUTHORIZATION Angel R Ramirez TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Golden Bear #1-33
<b>Formation</b>	Johnson 4604'-4645'
<b>Surface Location</b>	Sec 33-11s-32w-Logan Co.-KS
<b>Company Name</b>	New Gulf Operating
<b>Test Type</b>	Bottom-Hole W/J&J
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/10/17
<b>Start Test Time</b>	09:15:00
<b>Final Test Date</b>	2014/10/17
<b>Final Test Time</b>	18:29:00
<b>Job Number</b>	F332
<b>Contact</b>	Jim Henkle
<b>Site Contact</b>	John Goldsmith

## TEST RESULTS

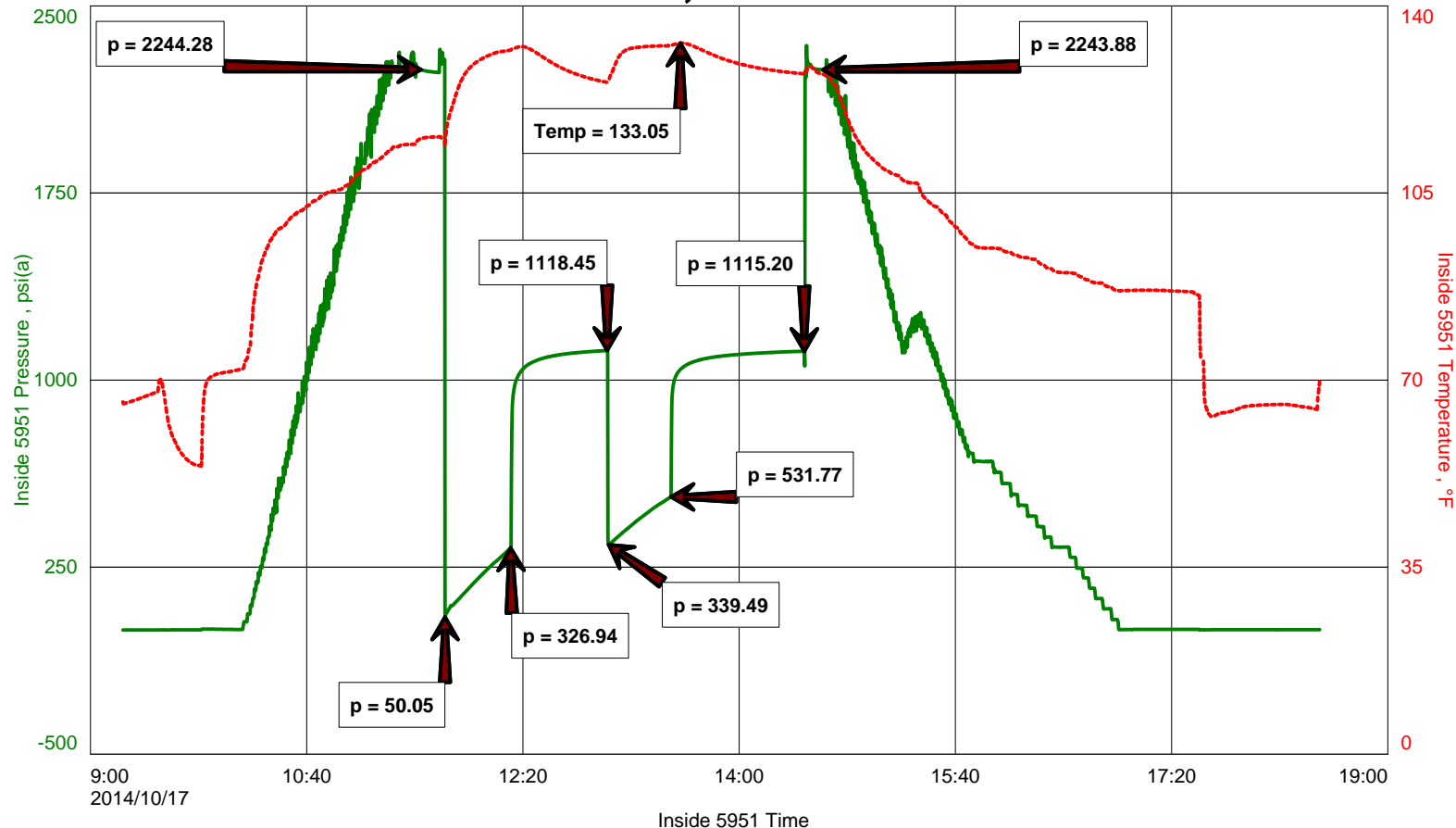
Initial flow, strong blow @ BOB in 2.5 minutes, blowback @ BOB in 19 minutes.  
 Final flow, strong blow @ BOB in 3.25 minutes, blowback @ BOB in 30 minutes.

**TOTAL RECOVERED FLUID: 1405'**      **GAS IN PIPE: 1475'**  
 1340' CLEAN OIL      100% oil  
 65' HMCO      75% oil, 25% mud  
 ----- GRAVITY: 29 @ 60 F

New Gulf Operating  
 Start Test Date: 2014/10/17  
 Final Test Date: 2014/10/17

Golden Bear #1-33  
 Formation: Johnson 4604'-4645'  
 Job Number: F332

## DST #2, JOHNSON





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: GOBEIDST2

ON LOCATION:	<u>08:15</u>
START RECORDERS:	<u>09:15</u>
STOP RECORDERS:	<u>18:29</u>

Company NEW GULF OPERATING Lease & Well No. GOLDEN BEAR #1-33  
 Contractor VAL ENERGY RIG #4 Charge to NEW GULF OPERATING  
 Elevation 3060' KB Formation JOHNSON Effective Pay \_\_\_\_\_ Ft. Ticket No. F332  
 Date 10-17-14 Sec. 33 Twp. 11s Range 32W County LOGAN State KANSAS  
 Test Approved By JOHN GOLDSMITH Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 4604 ft to 4645 ft. Total Depth 4645 ft.  
 Packer Depth 4599 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4604 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4582 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4605 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 59 (2" 4CM) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.4 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 3000 P.P.M. Drill Pipe Length 4537 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 41 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW @ 805 IN 2 1/2 MINUTES. BB @ 805 IN 19 MINUTES  
 2nd Open: STRONG BLOW @ 808 IN 3 1/4 MINUTES. BB @ 808 IN 30 MINUTES

Recovered 1340 ft. of CLEAN OIL 100" OIL  
 Recovered 65 ft. of HMCO 75" OIL, 25" MUD  
 Recovered \_\_\_\_\_ ft. of TOTAL RECOVERED FLUID: 1405'  
 Recovered \_\_\_\_\_ ft. of GAS IN PIPE: 1475'

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	<u>JARS, SAFETY JOINT</u>
	<u>15 MRT (CARLEY KS)</u>
	Total

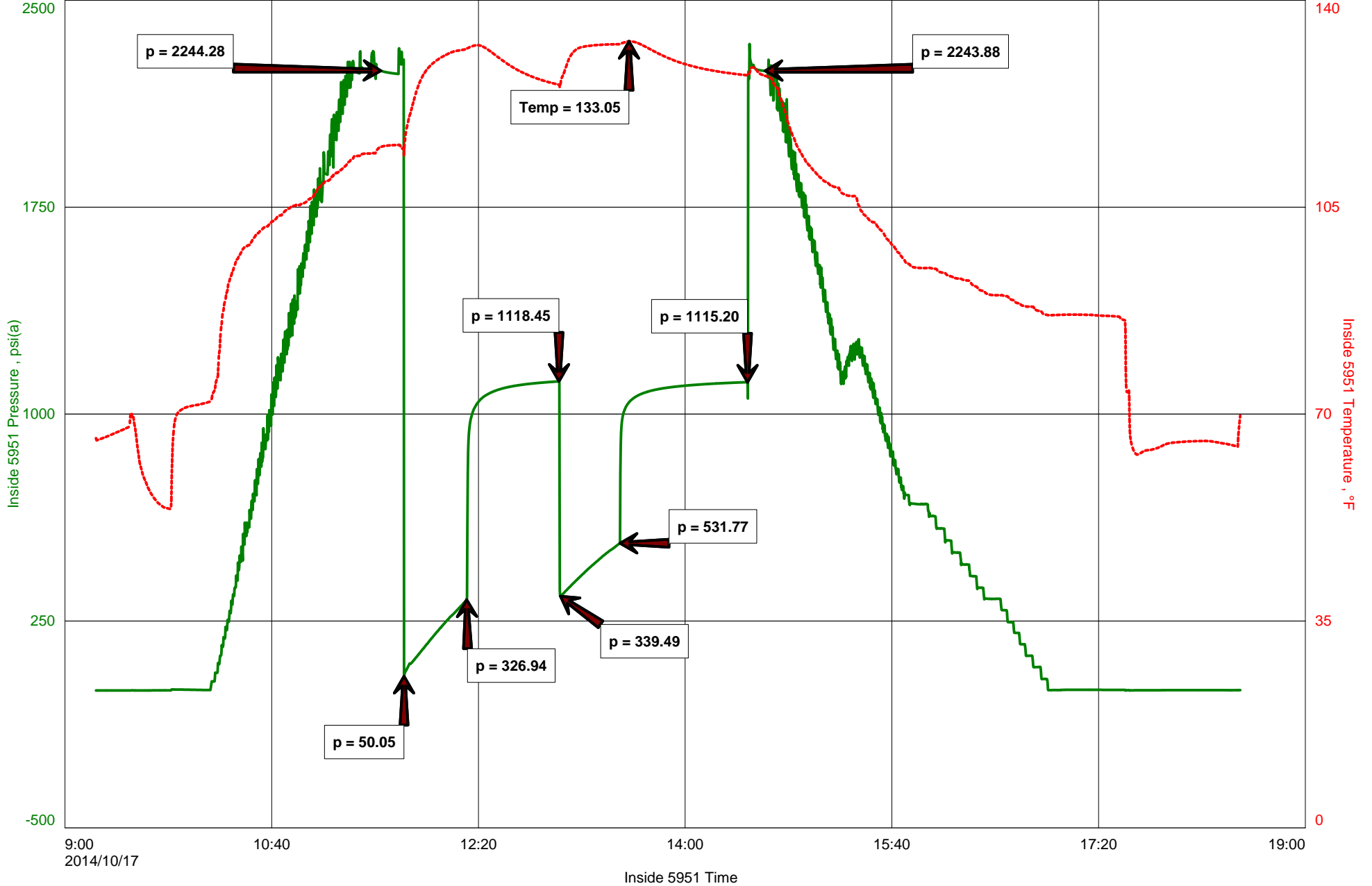
Time Set Packer(s) 11:45 AM Time Started Off Bottom 2:30 PM Maximum Temperature 133 F

Initial Hydrostatic Pressure..... (A) 2244 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 50 P.S.I. to (C) 327 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1119 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 339 P.S.I. to (F) 532 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1115 P.S.I. Thanks  
 Final Hydrostatic Pressure..... (H) 2244 P.S.I. Jacob J. Fahrenbruch

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.



# DST #2, JOHNSON





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Golden Bear #1-33
<b>Formation</b>	L/KC "E&F" 4144'-4178'
<b>Surface Location</b>	Sec 33-11s-32w-Logan Co.-KS
<b>Company Name</b>	New Gulf Operating
<b>Test Type</b>	Bottom-Hole W/J&J
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/10/14
<b>Start Test Time</b>	23:30:00
<b>Final Test Date</b>	2014/10/15
<b>Final Test Time</b>	06:10:00
<b>Job Number</b>	F331
<b>Contact</b>	Jim Henkle
<b>Site Contact</b>	John Goldsmith

## TEST RESULTS

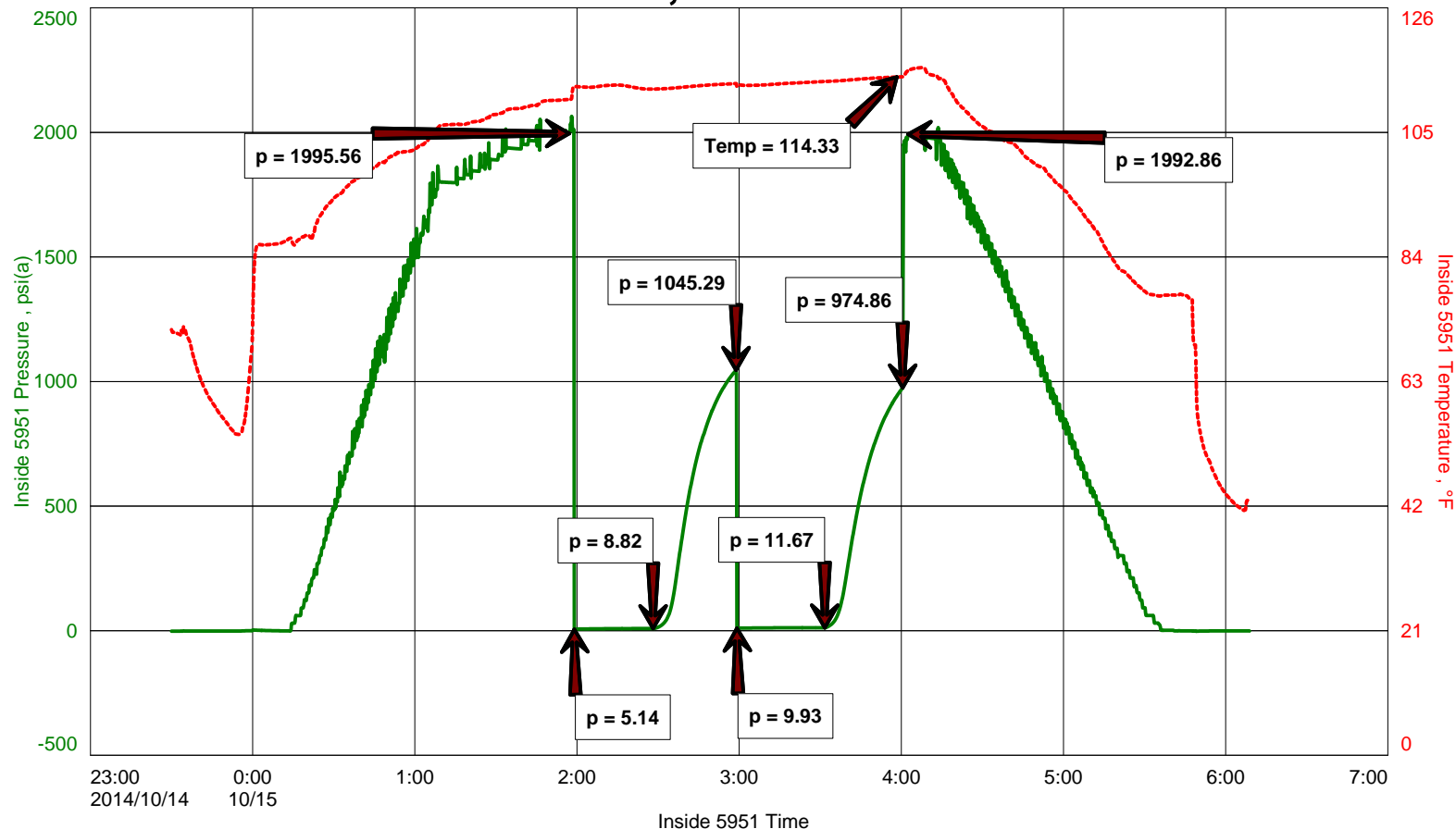
Initial flow, surface blow, increased to .5". Ambient Temp.: 43 F  
Final flow, no blow.

Recovered 5' of drilling mud.  
Tool Sample: Oil Specked Mud, 1% o, 99% m.

New Gulf Operating  
Start Test Date: 2014/10/14  
Final Test Date: 2014/10/15

Golden Bear #1-33  
Formation: L/KC "E&F" 4144'-4178'  
Job Number: F331

## DST #1, L/KC "E&F"





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

ON LOCATION:	<u>21:50 10-14</u>
START RECORDERS:	<u>23:30 10-14</u>
STOP RECORDERS:	<u>06:10 10-15</u>

Company NEW GULF OPERATING CO Lease & Well No. GOLDEN BEAR #1-33  
 Contractor VAL ENERGY RIG # 4 Charge to NEW GULF OPERATING CO  
 Elevation 3060'KB Formation L/KC "E4F" Effective Pay \_\_\_\_\_ Ft. Ticket No. F331  
 Date 10-15-14 Sec. 33 Twp. 11S Range 32W County LOGAN State KANSAS  
 Test Approved By JOHN GOLDSMITH Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 4144 ft to 4178 ft. Total Depth 4178 ft.  
 Packer Depth 4139 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4144 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4122 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4145 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 (1"100) Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 3000 P.P.M. Drill Pipe Length 4081 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? No Reversed Out No Anchor Length 34 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SURFACE FLOW, INC TO 1/2" AMBIENT TEMP: 43°F  
 2nd Open: NO BLOW.

Recovered 5 ft. of DRLG MUD 100% MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOP2 SAMPLE: OIL SPECKED MUD 1%O, 99%M</u>	<u>JARS &amp; SAFETY JOINT</u>
	<u>414 MRT (PARAT KS)</u>
	Total

Time Set Packer(s) 2:00 AM Time Started Off Bottom 4:00 AM Maximum Temperature 114°F

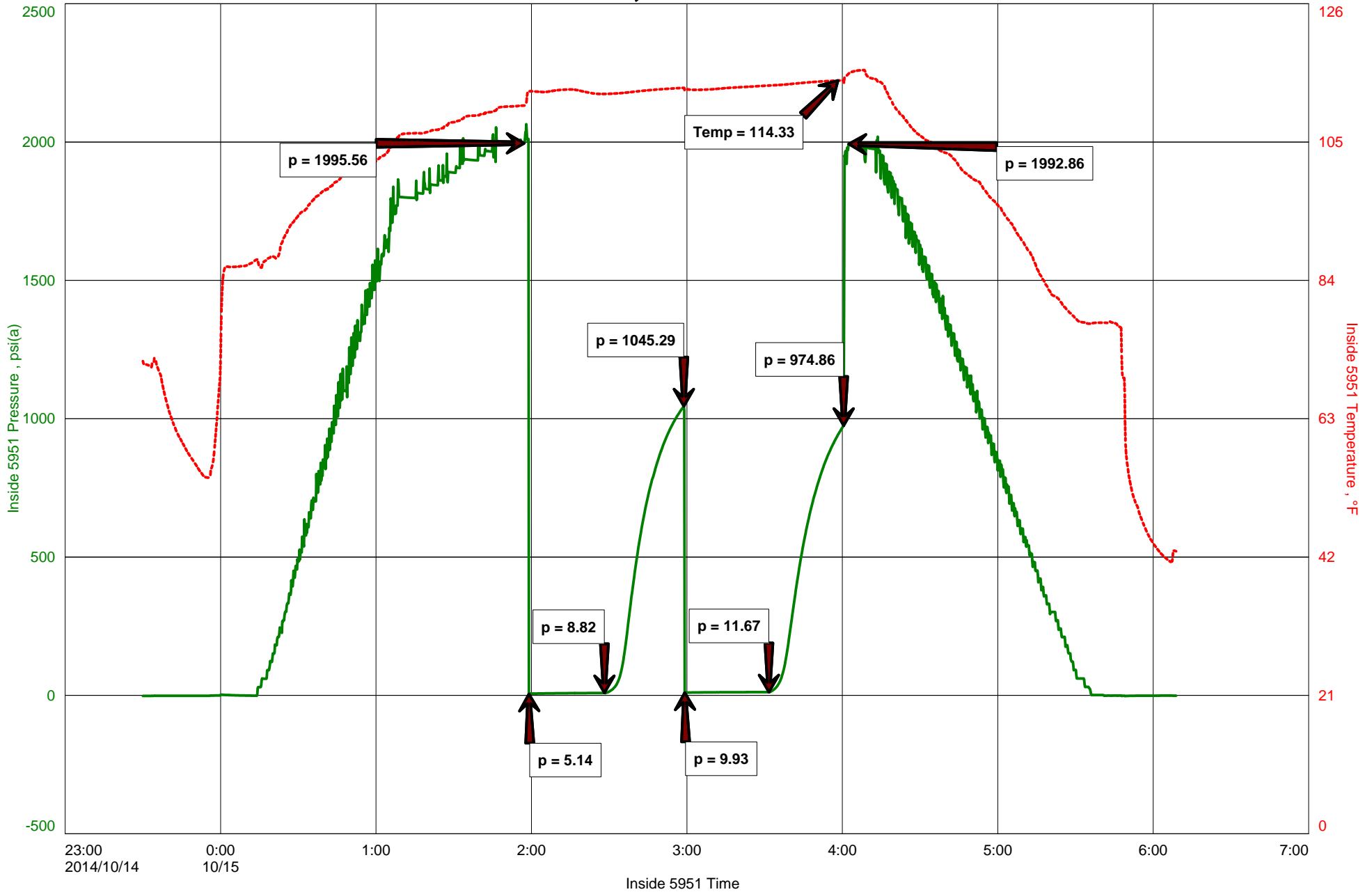
Initial Hydrostatic Pressure..... (A) 1996 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 5 P.S.I. to (C) 9 P.S.I.  
 Initial Closed In Period..... Minutes 30 (D) 1045 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 10 P.S.I. to (F) 12 P.S.I.  
 Final Closed In Period..... Minutes 30 (G) 975 P.S.I. Thank you!  
 Final Hydrostatic Pressure..... (H) 1993 P.S.I. Jake Fahrenbruch

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.

New Gulf Operating  
Start Test Date: 2014/10/14  
Final Test Date: 2014/10/15

Golden Bear #1-33  
Formation: L/KC "E&F" 4144'-4178'  
Job Number: F331

# DST #1, L/KC "E&F"





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ 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.